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U-602519
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Docket No. 50-461

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Subject: Illinois Power's (IP's) Submittal of the Individual Plant Examination (IPE) Answers to the NRC's Request for Additional Information for Generic Letter 88-20, Supplement 1, "Initiation of the IPE for Severe Accident Vulnerabilities - 10 CFR §50.54(f)"

Dear Sir:

By letter U-602040 dated September 23, 1992, IP submitted the CPS IPE. The NRC has requested additional information to complete the IPE review. This request was made in NRC letter dated July 21, 1995. IP personnel have reviewed the NRC request and provided the answers to the thirty-four questions. The IP answers to the thirty-four c NRC questions are provided in Attachment 2 of this letter.

Attachment 1 provides an affidavit supporting the facts set forth in this letter.

Sincerely yours,

J. G. Cook
Vice President

JSP/csm

Attachments

cc: NRC Clinton Licensing Project Manager
NRC Resident Office, V-690
Regional Administrator, Region III, USNRC
Illinois Department of Nuclear Safety

A011
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Attachment 1
to U-602519

J. G. Cook, being first duly sworn, deposes and says: That he is Vice President of the Nuclear Program at Illinois Power; that this letter supplying information for Generic Letter 88-20 has been prepared under his supervision and direction; that he knows the contents thereof; and that to the best of his knowledge and belief said letter and the facts contained therein are true and correct.

Date: This 22 day of November 1995.

Signed: _____
J. G. Cook

STATE OF ILLINOIS) SS.
DeWitt COUNTY)

"OFFICIAL SEAL"
William S. Iliff
Notary Public, State of Illinois
My Commission Expires 11/24/97

Subscribed and sworn to before me this 22nd day of November 1995.

_____
(Notary Public)

Attachment 2
to U-602519

IP Answers to NRC IPE Questions

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION ON THE INDIVIDUAL PLANT EXAMINATION SUBMITTAL FOR CLINTON POWER STATION, UNIT 1

This attachment provides the response to the thirty-four questions asked by the reviewers of the Clinton Power Station Individual Plant Examination.

Each of the questions has been repeated with the responses provided after each question for ease in review. The questions have been answered based on the state of the CPS PRA at the time of the IPE submittal (September, 1992). The CPS PRA has been updated in several ways for internal use, and in cases for which the answers would be significantly affected by the updates, that information is noted with the responses to the questions.

1. **The IPE used plant-specific data for component/train unavailability due to test and maintenance. However, component unreliability due to hardware failures were entirely based on generic data, with the exception of diesel generator start failures. The decision to use generic data for component failures was partly based on the limited period of operation (approximately six years) at the time the analysis was performed. The submittal states that this short time interval is unlikely to provide sufficient data to support the probabilistic risk analysis (PRA). The submittal also states that component failure data from the first years of plant operation are usually not predictive of future reliability. However, vulnerabilities may have been overlooked due to the omission of plant-specific component failure data.**

   a) **Explain how it was assured that no vulnerabilities or significant core damage frequency (CDF) contributions were missed as a result of the omission of plant-specific component failure data.**

Plant specific data was not ignored even though the decision was made to use generic data for component hardware failure rates. Plant specific data was examined to determine if any unusual failure rates were occurring. Systems out of service times were collected and examined for the safety-related systems and their support systems. Component failures would require system out of service time to fix. Even at the time of the IPE the various safety system out-of-service times compared favorably with the other domestic BWR-6's. This would tend to indicate that there are no vulnerabilities from excessive component failure rates.

To date, there have been no surveillance test failures equivalent to pump failing to start on any of the safety-related injection systems based on a review of equipment histories. Since these pumps are tested at least quarterly, this corresponds to no failures in at least 157 attempts. This supports a failure-to-start on demand rate of < 6E-3, corresponding to 3E-3 from the generic data as used in the IPE. There have been several water-leg pump failures to run over the life of the plant. These are continuously operating pumps. Other than the High Pressure Core Spray water leg pump, there have been two failures in about 200 thousand operating hours. One of the failures was a post-maintenance test failure and was not counted. This leads to a pump failure-to-run rate of approximately 5E-6 per hour, as compared to the generic 5E-5 value. A failure to run trend was observed on the HPCS water leg pump early during plant life. This component was observed

to trip on electrical overload many times because of actual pump overload from higher than design flow rate in the system. This situation was a result of a design deficiency in the main HPCS pump discharge check valve. This valve has been modified to resolve this issue and this pump failure has not reoccurred.

Of a population of 170 safety-related and risk significant motor-operated valves, there have been 37 cases that have been recorded as valve failures. Assuming that each valve is stroked only once per quarter (minimum surveillance requirements), this would correspond to a failure-to-stroke rate of 7E-3 per demand. Considering that some of the recorded failures included non-risk significant failures, such as seat leakage, and that many of the valves are stroked much more often than quarterly, and that the data includes pre-Generic Letter 89-10 and pre-IE Bulletin 85-03 data, the generic 3E-3 failures per demand is considered reasonable.

Another way to confirm that there are no vulnerabilities from plant component failure rates is that a portion of such failures would lead to plant shut-downs. The average forced outage rate over the commercial life of the plant has been about 3.5 outages per operating year, including the first years of the plant life, as compared to the generic frequency of 7 events per year. Only two events have been repeated as causes of these forced outages -- main power transformer sudden pressure relays and recirculation pump seal failures. Neither of these events are risk significant other than as a shutdown initiator.

b) Discuss any insights or knowledge related to component reliability that have been obtained from plant experience but not reported in the submittal. Of particular interest is the degree to which plant specific component failure data deviate from the generic data used in the IPE.

Refer to answer to 1.a.

c) Describe any future plans to update the IPE analysis with plant specific component failure data. If such an IPE update is planned, please provide the status and scheduled completion date.

Extensive use has been made of the CPS IPE for various applications. Several updates of the IPE have already been performed. As we continue to employ the PRA for various applications, and as we collect data associated with the maintenance rule, we will find from time to time that we now have sufficient data on a class of component that using plant data is statistically valid. When that happens, we will include such data in future updates. There is no scheduled completion date because data will be updated from time to time throughout the useful life of the PRA (PRA updates are available for review on site).

2. **The submittal does not state the date to which the plant operation and procedures are represented by the IPE analysis (freeze date). In addition, the submittal does not indicate whether exceptions to the freeze date configuration were included in the analysis. The submittal states the period of September 1, 1986 - March 7, 1992, as the interval of plant operating history available to evaluate the performance of the site diesel generators. However, there is no other indication that the March 7, 1992 date represents the actual analysis freeze date.**

   a) **Identify the freeze date of the analysis.**

As each model was built during 1989 through 1991, the revisions of drawings and procedures were recorded. At the end of 1991, a review was conducted of drawing and procedure changes and maintenance history since each model was produced. This produced an effective freeze date for the submitted examination of December 31, 1991.

   b) **Describe any exceptions to the freeze date configuration.**

There were no exceptions taken to the freeze date established as December 31, 1991, except for some station black-out procedure changes as noted in the answer to question 6.

   c) **If available, identify the impact of any freeze date exceptions on the CDF, both individually and collectively.**

The models were initially established with the station blackout procedure changes incorporated, so their effect on CDF was not quantified.

3. **Failure of an AC bus, total loss of DC, and loss of heating, ventilation and air conditioning HVAC) have been omitted from the set of initiating events modeled in the IPE. However, the submittal does not provide the basis used to exclude these failures as initiating events. Also, the IPE does not appear to have modeled control room HVAC during the post-accident mitigation period.**

   a) **Provide the basis for omitting AC bus failures, total loss of DC, and loss of HVAC as potential initiating events.**

Loss of a single safety-related AC bus could result in a transient with isolation because of closure of the main steam isolation valves. However, the expected frequency is about three orders of magnitude less (8.7E-4 vs. 1.7). Each fault tree is linked to its essential power supply gates in the AC and DC fault trees, which include electrical basic events, such as breaker failures and loss of off-site power during the mission time. Therefore, a separate initiating event would provide no additional information.

Loss of a non-safety AC bus could lead to loss of main condenser and feedwater, among other things, essentially the same conditions as a loss of service water. The expected frequency of a loss of AC bus (Based on NUREG/CR-4550, Volume 1, Revision 1, Table 8.2-8) is about an order of magnitude less than the evaluated initiating frequency for loss of all service water (from plant-specific modeling discussed in section 3.1.1.5.5. of the IPE submittal), so no new

information would be gained by adding an AC bus failure initiating event. In addition, the loss of a non-safety DC bus would be expected on about the same frequency and also produces similar plant conditions

Total loss of DC is not a credible event with six independent battery-charger subsystems. Loss of a non-safety DC bus is modeled, as it does produce a SCRAM. Loss of a safety-related DC bus would not by itself require a shutdown. The expected time available to recover the bus to avoid the need to shutdown would be more than 2 hours. The probability of the combination of loss of a bus and not recovering it before shutdown would be required would be much less than the combination of transient without isolation but with one division failed. Each fault tree is linked to its essential power supply gates in the AC and DC fault trees, which include electrical basic events, such as breaker failures. Therefore, a separate initiating event would provide no additional information.

Loss of control room HVAC would eventually require plant shutdown before the control room approached becoming uninhabitable (in accordance with technical specifications). The probability of loss of control room HVAC, which is a continuously running, redundant system is very small relative to the other transient initiating frequencies, and is therefore not modeled as a separate initiator, but is included in the transient with isolation event. In addition, procedures and equipment are in place as a result of station black-out analysis to provide alternate cooling. Loss of other HVAC systems would also be encompassed by the transient initiating events.

b) Provide the basis for omitting control room HVAC as a required support system during the post-accident mitigating system period.

Control room HVAC is a continuously running, redundant system, therefore, the probability of its failure contributing to failure of a front-line system is considerably less than system failure from other causes. The large volume of the CPS control room would lead to a relatively slow heat-up rate that would allow all the immediate automatic and operator-performed accident mitigating actions to be successfully completed before any impact from room heatup. As the accident progresses to the point that control room habitability would be impacted, decay heat has also been reduced, providing for more response time to operate any necessary systems with the available two-divisional redundant remote shutdown capabilities. Analysis performed in response to the station blackout rule determined that the control room would not exceed 120°F within four hours. As stated above alternate cooling measures are available and proceduralized.

4. Section 6 of the submittal discusses ongoing evaluations and improvements that could be implemented to reduce the plant CDF, though no further information was provided with regard to plans for their implementation. Please clarify by providing:

a) the specific improvements that have been implemented, are being planned, or are under evaluation;

Section 6 of the IPE submittal, which deals with Plant Improvements and Unique Safety Features, mentioned several instances in which potential plant improvements would be evaluated. They are discussed below with their implementation status.

Section 6.3.1 Loss of Offsite Power

This section mentioned that changes were to be evaluated for the training program to emphasize the care that should be given to activities associated with the off-site power system.

As a result training was provided to the licensed operator requalification class on important IPE results. The importance of maintaining off-site power available was emphasized in this class.

Section 6.3.2 High Pressure Core Spray Failures

This section mentioned that a proposed procedure change to the HPCS surveillance procedure would be evaluated to periodically draw HPCS suction from the suppression pool during surveillance runs so that an unobstructed flow path from the suppression pool could be demonstrated.

As a result the HPCS pump operability surveillance CPS 9051.01 currently directs that the HPCS system be run once every four years with a suction path from the suppression pool. This reduced exposure time for valve failure from 40 years to 4 years, so this event was no longer dominant.

Section 6.3.4 Depressurization Failures

This section noted the importance of the operator action to manually initiate the Automatic Depressurization System (ADS). The training department was notified of the importance of this operator action so they could continue to emphasize this operator action in their training.

The importance of manual ADS was discussed in training provided to the operator requalification class on important IPE results. Simulator training for the operators continues to provide frequent practice on this manual action.

Section 6.3.6 Failures of the Fire Protection System as a Core Cooling System

In this section a design change to provide a bypass line around check valve 1FP036 was discussed. This would make fire protection much more readily available as a source of reactor vessel makeup under emergency conditions. This section stated that CPS will consider this hardware change as a possible future improvement in the plant design. A study which evaluates the core damage risk reduction which could be produced by the modification has been completed using the current PRA model. The proposed modification is expected to produce a reduction in the Core Damage Frequency (for non-flooding internal events) by about 9% from 5.5E-6 to 5.0E-6 events per year.

Illinois Power has not yet decided whether to make this change. Because CPS has a relatively low CDF, this decision will be made based on cost benefit analysis in which the value of the modification as an insurance against loss will be weighed against the expected cost of the modification.

6.3.7 Power Recovery Failures Under LOOP Conditions

This section noted the importance of being able to recover AC power supplies under LOOP conditions. This insight was referred to the Nuclear Training department for them to evaluate whether any changes would be beneficial in the training programs for diesel generator and auxiliary power system operation.

6.3.8 Shutdown Service Water Starting Failures

In this section it was noted that a proposed procedure change had been provided to plant staff to provide an additional procedural confirmation that SX pumps have started when required for diesel generator operation.

IP decided not to make the proposed procedural revision because of the small perceived benefit from it.

6.4.1 Loss of Off-site Power

This section discussed the significance of loss of offsite power events to radioactive release from the containment. This was provided to Nuclear Training Department as a potential training insight. As mentioned under the discussion for section 6.3.1 this information was provided in a licensed operator requalification training class.

6.4.2 Recovery of AC Power

The importance of AC recovery, like preventing loss of AC, was emphasized to the Nuclear training department. This information was provided in a licensed operator requalification training class.

6.4.3 Failure to Isolate the Containment Under Station Blackout Conditions

The need to manually isolate valve 1FC008 under Station Blackout conditions to prevent containment releases has been communicated to the Nuclear Training Department for evaluation in the operator training program. This information was provided in a licensed operator requalification training class.

6.4.5 SCRAM Hardware Failures

The significance of SCRAM system hardware failures to the containment release frequency has been communicated to the Nuclear Training Department. This information was provided in a licensed operator requalification training class.

b) the status of each improvement, i.e., whether the improvement has actually been implemented already, is planned (with scheduled implementation date), or is under evaluation;

See the response to part a. With the exception of deciding whether to install the proposed modification to the fire protection system Illinois Power considers all other items complete.

c) the improvements that were credited (if any) in the reported CDF;

No credit was taken for any of these improvements in the CDF reported in the IPE Submittal.

d) if available, the reduction to the CDF or the conditional containment failure probability that would be realized from each plant improvement if the improvement was to be credited in the reported CDF (or containment failure probability), or the increase in the CDF or the conditional containment failure probability if the credited improvement was to be removed from the reported CDF (or containment failure probability);

Only two of the items listed as potential improvements have a readily quantifiable effect on the plant CDF. They are the procedure change to draw suction for HPCS from the suppression pool periodically to confirm the existence of an unobstructed flow path and the proposed change to the fire protection system to make it more readily available for reactor vessel inventory makeup.

Section 6.3.6 of the IPE report discussed the potential modification of the Fire Protection system to install a bypass line around check valve 1FP036. This section estimated that an approximately 13% reduction in core damage frequency would occur with the installation of this modification. A more recent analysis estimated the reduction in CDF from this modification to be about 9% using the current plant PRA model. Much of this difference is attributable to the more recent study taking no credit for the Fire Protection system for sequences in which short term failure of other makeup systems occur.

Section 6.3.2 of the IPE submittal estimated the expected reduction in core damage risk that would be obtained by taking the HPCS suction from the suppression pool once every four years during surveillance runs to be 12.8%. This estimate was based upon the core damage cutsets used in developing the IPE submittal.

e) the basis for each evaluation or improvement, i.e., whether it addressed a vulnerability, was otherwise identified from the IPE review, or was developed as part of other NRC rulemaking, such as, the Station Blackout Rule, etc.

All the items proposed for further evaluation in the IPE submittal were the result of a review of the basic events having the highest Fussell-Vesely importance measure for the core damage and containment release cutsets in the IPE submittal. But see also the answer to question 6.

5. The interfacing-systems loss-of-control [sic] accident (ISLOCA) analysis does not appear to address the potential for losing mitigating system components due to adverse environmental conditions created by an ISLOCA. Also, it is not clear how a long term source of water was made available for the ISLOCA sequences that credit use of low pressure injection systems drawing water from the suppression pool, given that no credit appears to have been taken for leak isolation.

a) Explain how it was determined that core cooling could be continued during the post-accident mission time given possible adverse environmental effects of coolant discharged outside containment on mitigating system components.

No credit was taken for the system in which the ISLOCA occurred when evaluating the core damage probability due to ISLOCAs. Each of the ECCS systems is located in its own flood proof room which prevents flood waters from traveling from the area where the break occurred to other ECCS rooms. Because the ECCS pump rooms are not vapor tight steam can be carried from one area to another. To account for this the environmental qualification envelope for equipment contained in ECCS rooms considers the occurrence of a High Energy Line Break (HELB) in an adjacent cubicle (See CPS USAR Table 3.11-8). This equipment qualification envelope demonstrates that ECCS systems are capable of functioning after being exposed to high temperature and humidity conditions.

b) Describe how a long term source of water was made available for sequences that credit use of low pressure systems drawing water from the suppression pool.

The ISLOCA frequency used in the IPE submittal was 5E-6 events per year. This number was determined by evaluating each potential ISLOCA leakage path at CPS for its probability of occurrence taking into account the failure probability of the associated barriers. Two ISLOCA leakage paths accounted for the large majority of the ISLOCA frequency; the RHR shutdown cooling mode suction line and an ISLOCA leakage path through the feedwater system. A 1993 study examined the likelihood of depleting the Suppression Pool volume through these two predominant ISLOCA leakage paths. Inventory depleting ISLOCAs are a smaller subset of all ISLOCAs, because these are defined as having a large enough flow path to cause failure of emergency core cooling systems during the mission time of the IPE (24 hours) due to suppression pool inventory depletion. The mission time provides ample time to come up with compensatory measures for suppression pool inventory replenishment.

The study estimated the frequency of an inventory depleting ISLOCA event through the RHR shutdown cooling mode line to be 3.3E-8 events/yr. For the feedwater system the probability of an inventory depleting ISLOCA event was estimated to be 2.3E-8 events per year. As a result of this study it is concluded that the frequency of inventory depleting ISLOCA events is sufficiently low that the replenishment of the suppression pool did not need to be addressed as part of the ISLOCA event trees for the CPS IPE.

6. It is not clear in the submittal if plant changes due to the Station Blackout rule were credited in the analysis.

a) Identify whether plant changes (e.g., procedures for load shedding, alternate AC power) made in response to the blackout rule were credited in the IPE and what are the specific plant changes that were credited.

At the time that the plant data was frozen for the IPE submittal, plant changes due to the Station Blackout rule were still being developed and implemented. Several procedure changes had been identified to comply with the rule, and a portable fan for control room cooling was added to the supporting equipment.

DC Load shedding along with operation of Reactor Core Isolation Cooling (RCIC) and High Pressure Coolant Spray (HPCS) during a Station Blackout procedures were prepared prior to the freeze date and were included in the IPE model at the time of submittal.

The one hardware modification made to the plant was the purchase of a portable fan to cool the main control room during a station blackout. This modification was not included in the IPE (see response to question 3)

b) If available, identify the total impact of these plant changes to the total plant core damage frequency and to the station blackout CDF (i.e., reduction in total plant CDF and station blackout CDF).

The IPE model was developed with the operator actions described in part a. Therefore the total impact of these plant changes on CDF was not quantified.

c) If available, identify the impact of each individual plant change to the total plant core damage frequency and to the station blackout CDF (i.e., reduction in total plant CDF and station blackout CDF).

See part b. above.

d) Identify any other changes to the plant that have been implemented or planned to be implemented that are separate from those in response to the station blackout rule, that reduce the station blackout CDF.

Concrete barriers have been installed around all outside transformers. This serves to protect the transformers from vehicle damage and damage from failure of an adjacent transformer.

e) Identify whether the changes in #4 are implemented or planned.

The changes identified in part d have been implemented.

f) Identify whether credit was taken for the changes in #4 in the IPE.

No credit was taken for the concrete barriers described in part d.

g) If available, identify the impact of the changes in #4 to the station blackout CDF.

Not available.

7. Subsection 3.2.2 and Table 3.2-5 of the submittal state that the residual heat removal (RHR) and low pressure core spray (LPCS) pumps will continue to run for a period of time after shutdown cooling water supplies to the pump motor lube oil coolers are lost. A similar comment is made regarding loss of shutdown cooling water to the reactor core isolation cooling (RCIC), RHR, and LPCS room coolers. While the submittal indicates that lube oil cooling and HVAC support for these pumps has been modeled, it is not clear whether credit has been taken for a reduced mission time for these pump dependencies. Also, subsection 3.3.3.2.1 of the submittal states that a post-initiator time threshold of 4 hours was allowed for repair of failed components used to provide HVAC for injection systems. However, the submittal does not indicate the method by which this 4-hour time threshold for HVAC repair was determined.

a) State the mission times used in the analysis for support systems used to provide lube oil cooling and HVAC for the above pumps. If any of these mission times are different than the 24 mission time assumed in the overall IPE analysis, provide justification.

For purposes of determining component failure probabilities, a 24 hour mission time was used for all the above mentioned cooling dependencies. Because of the delay that would occur between loss of pump room cooling and any actual failure of an ECCS or RCIC pump, credit was taken for other systems that could provide adequate core cooling in cutsets involving loss of room cooling.

The reasoning behind this modeling decision is as follows. Loss of room cooling would not cause an immediate loss of ECCS pumps or the RCIC system (see response to part b below). While these core cooling systems are available the decay heat levels would have fallen sufficiently so that other low volume makeup systems (i.e. the Control Rod Drive System and the Fire Protection System) could potentially maintain core cooling. This was handled during the plant model quantification process by identifying cutsets in which ECCS or RCIC pump failures were caused by room cooling failures. Recoveries were applied to these cutsets by "ANDing" them with the Control Rod Drive and Fire Protection system fault tree models.

b) Submit the basis used to determine that injection systems can operate for 4 hours without HVAC.

Safety-related components located in the ECCS or RCIC rooms including the pumps have been environmentally qualified for severe temperature conditions including a High Energy Line Break (HELB). A heatup analysis was performed using the methodology contained in NUMARC 87-00 for the Low Pressure Core Spray room. Similar results are expected for the other ECCS rooms. In this analysis, the heat loads for the LPCS room from the room cooler sizing calculation were used along with the area of the ceilings and walls in the room to determine a temperature rise in the room. The room temperature estimated from this analysis (174°F) was bounded for approximately three hours by the environmental qualification temperature profile for the room that was associated with a HELB (see CPS USAR table 3.11-8). Because the room temperature

rise for the first three hours was substantially below the HELB equipment qualification temperature envelope and only slightly above for the period from three to six hours, the assumption was made that the pumps would remain operable for four hours after room cooling was lost. Case studies using the MAAP computer code indicate that the recovery systems modeled (Control Rod Drive and Fire Protection) could be successful in preventing core damage even if other core cooling systems were available for only 1 hour after reactor shutdown.

c) Explain how the IPE addressed the possibility that periods of HVAC unavailability might result in the tripping of pumps on high temperature.

There is no automatic trip associated with ECCS pump high temperature. As noted in the response to part b, the ECCS pumps are qualified for high temperatures associated with their equipment qualification envelope. Because these rooms will exceed their equipment qualification envelopes before the 24 hour mission time has passed the pumps by themselves are not considered a success path. Instead other recovery systems are credited as being available when the pumps are assumed to fail on high temperature (See the response to part a).

8. A time-phased recovery was applied for station blackout cut sets to account for the fact that while diesel generator failures can occur any time during the 24-hour mission time, the probability of non-recovery of offsite power significantly decreases as a function of time. The time phased recovery data used in the analysis are listed in Tables 3.3-9 and 3.3-10 of the submittal. However, there is not enough discussion in the submittal regarding the manner in which the time-recovery data in these tables were generated.

a) State whether the data in these tables are meant to represent "recovery" or "non-recovery" probabilities.

This data represents the fail-to-recover probability

b) Explain the distinction between "Level 1" recovery and the "containment recovery" categories in these tables.

The difference between Level 1 recoveries and containment recoveries represents only the shorter time available to recover power in order to prevent core damage as compared to the time to prevent vessel failure. In high pressure sequences two additional hours are available in which to recover injection after core damage and before vessel failure. In low pressure sequences, only about 15 minutes elapses between core damage and vessel failure because of loss of inventory during depressurization.

c) Describe how the data in these tables were combined into the accident sequence cut sets (i.e., direct multiplication, etc.).

These factors were multiplied with the other events in each applicable cutset.

d) Illustrate the process used to derive the data in these tables by providing a step-by-step derivation of the first row of entries in each table.

This data was derived as described below, using the table 8-1 input data.

TABLE 8-1
Frequency of LOOP longer than given duration (hours)

0	.5*	1	2	4	8	16
.1157	.049	.029	.0057	.0027	.0014	.0007

Data from NUREG-1032, table A.11 (*Table A.1).

First, the conditional frequency of LOOP longer than the given duration given that a LOOP has occurred is determined. This is obtained by dividing the frequency of a LOOP longer than the given duration by the frequency that a LOOP has occurred. For example, for 2 hours

P = .0057/.1157 = .049.

Carrying this through yields the following results.

TABLE 8-2
Conditional Probability of Not Recovering LOOP, given that a LOOP has occurred

Hours	Conditional Probability	Source or Note
0	1.0	
0.5	0.421	Table A.1
1	0.25	Reference 6
2	0.049	
4	0.023	
5.25	0.019	Interpolated
8	0.012	
16	0.0061	

These values are the probability of not recovering LOOP by the given time and will be used in the subsequent derivations. In each case, the conditional probability will be calculated in the same manner. That is, the probability of not recovering in 4 hours, given that no recovery was made in .5 hours is calculated and expressed thus:

$P\{R(4)|R(.5)\} = .023/.421 = .055$

The derivation of the time-phased recovery follows the following pattern.

The probability that a diesel generator fails to run (FTR) for the mission time of 24 hours and off-site power is not recovered in time to avert core damage (i.e., within .5 hours) is

$P\{T_f<24,R(.5)\} = \lambda D * 24 \text{ hours} * P\{R(.5)\}$

where $P\{ T_f<24,R(.5)\}$ is read as the probability that the diesel fails within 24 hours and off-site power is not recovered within .5 hours, λD = the hourly failure-to-run rate for diesel-generators (DG FTR).

$P = .002 * 24 * .421 = .0202.$

This value occurring in cutsets is predominant and can be reduced by the following method. Since the probability of failure of the diesel generator is the same for any hour of the mission time (i.e., the first, fifth, or 23 hour), the formula above can be expanded as follows:

P = probability DG fails in first hour ($T_f<1$) times the probability of not recovering off-site power before the first hour
+
probability DG fails in second hour ($1< T_f <2$) times the probability of not recovering power by the second hour
+
-probability DG fails in third hour times the probability of not recovering off-site power by the third hour
+ etc. through 24 hours.

Since we have values for failure to recover off-site power at only certain increments, we can simplify the formula to the following.

P = probability DG fails in first hour times the probability of not recovering off-site power before the first hour
+
probability DG fails in second hour times the probability of not recovering power by the second hour
+
probability DG fails in third or fourth hour times the probability of not recovering off-site power by the third hour
+
probability DG fails in fifth through eighth hour times the probability of not recovering off-site power by the fifth hour
+
probability DG fails in ninth through sixteenth hour times the probability of not recovering off-site power by the ninth hour + etc. through 24 hours.

$$
\begin{aligned}
P = \quad & \lambda D * 1 * 1 \\
+ \quad & \lambda D * 1 * .25 \\
+ \quad & \lambda D * 2 * .049 \\
+ \quad & \lambda D * 4 * .023 \\
+ \quad & \lambda D * 8 * .012 \\
+ \quad & \lambda D * 8 * .0061
\end{aligned}
$$

Calculating this out yields $\lambda D * 1.6 = .002 * 1.6 = .0032$, which is nearly an order of magnitude better than the simple approach result of .02, above.

However, what we really want is the above calculation all corrected to the conditional probability that off-site power was not initially recovered within the first half hour. The second and following hours are calculated just like the previous example, yielding $\lambda D * .6$. The first hour is calculated on the probability that the diesel fails in the first hour ($T_f \leq 1$) times the probability that off-site power is not recovered in .5 hour (No damage ensues if power is lost up to 1/2 hour, and there is a higher probability of recovering off-site power within 1/2 hour than immediately). So the first hour is calculated as $\lambda D * (R(.5)=.421) = \lambda D * .421$. Therefore, the total time-phased probability of diesel failure and failure to recover off-site power during the first 24 hours is

$$P\{ T_f<24, R(T_f)\} = (\lambda D * .421) + (\lambda D * .6) = \lambda D * 1.021.$$

However this is the absolute probability. What we want is the above probability under the condition that power was not recovered in the first half hour.

$$P\{T_f<24, R(T_f)|R(.5)\} = \lambda D * 1.021/.421 = \lambda D * 2.43.$$

This is the conditional probability of failure of AC power to support systems to prevent core damage, given that a LOOP of at least .5 hours has occurred (YLI). Now it must be recognized that the fault tree and event tree modeling include only the simple model for the diesel failure ($\lambda D * 24$) with no off-site power recovery. To establish a recovery factor (RF) then, we must divide the new time-phased failure probability just derived by the original value.

$$
\begin{aligned}
RF &= P\{T_f<24, R(T_f)|R(.5)\}/P\{T_f<24)\} \\
&= \lambda D * 2.43 / \lambda D * 24 \\
&= .10
\end{aligned}
$$

This recovery factor is now the probability of failure of the diesel to run combined with the failure to recover off-site power by the time the diesel fails, given that a LOOP of at least .5 hours has occurred, and is used to modify all cutsets which contain the event for diesel failure to run for the mission time (24 hours) combined with loss of off-site power events and failure to recover in 1/2 hour events.

Sequence-Specific Recovery Factors

Recovery factors are now calculated to be applied to specific basic events depending on the sequence in which they appear.

Sequence TLUlU3

Diesel fail to run

The common cause and Division 3 diesel failure to run recovery factor for this sequence is identical to what was just derived. The individual diesel failures for Division 1 and 2, however, are contained in independent subtrees (IST). In order to obtain a recovery factor for an independent subtree, the 24 hour diesel failure probability (.048) is subtracted from the IST value (.0541) leaving the failure from the remaining events in the IST (.00614). Then the recovered diesel failure to run probability (λ_D * 2.43) is added.

$$P(IST)' = P(IST) - (\lambda_D * 24) + (\lambda_D * 2.43)$$
$$= .0541 - .048 + (.002 * 2.43)$$
$$= .0541 - .048 + .0049 = .011$$

The recovery factor is then derived as above by dividing this new failure probability by the previous failure probability.

$$RF = P(IST)' / P(IST)$$
$$= .011/.0541 = .20$$

This is the recovery factor applied to the diesel fail-to-run ISTs in all cutsets for the TLUlU3 sequences which also have the LOOP and YLl events.

A similar method is used for deriving the recoveries for the diesel fuel oil pump fail to run and fail to start (FTS). However the fuel oil day tank contains enough fuel to run the engine a minimum of two hours, so off-site power can be recovered up to two hours after pump failure and still be successful.

For FTR, $P\{T_f < 24, R(T_f + 2)\}$
$= \lambda R * 2 * .049$ (fail to recover OSP in 2 hours)
$+ \lambda R * 4 * .023$
$+ \lambda R * 8 * .012$
$+ \lambda R * 10 * .0061$

$= \lambda R * .35$

Therefore:
$P\{T_f < 24, R(T_f + 2)|R(.5)\} = \lambda R * .35 / .421 = \lambda R * .82$
and
$RF = P\{T_f < 24, R(T_f + 2)|R(.5)\} / P\{T_f < 24\}$
$= \lambda R * .82 / \lambda R * 24 = .034$
where λR = hourly failure rate of pump to run.

This is the recovery applied to the common cause fuel oil pump FTR events and was used to develop the recovery factor for the ISTs containing these FTR events.

For FTS, the failure can only occur at one time, the initial demand. So recovery of OSP to recover this event must be within two hours.

$P\{R(2)\} = .049$ (fail to recover OSP in 2 hours)

and

$RF = P\{R(2)|R(.5)\} = .049 / .421 = .12$

This is the recovery applied to the common cause fuel oil pump FTS events and was used to develop the recovery factor for the ISTs containing these FTS events.

All the non-common cause fuel oil pump events are contained in ISTs. The recovery factor for these ISTs is derived in the same way that the DG IST RFs were derived, yielding .538 as the recovery factor to be applied to the fuel oil pump IST events. This recovery factor takes into account recovery of both FTS and FTR events in the diesel oil ISTs.

$P = .00726 - .003 - 24 * \lambda R + .12 * .003 + .35 * \lambda R$
$= .00391$
$RF = .00391/.00726 = 0.538$

Table 8-3
TLUlU3 Results Summary

BASIC	RECOVERY EVENT	RECOVERY FACTOR
AISTDGARUN	BDGCCUlU3R	2.00E-1
AISTDGBRUN	BDGCCUlU3R	2.00E-1
ADG01KCDGR	BDGDIV3U3R	1.00E-l
ADGACCCDGR	B3DGCCUlU3	1.00E-1
ADGABCCDGR	B3DGCCUlU3	1.00E-1
ADGBCCCDGR	B3DGCCUlU3	1.00E-1
AGABCCCDGR	B3DGCCUlU3	1.00E-1
AISTDOPMPA	BDOISTUlU3	5.38E-1
AISTDOPMPB	BDOISTUlU3	5.38E-1
AISTDOPMPC	BDOISTUlU3	5.38E-1
ADABCCCMPS	B3DOCCUlUS	1.20E-1
ADOABCCMPS	B3DOCCUlUS	1.20E-1
ADOACCCMPS	B3DOCCUlUS	1.20E-1
ADOBCCCMPS	B3DOCCUlUS	1.20E-1
ADABCCCMPR	B3DOCCUlUR	3.40E-2
ADOABCCMPR	B3DOCCUlUR	3.40E-2
ADOACCCMPR	B3DOCCUlUR	3.40E-2
ADOBCCCMPR	B3DOCCUlUR	3.40E-2

Sequence TLUlL4DGlDG2

Diesel fail to run

The common cause diesel failure to run recovery factor for this sequence is derived in the same manner as above. However, in this sequence, success can be achieved if OSP is recovered significantly after loss of the diesel generator -- 4 hours if load shedding on the batteries is successful, and 1 hour after the loss of the diesel generator if load shedding is not successful. Considering this adjustment, the DG FTR is calculated in the same manner as the DG FTR for the UlU3 sequence, except that the delay considerations are applied as in the fuel oil pump failure to run.

For DG FTR, $P\{T_f<24,R(T_f+4)\} = \lambda_D * 4 * .023 + \lambda_D * 8 * .012 + \lambda_D * 12 * .0061$

$= \lambda_D * .26$

However in the four hours between when the diesel dies and the batteries go dead, there is also a probability of recovery of the diesel itself. This recovery factor was developed in the Recovery section of reference 7 as .1. So the probability to which the OSP recovery is to be applied is that the diesel fails and is not recovered for four hours, which is
$P\{T_f<24,R(T_f+4)\} * .1 = \lambda_D * .26 * .1 = \lambda_D * .026.$

Therefore
$P\{T_f<24,R(T_f+4),R_{DG}(4)|R(.5)\} = \lambda_D * .026 / .421 = \lambda_D * .062$
and

$RF = P\{T_f<24,R(T_f+4),R_{DG}(4)|R(.5)\} / P\{T_f<24\} = \lambda_D * .062 / \lambda_D * 24 = .0026.$

However this sequence already has three recoveries built in: L4, DG1, and DG2. These values in the sequence solutions are .045, .8, and .8, respectively. Therefore, the factor to be applied to diesel FTRs in this sequence is

RF= .0026 / (.045 * .8 * .8) = .09,

to be applied to common cause and Division 3 DG FTR events in this sequence.

A similar analysis for the failure to shed DC loads case, considering only 1 hour battery depletion time yields a recovery factor of .03.

The non-common cause Division 1 and 2 diesel FTR IST recovery factors are also developed as described before, yielding the following results:

$P = .054 - .048 + 1.39 * \lambda_D / (.5938 * .99 * .99) = .015$
RF= .0015/.054 = .28
$P = .054 - .048 + .062 * \lambda_D / (.045 * .8 * .8) = .0103$
RF= .0103/.054 = .191,

1	hour	.28
4	hour	.191

The recoveries for the diesel fuel oil pump fail to run and fail to start (FTS) are derived in the same manner as those for the TLU1U3 sequence, allowing for the fact that six hours are available for recovery after pump failure.

$P = .00726 - .003 - 24 * \lambda_R + .12 * .003 + .22 * \lambda_R = .00391$
RF = .00391/.00726 = .538

Table 8-4

TLU1L4DG1DG2 Results Summary

BASIC EVENT	RECOVERY EVENT	RECOVERY FACTOR
Four hour case		
AISTDGARUN	BDGRUNDDR4	1.91E-l
AISTDGBRUN	BDGRUNDDR4	1.91E-1
ADG01KCDGR	BDGRUNDDR4	1.91E-1
ADGACCCDGR	B3DGCCDDR4	9.00E-2
ADGABCCDGR	B3DGCCDDR4	9.00E-2
ADGBCCCDGR	B3DGCCDDR4	9.00E-2
AGABCCCDGR	B3DGCCDDR4	9.00E-2
AISTDOPMPA	BDOISTDDZ4	5.4E-1
AISTDOPMPB	BDOISTDDZ4	5.4E-1
AISTDOPMPC	BDOISTDDZ4	5.4E-1
ADABCCCMPS	B3DOCCDDS4	1.90E-1
ADOABCCMPS	B3DOCCDDS4	1.90E-1
ADOACCCMPS	B3DOCCDDS4	1.90E-1
ADOBCCCMPS	B3DOCCDDS4	1.90E-1
ADABCCCMPR	B3DOCCDDR4	7.80E-2
ADOABCCMPR	B3DOCCDDR4	7.80E-2
ADOACCCMPR	B3DOCCDDR4	7.80E-2
ADOBCCCMPR	B3DOCCDDR4	7.80E-2

Table 8-4

TLU1L4DG1DG2 Results Summary (Continued)

BASIC EVENT	RECOVERY EVENT	RECOVERY FACTOR
One hour case		
AISTDGARUN	BDGRUNDDR1	1.40E-1
AISTDGBRUN	BDGRUNDDR1	1.40E-1
ADG01KCDGR	BDGRUNDDR1	1.40E-1
ADGACCCDGR	B3DGCCDDR1	3.00E-2
ADGABCCDGR	B3DGCCDDR1	3.00E-2
ADGBCCCDGR	B3DGCCDDR1	3.00E-2
AGABCCCDGR	B3DGCCDDR1	3.00E-2
AISTDOPMPA	BDOISTDDZ1	5.40E-1
AISTDOPMPB	BDOISTDDZ1	5.40E-1
AISTDOPMPC	BDOISTDDZ1	5.40E-1
ADABCCCMPS	B3DOCCDDS1	2.00E-2
ADOABCCMPS	B3DOCCDDS1	2.00E-2
ADOACCCMPS	B3DOCCDDS1	2.00E-2
ADOBCCCMPS	B3DOCCDDS1	2.00E-2
ADABCCCMPR	B3DOCCDDR1	5.20E-3
ADOABCCMPR	B3DOCCDDR1	5.20E-3
ADOACCCMPR	B3DOCCDDR1	5.20E-3
ADOBCCCMPR	B3DOCCDDR1	5.20E-3

Actually all of these derivations are conservative to the extent that if the failure occurs later during the mission time, there actually would be additional time to core damage without power than if the failure occurs early in the mission time because of the decreasing decay heat loads. No attempt has been made to eliminate this conservatism.

The containment recoveries are derived in the same manner, except for allowing additional time to recover. The derivation for the containment sequence recoveries are conditional, including allowance for non-recovery up to core damage (i.e. recovered in six hours given not recovered in four).

Tables 3.3-9 and 3.3-10 are reproduced here, with the recovery events identified for cross reference purposes.

Table 3.3-9

TIME-PHASED RECOVERY FOR SHORT TERM STATION BLACKOUT SEQUENCE TLU1U2

DESCRIPTION	LEVEL 1 RECOVERY	CONTAINMENT RECOVERY
DG01KA or B fails to run	.2 BDGCCU1U3R	.34 BDGCCT1U3R
DG01KC fails to run	.1 BDGDIV3U3R	.34 BDGCCT1U3R
Common cause failure of any 2 or all 3 Diesel Generators to run	.1 B3DGCCU1U3	.34 B3DGCTU1U3
Diesel A, B, or C fuel oil pump fails	.538 BDOISTU1U3	.75 BDOICTU1U3
Common cause failure of any 2 or all 3 Diesel fuel oil pumps to start	.12 B3DOCCU1US	.47 B3DOCTU1US
Common cause failure of any 2 or all 3 Diesel fuel oil pumps to run	.34 B3DOCCU1UR	.75 B3DOCTU1UR

Table 3.3-10

TIME-PHASED RECOVERY FOR LONG TERM STATION BLACKOUT SEQUENCE TLU1L4DG1DG2

DESCRIPTION	LEVEL 1 RECOVERY		CONTAINMENT RECOVERY	
	1 HOUR	4 HOUR	1 HOUR	4 HOUR
DG01KA, B, or C fails to run	.14 BDGRUNDDR1	.191 BDGRUNDDR4	.52 BDGRCTDDR1	.87 BDGRCTDDR4
Common cause failure of any 2 or all 3 Diesel Generators to run	.03 B3DGCCDDR1	.09 B3DGCCDDR4	.52 B3DGCTDDR1	.87 B3DGCTDDR4
Diesel A, B, or C fuel oil pump fails	.54 BDOISTDDZ1	.54 BDOISTDDZ4	.81 BDOICTDDZ1	.84 BDOICTDDZ4
Common cause failure of any 2 or all 3 Diesel fuel oil pumps to start	.02 B3DOCCDDS1	.19 B3DOCCDDS4	.42 B3DOCTDDS1	.52 B3DOCTDDS4
Common cause failure of any 2 or all 3 Diesel fuel oil pumps to run	.0052 B3DOCCDDR1	.078 B3DOCCDDR4	.81 B3DOCTDDR1	.84 B3DOCTDDR4

Note: In the process of answering these questions an error in recovery event BDGRUNDDR1 was found. It was reported as 0.14, while the correct value is 0.28. This correction results in a 0.4% increase in the core damage frequency reported in the IPE submitted. In PRA updates since submission, the independent sub-trees are expanded and this IST recovery event no longer applies as derived herein.

9. The time-phased recovery for station blackout sequences has modeled diesel generator fuel oil pump failures, as indicated in Tables 3.3-9 and 3.3-10 of the submittal. However, there are no failure data for fuel oil pumps included in the list of component failure data provided in Table 3.3-1 of the submittal. Furthermore, there are no common cause failure data for fuel oil pumps included in the list of common cause failure data provided in Table 3.3-12 of the submittal. It is not clear how fuel oil pumps were modeled in the analysis.

a) Describe how these pumps were modeled in the mitigating system fault trees and time-phased recovery for station blackout.

The diesel fuel oil pumps are safety-related, motor-driven centrifugal pumps. They are modeled in the fault trees for the diesel generators with failure to run for mission time, failure to start, as well as common-cause combinations for FTS and FTR events, any one of which would prevent successful diesel generator operation. The power supply to these pumps, as well as other diesel auxiliaries for each division was modeled from pseudo diesel generator buses with all dependencies except AC power, in order to avoid logic loops. The time-phased recovery potential was described in the answer to question 8.d.

b) Provide the failure data used for independent and common cause failures of the diesel fuel oil pumps.

Failure to run	3E-5 per hour	as shown in table 3.3-1
Failure to start	3E-3 per demand	as shown in table 3.3-1
Common Cause failure to run	6.0E-7 per hour	
Common Cause failure to start	6E-5 per demand	

c) Identify the source(s) of these items of failure data.

Failure to run	NUREG CR-4550 Vol.1, Rev.1	as shown in table 3.3-1
Failure to start	NUREG CR-4550 Vol.1, Rev.1	as shown in table 3.3-1
Common Cause	Generic BETA factor of 0.02 based on NUREG CR-2098	

10. The submittal states that the IPE independent review team (IIRT) provided many substantive technical comments during the IPE evaluation, though no further details of the nature of these comments is provided.

a) Summarize the substantive IIRT technical comments and their disposition.

The following are a sampling of IIRT comments.

- When using a direct comparison with the Grand Gulf design a most notable difference is that GG uses Number 18 reinforcing bar on 18 inch centers as a primary reinforcing member whereas Clinton uses Number 18 on 12 inch centers.

- Consider incorporating in the write-up about the 12 week rolling maintenance schedule concerning the reasons the schedule was established and the prudency of intentionally taking systems out-of-service while at power in order to perform reliability improving activities.

- The baseline data base for operating experience covers approximately 15,000 hours of operation. CPS has accumulated an additional 5000 hours of operation which has not been incorporated into the analysis. Consideration should be given to incorporating this additional experience into the data base.

- Comments on the use of plant-specific versus generic failure rates.

- Specifically, feedwater recovery probability was based on industry events and questioned why Clinton-specific data was not used.

- Since we model four systems that Grand Gulf does not, it would appear appropriate to indicate why we model these systems.

- The assumption that 'failure of the minimum flow valve to open' fails the HPCS pump on overheating appears too conservative for the following reasons: 1) No operator action allowed. The operator may identify this problem and take recovery action. 2) As soon as the pump starts, the injection valve starts to open which allows flow to occur. Is this assumption consistent with NUREG-1150 for Grand Gulf and Peach Bottom?

- Why is no assumption made regarding human errors associated with 'miscalibration of transmitters' or 'failure to properly restore after maintenance or surveillance'?

- Several logic diagrams have a failure mode for level or pressure channels down for maintenance. During routine calibrations and surveillance procedures, the affected channel will be by-passed and should not cause a failure.

- Three failure events (one at CPS) associated with air line failures are known to the IIRT. This rate of occurrence (in the last two years) does not tend to support the assumption as written.

- Portions of RHR and RCIC can be controlled from the Remote Shutdown Panel (RSP). The RSP has very few interlocks or automatic control logic associated with it. Should operation of RHR and RCIC from the RSP be represented?

- Human error probabilities is difficult to follow, this section needs more detail.

- A table of plant damage state codes are provided but not used in the report. Do you intend to revise the containment trees to add another column titled 'plant damage state'?

- Why has the containment event tree heading 'Containment Spray' been deleted?

- In the containment bypass section, it is not clear where the containment bypass occurs. Does the bypass include secondary containment?

- Please assure that hydrogen burn data provided in the combustible gas section is not proprietary.

- Strengthen tie of conclusions of phenomenological sections to containment event trees (CETs).

- In the combustible gas fault tree (used to develop section 3.2.1.12 'Hydrogen Igniters'), there is a situation modeled which should not occur because of a Technical Specification on not having both division 1 and division 2 igniters out-of-service for maintenance at the same time.

- The success criteria of the hydrogen igniters does not appear correct. It is stated that one division of igniters is needed to be operable, but actually it is one division minus 5 igniters.

- The detailed HRA section should include a statement that the purpose of a detailed HRA on those human actions determined to be the most important was to assure that plant procedures, training, and equipment were appropriately represented by the HRA model.

- Credit is taken for the fact that some valves are interlocked and therefore human error is not considered in inadvertent opening of the valve. Since reliance on the interlock is assumed, should the failure analysis consider the probability of interlock failure?

- The 'HPCS water leg pump down for maintenance' basic event appears to overlap with the 'HPCS system out-of-service (OOS) for maintenance' event since, in operating practice, the waterleg pump OOS event forces the entire system OOS.

- The original comment dealt with the criteria to be used to determine if operator error will be included in a fault tree. In particular, the question asked about systems like the main condenser and DC power which are in-service during normal operation. Your response, in general, was acceptable, however, one more aspect of this issue arises. While it as agreed that operator error (failure to restore system after maintenance or testing) would be obvious

for a system which must run to support normal operation, such systems as SJAE, CW, offgas, etc., typically have one train in standby. Wouldn't operator error associated with 'failure to restore' apply to the standby train?

- Clogging of suction strainers may not be a reasonable event to model for the following reasons: 1) Fibrous insulation is not used in the containment. 2) Procedural controls are in place to limit the amount of flexible material (which could cause blockage) in the containment. 3) The strainers are located at mid-pool elevation to minimize entrainment of materials which are much lighter or heavier than water. 4) Strainers are oversized to compensate for some blockage.

- The beta factor of 0.1 for common cause plugging of service water screens appears to be low. The experiences of several of the (IIRT) team members were that when conditions exist for plugging of one screen, it likely exists for plugging of all screens.

- The human error probability (HEP) for operator failure to shed battery loads is 0.9. This appears to be an 'insight' where action is needed to reduce risk.

The comments were dispositioned by incorporating the concerns within the report, some with changes to the model and/or writeup and others with clarifying information to the writeup only.

b) Explain how the IIRT addressed technical aspects of the PRA process given that the IIRT appears to have lacked a PRA expert.

As described in Section 5.2.2 of the submittal, PRA training was given to the IIRT during the course of the IPE project. The training was performed in stages over several months in order to maximize retention of the PRA principles by the IIRT. In addition, PRA training was also given to the participants in the licensed operator requalification program which the IIRT members who have SRO licenses are a part. By applying the expert plant knowledge of the IIRT with the PRA training, satisfactory reviews could be and were achieved. In addition to IIRT commenting on the technical aspects of the PRA process, outside consultants who are PRA experts were on the Senior Management Review Team (SMRT) and contributed many valid comments. The review emphasis by the IIRT was, "Does the PRA accurately reflect our plant and how it's run?", while the emphasis from the SMRT included PRA modeling and assumptions.

11. The flooding analysis appears to have been limited to consideration of effects from equipment submergence. No mention is made of other types of flooding-related effects on equipment, such as spray, water, or steam impingement. Please list all the categories of adverse environmental effects that were considered in the flooding analysis.

The flooding analysis, in addition to submersion, considered the effects of water spray or stream impingement. The flooding analysis specifically did not address steam effects as they were not considered to be a flood related consequence. However a review was made of all of the areas analyzed by the flood analysis using the initial screening criteria but revising the first criteria from "The location must have the potential to flood." (assuming water only), to "The location must have a potential to flood or have a steam source". Therefore, in order for a room to be included in the flooding analysis, it must meet the following three screening criteria:

A) The location must have a potential to flood or have a steam source,

B) The location must have equipment in it that is modeled in the PRA,

C) A flood in the location affecting the equipment there will result in a reactor SCRAM (automatic or manually initiated).

From a review of all areas in the plant, no new flood zones were identified for analysis as they either had no steam source or were already included in the flooding analysis.

12. The submittal is unclear on the operator actions associated with automatic depressurization system (ADS). Typically operator action to inhibit ADS is only specified in sequences that involve anticipated transient without scram (ATWS). However, submittal Section 3.4.1.1, Class IA sequences states: "Operator action is required to depressurize the vessel since the emergency operating procedures (EOPS) require the operator to inhibit the Automatic Depressurization System (ADS) once the timer starts." Similarly Section 6.3.4 states: "The need for manual depressurization is caused by the Emergency Operating Procedures (EOPS) that direct ADS to be inhibited for virtually all scenarios. As a result, when low pressure systems are needed, ADS needs to be manually initiated." This implies that at Clinton the inhibiting of ADS is required by procedure for ATWS as well as most non-ATWS sequences.

a) Clarify under what conditions the Clinton EOPs direct the operator to inhibit ADS and under what conditions automatic depressurization would be allowed.

The EOPs direct the operator to inhibit ADS not only when entering the ATWS EOP, but also when entering the level control portion of EOP-1 "RPV Control". Level control is entered upon a RPV water level below "level 3" condition. An override for the level control leg of the procedure is to "inhibit ADS when the ADS timer starts". Since level 3 is reached before level 1, procedural guidance to inhibit ADS is given before the ADS timer starts; thus, there are no conditions when automatic depressurization would be allowed.

b) Explain how this analysis is consistent with Rev. 4 of the BWR emergency procedure guidelines (EPGS) which are described as a basis for the analysis performed (Section 6.5.4.2).

The RPV Control Guideline states that "If RPV water level can be maintained above the top of active fuel and the ADS timer has initiated, prevent automatic RPV depressurization by resetting the ADS timer".

The Plant Specific Technical Guidelines (PSTG) were developed to reflect plant-unique action levels and the configuration of plant systems using Revision 4 of the BWR EPGs.

The Technical Bases incorporate the guidance in the PSTG and describes the content of the EOPs. In this document, ADS actuation is prevented for the following reasons:

ADS actuation can impose a severe thermal transient on the RPV and may complicate efforts to control RPV water level.

If only RCIC is available for injection, ADS actuation may directly lead to loss of adequate core cooling and subsequent core damage.

The conditions assumed in the design of the ADS actuation logic (e.g., no operator action for 10 minutes after event initiation) may not exist when the actions specified in RPV Control are being carried out.

The operator can draw on much more information than is available to the ADS logic (e.g., equipment out of service for maintenance, operating experience with certain systems, probability of restoration of off-site power, etc.) and can better judge, based on instructions contained in the procedure, when and how to depressurize the RPV. Subsequent steps provide explicit and detailed instructions for RPV water level control and identify the specific conditions when a blowdown is required.

From the above plant-specific development, the action to inhibit ADS is consistent with Revision 4 of the BWR EPGs.

13. The Clinton IPE concludes that transient sequences involving failures of high pressure and depressurization are significant contributors to CDF. However, in these types of transients, it is expected that operators would have on the order of 1 hour after the initiating event to accomplish successful depressurization and establish core cooling with low pressure injection systems. Therefore, it is not clear why failure to depressurize at Clinton is of higher contribution to CDF than typically seen in BWRS.

a) Given that BWRs are specifically designed to support the use of low pressure injection via depressurization, please explain why failure to depressurize is a major CDF contributor at Clinton.

An evaluation was performed of the core damage cutsets to analyze those basic events or independent sub-trees with the highest importance measures. The core damage cutsets are the summation of all the failure sequence cutsets from all the core damage event trees. Section 6.3.4 of the CPS IPE submittal discusses the depressurization events and the reasons for their importance in the current PRA plant model. The following summarizes the major points.

- ADS was the only means of depressurization modeled. Depressurizing through the bypass valves using the pressure regulator or bypass valve jack was not modeled in the CPS PRA although these actions are allowed in the emergency operating procedures (EOPs) and practiced in the simulator by operating crews in requalification training. A reduction in the contribution of "failure to depressurize" to CDF would be expected if the alternate methods of depressurizing were modeled.

  Note: Alternate depressurization methods have been included in PRA updates subsequent to the IPE submittal, but failure to initiate ADS is still very important. Part of the reason for this is that operator error is the significant contribution to this failure. Hardware failures have a low contribution. Consequently, if the operator fails to depressurize using ADS, there is a low probability that he will successfully use any alternative system.

- The "failure to depressurize" events can render low pressure injection systems unavailable in the PRA plant model. These two events appear in 93% of the high pressure transient cutsets.

- The basic event "Operator fails to manually initiate ADS" has a low failure probability (5E-4), but high Fussell-Vesely and Achievement Worth importance measures. The CPS EOP for Level Control directs that ADS be inhibited for scenarios in which the ADS timer starts, which increases the importance measures for that basic event.

The single depressurization method modeled is a major reason why "failure to depressurize" is a large contributor to CDF (The answers to questions 12 and 21 provide additional information.).

b) Given that at Clinton failure to depressurize represents a larger CDF contribution than typically seen in BWRs, it appears that the criterion for determining vulnerabilities "New or unusual means of core damage ...occur as compared to those identified at other PRAS" may be applicable in this case. Please explain what was done to assure that 'failure to depressurize' does not represent a vulnerability at Clinton.

As described in part a) above, CPS modeled the SRVs as the only depressurization method. As part of the IPE evaluation, the operator action of "failure to depressurize" has been identified as having significant impact on the likelihood of avoiding or experiencing core damage even with the low failure probability. This operator action was reviewed, in a detailed HRA, in terms of Performance Shaping Factors (PSFs) that may influence the likelihood of successful completion of the action when called for in EOPs. The probability of operator error in this action was estimated through use of the Accident Sequence Evaluation Procedure (ASEP) (NUREG/CR-4772, Swain, 1987; McClymont, 1991).

PSFs attempt to account for conditions specific to CPS that would influence the reliability of operator crews if they were to carry out the task under expected conditions. Interviews were conducted with the CPS HRA analysts to understand the nature of the tasks' potential susceptibility to influence by the various PSFs.

As a validity check, the preliminary PSF influence score was then presented to a review group consisting of a 6-man operating crew and two instructors, with the training simulator available as a discussion aid, for their review and comment. The final results, integrating the crew's inputs, are contained in the task descriptions and PSF application summary presented here. The net rated effect of each PSF on the operator action is indicated by a rating symbol. A "+" indicates an influence toward higher probability of error, a "0" indicates a neutral influence, and a "-" indicates an influence toward a reduced probability of error.

PSF Application to Depressurize RPV using SRVs
(Operator fails to manually initiate ADS)

PSF	Discussion	Rating
Complexity	Diagnostic complexity is low: rapidly dropping RPV level with no high pressure injection sources points toward the requirement for depressurization in order to accomplish low pressure injection. A conflicting operator goal may be to avoid severe thermal stress to plant by ADS blowdown from high pressure and temperature.	0
Time	Light: Time available to complete the action is about 32 min., while time required to initiate and complete the action is less than 1 minute.	0
Knowledge, Experience, and Training	This task is trained on in a simulator as part of each requalification. Operators know if HPCS and RCIC do not start automatically on RPV level dropping past level 2, to anticipate requirement for manual depressurization	-
Guidance	Contained in event-driven Emergency Operating Procedures (EOPs 1 & 3). Clear, direct, unambiguous.	-
Interface	All controls are located in one location in the MCR. Actuation of just 4 of 16 valves is sufficient to achieve the function.	-
Action Context	This is a rapidly moving event with little to distract operators from diagnosis and rapid initiation. Level is seen as such a key parameter to all these tasks that compelling signals (drop precipitously past levels 2 and 1 toward TAF) are unlikely to be missed. May be some pause to be certain of diagnosis before taking action due to motivation to avoid stressing the plant.	-
Stress	High: While time pressure is moderate from PRA standpoint (about 30 min. for an action requiring 1 min.), key parameter (RPV level) is dropping rapidly, crew is attempting to start HPCS and RCIC, without success.	+

The net result of the detailed HRA is that the operator action to initiate ADS is rated as unlikely to induce operator error. Even so, the importance of this action, as modeled in the current PRA, has been emphasized to the CPS training department. For these reasons, "failure to depressurize' does not represent a vulnerability.

14. Please provide the cut sets for each of the 4 dominant sequences listed in Table 1.4-4 of the submittal that comprise at least 50% of the total CDF along with a brief cut-set event description and assigned probabilities.

The cutsets are attached to the end of this document..

15. The IPE's Level 1 analysis does not appear to include consideration of containment failure effects in the operability of emergency core cooling system (ECCS) equipment needed for long term cooling. As a result, it was assumed that there would be no impact on the CDF from containment failure. The submittal states that containment failure will not disable the ECCS pumps from loss of NPSH. However, other BWR IPEs have assumed that containment failure by overpressure could release steam or water that could disable electrical or other equipment resulting in EQ-related failures of ECCS pumps or other ECCS equipment.

a) Provide the basis for the assumption that the containment failure will not adversely impact any of the ECCS equipment modeled as available for core cooling in accident sequences involving containment failure.

CPS has a Mark III containment with a large suppression pool and net free air volume. As a result, for sequences in which the reactor is shutdown and core damage is averted (ECCS system(s) running), the containment would not fail during the 24 hour mission time of the IPE, even if containment heat removal systems were unavailable. The decay heat energy added to the containment is insufficient to cause enough of the suppression pool inventory to boil to exceed the ultimate strength capacity of the containment.

For the ATWS sequences in which the reactor can not be shutdown, core damage is assumed to occur if the main condenser is lost as a heat sink. Therefore ECCS systems could not prevent core damage, whether available or not.

In non-ATWS sequences in which core damage occurs there may be sufficient hydrogen generated to cause containment failure due to hydrogen burns. However these sequences already involved core damage (i.e. ECCS and other injection systems failed) and containment failure so the sequence determination has already been made.

b) Discuss whether containment venting was credited in the Level 1 analysis. If it was credited, describe the impact of venting on the continued use of ECCS equipment.

Because ECCS systems would not be affected by containment performance during the mission time of the level 1 analysis no credit for containment venting was required in the level one analysis.

16. Section 3.3.3.1.1 of the submittal does not clearly discuss the process that was used to identify and select preinitiator human events involving miscalibration of instrumentation. The process used to identify and select these types of human events may include the review of procedures, and discussions with appropriate plant personnel on interpretation and implementation of the plant's calibration procedures.

a) Provide a description of the process that was used to identify human events involving miscalibration of instrumentation.

The process that was used to identify human events involving miscalibration of instrumentation was that those events which have a significant effect on systems, trains, or components are modeled in the fault trees. If the miscalibration of instrumentation events had very little effect on a system, then no human event was included. This broad approach on human events helped to ensure that significant contributors to system failure were covered.

The human event was eliminated if the maintenance/testing does not disable the system or if the system automatically realigns to perform its safety function. However, because of the number and variety of procedures contained within each event, no event was eliminated for these reasons alone. Thus, the broad approach was used in which a transmitter miscalibration basic event was included in the ECCS initiation fault trees for each transmitter modeled.

b) Provide examples illustrating this process including the analysis of errors in RCS level sensing, which is used extensively in ECCS initiation circuits in BWRs.

A transmitter miscalibration basic event was included in the ECCS initiation fault trees for each level transmitter modeled. A HEP value of 0.003 was used for all of the reactor level transmitters modeled in the ECCS initiation fault trees. This HEP was used since the maintenance procedures includes steps for component status verification as part of the restoration process. Two reactor water level transmitters were modeled in each division for division one and division two initiation circuitry. There were four reactor water level transmitters modeled for the division three circuitry. For the ATWS initiation circuitry, there were four reactor level transmitters modeled, two for each channel. As mentioned before, each transmitter modeled had a miscalibration event included in the system fault tree model. Transmitter miscalibration basic events were also modeled for pressure transmitters that are part of the divisional initiation circuitry.

See response to question 17.c. for discussion sensitivity analysis of these pre-initiator HEPs.

17. It is not clear from the submittal how screening values were assigned to the preinitiator human events.

a) Provide a complete description of the process for assigning screening values with examples of events to illustrate the process.

Human reliability analysis was accomplished for the Clinton IPE using a several step process. Following the identification and modeling of human actions that are necessary to operate each system modeled in the IPE, screening probabilities were assigned to each human error event in the second step. Pre-initiating event (Type 1 of SHARP method, EPRI NP-3583, "Systematic Human Action Reliability Procedure") human errors were explicitly modeled. These consist of failure to restore equipment following test or maintenance and improper calibration of instrumentation. The screening process was performed prior to initial quantification. The screening human error probability (HEP) estimates were derived through an abbreviated application of the methods described in NUREG/CR-1278, the "Handbook of Human Reliability Analysis". HEP estimates for typical situations expected in normal and emergency situations were derived from this document and several other sources. The estimated HEPs were developed into a flow chart and tables for use in performing the screening analysis. If a test or maintenance activity does not disable the system or component or if the system/component auto realigns, the event was eliminated. If the procedure for the maintenance, test, or calibration activity include steps for component status verification, a HEP of 0.003 was assigned, otherwise a value of 0.01 was assigned.

b) Describe the basis for the values; that is, the rationale of how the selected screening value did not eliminate important preinitiator human events or truncate the analysis of accident sequences. For example, it is important that the inadvertent combination of multiple human errors in sequences do not lead to the elimination of accident sequences because the product of their screening-value probabilities results in sequence frequencies below the PRA truncation value.

Screening values for pre-initiator human events are a combination of historical data collected by the nuclear industry and judgment extending back to WASH-1400, "Reactor Safety Study", USNRC, October 1975. Conservative values are always used, however they are selected to be not excessively conservative to distort quantification results (i.e. make something appear important that is not, and therefore reduce something in importance as a result) or to cause problems in quantification. As discussed in section 3.3.3.1.4 of our report, these values were obtained mainly from NUREG/CR-1278 and the IDCOR (Industry Degraded Core Rulemaking) Technical Report 86.3B1. The values in NUREG/CR-1278 for each item on a long list using a checkoff ranges from 0.0008 to 0.01 with 0.003 as the recommended value. For each item on a long list without checkoff, a range of 0.003 to 0.03 is given with a recommended value of 0.01. Values for short lists are less. These values were compared to typical values for such errors. for example, basic human error probabilities developed from the NUREG/CR-1278 methodology (Technique for Human Error Rate Prediction, THERP) produces values typically in the 0.0001 (ensure valves are in the correct lineup following maintenance or test) to 0.003 (operator performs necessary precaution in written procedure). Common mode failures are captured in the selection of the basic HEP. In an example from WASH-1400 and NUREG/CR-1278 (miscalibration of four sensors during regularly scheduled maintenance with procedure), the

failures are judged to be due to a faulty setup such as using the wrong scale or connecting at a wrong point. A conservative estimate of this common mode probability is 0.01. The probability of miscalibrating all four sensors is approximately 0.002. This number is reduced by an order of magnitude if independent checking is involved. Note: At CPS instruments are calibrated on a pre-planned maintenance schedule so that no two divisions are calibrated in close time proximity.

In addition, quantification results were examined to ensure that sequences were not being dropped artificially. Accident sequence truncation of all sequences was more than four orders of magnitude below the core damage frequency, so there could be no loss of any significant accident sequences even if the HEP estimates were non-conservative by even an order of magnitude.

c) Provide additional explanation and justification for the criteria used in the sensitivity analysis to determine which human action events would be selected for detailed human reliability analysis (HRA). Illustrate how the core-damage sequence results were examined, with examples of cases where events were or were not selected for further analysis.

After core damage sequences were quantified using screening HEP's, the core damage sequence frequency results were reviewed to determine the most significant human actions to be submitted to more detailed analysis and derivation of more realistic HEP estimates. Two primary criteria were used to select human actions for more detailed analysis.

First, actions were selected that could reduce core damage frequency significantly if lower HEP estimates were derived through more detailed analysis (Fussell-Vesely value 0.1 or greater). The screening value HEP's used for many events were upper bound estimates based on conservative assumptions about operator actions. A more detailed analysis has the potential to lower the HEP estimates significantly, as more realistic assumptions could be utilized. If reduction in the HEP's for such events would lead to a significant reduction in the core damage frequency, then the events were included in the detailed HRA.

Second, the core damage sequence results were examined to see if potentially non-conservative HEP estimates for any operator actions could have led to inappropriately optimistic sequence quantification results. NUREG-1335, the guidance document for IPE submittals, specifies that any significant operator "recovery" actions modeled in the IPE be reported (Recovery actions in this context are interpreted as post-initiator human actions). Specifically, low-probability human actions must be reported that cause sequences to fall below the IPE reportability threshold of 1E-6 per year. Consequently, human actions that have a significant potential to increase the frequency of sequences from below 1E-6 per year were included in the detailed HRA.

In order to assess if human actions fit either of these two criteria, the sensitivity of core damage frequency to changes in HEP's for human actions in the IPE models was evaluated. The magnitude of the change in each HEP that was used in these sensitivity studies depended on the magnitude of the screening HEP and the likely effect on the HEP of a detailed HRA. This magnitude of change was estimated by engineering judgment. In each sensitivity study, the IPE models were requantified using the changed HEP for each human action and a new core damage frequency was calculated.

If the sensitivity study resulted in a significant reduction in core damage frequency, then the human action was included in the detailed HRA under the first criterion. If the sensitivity study resulted in a significant increase in core damage frequency for sequences under 1E-6, then the human action was included in the detailed HRA under the second criterion. Human actions were included if the change in core damage frequency in the sensitivity study exceeded 5E-6 per year. Five human actions were chosen under the first criterion and one action (initiate standby liquid control) was chosen under the second criterion.

Note: The first two basic events shown on table 3.3-4 of the IPE Submittal are anomalous. Modeling refinements after the initial screening of the HEPs for detailed analysis made these two events less important by the time the final quantification was performed. These two events should not have been included in this table.

On subsequent updates, both the risk achievement worth (RAW) and the risk reduction worth (RRW) of all HEP values was reviewed. Any human interaction event with a RAW or RRW of 1.1 or greater was retained for further review.

No pre-initiator events have sufficient significance to warrant detailed modeling under either method.

18. The submittal is unclear whether any detailed HRA modeling was performed for preinitiator human events. The events listed in Table 3.3-2 only identify events with screening values, and Section 3.3.3.1.6, Detailed HRA, only discusses the analysis of post-initiator human events. Please describe the rationale for assessing the need for detailed HRA modeling of preinitiator human events, including a discussion of the potential for dependencies between multiple preinitiator human events that might result in significant failure probabilities. For example, the description of the sensitivity analysis in Section 3.3.3.1.5 does not clarify how dependencies between multiple preinitiator human events were incorporated in the sensitivity analysis.

No pre-initiator events were subject to detailed HRA modeling. As identified in the answer to question 17, none survived the sensitivity analysis. Although there is a possibility for cutsets with more than one pre-initiator event, the dependency would be very small because of the CPS practices for scheduling maintenance and surveillances. Different divisions of systems and instruments are worked during different weeks in a periodic rolling schedule pattern. Therefore, it is unlikely that the same person or crew could be involved in successive system or division activities. Any systematic human errors, such as inadequate procedures, would have become apparent by this time. Any residual event dependency would be included in the extensive common cause modeling for CPS. In addition, any pre-initiator events that could lead to accident sequence initiators would have shown up in the initiating event frequencies. While CPS used primarily industry data for initiating event frequencies, historical frequencies were determined (for those events that had occurred at CPS) and their uncertainty range included the industry values.

19. The submittal is not clear as to the method used to identify and select post-initiator response-type actions for analysis. The method utilized should confirm that plant emergency procedures, design, and operational practices and policies were examined and understood to identify potential severe accident sequences. Please provide a description of the process that was used for identifying and selecting the response type actions evaluated.

The post-initiator actions involve proceduralized actions that operators would utilize to respond to events and repair or restoration actions that an operator would attempt for equipment that is essential to successful prevention of core damage or loss of containment function. The method used to identify and select actions for analysis generally consisted of the following steps:

1. For each accident initiator determined from review of plant and industry data, the functions and systems needed to prevent core damage and/or containment failure were identified.

2. The supporting systems needed by these essential or front-line systems were determined.

3. The human actions needed to successfully accomplish the initiation and operation of the system(s) or function(s) were determined.

4. The accident sequences and system functions were modeled to establish the time available for actions.

5. The accident sequences were quantified and sensitivity studies performed to select human action for more detailed analysis.

The process of human interaction selection - step 3 - began with the selection of a team that included personnel with operating experience, systems engineering, and human reliability expertise. This team performed a detailed examination of system descriptions, system design and performance characteristics, examination of emergency procedures and guidelines, operator interviews, talk throughs, and walk throughs to understand how the plant would respond to an initiating event, how the operators would respond to an event which would activate use of abnormal or emergency procedures and could otherwise lead to a safety system challenge, what would be the most likely plant response to an initiating event, and what would be involved in the attempted recovery of failed systems.

Once the basic accident scenarios were understood, step 4 was performed to develop a time to core damage assuming the failure of an essential function. Operator actions embedded within the emergency operating procedures were examined and modeled in the determination of time to core damage when these actions could result in the failure to establish a safety function.

This detailed evaluation of procedures through studies, interviews, control room simulator exercises, talk throughs and walk throughs, and studies of the time to core damage or containment failure was used to determine what human actions were essential to successfully operate the systems supplying the functions needed to mitigate core damage challenges and

containment challenges. In each of the cases, repeated interaction with plant operators were used to define the operator actions to model within the sequence.

Selection of restoration or repair actions was likewise modeled based on the importance of the loss of function to the mitigation of an accident scenario. Each function was examined for its importance to the prevention of core damage in a particular sequence, the feasibility of recovering the function if lost, and the time available to recover the function. The same method of review and evaluation including interviews with operators and support personnel, and evaluation of industry experience was used. Finally data available to quantify the restoration or repair probability was considered in the final set of human interactions selected. The methods of quantification are discussed in section 3.3 of the IPE submittal and the responses to questions 8, 9, and 22.

20. It is not clear from Section 3.3.3.1.6 of the submittal what were the bases for evaluating the probabilities of failure for post-initiator human actions through the application of plant-specific performance shaping factors. The submittal identifies several factors reviewed in the detailed HRA analysis, including examinations of procedures, training, and human engineering. However, other factors such as staffing, communication, and administrative controls can also be important. Please explain by way of example the process used to select, assess, and assign values to the performance shaping factors used in the analysis of the below listed post-initiator human events from Table 3.3-6.

- **GADSMANSYW**
- **YDCLOADSWH**
- **YL1**
- **BISTHPINJR**
- **BISTRIINJR**
- **RSPCOOLSWW**

Of the human events specified in question 20, only GADSMANSYW and YDCLOADSWH had detailed HRA analyses performed. The failure probability for event YL1 was calculated using the time and probability information from industry experience (See the answer to question 8.) and did not utilize HRA analysis. Thus, performance shaping factors were not used. The failure probability for event RSPCOOLSWW was calculated using the HRA screening methodology described in section 3.3.3.1.4. of the submittal. The screening methodology does not utilize performance shaping factors. Events BISTHPINJR and BISTRIINJR are both equipment recovery actions and had failure probabilities calculated by the method described in section 3.3.3.2. of the submittal. The calculation of failure probabilities for recovery factors does not utilize performance shaping factors.

Seven performance shaping factors (PSFs) were used in the detailed HRA analysis. The PSFs chosen for this analysis were adapted from a concise formula described in Chien, S. H., Dykes, A. A., Stetkar, J. W., & Bley, D. C., "Quantification of Human Error Rates Using a SLIM-Based Approach", Proceedings of the IEEE Fourth Conference on Human Factors and Power Plants, Pp. 297-302, June 5-9, 1988. These factors are as follows:

1. Complexity of operator actions.

2. Adequacy of Time Factors.

3. Crew's level of knowledge, skills, training and experience.

4. Adequacy of guidance materials.

5. Characteristics of the interface.

6. Previous, subsequent and concurrent actions.

7. Stress.

Assessment of the PSFs for each human action began with a detailed task analysis. This task analysis reviewed the following aspects of each human action:

- What signals would be received from plant equipment that would direct the action to be performed? This includes compelling and confirmatory signals used both for diagnosis of the event as well as to determine how quickly the action must be performed.

- What procedures exist that describe how the action should be performed? This step examines the clarity of the guidance as well as the complexity of the action being performed.

- How the action had to be performed? This step examined conditions such as where the action had to be performed, lighting conditions in the work areas, what communications are available and whether the task must be performed in conjunction with other tasks or required multiple operators.

- How much time was available to perform the human action? This required the identification of how long the task takes to perform as well as how much time it takes for the event signals to come in and be correctly diagnosed.

- How familiar is the operator with the action to be performed? This step reviews the training the operator has received on the particular human action. This review identifies how frequently the operator is trained on the particular action. The type of training, i.e., simulation in the field, simulator or classroom lecture, is also determined.

- How many operators are available to perform post-event human actions? This step identified the minimum number and qualifications of the shift complement. It also identified which operators are available to perform individual tasks.

Once the HRA analysts had completed the task analysis, the completed PSFs were presented to an operating crew as well as operations training instructors. The comments and insights provided by the operations and training personnel were incorporated into the PSFs.

To provide examples of the PSFs developed in the detailed HRA, the PSFs for human actions GADSMANSYW and YDCLOADSWH are provided in the following paragraphs.

PSF Application to GADSMANSYW, Depressurize RPV using SRVs (blowdown using ADS):

Complexity	Diagnostic complexity is low: rapidly dropping RPV level with no high pressure injection sources point toward requirement for depressurization in order to accomplish low pressure injection. A conflicting operator goal may be to avoid severe thermal stress to plant by ADS blowdown from high pressure and temperature.
Time	Light: Time available to complete the action is about 32 minutes, while time required to initiate and complete the action is less than 1 minute.
Knowledge, Experience, and Training	This task is trained in a simulated context as part of each requalification. Operators know if HPCS and RCIC do not start automatically on RPV level dropping past level 2, to anticipate requirement for manual depressurization.
Guidance	Contained in event-driven Emergency Operating Procedures (EOPs 1 & 3). Clear, direct, unambiguous.
Interface	All controls are located in one location in the MCR. Actuation of just 4 of 16 valves is sufficient to achieve the function.
Action Context	This is a rapidly moving event with little to distract operator(s) from diagnosis and rapid initiation. Level is seen as such a key parameter to all these tasks that compelling signals (drop precipitously past levels 2 and 1 toward TAF) are unlikely to be missed. May be some pause to be certain of diagnosis before taking action due to motivation to avoid stressing the plant.
Stress	High: While time pressure is moderate from PRA standpoint (about 30 minutes to take an action requiring 1 minute), key parameter (RPV level) is dropping rapidly, crew is attempting to start HPCS and RCIC without success.

PSF Application to YDCLOADSWH, Shed DC Loads:

Complexity	Diagnosis is straightforward: Station Black-Out (SBO) (which removes Division I and II motor-driven injection sources) + loss of HPCS (which can be powered from Division III diesels). Task itself is moderately complex in that it requires manually operating breakers in low light conditions on approximately a dozen DC loads on panels in multiple locations in multiple buildings. This factor interacts with action context (see below).
Time	Problem here is Prioritization; this alone will take some time. Conservative estimate is 35 minutes to complete, even if initiated in first minute of SBO event. After 60 minutes, batteries expire, control of RCIC is lost, and this task becomes moot. Thus, this factor acts as a multiplier: if initiation is immediate, time is not a factor; if initiation is postponed for 15 min, an hour of battery time is lost, and the time factor begins to make other error-inducing factors more influential.
Knowledge, Experience, and Training	Diagnosis is easy, and intuitive- Although SBO is extensively trained, the action itself had not been trained on until recently, when a Job Performance Measure (JPM) was implemented that requires actual walk through as a requalification item.
Guidance	Procedures list the task but do not direct this task to be undertaken immediately; because crew resources may be required to handle other diagnostic and emergency procedures. Crew is believed likely to put off this task if only to deal with prioritization which is not well supported by the procedures.
Interface	The interface is moderately difficult in that the operator(s) must move from the MCR to remote panels in low light conditions, and open breakers labeled to match those on the checklist carried for the purpose. This is estimated to require a few seconds per division.
Action Context	This is potentially the major factor shaping likelihood of success. Because so many other demands are being made on the crew, this raises the probability that this task may not be started soon enough. Once decision is made to initiate this task, it's straightforward unless assigned operator(s) are distracted.
Stress	Moderate to high; this level is taken into account by application of the ASEP formula.

The PSFs in this analysis were applied independently of the Accident Sequence Evaluation Program (ASEP) methodology which was the basis for the quantifiable failure probability estimates. The ASEP methodology includes adjustments for factors that are similar to the PSFs. In ASEP, there are adjustments (sometimes implicit) for the following factors:

single vs. multiple-operator tasks
(near) simultaneous occurrence of other abnormal events
position of action in an ordinal sequence of events
time to diagnose & act vs. time available
degree of stress
dynamic vs. procedural tasks
inclusion of the action in regular practice
name-recognition of the context for the action
quality of procedures
number of annunciators active and answered
skill- vs. rule- vs. knowledge- based performance.

The ASEP adjustments overlap with the PSFs used in this analysis. In no case, however, are they identical. Generally, the PSFs used in this analysis are more comprehensively defined (both individually and as a set) than the adjustment factors use by the ASEP methodology. The PSF scores were used as an independent, qualitative check of how likely the action's PSF would induce some kind of operator error in the context in which it is expected to occur at CPS.

The results of this check for a particular action were used in two ways: (1) to adjust the failure probability used in the IPE, for cases in which comparison of the PSF definitions suggest adjustments overlooked by ASEP, and (2) to examine more closely those actions whose PSF scores suggest that modification of their respective PSF contexts could reduce the event failure probability.

21. In the detailed HRA analysis of post-initiator human events, the consideration of time is important. The submittal is not clear on how "available" time (Tm) was calculated for the various post-initiator human events. For several of the post-initiator human events examined:

a) Provide the available time estimated for the operator action and the bases for the time chosen, and examples illustrating how different times were calculated for the same task performed in different accident sequences.

Of the operator actions listed in Table 3.3-6, only three of the actions had the detailed HRA analysis performed. The available times for these three actions are as follows:

GADSMANSYW 30.8 minutes

SAS01ABSWW 71.0 minutes

YDCLOADSWH 59.0 minutes

These times are based on three factors. The first factor, T_1, is the length of time starting at the occurrence of the accident sequence initiator and ending at the point core damage occurs without the operator action. The second factor, T_2, is the length of time starting at the occurrence of the accident sequence initiator and ending at the time when the compelling signal for the operator action is received. The third factor, T_3, is the length of time required for the operator action to be effective following the performance of the action.

Using the three noted factors, T_m is calculated as follows:

$$T_m = T_1 - T_2 - T_3$$

One example of how different T_m values can be calculated for the same action in different accident sequences involves action GADSMANSYW, manual depressurization of the RPV using SRVs. This action is performed when reactor water level reaches the top of active fuel (TAF). Core damage occurs after vessel water level is below 2/3 core height for greater than 4 minutes. For accident sequences in which the control rod drive (CRD) system is available, the time until TAF is reached is 43.6 minutes. For accidents sequences in which the CRD system is not available, such as LOOP, SBO or loss of plant service water transients, TAF is reached in 27.8 minutes. However, the minimum T_m for all accident sequences was used for the HRA analysis.

Another example of how different accident sequences can affect Tm involves action SAS01ABSWW, manual initiation of the standby liquid control system (SLC). The SLC system has two pumps. Using both pumps, the SLC system can shut down the reactor in 40 minutes (under worst case assumptions). Accident sequences in which only one SLC pump is available have a significantly shorter T_m since a single pump requires 80 minutes to be effective in shutting down the reactor.

Action SAS01ABSWW is also based on the main condenser being unavailable and the reactor recirculation pump runback being successful. Accident sequences with the main condenser available as a heat sink for even a portion of the time would have longer values of T_m. Accident sequences in which the pump runback is not successful would have shorter values of T_m since the reactor would be dumping more heat into the containment building than if the runback was successful.

The situation in which action YDCLOADSWH, Division 1 and 2 battery load shedding would be performed is in an SBO with concurrent unavailability of the HPCS system but with the RCIC system operable. Different accident sequences meeting these conditions would not significantly impact T_m since the plant conditions following an SBO with only RCIC injection would not affect how much time was available for DC load shedding or how soon indications of the SBO would be received in the main control room.

b) Explain, with several examples, how the value for the available time was selected to represent the range of detailed accident conditions that may be implicit in the sequences it represents; for example, the value may represent a bounding condition (i.e., Tm is the minimum of the range) or may represent a more typical value (e.g., through the use of a mean value of Tm). To the extent possible, please indicate the major sources of uncertainty in the estimates of Tm, particularly those that might significantly reduce estimates of Tm.

The timings for the span of time from accident initiator occurrence until core damage could occur were calculated using the MAAP 3.0B code. Different accident sequences were analyzed by modifying the MAAP input deck and running the code. The time used for the calculation of T_m for different accident sequences was the minimum value obtained for any accident sequence for which the action was required.

The timings for the span of time from accident initiator occurrence until the compelling signal would be received was also calculated using the MAAP 3.0B code. This calculated number was reviewed by individuals holding SRO licenses at CPS to ensure the values were reasonable. For this time period, the maximum time period from all accident sequences for which the action was required was selected. The maximum time was selected since longer times for this factor decrease the time available to diagnose and perform the action.

The timings for the span of time for the action to be effective was calculated differently for different actions. For the manual depressurization of the reactor vessel action, the time was calculated using the MAAP code. For the manual initiation of the SLC system action, the time was taken from an analysis in the CPS USAR. For the DC load shedding manual action, the time was assumed to be instantaneous once all required DC breakers were opened.

As was stated earlier, the source used for calculation of T_1 was the MAAP 3.0B code. Uncertainties in the use of this code for the operator actions are small since plant data was used in the MAAP parameter file and the phenomena being modeled are very straightforward over the time period of interest.

Little uncertainty also exists for factor T_2. For action GADSMANSYW, the time between the start of the transient and the point at which the reactor operator receives an annunciator to alert him that vessel level has reached level 3 is less than one minute. This timing was calculated using MAAP and verified by discussions with CPS operators. Action SAS01ABSWW has very simple timing criteria, the transient causes a condition in which the reactor should, but fails, to SCRAM. This condition would be known to the operators in less than a minute. The indication for action

YDCLOADSWH is the occurrence of an SBO which would be noted by the operators almost immediately.

As was the case for the other factors, factor T_3 has little uncertainty associated with it. The MAAP code was used to calculate the time required for reactor pressure vessel depressurization to occur. An engineering calculation was used as the basis for determining the time required for the SLC system to be effective in bringing the reactor subcritical. Success for action YDCLOADSWH assumed that all required Division 1 and 2 breakers had to be opened before any benefit would be gained. In practice, the time available to complete the action would be extended as the electrical load was in the process of being shed.

22. Section 3.3.3.2 identifies repair and restoration of failed components as one of three types of recoveries considered in the Clinton analysis. Further, Section 3.3.3.2.1 states that the assignment of probabilities of recovery actions associated with failed components is based in part on data reported in EPRI report RP-3000-34, "Faulted Systems Recovery Experience." Typically credit of this type of recovery action is not taken in PRA because of the great idea [deal sic] of uncertainty associated with varied failure mechanisms and performance of maintenance. In order to better understand your rationale and justification for crediting these recoveries:

a) Provide a description of the process that was used for identifying and selecting the recovery type actions evaluated.

The following criteria were used to choose the basic events to include in the recovery analysis and to choose the recovery times appropriate for each event.

1. Basic events with Fussell-Vesely values greater than or equal to 1.0E-02 were considered in the recovery analysis.

2. Basic events which satisfy #1 but have the following characteristics were discarded from consideration

   - Basic events with system code = "B" (Recovery Actions), "Y" (Flags and Event Tree Headings),
   - Basic events with system code = "A" (Auxiliary Power) unless the component code is "CB" (Circuit Breaker),
   - Basic events with failure code = "W", "H", or "M" (Maintenance or other human actions).

3. The recovery probability for all the basic events corresponds to a recovery time of 1/2 hour except for the following basic events. (Note: where recovery time of four hours is specified, data from EPRI Draft Report RP-3000-34 for two hours was used, because this was the maximum time analyzed in RP-3000-34. Therefore, these recoveries may be slightly conservative.):

- Basic events with component type "FN" (Fan). Use recovery probability corresponding to four hours.
- Basic events which are in the Shutdown Service Water System (system code = "X"). Use recovery probability corresponding to four hours.

The choice of these time thresholds for recovery is based on the time available to restore the failed components to operability and operate the affected system in order to avert core damage. For components in systems that act directly as potential core cooling sources, the correct time threshold is approximately one-half hour. This is based on CPS MAAP 3.0B analysis, which shows that no significant core damage results following a transient with no injection for a minimum of one-half hour. This time is available to regain and restore components that have failed. If these repairs can be completed within one-half hour, then the affected system can be restored and core damage avoided.

For components related to room cooling for injection systems, an appropriate time threshold is 4 hours. If such components fail, then several hours pass before injection system components in the affected rooms potentially fail because of high temperatures. Only after these effects occur, are the effectiveness of injection systems impacted and successful core cooling threatened. In these cases, the entire 4 hour period is available to repair the components that support room cooling. Such components include fans. Also, for the accident sequences in which recovery of this kind is considered, the shutdown service water system's primary function is to provide cooling water for ECCS room cooling.

4. Diesel generator recovery probabilities were determined for one and four hours, corresponding to the time considered in the event tree for AC power recovery in time to prevent battery depletion.

Recovery Investigation

The Recovery Failure Probabilities (RFPs) for significant component failure basic events were determined by utilizing the results from EPRI RP-3000-34. The recovery results in this report are represented by curves which are divided into various recovery categories (i.e., recovery trends by system, component type, failure mode, failure cause, and recovery method). The curves which are used to determine the RFPs of the events considered in this analysis and the calculations of the RFPs chosen for different basic events are presented in the following section.

The RFPs for the components considered in this analysis have been separated into three categories. 1) System - If recovery data exist for a system to which a particular component being considered belongs, then the recovery failure probability of the component would be represented

by the recovery failure probability of the system; 2) Failure mode, such as failure to open, failure to run - RFPs are determined independent of type (i.e., for valves, motor operated, isolation, check, and relief valves are considered to be the same); 3) Type - RFP are determined according to equipment types or failure causes. All types of instrumentation such as pressure, flow, logic, level instruments are included in a single component type category called INSTRUMENTATION.

If recovery data were found in any category, recovery was assigned in the quantification. If data for more than one category fit the component being considered for recovery, then the most appropriate value was chosen by considering the composition of the data used to derive the non-recovery probability in each category. Because of the way the data were pooled, the most appropriate values for motor-operated valves and turbine driven pump failure came from the "component type" breakdown of the data, while the most appropriate values for motor-driven pumps came from the "failure model" breakdown of the data (this allowed distinction between potential recovery from pump failure to start and failure to run). If data were found in only one category that value was used.

Below is a brief description of the methodology used to determine the RFP for component failure events in the sequence cut sets.

VALVES

The RFP for valves was determined according to the following:

a) By Systems (Fig. 3.2-1 of RP-3000-34.

- Motor operated valves - MOV's recovery data is available for RHR, HPCI-RCIC, AFW, and "OTHER Systems". Therefore, recovery failure probabilities for motor operated valves can be determined for these systems.

- Air operated, check, relief, and other valve RFP cannot be determined by system because of lack of recovery data associated with these types of valves.

b) By valve types (Fig. 3.2-2 of RP-3000-34).

- Motor operated valves - Isolation and motor operated valves recovery data are pooled together to determine the recovery probabilities for motor operated valves, as discussed in RP-3000-34. At CPS most isolation valves are also motor-operated.

- Check valves - 4 recovery events for check valves (i.e., explicitly stated as check valves) are found. 3 check valve failures required 99 hours each to recover and 1 required 6.33 hours to recover. From the above data, it is concluded that recovery of check valves cannot be done in less than 4 hours.

- Relief valves - 3 recovery events for relief valves (i.e., explicitly stated as relief valves) are found. 1 required 2.13 hours to recover, 1 required 0.33 hours and 1 required 63.25 hours. Therefore, 2/3 of the relief valves are recovered within the first 2 1/2 hours.

- Air operated valves - No conclusions can be made concerning the RFP of air operated valves (by type) because of insufficient data in the reference document.

c) By Failure mode. The curves in Figure 3.2-3 of RP-3000-34 represent valve recovery events by failure mode. The valves are pooled irrespective of systems or valve types.

PUMPS

The recovery probability for pumps was determined according to the following:

a) By failure mode (Fig. 3.2-6 of RP-3000-34). RFP for pumps "Failure to Run" are determined by pooling recovery from pump suction and trip failure data. Recovery probabilities for failure to start data are determined directly from the "Fail to Start" curve in Fig. 3.2-6 of RP-3000-34.

b) By pump type. Recovery data for only motor operated pumps are available. The recovery failure probability of turbine driven pumps (e.g. RCIC) was determined by using recovery data for turbines.

INSTRUMENTATION

The recovery data for pump and valve failures caused by instrumentation failures was pooled to determine the recovery probability of instrumentation.

DIESEL GENERATORS

The recovery probabilities for Diesel Generators were determined from Group 4 recovery data (Fig. 3.1-4 of RP-3000-34).

CIRCUIT BREAKERS, FANS, STRAINERS, COMPRESSORS

No events were found in RP-3000-34 for recovery time of all these events. Therefore, no conclusions were made concerning the recovery of these events. The RFP for these components are represented by "ID".

Results

The results of the above are tabulated in the following table. If recovery data were not found for the categories described above, an "ID - Insufficient Data" is shown in the table.

The table column headings are described as follows:

1) Basic Event Name - the component failures that are candidates for recovery.

2) Time Interval - For components modeled to be recovered at different times, the time interval is specified.

3) System Recovery Prob - the recovery failure probability of the system which includes the component.

4) System Recovery Figure - The figure in RP-3000-34 from which the probability was obtained.

5) Failure Mode Prob - recovery failure probability of the event by failure mode.

6) Failure Mode Figure - The figure in RP-3000-34 from which the probability was obtained.

7) Type of Equipment Prob - recovery failure probability of the event by component type or failure cause.

8) Type of Equipment Figure - The figure in RP-3000-34 from which the probability was obtained.

NON-RECOVERY PROBABILITIES FOR SIGNIFICANT BASIC EVENTS

		SYSTEM RECOVERY		FAILURE MODE		TYPE OF EQUIPMENT	
BASIC EVENT NAME	TIME INTERVAL	PROB	FIGURE	PROB	FIGURE(s)	PROB	FIGURE(s)
ADG01KADGR	1/2 HR	0.30 *	2-2	ID		ID	
ADG01KADGR	2 HR	0.10 *	2-2	ID		ID	
ADG01KADGS	1/2 HR	0.30 *	2-2	ID		ID	
ADG01KADGS	2 HR	0.10 *	2-2	ID		ID	
ADG01KBDGR	1/2 HR	0.30 *	2-2	ID		ID	
ADG01KBDGR	2 HR	0.10 *	2-2	ID		ID	
ADG01KBDGS	1/2 HR	0.30 *	2-2	ID		ID	
ADG01KBDGS	2 HR	0.10 *	2-2	ID		ID	
ADG01KCDGS	1/2 HR	0.30 *	2-2	ID		ID	
ADG01KCDGS	2 HR	0.10 *	2-2	ID		ID	
APX201ACBO		ID		ID		ID	
APX221ACBC		ID		ID		ID	
APX501ACBO		ID		ID		ID	
APX501BCBO		ID		ID		ID	
APX521ACBC		ID		ID		ID	
APX521BCBC		ID		ID		ID	
DCUPS1AIVD		ID		ID		ID	
DCUPS1A3SO		ID		ID		ID	
F1CD020AVC		ID		0.90	3.2-3	ID	
F1CD039AVC		ID		0.90	3.2-3	ID	
FCB011AAVC		ID		0.90	3.2-3	ID	
FCB011BAVC		ID		0.90	3.2-3	ID	
FCB011CAVC		ID		0.90	3.2-3	ID	
FCB011DAVC		ID		0.90	3.2-3	ID	
FCD031AAVC		ID		0.90	3.2-3	ID	
FCD031BAVC		ID		0.90	3.2-3	ID	
FCD031CAVC		ID		0.90	3.2-3	ID	
FDC031DAVC		ID		0.90	3.2-3	ID	
FFW010AAVC		ID		0.90	3.2-3	ID	
FFW010BAVC		ID		0.90	3.2-3	ID	
FFW010CAVC		ID		0.90	3.2-3	ID	
GCC1312MVO	1/2 HR	0.55	3.2-1	0.42	2-2 3.2-3	0.34 *	3.2-1
GCC1312MVO	2 HR	0.55	3.2-1	0.36	2-2 3.2-3	.038 *	3.2-1
GCCDISKPIL		ID		ID		ID	
GXCC69SRVO		ID		0.36	3.2-3	0.33	
HPSYST1SYM		ID		ID		ID	
HPSYST2SYM		ID		ID		ID	
HPXC001MPR		ID		0.57 *	3.2-6	0.57	3.2-6
HPXC001MPS		ID		0.60 *	3.2-6	.0.60	3.2-6
HPXD002ORP		ID		ID		ID	
HPXD301STP		ID		ID		ID	
HPXF001MVT		ID		ID		ID	
HPXF004MVO		0.70	3.2-1	0.36	3.2-3	0.34 *	3.2-1 3.2-2
HPXF012MVC		0.70	3.2-1	0.90	3.2-3	0.34 *	3.2-1 3.2-2
HPXF012MVO		0.70	3.2-1	0.36	3.2-3	0.34 *	3.2-1 3.2-2
HPXF015MVO		0.70	3.2-1	0.36	3.2-3	0.34 *	3.2-1 3.2-2
HRITKCCLSZ		ID		ID		0.30 *	3.3-2
IN035CCLSZ		ID		ID		0.30 *	3.3-2
IRIC001TPR		ID		ID		0.73 *	2-3
IRIC001TPS		ID		ID		0.73 *	2-3
IRIF031MVO		0.70	3.2-1	0.36	3.2-3	0.34 *	3.2-1 3.2-2
IRIF045MVO		0.70	3.2-1	0.36	3.2-3	0.34 *	3.2-1 3.2-2
IRIF068MVO		0.70	3.2-1	0.36	3.2-3	0.34 *	3.2-1 3.2-2
IRIF320XVP		ID		ID		ID	
IXC002FCPR		ID		ID		ID	

NON-RECOVERY PROBABILITIES FOR SIGNIFICANT BASIC EVENTS

(Continued)

		SYSTEM RECOVERY		FAILURE MODE		TYPE OF EQUIPMENT	
BASIC EVENT NAME	TIME INTERVAL	PROB	FIGURE	PROB	FIGURE(s)	PROB	FIGURE(s)
IXC002FCPS		ID		ID		ID	
RABCLCCMPS		ID		0.60	* 3.2-6	0.60	3.2-6
WS01FABSTP		ID		ID		ID	
WSABCCCMPR	1/2 HR	ID		0.58	* 3.2-6	0.55	3.2-6
WSABCCCMPR	2 HR	ID		0.25	* 3.2-6	0.28	3.2-6
XBPFLCCMVC		0.55	3.2-1	0.90	3.2-3	0.13	* 3.2-1 3.2-2
XCDFOCCAVO		ID		0.36	* 3.2-3	ID	
XD1CORRSYM		ID		ID		ID	
XD2CORRSYM		ID		ID		ID	
XD3CORRSYM		ID		ID		ID	
XDPABCCGTX		ID		ID		0.10	* 3.3-2
XDSPRCCGTX		ID		ID		0.10	* 3.3-2
XSX003AMVT		ID		0.65	3.2-3	0.13	* 3.2-1 3.2-2
XSX003BMVT		ID		0.65	3.2-3	0.13	* 3.2-1 3.2-2
XSX003CMVT		ID		0.65	3.2-3	0.13	* 3.2-1 3.2-2
XSX004AMVT		ID		0.65	3.2-3	0.13	* 3.2-1 3.2-2
XSX004BMVT		ID		0.65	3.2-3	0.13	* 3.2-1 3.2-2
XSX004CMVT		ID		0.65	3.2-3	0.13	* 3.2-1 3.2-2
XSX010AAVO		ID		0.36	* 3.2-3	ID	
XSX010BAVO		ID		0.36	* 3.2-3	ID	
XSX010CAVO		ID		0.36	* 3.2-3	ID	
XSX01PAMPR		ID		0.25	* 3.2-6	0.28	3.2-6
XSX01PAMPS		ID		0.43	* 3.2-6	0.28	3.2-6
XSX01PBMPR		ID		0.25	* 3.2-6	0.28	3.2-6
XSX01PBMPS		ID		0.43	* 3.2-6	0.28	3.2-6
XSX01PCMPR		ID		0.25	* 3.2-6	0.28	3.2-6
XSX01PCMPS		ID		0.43	* 3.2-6	0.28	3.2-6
XSX041AAVO		ID		0.36	* 3.2-3	ID	
XSX041BAVO		ID		0.36	* 3.2-3	ID	
XSX063AMVO		0.55	3.2-1	0.36	3.2-3	0.13	* 3.2-1 3.2-2
XSX063BMVO		0.55	3.2-1	0.36	3.2-3	0.13	* 3.2-1 3.2-2
XSX173AMVO		ID		0.36	3.2-3	0.13	* 3.2-1 3.2-2
XSX173BMVO		0.55	3.2-1	0.36	3.2-3	0.13	* 3.2-1 3.2-2
XSXABCCMPS		ID		0.43	* 3.2-6	0.43	3.2-6
XVH01CAFNR		ID		ID		ID	
XVH01CAFNS		ID		ID		ID	
XVH01CBFNR		ID		ID		ID	
XVH01CBFNS		ID		ID		ID	
XVH01CBFNS		ID		ID		ID	
XVH1CC0FNR		ID		ID		ID	
XVH1CC0FNS		ID		ID		ID	
XXSX028GTX		ID		ID		0.10	* 3.3-2
XXSX030GTX		ID		ID		0.10	* 3.3-2

b) Explain how is [sic] was determined that these EPRI data apply to the Clinton plant under accident conditions. Include in your response the details of the plant specific review performed to justify their use. For example, were walkthroughs performed, were specific maintenance procedures identified, and were appropriate plant personnel interviewed with regard to each recovery action considered?

These EPRI data were selected as the most applicable for the situation. While the events reported were not under severe accident conditions, they were under "demand" conditions. Actions to recover systems in light of a potential severe accident could be subject to additional performance shaping factors. The additional stress could lead to a higher error rate, while the additional urgency could lead to a more rapid recovery. These factors were judged to cancel, so that the data was applied with no adjustment. No specific actions were taken to demonstrate that the generic data apply directly to CPS in absence of any indication to the contrary (see answer to question 1). The data were obtained from historical reports without artificiality of simulator experiments or pre-planning. The data is probably conservative in that it is based on information through the end of the 1980's. It would be expected that recent experience would be better, considering the status of the emergency procedures and training, as well as the increased emphasis on and sensitivity to plant risk. Such recovery events have been practiced at CPS with equipment mock-ups during emergency drills.

23. It is not clear in the submittal if the dependency analysis described in Section 3.3.3.1.7 was included for credited recovery actions. The operators' performance of a recovery action is both dependent on the accident under progression and the past performance of the operators during the accident of concern. Improper treatment of these dependencies can result in the elimination of potentially dominant accident sequences, and therefore, the identification of significant events. In addition, Section 3.3.3.2.1 states that "Up to two recoveries per cut-set have been included in this study based on the demonstrated capability of Clinton to control multiple field teams during emergency exercises, including graded exercises." In order to better understand how dependencies were modeled for recovery actions:

a) Provide a concise discussion and examples illustrating how dependencies were addressed and modeled for recovery actions credited in the post-initiator HRA such that important accident sequences were not eliminated.

The first step in this investigation was to determine the combination of human error events that occur together in sequence cut sets. These combinations were determined by setting all HEPs to 1.0 for potentially dependent human error events. These events are shown on Table 23-1. The IPE models were quantified with these HEPs and sequence cut sets were derived. Because the HEPs were set to 1, no potentially dependent combinations of human error events were lost as a result of truncation.

TABLE 23-1
POST INITIATOR HUMAN EVENTS

ARCVRIMSWH	OPERATOR FAILS TO PREVENT/RECOVER BUS 1M SHUNT TRIP
BMANECCSRC	OPERATOR FAILS TO MANUALLY START ECCS SYSTEM
BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM
BXVHXCOOLR	OPERATOR FAILS TO RECOVER FROM COMMON CAUSE FAILURE OF VH ROOM COOLING
BXVXXCOOLR	OPERATOR FAILS TO RECOVER FROM COMMON CAUSE FAILURE OF VX ROOM COOLING
BXVYXCOOLR	OPERATOR FAILS TO RECOVER FROM COMMON CAUSE FAILURE VY Room COOLING
CIGNITESYW	OPERATOR FAILS TO TURN ON H2 IGNITERS
CMXCOMPSYW	OPERATOR FAILS TO START MIXING COMPRESSORS
DC71S1ASWH	OPERATOR MISPOSITIONS C71S001A BYPASS SWITCH
DC71S1BSWH	OPERATOR MISPOSITIONS C71S001B BYPASS SWITCH
DC71S1CSWH	OPERATOR MISPOSITIONS C71S001C BYPASS SWITCH
DC71S1DSWH	OPERATOR MISPOSITIONS C71S001D BYPASS SWITCH
DC71S4ASWH	OPERATOR MISPOSITIONS C71S004A BYPASS SWITCH
DC71S4BSWH	OPERATOR MISPOSITIONS C71S004B BYPASS SWITCH
DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH
DCUPS1BSWH	OPERATOR MISPOSITIONS UPS1B BYPASS SWITCH
EOFP03PDPW	OPERATOR FAILS TO START OFP03P
EIFP036CVW	OPERATORS FAILS TO REMOVE INTERNALS FROM -36 CHK VLV
FCB009BSWH	OPER FAILS TO START CB AUX LUBE OIL PUMP C
FCB011BSWH	OPER FAILS TO START CB AUX LUBE OIL PUMP D
FCBOPCCSWW	OPER FAILS TO PLACE A STANDBY CB PUMP IN SERV
FFLCMANSWH	OPERATOR FAILS TO PROP CONT FW FLOW FOR RX LVL CONT
RHSFW07SYW	OPER FAILS TO ALIGN CB OR CD FLOW TO RPV
FOPERCCSWW	OPER FAILS TO PLACE A FEEDPUMP BACK IN SERVICE
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS
GIA012AMVW	OPERATOR FAILS TO MANUALLY OPEN DIV 1 AIR BOTTLE ISOL VLV
GIA013AMVW	OPERATOR FAILS TO MANUALLY OPEN DIV 2 AIR BOTTLE ISOL VLV
IRIF031MVW	OPERATOR FAILURE TO REALIGN RCIC SUCTION
IXC002FCPW	OPERATOR FAILS TO RESTART GLAND SEAL COMPRESSOR
JOSA01CCPW	FAILURE TO LINE UP ISOLATED COMPRESSOR
JISA01CCPW	FAILURE TO PLACE COMPRESSOR 1 IN STANDBY
JXDRYCCSWY	OPERATOR FAILS TO LINE UP ISOL SA DRYER
MVACPMPCCW	OPERATOR FAILS TO LIN UP CCW TO VACUUM PUMPS
MVACPMPSYW	FAILURE TO LINE UP VACUUM PUMPS
MXMSSLXGSW	OPERATOR FAILS TO ALIGN MS SEAL STEAM LINE
MXTRAINBXW	OPERATOR FAILS TO ALIGN SJAE B IN TIME TO MAINTAIN VACUUM
NDFILRSFLW	OPER FAILS TO PLACE STANDBY DISCHARGE FILTER IN SERVICE
NSFILRSFLW	OPER FAILS TO PLACE STANDBY SUCTION FILTER IN SERVICE
NSTDPMPSWH	OPERATOR FAILS TO START THE STANDBY CRD PUMP
QVROPERTRH	OPERATOR FAILS TO VENT CONTAINMENT
QVROPERXVW	OPERATOR FAILS TO PERFORM CNMT VENT PROCEDURES (4411.06 SECT 2.4)
RCSPRAYSWW	FAILURE TO MANUALLY INITIATE CNMT SPRAY
RSDCOOLSWW	FAILURE TO MANUALLY START SHUTDOWN COOLING
SAS01ABSWW	OPERATOR FAILS TO INITIATE SLC A & B
SRTF001SWW	OPERATOR FAILS TO MANUALLY CLOSE RT INBOARD ISO VALVE
SRTF004SWW	OPERATOR FAILS TO MANUALLY CLOSE RT OUTBOARD ISO VALVE
XSX14CCXVW	COM CAUSE OPERATOR FAILS TO MAN OPEN 1SX014A B&C
XXSX215SWW	OPERATOR FAILS TO INITIATE SLUICE GATE OPENING
YATWSLVWYH	FAILURE ATWS LEVEL CONTROL
YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL
YLDSHEDSWH	OPERATORS FAIL TO SHED BATTERY LOADS
YMMMARISWH	MANUAL ROD INSERTION EFFORTS
YMSCRAMSWH	OPERATOR FAILS TO INITIATE MANUAL SCRAM
YMSSRVXRVH	FAILURE TO INHIBIT ADS
YRPVWLLSWH	OPERATOR FAILS TO CONTROL WATER LEVEL AT TOAF

The sequence cut sets developed by this quantification were searched for combinations of human error events and any combinations were noted. The degree of dependence between such events was assessed and conditional HEPs for the events given occurrence of the other events in the combination were assessed as discussed in the following example.

Events SAS01ABSWW and YATWSLVSYH: This combination consists of failure of the operator to initiate SLC in conjunction with a failure to perform ATWS level control to reduce reactor power. Both events are called for in the ATWS EOP-1A. The HEP for the operator failure to initiate SLC was assessed using the ASEP method to evaluate separately the probability of diagnosis error and the probability of failing to perform the action correctly. The conditional probability of failing to perform level control given the failure to initiate SLC is assessed by considering the diagnosis and performance portions of the HEP separately.

If the failure to initiate SLC is due to a failure of diagnosis, then this diagnosis failure is also assumed to apply with high probability to a failure to perform level control. In both cases, the operating crew would have to ignore or misread all the plant symptoms that lead to entry into EOP-1A. Thus the conditional probability of failing to diagnose the need for level control, given a failure to diagnose the need for SLC initiation, is estimated as described in the following paragraphs.

The failure probability of diagnosing the need for SLC was estimated to be 3.0E-6 based on the high degree of operator training and familiarity with ATWS events. The basic HEP for ATWS level control diagnosis is also taken as approximately 3.0E-6 since the recognition of ATWS conditions is the same for both actions. The conditional probability of failing to diagnose the need for level control, given a failure to diagnose the need for SLC initiation, is estimated using the methods developed by in NUREG/CR-1278 for estimating HEP probability when there is dependency between two or more tasks. The NUREG model is based on defining the conditional HEP's on powers of 10 to establish a numerical basis corresponding to regimes of a dependency continuum. These regimes range from no dependence through complete dependence with three intermediate dependence regimes defined (low, medium, and high). The actions of the tasks are assessed as discussed above in this section to determine the level of dependency and to select the dependence regime.

For the conditional failure to diagnose level control, the dependence is evaluated to be high. Table 10-2 of NUREG/CR-1278 provides the equations for estimating the conditional probability for success or for failure of one task given the preceding task success or failure. The equation for high dependence conditional probability of failure of a task (N) given failure of the previous task (N-1) is:

PR $\{F_{"N"} \mid F_{"N-1"} \mid HD\} = (1 + N) / 2$ where N is the basic HEP of Task N.

Substituting into this formula the conditional failure probability of ATWS level control diagnosis given failure to diagnose SLC initiation becomes:

P{YATWSLVSYH diagnosis failure | SAS01ABSWW diagnosis failure} = (3E-6 +1) / 2 = 0.5

The description of this dependency method can be found in Chapter 10 of NUREG/CR-1278. Other conditional HEPs were also based on the dependence equations of Table 10-2 of NUREG/CR-1278.

If the failure to initiate SLC is caused by an error in carrying out the action, then it is still possible that level control may be performed successfully. In simulator scenarios, it was observed that different operators were assigned to these two tasks. There is some dependence between the two actions, because the line assistant shift supervisor and others in the control room provide a check on the successful performance of both actions. The performance portion of the failure to initiate SLC HEP was assessed by considering the probability of recovery because of such checks. If these checks were unsuccessful in ensuring SLC initiation, then it is assumed there is a higher probability that they will be unsuccessful in ensuring level control. If no credit for such recovery is allowed, then the performance portion of the HEP for ATWS level control would be based on the basic HEP for a single operator performing the action. This value (.02) is less than the screening HEP (.3) used for failure to perform level control. The (higher) screening value of 0.3 is used for the performance portion of the conditional probability given failure to initiate SLC.

The total conditional HEP for failure to initiate level control given failure to initiate SLC is assessed as the weighted sum of the diagnosis and performance portions for a total conditional HEP of 0.3:

$$P\{YATWSLVSYH \mid SAS01ABSWW\} = (0.5 * 3E\text{-}6 / 4E\text{-}4) + (0.3 * 4E\text{-}4 / 4E\text{-}4)$$

$$= 0.3$$

After the dependence between combinations of human error events found in the sequence cut sets was assessed and conditional HEPs estimated, the conditional HEPs were assigned to events in the sequence cut sets, ensuring that dependencies between human error events were properly accounted for in the sequence quantification results.

The actual substitution of HRA values was done using Set Equation Transformation System (SETS) in the following fashions.

The non-dependent HRA values for each event were stored to a new variable name. Then the dependent HRA value was substituted for the initial non-dependent event. This step was done before sequence quantification and ensures that the highest value was used in the sequence quantification so that no potentially important dependent HRA is lost through truncation. Then after sequence quantification, independent sub-tree (IST) expansion and all other recoveries, SETS was used to search for the dependency combinations. Cutsets with these dependency combinations were separated from the sequence results. The initial non-dependent HRA values were substituted back into all the cutsets without the dependent combinations. Then the cutsets with and without the dependent combinations were collected back together to get the correct sequence cutsets.

b) Provide the basis for equating "demonstrated capability" of multiple teams during emergency exercises to cutset specific application of more than one recovery action. For example, were equivalent actions identified, were walkthroughs performed, were personnel involved in the "demonstrated capability" exercises interviewed, etc.,

One good example of the evaluation of CPS accident response capability is in US NRC Letter, Docket No. 50-461, September 19,1991, to Illinois Power Company, Attn: J. S. Perry, as follows: "The formation, briefing and timely dispatch of 13 inplant teams provided a good challenge to OSC supervisory personnel. 'The teams' tasks included damage assessment, emergency repair, firefighting, medical response and post-accident sampling... All teams were well briefed on their assignments and... Team members exhibited good understandings of their missions during these briefings."

Another example is the July 5, 1995, summary of the NRC Resident Inspector's exit briefing (Y-217028), as follows: "Mr. Miller [NRC Resident] also noted that the TSC and the OSC were staffed with sufficient personnel to fight multiple plant casualties should it have been required..."

Similar comments are contained in NRC Emergency Preparedness Exercise Inspection reports dated December 18, 1992, June 3, 1993, and May 25, 1994, as well as many internal exercise critiques. Some of the exercises included equipment failure mock-ups for repair.

c) Provide the list of paired recovery actions along with the pertinent sequence cutsets where they were applied.

SAS01ABSWW and YATWSLVSYH

This combination is described above.

SAS01ABSWW and FFLCMANSWH
SAS01ABSWW and FOPERCCSWW
SAS01ABSWW and J0SA01CCPW
SAS01ABSWW and FCBOPCCSWW
SAS01ABSWW and FCB009BSWH
SAS01ABSWW and DCUPS1ASWH
SAS01ABSWW and FCB011BSWH
SAS01ABSWW and FCDOPCCSWW

These combinations involve the operator failure to initiate SLC in conjunction with one of eight operator actions needed to maintain successful feedwater system operation (restarting a feedwater pump, manual feedwater control, lining up an isolated service air compressor, etc.). The operator actions in these combinations are considered independent, as different operators will be performing the actions and different conditions lead to the actions. SLC initiation is expected to be the responsibility of the "B" operator and will be called for by EOP-1A when plant conditions warrant. The actions related to feedwater operation are expected to be initiated by the "A" operator and are triggered by various developments (component failures, etc.) in the feedwater

system or its support systems. The success or failure of SLC initiation is not expected to affect operator response to these developments. Thus, no changes are made in the HEPs for these events to estimate HEPs conditional on operator failure to initiate SLC.

Events SAS01ABSWW and YMMMARISWH

This combination of events (operator failure to initiate SLC and failure to perform manual rod insertion) is highly dependent. The screening probability assigned to manual rod insertion is 1.0, which will be retained as the conditional HEP for this event.

Events FOPERCCSWW and GADSMANSYW

These events are both operator failures to take necessary actions to maintain reactor level. The first is operator failure to restart a feedwater pump after an initial trip on high reactor water level (level 8); the second is operator failure to depressurize the reactor given failure of high pressure injection sources (including feedwater).

Events XSX14CCXVW, E1FP036CVW, BXVHXCOOLR, and NSTDPMPSWH

Events XSX14CCXVW and BXVHXCOOLR are recovery actions taken in response to failures in the SX system.

Events E1FP036CVW (failure to line up fire protections system for RPV injection) and NSTDPMPSWH (failure to start standby CRD pump) are both actions taken in response to falling reactor level.

Events FCB011BSWH and FCB009BSWH

These events represent the same operator action on different condensate booster pumps.

Events ARCVR1MSWH and GADSMANSYW

Event ARCVR1MSWH is the recovery of a bus that supports feedwater system which trips on low reactor level.

24. The submittal is not clear as to whether credit was taken for post-initiator operator action to isolate flooding sources. For example, Section 3.4.1.12.4 states that if a break in a Plant Service Water pipe is unisolable, all running pumps would be tripped. This discussion specifies an operator action to trip all running pumps if the flooding is unisolable. Also implied is that the operator would take action to isolate the leak if the break were isolable. However, there is no discussion of HRA for flooding isolation. Please clarify whether operator actions to isolate flooding were considered and if credit was taken for this [these sic] operator actions, provide a list of the pertinent events, the values used to quantify these events, and the basis for their quantification.

A) The internal flooding analysis approach taken was to assume complete failure of all affected systems if the systems were susceptible to wetting due to flood, spray, or stream. Further refinement was performed on the five dominant core damage areas that took some credit for anticipated flood levels and spray impingement.

B) For section 3.4.1.12.4, the paragraph in question was paraphrased from an earlier document. No credit is taken for operator actions during a flood, although it is acknowledged that operator action could occur, in some cases stopping the flooding, as in the case of tripping of plant service water (discussed below). The below two paragraphs should replace the first paragraph in section 3.4.1.12.4 of the submittal.

> Two flooding scenarios in the HPCS Pump Room were in the group of dominant flood sequences: a flood initiated by breaks in a plant service water (WS) line and a flood initiated by HPCS line breaks. Floods in this location are important because of the importance of the HPCS system as a core cooling source. A break in a plant service water (WS) system line in this room affects other potential core cooling sources (feedwater/condensate, CRD). The loss of WS also affects the probability of failure of other ECCS systems because the system is a backup to the SX pumps (through the cross-ties to each SX division).
>
> Once a break in the WS line is diagnosed, the operator would be expected to trip the WS pumps to reduce the flow out of the rupture and would then seek to isolate the break. This requires closure of several valves situated far apart within the plant. Thus it is not expected that isolation of this break could be accomplished quickly. Furthermore, operator diagnosis that the break in the HPCS room is a WS line (the pipe is not labeled) would require additional time. Calculations indicate that the flow from this break would increase the water level in the HPCS room to the height of the HPCS pump motor after one hour without isolation of the break. Although it is unlikely the break could be isolated quickly, the WS pumps could be tripped quickly, which may reduce the flow out of the break and may slow the accumulation of water in the room. The magnitude of this effect is uncertain, so no credit is taken for this operator action and core damage frequency estimates for this location are not reduced.

25. Section 4.6.1, CET IB Station Blackout, discusses manually initiated containment venting during station blackout (SBO) as per procedural guidance given in Clinton 4411.06. Further, Section 4.6.2.8 states that the human error probability (HEP) for failure to vent containment is 0.25. However, Section 3 discussion of HRA performed for operator actions does not identify containment venting as one of the post-initiator human events considered in the analysis. Please explain what methodology was used to model the operator action credited in the CETs. Include in your response, by way of example, the quantification performed to derive the 0.25 HEP.

The containment venting HEP was determined by screening as described in the answer to question 17. The factors included in the screening flow chart and tables for this event include the following:

Manual alignment of a System
Cannot be completed from the Control Room
Area is accessible
Not a practiced task
Task is proceduralized
Task is accomplished in the Fuel and/or Auxiliary Buildings
Task is complex (more than 10 steps)
Greater than 45 minutes are available to accomplish

As a point of sensitivity, if venting failure HEP on the SBO event tree were assumed to be 1.0, the containment over pressure failure frequency would increase by about 4.1E-7, and the large release frequency would change from 7.5E-7 to 1.2E-6, to 4.5% of core damage events (See the answer to question 26).

Note: Section 3 of the IPE submittal addressed the front end analysis in accordance with NUREG 1335. The above information could have been included in section 4.6.2.8, but was omitted.

26. The frequency of major releases (release category III) at Clinton are reported in the submittal with several different values: 4.8E-8 in the submittal letter, 7.52E-7 on page 1-16, and 5.3E-7 in both Figures 1.4-5 and 4.7-1. Please explain this discrepancy and list the accident sequences leading to release category III.

The sequences leading to release category III are as follows:

TL52	SBO, no power recovery, no venting	3.74E-8
TL53	SBO, no power recovery, no venting	1.56E-9
TL54	SBO, CNMT not isolated	7.03E-7
AT15	ATWS, RX depressurization & injection successful, but no shutdown	1.02E-8
	Total major release (category III)	7.52E-7

These sequences are correctly identified on Table 4.7-1, Table 4.7-2, and Figures 4.5-1 through 4.5-6.

Both Figures 1.4-5 and 4.7-1 have Source Term II and Source Term III reversed. Source Term III, Large Release, totals 7.5E-7 per reactor year, or 59% of the containment failures (which constitute 5% of the core damage events).

The submittal letter is also wrong. As stated above, the expected frequency of a major release is 7.5E-7 per year. The expected frequency of a major containment structural failure (by overpressure) is 4.9E-8 (sequence TL54 is not a structural failure).

27. In characterizing radionuclide releases, Table 4.7-1 lists both sequences "AT01" and "AT15" as release mode "D4," which involved delayed containment failure after vessel failure. However, Figure 4.5-6 shows the same sequences characterized as release mode "C6," which involved containment failure before vessel failure. Please explain this apparent discrepancy.

Both sequences AT01 and AT15 are ATWS sequences in which the containment fails from excessive heat input before core damage because of the inability to sufficiently reduce power. Both Figure 4.5-6 and the description in article 4.6.1 are correct in identifying these sequences as C6, and Table 4.7-1 incorrectly identifies those sequences as D4. Figures 4.7-1 and 1.4-5 are also correct.

28. In describing corium-concrete interaction induced failure of the pedestal, Section 4.4.7.3, page 4-47 of the submittal, notes the following:

For a failure to occur, [pedestal] wall loading due to its own deadweight and . . . would have to generate shear stresses of sufficient magnitude . . . . A thorough review of the applicable containment structural drawings, as well as direct observations made during the Clinton primary containment walkdown, do not support the assumption that the potential shear loads would approach such levels.

It is not clear how you determined from reviewing the drawings and observations from the containment walkdown that shear loads would not approach failure limits. Please explain.

Because of the design of the basement and pedestal wall in Mark III containments, most of the concrete ablation, which is preferentially downward, is taken in the basemat.
A three step process was used during the IPE to evaluated the impact of core-concrete interaction, as listed below:

- Define the failure criteria for basemat and pedestal walls,

- Determine the length of time required for concrete attack by core debris released from the reactor vessel to exceed the most limiting failure criterion identified in the first step, and

- Based on the extent of concrete attack, select the appropriate treatment of containment failure caused by core-concrete interaction.

A computer code designated as 'Termite' assisted in calculating energy releases and reaction times during the erosion process. Termite is a FORTRAN computer program that was used

instead of manual calculations to solve an iterative equation which used chemical reaction equations to determine heat transfer rates and equilibrium times.

The results from the termite program run, for a coolable corium geometry, indicate that for the pedestal, the concrete erosion stops after approximately 3.8 days during which time 3.75 feet of the over 13 foot thick basemat has been eroded. In the sidewards direction, 1.88 feet of the basemat is eroded at the point of maximum downward erosion. This is not considered enough erosion to cause a loss of structural strength in the pedestal and result in vessel movement.

29. The IPE identified three paths of sufficient size to vent the containment: 1) to the spent fuel pool via the Residual Heat Removal System, 2) to the spent fuel pool via the Fuel Pool Cooling and Cleaning System, and 3) to the duct work through the Continuous Containment Purge System (Section 3.2.1.11, page 3-81).

GL 88-20, Supplement No. 1, Enclosure 2, recommends that the licensee consider improving the plant with a hardened vent system. Please indicate whether any of the above three vent paths constitutes a hardened vent. If none does, please describe the Illinois Power position on this recommendation.

All three of the selected paths comprise piping outside of the containment, although some contain ductwork inside the containment. The statement in section 3.2.1.11 is incorrect and should read as follows, "..is through the CCP system piping then through a hole cut into the piping (Figure 3.2-56)." None of the three paths constitute an unscrubbed release inside the buildings. One of the paths vents directly to outside so that impact to operator access to areas in the plant is minimized. The other two paths are scrubbed through the spent fuel pool to minimize impact on area accessibility.

No transient sequences with loss of containment heat removal (TW) are significant for core damage because all emergency cooling systems are capable of taking suction from a saturated suppression pool. Consequently, containment venting has no impact on core damage frequency. In only one containment event tree sequence does failure to vent lead to containment failure. If venting were to fail in this sequence, the containment over pressure failure frequency would increase by about 4.1E-7, and the large release frequency would change from 7.5E-7 to 1.2E-6, to 4.5% of core damage events (See the answer to question 25). Since this value is within the "Severe Accident Issue Closure guidelines" of NEI 91-04, Revision 1, for handling with severe accident management guidelines, there is no intent to perform any modification to address improvement of the containment venting capability.

30. Section 4.6.2.3, page 4-74 of the submittal, notes the following:

[S]eparate recovery factors are required for the cases in which core damage occurred at high or low pressure and for recovery after vessel failure.

Describe what recovery factors were used in the analysis.

BENAME	PROB.	DESCRIPTION
BACETBUS1H	0.1400	FAILURE TO RESTORE BUS 1M IN TIME TO PREVENT RPV FAILURE IN HIGH PRESS SEQS
BACETBUS1L	0.3000	FAILURE TO RESTORE BUS 1M IN TIME TO PREVENT RPV FAILURE IN LOW PRESS SEQS
BACETBUSGH	0.5000	FAILURE TO RESTORE BUS 1M IN TIME TO PREVENT CNMT FAILURE IN HIGH PRESS SEQS
BACETBUSGL	0.2300	FAILURE TO RESTORE BUS 1M IN TIME TO PREVENT CNMT FAILURE IN LOW PRESS SEQS
BCTHPMPREH	0.2400	FAILURE TO RECOVER FAILED HPCS IN TIME TO PREVENT RPV FAILURE IN HP SEQUENCES
BCTHPMPREL	0.4800	FAILURE TO RECOVER FAILED HPCS IN TIME TO PREVENT RPV FAILURE IN LP SEQUENCES
BCTHPMPRLL	0.1500	FAILURE TO RECOVER FAILED HPCS IN TIME TO PREVENT CNMT FAILURE
BCTHPMPSEH	0.2000	FAILURE TO RECOVER HPCSFAIL TO START IN TIME TO PREVENT RPV FAILURE - HP SEQS
BCTHPMPSEL	0.4000	FAILURE TO RECOVER HPCSFAIL TO START IN TIME TO PREVENT RPV FAILURE - LP SEQS
BCTHPMPSLL	0.1300	FAILURE TO RECOVER HPCSFAIL TO START IN TIME TO PREVENT CNMT FAILURE
BCTHPMVXEH	0.1600	FAILURE TO RECOVER FAILED HPCS VALVE IN TIME TO AVOID RPV FAILURE IN HP SEQS
BCTHPMVXEL	0.2500	FAILURE TO RECOVER FAILED HPCS VALVE IN TIME TO AVOID RPV FAILURE IN LP SEQS
BCTHPMVXLL	0.0500	FAILURE TO RECOVER FAILED HPCS VALVE IN TIME TO AVOID CNMT FAILURE
BCTHPTKZEH	0.1200	FAILURE TO RECOVER FROM FAILED SUCTION SWITCHOVER IN TIME TO AVOID RPV FAIL -HP
BCTHPTKZEL	0.2200	FAILURE TO RECOVER FROM FAILED SUCTION SWITCHOVER IN TIME TO AVOID RPV FAIL -LP
BCTHPTKZLL	0.0300	FAILURE TO RECOVER FROM FAILED SUCTION SWITCHOVER IN TIME TO AVOID CNMT FAILURE
BFCETBYPGH	0.5100	FAILURE TO RECOVER FROM FW BYPASS IN TIME TO AVOID CNMT FAILURE IN HP SEQS
BFCETBYPGL	0.4300	FAILURE TO RECOVER FROM FW BYPASS IN TIME TO AVOID CNMT FAILURE IN LP SEQS
BFCETBYPSH	0.3500	FAILURE TO RECOVER FROM FW BYPASS IN TIME TO AVOID RPV FAILURE IN HP SEQS
BFCETBYPSL	0.4200	FAILURE TO RECOVER FROM FW BYPASS IN TIME TO AVOID RPV FAILURE IN LP SEQS
BFCETCSYGH	0.5000	FAILURE TO RECOVER IMPROPERLY RESTORED FW PUMP C IN TIME TO SAVE CNMT HP SEQS
BFCETCSYGL	0.2700	FAILURE TO RECOVER IMPROPERLY RESTORED FW PUMP C IN TIME TO SAVE CNMT LP SEQS
BFCETCSYHH	0.2600	FAILURE TO RECOVER FROM IMPROPERLY RESTORED FW PUMP C IN TIME TO SAVE RPV HP SE
BFCETCSYHL	0.4800	FAILURE TO RECOVER FROM IMPROPERLY RESTORED FW PUMP C IN TIME TO SAVE RPV LP SE
BFCETRECVH	0.9000	FAILURE TO RECOVER FAILED FW SYSTEM IN TIME TO AVOID RPV FAILURE IN HP SEQUENCES
BFCETRESTH	0.1970	FAILURE TO RESTART TRIPPED FW SYSTEM IN TIME TO AVOID RPV FAILURE IN HP SEQS
BGADSLONGA	0.8000	FAILURE TO RECOVER FROM OPERATOR FAIL TO BLOW DOWN RPV IN TIME TO SAVE RPV
BGADSLONGB	0.0004	UNCONDITIONAL FAILURE TO RECOVER FROM OPERATOR FAIL TO BLOW DOWN TO SAVE RPV
BHPCETRECH	0.8820	FAILURE TO RECOVER FAILED HPCS IN TIME TO SAVE RPV IN HP SEQUENCES
BHPCETRECL	0.9740	FAILURE TO RECOVER FAILED HPCS IN TIME TO SAVE RPV IN LP SEQUENCES
BHPCETREGH	0.9280	FAILURE TO RECOVER FAILED HPCS IN TIME TO SAVE CNMT IN HP SEQUENCES
BHPCETREGL	0.8600	FAILURE TO RECOVER FAILED HPCS IN TIME TO SAVE CNMT IN LP SEQUENCES
BLPCETRECH	0.5000	FAILURE TO RECOVER LP SYSTEMS IN TIME TO SAVE RPV IN HP SEQUENCES
BLPCETRECL	0.6700	FAILURE TO RECOVER LP SYSTEMS IN TIME TO SAVE RPV IN LP SEQUENCES
BLPCETREGH	0.4000	FAILURE TO RECOVER LP SYSTEMS IN TIME TO SAVE CNMT IN HP SEQUENCES
BLPCETREGL	0.3000	FAILURE TO RECOVER LP SYSTEMS IN TIME TO SAVE CNMT IN LP SEQUENCES]

31. Please provide the split fractions used and the justifications for the following containment event tree top events:

a) Reactor primary system depressurization,

Recovery for operator failure to depressurize the reactor following core damage to prevent reactor vessel failure was derived as follows.

It was assumed that the operator has 1.75 hours after core damage in which to act to depressurize before vessel failure. This is based on MAAP 3.0B analysis, which indicate that core damage occurs at one-half hour after the initiating event and vessel failure occurs at 2.6 hours after initiation with no injection. Twenty minutes (.33 hours) is allowed for the operator to align and initiate low pressure injection sources after depressurization.

Therefore, the number sought is the probability that the operator won't depressurize in 2.25 hours {P(T>2.25)}, given that he didn't depressurize in .5 hours {(P(T>.5)}.

P(T>.5) is given in Table 3.3-5 of the IPE submittal as 5E-4. This was derived as a diagnosis portion (1E-4) and a performance portion (4E-4). Of this total probability, only the diagnosis portion is time dependent. Adjusting the available time to 2.25 hours gives an estimated diagnosis failure probability of 2E-6, based on the lower bound curve of figure 7-1, p. 7-6 of NUREG/CR-4772.

P(T>2.25), therefore is 4E-4 + 2E-6 = 4.02E-4.

P(T>2.25 | T>.5), the probability that the operator won't depressurize in 2.25 hours, given that he didn't depressurize in .5 hours, is 4.02E-4 / 5E-4 = .80.

This recovery is applied to all cutsets which contain the event GADSMANSYW.

Quantifying the cutsets for the failure branch of the event tree yielded a result of essentially 0.8, leaving a fraction of 0.2 for the success branch.

b) Containment spray in event of pool bypass,

No "split fractions" were used for evaluating the containment spray failure. The fault tree solution for containment spray failure was used for the failure branch of the event tree. The "delete term" function was used for the success branch. In delete term, any cutset that appears in the failure branch is removed from the input, and the remaining cutsets form the success branch. This method was used, because there are strong dependencies between the capability for injection and the capability for containment spray because the Residual Heat Removal system is used for both functions. By carrying the cutset solution through the containment event trees, this dependency is implicitly included in the analysis.

c) Hydrogen gas control, and

As in containment spray, the fault tree solution for the Hydrogen Control System was used for the failure branch of the event tree.

d) Containment fails above suppression pool.

The equipment hatch and shell failure locations are above the suppression pool, and as such would result in a "scrubbed" release. Liner failures are more likely to occur above the suppression pool surface because the stainless steel liner in the suppression pool is more ductile than the carbon steel of which the rest of the liner is made, and the calculated radial containment wall deflections are larger at the mid-height of the containment compared to the suppression pool area. In addition, the number and complexity of mechanical penetrations below the suppression pool surface is less which would tend to make liner failure less likely in the suppression pool. To account for possible liner failure locations below the suppression pool surface, a conservative 20% of liner failures are assumed to be below the suppression pool surface, as a first estimate. Since liner failure makes up about 70% of the total containment failure probability, the probability that the containment fails below the suppression pool surface is assumed to be 0.14. This leaves 0.86 as the probability that the containment fails above the suppression pool.

32. As noted in Section 4.2.2, the IPE assumed that direct containment heating (DCH) was not a significant challenge to the containment integrity of the Clinton plant. This assumption was based mainly on calculations showing that, for core melt and vessel failure, DCH would not lead to suppression pool saturation and would cause only an increase of a few psi in containment pressure.

However, it is possible that a rapid pressurization from DCH could overcome the capability to depressurize through the suppression pool. This could cause a failure of the drywell, resulting in a suppression pool bypass, thus disabling the suppression pool as a possible mitigation system for DCH. Please provide the basis for your determination of whether or not the drywell would fail during DCH and, if it would fail, describe the location and the consequences of the failure. Specifically, what is the probability that the drywell would fail? Include the basis for your determination.

Failure modes of the drywell would be overtemperature and/or overpressure. The overtemperature mode of failure is considered in the Containment Event Trees. For the overpressure mode of failure, a bounding calculation shows that if all of the energy released from the vessel during a melt ejection scenario were conservatively transferred to the drywell atmosphere, the increase in pressure would be approximately 40 psi.

The pressure rise in the drywell was determined by transferring the energy released during a blowdown to the drywell atmosphere. One half of the mass of the core debris is assumed to be ejected from the vessel. The core debris includes the fuel, cladding, lower core plate, one half of the lower head, and miscellaneous steel. The energy released from the reactor vessel was assumed to not transfer to equipment or structures in the drywell. This energy includes the debris latent energy, the debris sensible energy, and the energy produced by zirconium oxidation and is assumed to transfer directly to the drywell atmosphere. The pressure rise in the drywell assumed

no mass transfer through the suppression pool and a heat-up of the drywell atmosphere to equilibrium with the corium.

Additional neglected conservatisms include the effect of the pedestal configuration with a proliferation of CRD hydraulic pipes that are built around shootout steel and a work platform. This configuration does not lend itself to allowing corium to flow out of a failed vessel without impinging upon obstacles within the pedestal. Since the pedestal openings for the CRD pipes are not on the floor and are filled as much as practicable with pipes, little corium, if any, could get through without impinging upon several pipes and support steel. The CRD cart opening allows more room for transport of corium than the CRD pipe openings, but there is support and shootout steel that the corium must flow around to reach the cart opening. A security door on the outside of the CRD cart opening would not provide much resistance to a vessel blowdown, however, the obstacles created by the material inside of the pedestal provide a lot of surface area for the deflection and deposition of corium. A more realistic calculation of drywell pressurization during a blowdown would include the large heat sink provided by the obstacles which would not allow all of the energy in the corium to be transferred to the drywell.

Ignoring the drywell heat sinks, the calculated value of a 40 psi increase is lower than the ultimate capacity of the drywell pressure retaining boundary of +63 psid. This is the basis for the determination that the drywell will not fail during this phenomenological event.

The item which limits the positive pressure retaining capability of the drywell is the drywell equipment hatch. The failure mechanism of the equipment hatch is the buckling of the spherical head.

33. As shown in Figures 4.5-2 and 4.6-5 for the SBO sequence "TL51," containment venting released a significant mass of hydrogen and caused a category II release. This venting would have prevented a possible hydrogen burn that could have caused a containment pressurization release leading to a category III release. Section 4.6.2.8, page 4-76 of the submittal, notes that, although venting was included in the appropriate procedures, it was not sequenced. Instead, the timing was left to the judgment of the individual operator. The IPE used a value of 0.25 for the HEP value for venting the containment. In light of the above, please provide the following:

a) Identification of the procedures,

Procedures that direct the operator when to vent the containment are EOP 6; "Primary Containment Control", and EOP 7; "Hydrogen Control".

b) Criteria used to decide whether to initiate venting,

Under EOP 6, the operator will vent after containment pressure exceeds that specified in Figure N, which uses suppression pool level and containment pressure as its criteria; and before containment pressure exceeds Figure O, which uses containment pressure and containment water level as its parameters. For suppression pool water level at normal levels, an operator could begin venting at about 3.75 psig, per Figure N (but would not be expected to start until a much higher

pressure). For containment water levels less than 54 feet, the operator must vent prior to exceeding 45 psig.

Under EOP 7, If containment hydrogen levels are above Figure R (a curve plotting containment hydrogen and containment pressure), the deflagration limit, or is unknown, then the operator is instructed to vent and purge the containment to lower containment hydrogen level below the deflagration limit, Figure R.

c) Other systems required in order for the operator to vent successfully,

The three largest vent pathways modeled in the PRA, of the six provided in the emergency procedures, use portions of the following systems:

Fuel Pool Cooling and Cleanup System (FC)
Residual Heat Removal System (RH)
Continuous Containment Purge (VR)

d) Information provided to the operator, which was used to decide whether or not to vent the containment (e.g., pressure level, hydrogen concentration, ability to use the vent),

The plant parameters used by the operator to determine the need to vent the containment are as follows:

Containment Pressure
Containment Hydrogen Level
Containment Water Level

e) Sensitivity of radionuclide release frequency on the HEP value used, and

Only one containment event tree accident sequence leads to containment failure if containment venting is unsuccessful. If venting were unavailable, i.e., an HEP of 1.0 for the containment venting operator action, the frequency of large release would increase from 7.5E-7 to 1.2E-6 per reactor year (from about 2.9% to about 4.5% of core damage events) (Please see the answer to question 25 also).

f) Sensitivity of the radiological release frequency, assuming that the operator fails to initiate venting.

See part e).

34. Figure 4.5-2 and Table 4.6-2 of the submittal show that the IPE assumed that containment recovery of AC power for SBO sequences was highly likely. This assumption led to the conclusion that there would be no containment failures and thus no radiological release for a significant fraction of the SBO sequences. Because this observation is inconsistent with the findings of many other PRAS, please provide the following:

a) Sensitivity of radionuclide release magnitude/frequency on the probability of containment AC power recovery,

If power is assumed to be not recoverable under heading E, "Late Power Recovery & Injection" on the Station Blackout (SBO) containment event tree, figure 4.5-2 of the IPE submittal, then sequences TL51, TL52, and TL53 would all increase by a factor of about 2.8. This would lead to an increase in frequency of containment failure by overpressure from 3.9E-8 to 1.1E-7 per year (up to 0.42% of core damage events). It would also lead to an increased frequency of large releases from 7.5E-7 (see question 26) to 8.2E-7 per year or 3.2% of core damage events.

In a worst case assumption, that power is never recovered once core damage has started (heading I on the SBO containment event tree), the containment failure fraction of core damage events and the large release fraction would both increase by another factor of about 7.7. Under this assumption, about 3% of core damage events would lead to containment over-pressure failure (non-ATWS) and about 17.8% of core damage events would lead to large releases.

b) Reasons for using significantly higher values for containment AC power recovery than those used in a level 1 recovery, and

As discussed in the answers to questions 8 and 9, CPS used time-phased recoveries for station blackout. Particularly the answers to questions 8.b. and 8.d. provide the derivations and the time intervals for the non-recovery probabilities of off-site power for both core damage and containment failure end states. Note that the numbers in table 4.6-2 (which is identical to table 3.3-10, reproduced in the answer to question 8) are the probabilities of non-recovery. In addition, the containment non-recovery probabilities are conditional on having not recovered previously. The cutsets representing the failure sequences (for example sequence TL54) on figure 4.5-2 would contain both recoveries multiplied together.

The non-recovery probability for the "Late Power Recovery" heading on figure 4.5-2 is based on recovery at approximately 13 hours. The thirteen hour interval was selected based on prevention of suppression pool bypass that eventually leads to containment failure. However, the uncertainty at this time frame and stage of an event does not warrant the detailed, time-phased recoveries used for the early injection. Based on figure 3.3 of NUREG-1032, there is an approximate order of magnitude difference in frequency of loss of off-site power for 13 hours versus a LOOP for two hours. Therefore, a conditional non-recovery failure probability of .1 was applied to the long-term power recovery at 13 hours.

c) Sensitivity of the radionuclide release magnitude/frequency, assuming that containment recovery of AC power is unsuccessful.

See answer to part a).

Attachment

Cutsets for Dominant Sequences

TLU1U3
TLULDD
T2U2UX1
T3U2UX1

Cutsets for Sequence TLU1U3

MODULE/EVENT NAME	DESCRIPTION	RATE	EXPOSURE	B.E. PROB.	MOD./CS. PROB.
1) TLU1U3					*5.24E-06
1) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.92E-07
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
2) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-07
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
AGABCCCDGB	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
3) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.05E-07
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
4) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.38E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
5) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.60E-08
IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	5.00E-04	
6) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.30E-08
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
ADABCCCCBC	FAILURE OF CB A B AND C TO CLOSE - COMMON CAUSE	3E-3	0.010000	3.00E-05	
7) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.12E-08
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
AVABCCCFNS	FANS VD01CA B AND C FAIL TO START - COMMON CAUSE	3E-4	0.094000	2.82E-05	
8) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.94E-08
A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
9) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.73E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
D12S1CCBYD	BATTERIES A B AND C FAIL FROM COMMON CAUSE	1E-6	0.044000	1.06E-06	
10) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.65E-08
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
XSX01CCCVO	COMMON CAUSE CHECK VALVE SX001A B&C FAILS TO OPEN	1.0E-4	0.250000	2.50E-05	
11) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.62E-08
A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
12) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.46E-08
AISDGCSTR	DIVISION 3 DIESEL FAILS TO START		6.31E-02	6.31E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.05E-03	
BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
13) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.25E-08
IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
14) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.18E-08
A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
AISDGASTR	DIVISION 1 DIESEL FAILS TO START		6.31E-02	6.31E-02	
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
15)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.18E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
16)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.15E-08
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AQABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
17)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.11E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
18)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.07E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
19)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.07E-08
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGHXCCMVO	COMMON CAUSE FAILURE FOR DG HX DISCHARGE VALVES A B&C	3.0E-3	0.007000	2.10E-05	
20)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.07E-08
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX14CCMVC	COM CAUSE WS TO SX A B&C VALVES FAIL TO CLOSE	3.0E-3	0.007000	2.10E-05	
21)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.01E-08
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVABCCCFNR	FANS VD01CA B AND C FAIL TO RUN - COMMON CAUSE	1E-5	0.086000	2.06E-05	
22)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.80E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
23)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.33E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-05	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
24)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.33E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-05	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
25)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
26)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-08
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
27)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-08
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01
28)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.25E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
29)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.12E-08
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04
30)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.12E-08
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04
31)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.12E-08
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04
32)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.12E-08
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04
33)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.05E-08
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
34)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.05E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	ADGACCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
35)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.05E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
36)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.05E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
37)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.05E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
38)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.01E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-05	2.00E-05
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	1.18E-01
39)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.01E-08
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-05
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-05	2.00E-05
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	1.18E-01
40)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.00E-08
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	1.56E-01
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01
41)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.97E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
42)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.88E-08
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
43)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.80E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
44)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	5.00E-04	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
45)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
46)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-08
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
47)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.62E-08
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGIX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
48)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
49)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
50)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-08
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	5.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	5.00E-04	
51)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
52)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
53)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-08
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
54)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-08
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
55)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-08
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	

	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
56)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.36E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.00E-01	5.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	5.027000	1.00E-03	
57)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-08
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
58)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
59)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.00E-01	5.00E-01	
60)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
61)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
62)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-08
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
63)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
64)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-08
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
65)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-08
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		9.90E-03	9.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
66)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-08
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
67)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
68)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
69)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.09E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	5.63E-05	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	5.63E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPLY FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
70)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.09E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	6.63E-05	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	2.63E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
71)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.09E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	6.63E-05	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
72)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.09E-08
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	2.63E-05	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
73)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.06E-08
	XIST5XDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XIST5XDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	2.63E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
74)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.05E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
75)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.01E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
76)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.95E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	5.63E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
77)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.95E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	5.63E-05	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
78)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.95E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	6.63E-05	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
79)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.58E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	6.63E-05	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
80)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.58E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	6.63E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01
81)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.60E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
82)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.60E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
83)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.60E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
84)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.60E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
85)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.56E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
86)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.56E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
87)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.41E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
88)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.41E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
89)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.36E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	1.10E-03
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01
90)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.23E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01
91)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 9.29E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
92)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.20E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
93)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.14E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
94)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.99E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	IST-83			6.00E-03	6.00E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
95)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.99E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	IST-85			6.00E-03	6.00E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
96)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.91E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
97)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.89E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
98)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.74E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
99)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.74E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
100)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.74E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
101)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.66E-09
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
102)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.66E-09
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
103)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.66E-09
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
104)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.66E-09
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
105)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.47E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
106)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.41E-09

	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-05	1.08E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
107)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.43E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.31E-05	5.31E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
108)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.43E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
109)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.08E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
110)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.08E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
111)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.06E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
112)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.98E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
113)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.98E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
114)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.98E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXCIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
115)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.92E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-05	5.00E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
116)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.80E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
117)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.80E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
118)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.68E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
119)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.68E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04		
120)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.68E-09	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04		
121)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.64E-09	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05		
122)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.64E-09	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05		
123)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.64E-09	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05		
124)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.64E-09	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05		
125)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.63E-09	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03		
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01		
126)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.52E-09	
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02		
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02		
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	BDGCCU13R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01		
127)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.43E-09	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04		
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01		
128)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.39E-09	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01		
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04		
129)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.19E-09	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	BDGDIV3U3R			1.00E-01	1.00E-01		
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03		
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01		
130)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.07E-09	
	DC71S1ASSO	STATIC XFER SWITCH C71S001A FAILS OPEN	1E-3	1.000000	1.00E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04		
131)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.10E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04		
132)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.08E-09	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04		
133)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
134)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03		
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
135)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09	

	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
136)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
137)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
138)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
139)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
140)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.01E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
141)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.93E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.76E-04	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	1.40E-03	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
142)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.90E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCCBC	FAILURE OF CB A, B AND C TO CLOSE - COMMON CAUSE	3E-3	0.010000	3.00E-02	
143)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.88E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
144)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.88E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
145)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.90E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		3.41E-02	3.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
146)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.90E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		3.41E-02	3.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
147)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.87E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
148)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.87E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	

	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.78E-01	1.78E-01	
149)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.85E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
150)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.85E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
151)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.85E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
152)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.75E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.00E-01	5.00E-01	
153)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.75E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.00E-01	5.00E-01	
154)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.74E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
155)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.74E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
156)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.74E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
157)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.53E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.23E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
158)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.52E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
159)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.48E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCFNS	FANS VD01CA B AND C FAIL TO START - COMMON CAUSE	3E-4	0.094000	2.82E-05	
160)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.32E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
161)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.28E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
162)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.28E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
163)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.20E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
164)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.16E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
165)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.15E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
166)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.15E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
167)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.15E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
168)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.15E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
169)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.11E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
170)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.06E-09
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.022100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
171)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.06E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-83			6.00E-03	6.00E-03	
172)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.06E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-85			6.00E-03	6.00E-03	
173)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.05E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
174)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.05E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
175)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.06E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		3.41E-02	3.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	

	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START			2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00E-01	
176)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	6.06E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING			3.41E-02	3.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE			1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START			2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00E-01	
177)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.99E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM			5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE			0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM			7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST		3E-6	1.900000	5.70E-06	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM			5.00E-01	5.00E-01	
178)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.87E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI			1.28E-01	1.28E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST		3E-6	1.900000	5.70E-06	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM			5.00E-01	5.00E-01	
179)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.82E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM			5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM			7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE			0.004220	4.22E-03	
180)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.82E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE			0.002200	2.20E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM			5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM			7.18E-01	7.18E-01	
181)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.81E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE			1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE		3.76E-4	1.00	3.76E-04	
182)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.75E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE			0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	XSX01CCCVO	COMMON CAUSE CHECK VALVE SX001A B&C FAILS TO OPEN		1.0E-4	1.250000	1.25E-04	
183)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.73E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START			2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES		2E-3	0.085000	1.70E-04	
184)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM			5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE			0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM			7.18E-01	7.18E-01	
185)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.61E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE			1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE			0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
186)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.61E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE			1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE			0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
187)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.52E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	D12SJCCBYD	BATTERIES A B C AND D FAIL FROM COMMON CAUSE		1E-6	0.006500	1.56E-07	
188)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.45E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START			2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE			0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST		3E-6	1.900000	5.70E-06	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM			5.00E-01	5.00E-01	
189)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	5.41E-09

	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
190)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.41E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
191)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.41E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
192)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.41E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
193)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.41E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
194)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		2.26E-02	2.26E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
195)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		2.26E-02	2.26E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
196)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.35E-09
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
197)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.32E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-83			6.00E-03	6.00E-03	
198)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.32E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-85			6.00E-03	6.00E-03	
199)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-83			6.00E-03	6.00E-03	
200)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-85			6.00E-03	6.00E-03	
201)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.29E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
202)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.21E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	

	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYSTSYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
203)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.20E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	IST-83			6.00E-03	6.00E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		2.00E-01	2.00E-01	
204)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.20E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	IST-85			6.00E-03	6.00E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		2.00E-01	2.00E-01	
205)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.17E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
206)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.13E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-83			6.00E-03	6.00E-03	
207)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.13E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-85			6.00E-03	6.00E-03	
208)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.11E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
209)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.11E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
210)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.10E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
211)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.03E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
212)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.03E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
213)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
214)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
215)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.03E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.00700	7.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
216)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.03E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.60E-02	7.60E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
217)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.01E-09
	A1STDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.00350	3.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
218)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.01E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-03	
	A1STDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.00350	3.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
219)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.97E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.00650	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.06000	1.80E-04	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
220)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.93E-09
	A1STDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
221)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.93E-09
	A1STDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
222)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.90E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.00650	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.00000	1.18E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		1.00E-01	1.00E-01	
223)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.88E-09
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.00460	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCCBC	FAILURE OF CB A B AND C TO CLOSE - COMMON CAUSE	3E-3	0.01000	3.00E-05	
224)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.87E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.03100	9.30E-05	
225)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.87E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.03100	9.30E-05	
226)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.85E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-03	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-03	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.00000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
227)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.85E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.01000	2.00E-04	
228)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.85E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	5.00E-04	
229)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.83E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.007500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
230)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.83E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.007500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX14CCMVC	COM CAUSE WS TO SX A B&C VALVES FAIL TO CLOSE	3.0E-3	0.007000	3.50E-03	
231)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.83E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.007500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGHXCCMVO	COMMON CAUSE FAILURE FOR DG HX DISCHARGE VALVES A B&C	3.0E-3	0.007000	2.10E-05	
232)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.74E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.007500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCFNR	FANS VD01CA B AND C FAIL TO RUN - COMMON CAUSE	1E-5	0.086000	8.60E-06	
233)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.75E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
234)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.75E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
235)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.75E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
236)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.75E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.005100	6.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
237)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.75E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
238)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.75E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
239)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.70E-09
	IST-41			2.74E-03	2.74E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
240)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.67E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	IST-83			6.00E-03	6.00E-03	
241)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.67E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	IST-85			6.00E-03	6.00E-03	
242)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.59E-09
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCFNS	FANS VD01CA B AND C FAIL TO START - COMMON CAUSE	3E-4	0.094000	2.82E-05	
243)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	7.89E-03	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-01	1.00E-01	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
244)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	7.89E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-01	1.00E-01	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
245)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-03	
246)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-03	
247)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-03	
248)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-03	
249)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-03	
250)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.49E-09
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-03	
251)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.48E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	2.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
252)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.48E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	2.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
253)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.45E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.042500	8.50E-05	
254)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.42E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	2.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
255)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.42E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
256)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.42E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
257)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.42E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
258)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.42E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
259)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.42E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
260)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.39E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYSTSYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
261)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.40E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.005500	5.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
262)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.34E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
263)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.26E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
264)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.26E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
265)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.26E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
266)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.26E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
267)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.24E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.35777	1.34E-04	
268)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.16E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.79E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
269)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
270)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
271)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
272)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMG	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
273)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
274)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
275)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
276)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
277)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.10E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
278)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.09E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	

	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
279)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.04E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.002600	2.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
280)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.96E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		2.32E-03	2.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
281)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.96E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		2.32E-03	2.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
282)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.94E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-05	5.41E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	5.00E-01	
283)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.94E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-05	5.41E-05	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	5.00E-01	
284)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.91E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
285)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.91E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
286)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.91E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
287)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.91E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
288)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.89E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.62E-02	1.62E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
289)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.89E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.62E-02	1.62E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
290)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.86E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.002600	2.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
291)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.82E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-83			6.00E-03	6.00E-03	
292)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.82E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-35			6.00E-03	6.00E-03	
293)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.82E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-83			6.00E-03	6.00E-03	
294)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.82E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-85			6.00E-03	6.00E-03	
295)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.78E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
296)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.78E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		3.00E-01	3.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
297)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.77E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
298)	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-02	5.26E-02	3.76E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.26E-01	7.26E-01	
	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	
	AP1LOOPBSD	LOSS OF ALL OFF-SITE POWER (RAT & ERAT)		0.000230	2.30E-04	
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
299)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
300)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
301)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
302)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
303)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
304)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
305)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	ADG01KCDGK	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	2.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
306)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.72E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.3377	1.27E-04	
307)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.67E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.53E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
308)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.67E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.53E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.53E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
309)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.67E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
310)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.67E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
311)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.66E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.18E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
312)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.53E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
313)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.66E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
314)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
315)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
316)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	

317)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
318)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
319)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
320)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
321)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
322)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.61E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	2.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
323)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.60E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
324)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.60E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
325)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.59E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
326)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
327)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.57E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
328)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.57E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
329)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.031000	9.30E-05	
330)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.57E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14BCCCMVC	COM CAUSE VV TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
331)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.57E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.031000	9.30E-05	
332)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.54E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
333)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.55E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
334)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.55E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
335)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.54E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
336)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.51E-09
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-03	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
337)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.48E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
338)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.48E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
339)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.48E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
340)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.48E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
341)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.48E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
342)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.48E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	

	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
343)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.47E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.18E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
344)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.45E-09
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	DDCOTECBYM	BATTERY D1E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
345)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.42E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
346)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.42E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
347)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.42E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
348)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.41E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
349)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.41E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
350)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.41E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
351)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.41E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
352)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.40E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.18E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
353)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.35E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.56E-01	3.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
354)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.36E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-83			6.00E-03	6.00E-03	
355)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.36E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-85			6.00E-03	6.00E-03	
356)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.36E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-83			6.00E-03	6.00E-03	
357)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.36E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	IST-85			6.00E-03	6.00E-03	
358)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.33E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.088800	8.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
359)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
360)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.31E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
361)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.32E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	DDC01EC8YM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
362)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.056300	5.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
363)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.056300	5.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
364)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
365)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
366)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		2.90E-03	2.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
367)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
368)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
369)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
370)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.29E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
371)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.29E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
372)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.29E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
373)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.27E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
374)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.26E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.042500	8.50E-05	
375)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.22E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
376)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.22E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
377)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.23E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
378)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
379)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
380)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.21E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.00E-01	5.00E-01		
381)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.21E-09	
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.31E-02	2.31E-02		
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.39E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		5.61E-01	4.63E-01		
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		4.38E-01	2.00E-01		
382)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.18E-09	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02		
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02		
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
383)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.18E-09	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02		
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02		
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		1.88E-02	1.88E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
384)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.17E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.23E-03		
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.23E-03		
	IST-41			3.14E-03	3.14E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
385)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.15E-09	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04		
386)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.16E-09	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.39E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		5.61E-01	4.63E-01		
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		4.38E-01	2.00E-01		
	ADGBCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04		
387)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.16E-09	
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.39E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		5.61E-01	4.63E-01		
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		4.38E-01	2.00E-01		
	ADGACCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04		
388)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.16E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02		
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02		
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01		
389)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.16E-09	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02		
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02		
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01		
390)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.15E-09	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02		
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03		
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01		
391)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.15E-09	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.39E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		5.61E-01	4.63E-01		
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03		
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01		
392)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.14E-09	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.39E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		5.61E-01	4.63E-01		
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05		
393)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.14E-09	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.39E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		5.61E-01	4.63E-01		

	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.031000	9.30E-05	
394)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.14E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14BCCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
395)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.14E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
396)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.14E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
397)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.14E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.031000	9.30E-05	
398)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.13E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900010	5.05E-03	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
399)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.11E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
400)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
401)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
402)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.08E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	D1DC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
403)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.05E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
404)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.06E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
405)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.06E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
406)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.05E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
407)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.05E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	

	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
408)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.05E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		5.26E-03	5.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
409)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
410)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
411)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
412)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
413)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
414)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
415)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
416)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
417)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
418)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.03E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
419)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.99E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007000	1.90E-03	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	

420)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.99E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
421)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.99E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
422)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.99E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
423)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.89E-09
	DC71S1ASSO	STATIC XFER SWITCH C71S001A FAILS OPEN	1E-3	1.000000	1.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.0E-01	1.00E-01	
424)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
425)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
426)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
427)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
428)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
429)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
430)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
431)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.5E-1	3.5E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.0E-01	5.00E-01	
432)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.86E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
433)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.86E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
434)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.86E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
435)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.86E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
436)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.87E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-05	5.27E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.042500	8.50E-05	
437)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.83E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-05	1.08E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-05	5.49E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
438)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.83E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-05	1.08E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-05	5.49E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
439)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.83E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
440)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.78E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IST-41			2.14E-03	2.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-05	5.49E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
441)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.78E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	IST-41			2.14E-03	2.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-05	5.49E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
442)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.76E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
443)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.76E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		1.66E-05	1.66E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
444)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.76E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
445)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.74E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	SISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.58E-01	1.58E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
446)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.73E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
447)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.73E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		3.3E-2	3.30E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
448)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.72E-09
	IST-41			5.14E-03	5.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.76E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
449)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.70E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.3E-2	3.30E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
450)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.70E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
451)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.68E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
452)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.69E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
453)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.69E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
454)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.69E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
455)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.69E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
456)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.68E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	IST-41			5.14E-03	5.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01	
457)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.69E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.3E-2	3.30E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	1.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
458)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.69E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.3E-2	3.30E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	1.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
459)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.68E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-05	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.61E-01	4.61E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	

	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01		
460)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.68E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.43E-02		
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.84E-05		
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.18E-01	7.18E-01		
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01		
461)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.68E-09	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02		
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.18E-01	7.18E-01		
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	7.3577	1.27E-03		
462)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.67E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03		
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
463)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.67E-09	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03		
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
464)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003400	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
465)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	HPXN026FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003400	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
466)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
467)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
468)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
469)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
470)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003400	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
471)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003400	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	7.56E-01		
472)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	5.31E-02		
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03		

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
473)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
474)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
475)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
476)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
477)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
478)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
479)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
480)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03		
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
481)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03		
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
482)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03		
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
483)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03		
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
484)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03		
485)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.31E-02	3.31E-02		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX0148MVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
486)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
487)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
488)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
489)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX0148MVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
490)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AP221B1C3O	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
491)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
492)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.64E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
493)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
494)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
495)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
496)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	6.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
497)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
498)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	

	FSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
499)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
500)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
501)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
502)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
503)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
504)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
505)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
506)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
507)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
508)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
509)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
510)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09

	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.38E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
511)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
512)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
513)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.57E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
514)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.56E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
515)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.56E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPXNO56FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
516)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.56E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
517)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.56E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
518)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.56E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
519)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.56E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
520)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.55E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		9.08E-02	1.08E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
521)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.55E-09
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
522)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.55E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
523)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.55E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
524)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.54E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
525)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
526)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
527)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.51E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.100000	3.30E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
528)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.51E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.100000	3.30E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
529)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.51E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.100000	3.30E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
530)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.51E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.100000	3.30E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
531)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.50E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
532)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.50E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
533)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.50E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
534)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.50E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
535)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.50E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTUTU3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
536)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-83			6.00E-03	6.00E-03	
537)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-83			6.00E-03	6.00E-03	
538)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-83			6.00E-03	6.00E-03	
539)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-83			6.00E-03	6.00E-03	
540)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.009800	9.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
541)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.45E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.013100	1.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
542)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.45E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IST-41			3.14E-03	3.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
543)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.43E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
544)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.43E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
545)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.43E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
546)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.42E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
547)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.42E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
548)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
549)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.0E-03	7.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
550)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
551)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.0E-03	7.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
552)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
553)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.39E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.0E-01	2.00E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
554)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.39E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.0E-01	2.00E-01	
555)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.6E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-02	1.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
556)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.4E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.3377	1.27E-04	
557)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.36E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.4E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.6E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
558)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.36E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.4E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.6E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
559)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.36E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.6E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
560)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.36E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.6E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.5E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.1E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
561)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.35E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
562)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.35E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	6.63E-03	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.23E-03	5.47E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.00650	6.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
563)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.35E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-05	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
564)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.35E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
565)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	6.63E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.00170	1.70E-03	
566)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	6.63E-03	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.00170	1.70E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
567)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.00790	7.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
568)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.00790	7.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
569)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.00300	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
570)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.00300	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
571)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
572)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
573)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
574)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
575)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
576)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
577)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
578)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
579)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
580)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
581)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
582)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
583)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.32E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
584)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
585)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.32E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
586)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.32E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
587)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
588)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
589)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
590)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
591)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
592)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
593)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
594)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
595)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
596)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	5.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGACCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
597)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	5.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGBCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
598)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		5.90E-03	5.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
599)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	5.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
600)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	

	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
601)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		3.47E-02	3.47E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
602)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
603)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
604)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
605)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
606)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	3.00E-06	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	1.00E-04	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
607)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		3.47E-02	3.47E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
608)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		3.47E-02	3.47E-02	
	ADGACCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
609)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.31E-02	3.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
610)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.31E-02	3.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		3.31E-02	3.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
611)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.31E-02	3.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		3.31E-02	3.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
612)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IST-83			6.00E-03	6.00E-03	
613)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IST-85			6.00E-03	6.00E-03	
614)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
615)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.26E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
616)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.26E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
617)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.26E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
618)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.26E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
619)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.25E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.031000	9.30E-05	
620)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.25E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
621)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.25E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.031000	9.30E-05	
622)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.25E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14BCCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
623)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
624)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
625)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
626)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
627)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
628)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		9.90E-03	9.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
629)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.24E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-03	1.66E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
630)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.24E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-03	1.66E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
631)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
632)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGIX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
633)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
634)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
635)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
636)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.23E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
637)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		2.26E-03	2.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
638)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		2.26E-03	2.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
639)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.20E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00E-01	
640)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.19E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START			2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE			1.66E-02	1.66E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI			5.40E-01	5.40E-01	
641)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.19E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START			2.31E-02	2.31-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE			1.66E-02	1.66-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI			5.40E-01	5.40-01	
642)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.19E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE			1.66E-02	1.66-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START			2.31E-02	2.31-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI			5.40E-01	5.40-01	
643)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.19E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE			1.66E-02	1.66-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START			2.31E-02	2.31-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI			5.40E-01	5.40-01	
644)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.19E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START			2.31E-02	2.31-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING			2.41E-02	2.41-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00-01	
	IST-83				6.00E-03	6.00-03	
645)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.19E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START			2.31E-02	2.31-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING			2.41E-02	2.41-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00-01	
	IST-85				6.00E-03	6.00-03	
646)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.19E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING			2.41E-02	2.41-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START			2.31E-02	2.31-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00-01	
	IST-83				6.00E-03	6.00-03	
647)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.19E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING			2.41E-02	2.41-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START			2.31E-02	2.31-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00-01	
	IST-85				6.00E-03	6.00-03	
648)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.18E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE			0.008800	8.80-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3		0.085000	1.70-04	
649)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.14E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM			5.46E-02	5.46-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM			7.56E-01	7.56-01	
	AQABCCCMPR	PUMPS D001PA B AND C FAIL TO RUN - COMMON CAUSE	3.0E-5		0.060000	4.32-05	
	B3DOCCU1UR	FAILURE TO RECOVER FROM COMMON CAUSE FAILURE OF DIESEL FUEL PUMPS WITH H			3.40E-02	3.40-02	
650)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.14E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM			5.00E-02	5.00-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE			0.007500	6.50-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM			7.18E-01	7.18-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC			2.00E-01	2.00-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3		0.027000	1.30-03	
651)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40-02	2.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE			0.007100	6.10-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00		3.76E-04	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
653)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
654)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
655)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
656)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
657)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
658)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
659)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.08E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	3.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		1.00E-01	1.00E-01	
660)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
661)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
662)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
663)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.21E-01	7.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
664)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	4.36E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
665)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-03	5.46E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	4.36E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
666)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.06E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.7E-02	5.71E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
667)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.06E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
668)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.06E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	XDIPREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	4.36E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
669)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.06E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	4.36E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
670)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.04E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
671)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.04E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
672)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.03E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
673)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.03E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
674)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.03E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
675)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.03E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
676)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.01E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGQ1KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
677)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.01E-09

	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.51E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.05E-03	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		1.00E-01	1.00E-01	
678)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.007100	5.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.51E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		1.00E-01	1.00E-01	
679)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		8.00E-02	8.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	4.18E-01	
	XSXABCCMPR	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO RUN	3.0E-5	0.053000	3.82E-05	
680)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IST-41			1.66E-03	1.66E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
681)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IST-41			1.66E-03	1.66E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
682)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		4.1E-02	2.41E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
683)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		4.1E-02	2.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
684)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.01E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYSTSYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	2.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
685)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.96E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XXSXV028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	8.000000	1.94E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
686)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.96E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	8.85E-02	1.70E-04	
687)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.96E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.36E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
688)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.96E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
689)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.94E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
690)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.93E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
691)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
692)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
693)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
694)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
695)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
696)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
697)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
698)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
699)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
700)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
701)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
702)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
703)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		3.00E-03	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
704)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPXNO56FSR	MISCALIBRATION OF HPCS FLOW TRANSMITTER		3.00E-03	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
705)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
706)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
707)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
708)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		3.00E-03	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
709)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XSXO14CMVC	MOV 1SXO14C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
710)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.91E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
711)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
712)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOJSTUIU3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
713)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
714)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
715)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
716)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.1E-3	3.31E-05	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	5.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.56E-01	
718)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.1E-2	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	5.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.56E-01	
719)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.85E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.80E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.56E-01	
720)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.85E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.80E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.56E-01	
721)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.85E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.1E-3	3.31E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-2	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-1	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
722)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.85E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		3.1E-2	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-2	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-1	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
723)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.84E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-2	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-1	7.18E-01	
724)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.83E-09
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
	B30OCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.2E-1	1.20E-01	
725)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	5.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.18E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-1	5.00E-01	
726)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.0E-1	2.00E-01	
	BDGDIV3U3R			1.0E-1	1.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
727)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.56E-01	
	AVLABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
728)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-2	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-1	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.18E-03	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-1	5.00E-01	
729)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.80E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.08E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-1	5.00E-01	
730)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.79E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	

	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
731)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.78E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-03	
732)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.78E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
733)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.76E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
734)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	1.68E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
735)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
736)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
737)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
738)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
739)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
740)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.76E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-05	
	IST-41			1.14E-03	1.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
741)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.76E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	IST-41			1.14E-03	1.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
742)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
743)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
744)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
745)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.75E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
746)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.3377	1.27E-04	
747)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
748)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.88E-03	7.88E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
749)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.73E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
750)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.73E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCCBC	FAILURE OF CB A AND B TO CLOSE - COMMON CAUSE	3E-3	0.011000	3.30E-05	
751)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
752)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
753)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
754)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
755)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
756)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
757)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
758)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-01	
759)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
760)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.72E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
761)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
762)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
763)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
764)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
765)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
766)	YL1OPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	

	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
767)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
768)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
769)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
770)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
771)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADOABCCMPS	PUMPS D001PA AND B FAIL TO START - COMMON CAUSE	3.0E-3	0.020000	6.00E-05	
772)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	IST-83			6.00E-03	6.00E-03	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
773)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	IST-85			6.00E-03	6.00E-03	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
774)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
775)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
776)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
777)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
778)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
780)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
781)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
782)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
783)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
784)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.59E-09
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
785)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.88E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
786)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.88E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
787)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
788)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
789)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
790)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP22TA1CBO	FAILURE OF CIRCUIT BREAKER 22TA1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
791)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		3.00E-03	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
793)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		3.00E-03	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
794)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP22IC1CBO	FAILURE OF CIRCUIT BREAKER 22IC1 TO OPEN (ERAT)	3E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
795)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
796)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		3.00E-03	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
797)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AP22IC1CBO	FAILURE OF CIRCUIT BREAKER 22IC1 TO OPEN (ERAT)	3E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
798)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
799)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
800)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
801)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		3.00E-03	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
802)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
803)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.00E-03	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
804)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		6.31E-03	6.31E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-03	2.46E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	XSX1738MVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
805)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.66E-01	1.66E-01	
	XSX0148MVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
806)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.66E-01	1.66E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
807)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.68E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		1.66E-01	1.66E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
808)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
809)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
810)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.67E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
811)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
812)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
813)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
814)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
815)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
816)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
817)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	

	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
818)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
819)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|F013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
820)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	PR|MAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
821)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|F019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
822)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.66E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
823)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		3.00E-02	3.00E-02	
	IR|SYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
824)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	PR|MAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
825)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
826)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|F013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
827)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|F019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
828)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.40E-02	5.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPBCCCGTX	COM CAUSE FAIL DIV 2&3 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
829)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.40E-02	5.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPACCCGTX	COM CAUSE FAIL DIV 1&3 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
830)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|SYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	2.63E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
832)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
833)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
834)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
835)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
836)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
837)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
838)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
839)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
840)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
841)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
842)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
843)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09

	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.40E-02	2.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.50E-01	7.50E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
844)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.40E-02	2.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.50E-01	7.50E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
845)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.62E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.40E-02	2.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.50E-01	7.50E-01	
846)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.62E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.40E-02	2.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.50E-01	7.50E-01	
847)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.62E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.40E-02	2.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.50E-01	7.50E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
848)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.62E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.40E-02	2.40E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.50E-01	7.50E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
849)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
850)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.62E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
851)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.62E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
852)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AQABCCCMPS	PUMPS DO01A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	B3DOCCU1US	FAILURE TO RECOVER FROM COMMON CAUSE START FAILURE OF DIESEL FUEL PUMPS		1.20E-01	1.20E-01	
853)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
854)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	IST-114			4.80E-05	4.80E-05	
855)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.50E-01	7.50E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.005100	5.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
857)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
858)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
859)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	ADGBBCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
860)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.005500	5.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
861)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.58E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.001100	1.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
862)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.58E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		2.26E-03	2.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDO1STU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
863)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-83			6.00E-03	6.00E-03	
864)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-85			6.00E-03	6.00E-03	
865)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-83			6.00E-03	6.00E-03	
866)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	5.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	IST-85			6.00E-03	6.00E-03	
867)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.23E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.005500	5.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	5.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
868)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09

	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.857000	1.70E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
869)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.857000	1.70E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
870)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.56E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
871)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.55E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-03	1.08E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
872)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-03	1.08E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
873)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-03	1.08E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
874)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
875)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
876)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
877)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
878)	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	1.53E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.0	4.00E+00	
	AP1LOOPBSD	LOSS OF ALL OFF-SITE POWER (RAT & ERAT)		0.000230	2.30E-04	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.12E-04	
	B3DGCCU1U3	FAILURE TO RECOVER FROM COMMON CAUSE DIESEL FAILURE WITH HPCS AND RCIC F		1.00E-01	1.00E-01	
879)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	HPSYS1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
880)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	

	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
881)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLWS	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
882)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
883)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.6E-2	1.60E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.50E-01	
884)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.6E-2	1.60E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.9E-3	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.50E-01	
885)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.6E-2	1.60E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.9E-3	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.50E-01	
886)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.6E-2	1.60E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.50E-01	
887)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.0E-1	2.00E-01	
888)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.0E-1	2.00E-01	
889)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.0E-1	2.00E-01	
890)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.0E-1	2.00E-01	
891)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-05	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.50E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.0E-1	1.00E-01	
892)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.5E-1	7.50E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.0E-1	1.00E-01	
893)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-2	5.46E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
894)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
895)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
896)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
897)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
898)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
899)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.005500	5.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
900)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.005500	5.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
901)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1,2&3 DISCHARGE PRESS INST	3E-6	1.000000	3.00E-06	
	DC71S1CSSO	STATIC XFER SWITCH C71S001C FAILS OPEN	1E-3	1.000000	1.00E-03	
	DC71S1CSWH	OPERATOR MISPOSITIONS C71S001C BYPASS SWITCH		1.000000	1.00E+00	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
902)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
903)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IR|F013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
904)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
905)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IR|F019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
906)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
907)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDG8RUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
908)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IR|F019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
909)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IR|F013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
910)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	PR|MAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
911)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
912)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|F013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
913)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IR|F013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
914)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	PR|MAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
915)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
916)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	PR|MAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
917)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IR|SYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
918)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IR|F019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
919)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IR|F019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
920)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	PR|MAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
921)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
922)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		5.82E-05	5.82E-05	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
923)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.42E-02	5.42E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
924)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
925)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
926)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
927)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
928)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
929)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
930)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
931)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
932)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
933)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.10E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
934)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
935)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.00000	2.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.07000	2.10E-04	
936)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.03100	9.30E-05	
937)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.03100	9.30E-05	
938)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.03100	9.30E-05	
939)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.03100	9.30E-05	
940)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	X14BCCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.03100	9.30E-05	
941)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.03100	9.30E-05	
942)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.00460	4.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.00000	3.00E-06	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
943)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPR	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO RUN	3.0E-5	0.03000	9.00E-07	
944)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.45E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.00500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		5.00E-01	5.00E-01	
945)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.00460	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
946)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.00460	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
947)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.00650	6.50E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
948)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
949)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
950)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
951)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
952)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
953)	YLOOPXXTPX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
954)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
955)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
956)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
957)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
958)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.45E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
959)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
960)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
961)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
962)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.46E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
963)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.005500	5.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	6.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
964)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
965)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
966)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
967)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
968)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPBCCCGTX	COM CAUSE FAIL DIV 2&3 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
969)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPACCCGTX	COM CAUSE FAIL DIV 1&3 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
970)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
971)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
972)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
973)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
974)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09

	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	1.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	1.00E-03	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	7.78E-04	
975)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	1.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	1.00E-03	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	7.78E-04	
976)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-03	1.08E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
977)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-03	1.08E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
978)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	1.18E-01	
	XBPFLCCMVC	RHR HEAT EX BYPASS FLOW VALVE FAILS OPEN COMMON CAUSE	3.0E-3	0.070000	2.10E-04	
	BXBPFCCMVC	OPERATOR FAILS TO CORRECT IMPROPERLY OPENED RHR HX BYPASS VALVE		1.30E-01	1.30E-01	
979)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
980)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
981)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
982)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
983)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
984)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.31E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	4.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
985)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.42E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
986)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.41E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	IST-114			4.80E-05	4.80E-05	
987)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
988)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	5.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
989)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
990)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.40E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
991)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
992)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.40E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
993)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.37E-09
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		6.35E-03	5.29E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
994)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.37E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		6.35E-03	5.29E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
995)	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	1.36E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.00	1.00E+00	
	AP1LOOPBSD	LOSS OF ALL OFF-SITE POWER (RAT & ERAT)		0.000230	2.30E-04	
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	5.00E-04	
996)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.36E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
997)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.36E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	4.40E-03	
998)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.36E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	4.40E-03	
999)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.35E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	2.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF [redacted] AND RCIC		2.00E-01	2.00E-01	
1000)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.35E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1001)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.35E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1002)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.34E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XA5VHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.042500	8.50E-05	
1003)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.34E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	D0123CCBYD	BATTERIES A B AND D FAIL FROM COMMON CAUSE	1E-6	0.044000	1.06E-08	
1004)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.34E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1005)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.34E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1006)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
1007)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
1008)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.19E-03	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1009)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1010)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.25E-03	7.25E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDO1STU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1011)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.25E-03	7.25E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.49E-02	5.49E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDO1STU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1012)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1013)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	

	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1014)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
1015)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1016)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1017)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		9.90E-03	9.90E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1018)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1019)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		3.42E-02	3.42E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-03	
1020)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		3.42E-02	3.42E-02	
	IST-41			3.14E-03	3.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1021)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IST-41			3.14E-03	3.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1022)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.00E-02	1.00E-02	
	DC71S1ASSO	STATIC XFER SWITCH C71S001A FAILS OPEN	1E-3	1.000000	1.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1023)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1024)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1025)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1026)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1027)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1028)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1029)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
1030)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPR	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO RUN	3.0E-5	0.053000	1.59E-05	
1031)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.3717	1.27E-04	
1032)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1033)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1034)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
1035)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1036)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1037)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
1038)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1039)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
1040)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	

	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
1041)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.51E-02	2.51E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
1042)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.51E-02	2.51E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
1043)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
1044)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
1045)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYS12SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1046)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGABCCCBC	FAILURE OF CB A AND B TO CLOSE - COMMON CAUSE	3E-3	0.011000	3.30E-05	
1047)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGBCCCCBC	FAILURE OF CB B AND C TO CLOSE - COMMON CAUSE	3E-3	0.011000	3.30E-05	
1048)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGACCCCBC	FAILURE OF CB A AND C TO CLOSE - COMMON CAUSE	3E-3	0.011000	3.30E-05	
1049)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IST-41			3.14E-03	3.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1050)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
1051)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
1052)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1053)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1054)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09

	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.21E-01	5.21E-01		
1055)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03		
	IISTINJELT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04		
1056)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02		
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03		
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
1057)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02		
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03		
1058)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03		
1059)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03		
1060)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
1061)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	AP2218ICBO	FAILURE OF CIRCUIT BREAKER 2218 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03		
1062)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03		
1063)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
1064)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
1065)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03		
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
1066)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09	
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		3.41E-02	3.41E-02		
	AP22JA1CBO	FAILURE OF CIRCUIT BREAKER 22JA1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03		
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02		
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02		
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01		
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01		
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01		
1067)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09	

	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
1068)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
1069)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1070)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
1071)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
1072)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1073)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1074)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1075)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1076)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1077)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1078)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1079)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1080)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1081)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1082)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1083)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1084)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1085)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1086)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADOABCCMPS	PUMPS D001PA AND B FAIL TO START - COMMON CAUSE	3.0E-3	0.020000	6.00E-05	
1087)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADOACCCMPS	PUMPS D001PA AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.020000	6.00E-05	
1088)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADOBCCCMPS	PUMPS D001PB AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.020000	6.00E-05	
1089)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.45E-02	5.46E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
1091)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
1092)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
1093)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
1094)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
1095)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
1096)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
1097)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	X1S1SXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
1098)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	X1S1SXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.92E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
1099)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1100)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGASCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1101)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	

1	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1103)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1104)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.8E-01	2.18E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
1105)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1106)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1107)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1108)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1109)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1110)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1111)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.8E-01	2.18E-01	
1112)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.8E-01	2.18E-01	
1113)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1114)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1115)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1116)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1117)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1118)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1119)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1120)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1121)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP22IC1CBO	FAILURE OF CIRCUIT BREAKER 22IC1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1122)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.20E-01	5.20E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1123)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.20E-01	5.20E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1124)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		2.00E-01	5.00E-01	
1125)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.20E-01	5.20E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	3.40E-04	
1126)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDPACCCGTX	COM CAUSE FAIL DIV 1&3 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
1127)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.003800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
1128)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
1129)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
1130)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BOGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		3.60E-01	3.60E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-02	
1131)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BOGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		3.60E-01	3.60E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-02	
1132)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BOGDIV3U3R			1.00E-01	1.00E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
1133)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1134)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1135)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1136)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1137)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1138)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1139)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1140)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
1141)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-02	
1142)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
1143)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.73E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
1144)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	IST-41			3.14E-03	3.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	7.30E-03	
1145)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		3.00E-01	3.00E-01	
1146)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1147)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1148)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	3.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1149)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1150)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1151)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	3.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1152)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1153)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-114			4.80E-05	4.80E-05	
1154)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
1155)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.56E-01	4.56E-01	
1156)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
1157)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09

	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	7.18E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1158)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XDTCORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1159)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1160)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
1161)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISISXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
1162)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISISXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	7.18E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
1163)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	7.18E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
1164)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.19E-03	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	2.40E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1165)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	7.18E-01	
1166)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.18E-01	7.18E-01	
1167)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		3.26E-03	3.26E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		2.40E-01	5.40E-01	
1168)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		3.26E-03	3.26E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		2.40E-01	5.40E-01	
1169)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.000000	1.19E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1170)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.15E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.71E-02	5.71E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		3.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	5.00E-01	
	DCS001AIVD	FAILURE OF OUTPUT FROM INVERTER S001A	1E-4	1.000000	5.40E-03	
1171)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.40E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.40E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.23E-03	
	PT2RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.005100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.21E-01	5.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	3.00E-01	
1172)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		5.26E-03	5.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1173)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		5.26E-03	5.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1174)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		5.26E-03	5.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.40E-01	5.40E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
1175)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.15E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.40E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-03	5.31E-03	
	IST-4Y			2.14E-03	2.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1176)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.15E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-03	5.31E-03	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.40E-02	
	IST-4Y			2.14E-03	2.14E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1177)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.21E-01	4.21E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1178)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.40E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	3.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1179)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.40E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.20E-03	5.40E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	3.00E-01	
	DDC01ECBYM	BATTERY 01E OUT OF SERVICE - CORRECTIVE MAINTENANCE	3.76E-4	1.00	3.76E-04	
1180)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.35E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	XSX0148MVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
1181)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.35E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
1182)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.35E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.39E-01	2.37E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
1183)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.35E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.26E-03	5.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF [illegible] AND RCIC		2.00E-01	2.00E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
1184)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1185)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1186)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1187)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1188)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
1189)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
1190)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
1191)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		6.003000	6.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
1192)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
1193)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.14E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		6.003000	6.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
1194)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGDIV3U3R			1.00E-01	1.00E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1195)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		7.00E-02	7.00E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
1196)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
1197)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1198)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1199)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1200)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1201)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
1202)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
1203)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
1204)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1205)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		8.7E-2	8.70E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
	D1DC01EBYM	BATTERY 01E OUT OF SERVICE - PREVENTIVE MAINTENANCE	3.76E-4	0.33777	1.27E-04	
1206)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
1207)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGABCCCBC	FAILURE OF CB A AND B TO CLOSE - COMMON CAUSE	3E-3	0.011000	3.30E-05	
1208)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGBCCCCBC	FAILURE OF CB B AND C TO CLOSE - COMMON CAUSE	3E-3	0.011000	3.30E-05	
1209)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADGACCCCBC	FAILURE OF CB A AND C TO CLOSE - COMMON CAUSE	3E-3	0.011000	3.30E-05	
1210)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF [illegible] AND RCIC		2.00E-01	2.00E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
1211)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		3.00E-01	3.00E-01	
1212)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		3.00E-01	3.00E-01	
1213)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDOISTU1U3	FAILURE TO RECOVER FROM DIESEL FUEL PUMP FAILURES WITH HPCS AND RCIC FAI		5.20E-01	5.20E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.30E-04	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
1214)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
1215)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
1216)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1217)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1218)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.77E-05	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		1.00E-01	1.00E-01	
1219)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	BDGCCU1U3R	FAILURE OF TIME-PHASED DIESEL RECOVERY WITH FAILURE OF HPCS AND RCIC		2.00E-01	2.00E-01	
1220)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.056300	5.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-03	5.31E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1221)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.056300	5.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.079000	7.90E-02	
	AISTDGBSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-03	5.31E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
1222)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.10E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.079000	7.90E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

12	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.10E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE	7.90E-03	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
1224)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.10E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT	0.007900	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
1225)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.10E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	XQ2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT	0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
1226)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.10E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT	0.007900	7.90E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
1227)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.10E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	

Cutsets for Sequence TLULDD

MODULE/EVENT NAME	DESCRIPTION	RATE	EXPOSURE	B.E. PROB.	MOD./CS. PROB.
1) TLULDD					*4.59E-06
1) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.04E-07
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
2) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-07
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
YDG1R01DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.900000	9.00E-01	
YDG2R01DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.900000	9.00E-01	
YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
3) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.91E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
YDG1R01DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.900000	9.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
4) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.48E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
B3DGCCDDR4	FAILURE TO RECOVER IN FOUR HOURS FROM COMMON CAUSE FAILURE OF THREE DIES		5.00E-02	5.00E-02	
5) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.33E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
6) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.42E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
YDG1R01DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.900000	9.00E-01	
YDG2R01DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.900000	9.00E-01	
YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
7) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.75E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		2.00E-01	2.00E-01	
8) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.57E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AVABCCCDMO	DAMPERS VD01YA B AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.024000	7.20E-05	
YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
YDG1R01DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.900000	9.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
9) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.48E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
ADABCCCMPS	PUMPS DO01A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
B3DGCCDDS4	FAILURE TO RECOVER IN FOUR HOURS FROM COMMON CAUSE DIESEL FUEL PUMP STAR		1.90E-01	1.90E-01	
10) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.06E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
ADABCCCCBC	FAILURE OF CB A B AND C TO CLOSE - COMMON CAUSE	3E-3	0.010000	3.00E-05	
YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
11) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.87E-08
YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
AVABCCCFNS	FANS VD01CA B AND C FAIL TO START - COMMON CAUSE	3E-4	0.094000	2.82E-05	
YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
12) YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.75E-08
A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.90E-03	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
13)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.55E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX01CCCVO	COMMON CAUSE CHECK VALVE SX001A B&C FAILS TO OPEN	1.0E-4	0.50E00	2.50E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
14)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025E00	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025E00	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
15)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.41E-08
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.90E-03	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
16)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.26E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.90E-03	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02E00	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99E00	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99E00	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.505E00	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
17)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025E00	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
18)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025E00	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
19)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.17E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.00E00	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
20)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.14E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGHXCCMVO	COMMON CAUSE FAILURE FOR DG HX DISCHARGE VALVES A B&C	3.0E-3	0.007E00	2.10E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
21)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.14E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX14CCMVC	COM CAUSE WS TO SX A B&C VALVES FAIL TO CLOSE	3.0E-3	0.007E00	2.10E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
22)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCFNR	FANS VD01CA B AND C FAIL TO RUN - COMMON CAUSE	1E-5	0.005E00	5.06E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80E-01	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80E-01	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045E00	4.50E-02	
23)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.04E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.21E-02	5.21E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.42E-05	2.42E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	

	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
24)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.95E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		6.31E-05	6.31E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.00E-02	5.00E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		7.18E-01	7.18E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
25)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		8.4E-2	8.40E-02	1.84E-08
	ADABCCCCBC	FAILURE OF CB A B AND C TO CLOSE - COMMON CAUSE	3E-3	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.010000	3.00E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029000	5.98E-02	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	9.90E-01	
26)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.593000	5.94E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		8.4E-2	8.40E-02	1.83E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.00E-02	5.00E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		1.900000	2.05E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029000	5.98E-02	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.800000	8.00E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		0.593000	5.94E-01	
27)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		5.00E-01	5.00E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		8.4E-2	8.40E-02	1.73E-08
	AVABCCCFNS	FANS VD01CA B AND C FAIL TO START - COMMON CAUSE	3E-4	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.002400	2.88E-05	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029000	5.98E-02	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	9.90E-01	
28)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.593000	5.94E-01	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	8.40E-02	1.65E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		0.026300	2.63E-02	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		1.900000	2.05E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029000	5.98E-02	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	9.90E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		0.593000	5.94E-01	
29)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		5.00E-01	5.00E-01	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	8.40E-02	1.63E-08
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		0.026300	2.63E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		0.026300	2.63E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		4.21E-01	4.21E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
30)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	8.40E-02	1.63E-08
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-02	2.31E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		4.21E-01	4.21E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
31)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	8.40E-02	1.60E-08
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.00E-05	5.00E-05	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		7.18E-01	7.18E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
32)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	8.40E-02	1.60E-08
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		5.00E-05	5.00E-05	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		7.18E-01	7.18E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
33)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	8.40E-02	1.59E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		0.026300	2.63E-02	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		1.100000	1.19E-03	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		0.045000	4.50E-02	
34)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		5.00E-01	5.00E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		8.4E-2	8.40E-02	1.53E-08
				4.21E-01	4.21E-01	

	XSX01CCCVO	COMMON CAUSE CHECK VALVE SX001A,B&C FAILS TO OPEN	1.0E-4	0.250000	2.50E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
35)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.52E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-05	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
36)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	8.16E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	B3DGCCDDR1	FAILURE TO RECOVER IN ONE HOUR FROM COMMON CAUSE FAILURE OF 3 DIESELS TO		3.00E-02	3.00E-02	
37)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.21E-02	5.21E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.21E-02	5.21E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
38)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCCBC	FAILURE OF CB A B AND C TO CLOSE - COMMON CAUSE	3E-3	0.010000	3.00E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
39)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.45E-08
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
40)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
41)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
42)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.63E-05	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
43)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCFNS	FANS VD01CA B AND C FAIL TO START - COMMON CAUSE	3E-4	0.024000	7.20E-06	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
44)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
45)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-08
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
46)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-08
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
47)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.36E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
48)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.36E-08
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
49)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.34E-08
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
50)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.34E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
51)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.34E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
52)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-08
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
53)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.31E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
54)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGHXCCMVO	COMMON CAUSE FAILURE FOR DG HX DISCHARGE VALVES A B&C	3.0E-3	0.007000	2.10E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
55)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX14CCMVC	COM CAUSE WS TO SX A B&C VALVES FAIL TO CLOSE	3.0E-3	0.007000	2.10E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	

	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
56)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	AVABCCCFNR	FANS VD01CA B AND C FAIL TO RUN - COMMON CAUSE	1E-5	1.500000	3.06E-02	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
57)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.075000	4.50E-02	
58)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	XSX01CCCVO	COMMON CAUSE CHECK VALVE SX001A B&C FAILS TO OPEN	1.0E-4	0.250000	2.50E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
59)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-2	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-1	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
60)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	1.700000	3.38E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	B3DGCCDDR1	FAILURE TO RECOVER IN ONE HOUR FROM COMMON CAUSE FAILURE OF 3 DIESELS TO		3.0E-2	3.00E-02	
61)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-08
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-1	5.00E-01	
62)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-2	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-1	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
63)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.0E-2	1.00E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.075000	4.50E-02	
64)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-08
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.075000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-1	5.00E-01	
65)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.08E-08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-2	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-1	4.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-1	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
66)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.08E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
67)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.06E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.18E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
68)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.04E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGHXCCMVO	COMMON CAUSE FAILURE FOR DG HX DISCHARGE VALVES A B&C	3.0E-3	0.007000	2.10E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
69)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.04E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX14CCMVC	COM CAUSE WS TO SX A B&C VALVES FAIL TO CLOSE	3.0E-3	0.007000	2.10E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
70)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.03E 08
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.023300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
71)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.03E-08
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.023300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
72)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.03E-08
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.023300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
73)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.03E-08
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.023300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
74)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.02E-08
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVABCCCFNR	FANS VD01CA B AND C FAIL TO RUN - COMMON CAUSE	1E-5	0.086000	5.06E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
75)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.01E-08
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
76)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.94E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.023300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.94E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-05	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-05	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.31E-01	7.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
78)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.80E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
79)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.80E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.31E-01	7.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
80)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.61E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-05	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
81)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.61E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-05	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
82)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.58E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.86000	5.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
83)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.49E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-05	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
84)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.20E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.90000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.05500	5.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
85)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.05E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.02700	1.30E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.05500	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
86)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	9.02E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-05	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-05	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.31E-01	7.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	

	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR	1.40E-01	1.40E-01	
87)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	9.02E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE	1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
88)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	9.02E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE	1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
89)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.73E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING	5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01	
90)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.73E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING	5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01	
91)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.61E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
92)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.61E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
93)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.61E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
94)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.44E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE	1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
95)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.44E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE	1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
96)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	8.42E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
97)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.26E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
98)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	8.26E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
99)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.92E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		3.1E-02	3.13E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
100)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.92E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
101)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.77E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
102)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.77E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
103)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.74E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
104)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.68E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
105)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.61E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
106)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.60E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
107)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.60E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
108)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.56E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-03	5.31E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-03	5.31E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
109)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.51E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	AGABCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
110)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.38E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
111)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.31E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
112)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.29E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
113)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
114)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.08E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
115)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	7.04E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
116)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.96E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-03	5.31E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	

	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.900E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	
117)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.40E-2	6.96E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		5.263E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.900E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	
118)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.96E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		5.263E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.900E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	
119)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.80E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.800E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.900E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.900E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	
120)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.82E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.900E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	
121)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.82E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.900E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	
122)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.80E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.900E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	
123)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.68E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		5.263E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		8.000E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.500E-02	
124)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.68E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		5.263E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		8.000E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.500E-02	
125)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.67E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	
	XDIC[illegible]SYM	DIV 1 DOWN FOR CORRECTIVE MAINT		7.900E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		8.000E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.500E-02	
126)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	6.67E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		7.900E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	

	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
127)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.63E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
128)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
129)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.63E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
130)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.61E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.059800	5.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.900000	9.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.4E-01	1.40E-01	
131)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.53E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		7.5E-02	7.58E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.1E-03	1.19E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-01	5.00E-01	
132)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.48E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
133)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.39E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
134)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.39E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
135)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.39E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.4E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
136)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.39E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
137)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.37E-09

	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
138)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.27E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	IST-83			6.00E-03	6.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
139)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.27E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	IST-85			6.00E-03	6.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
140)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.27E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
141)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.27E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
142)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.22E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	1.082000	1.08E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
143)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.20E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.052300	5.23E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.052300	5.23E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
144)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.15E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
145)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.19E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.052300	5.23E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		5.52680	5.58E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
146)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.19E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.052300	5.23E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
147)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.052300	5.23E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
148)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.19E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
149)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.11E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
150)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.07E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
151)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.02E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
152)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	6.02E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
153)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.87E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
154)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.82E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
155)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.82E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
156)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.82E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
157)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.81E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
158)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.69E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
159)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.63E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
160)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.62E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.34E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
161)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.62E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
162)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.022200	2.22E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
163)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
164)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.9E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
165)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.54E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-01	5.00E-01	
166)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.49E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-01	5.00E-01	
167)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.45E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.3E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
168)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.45E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-02	2.31E-02	

	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
169)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.43E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
170)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.43E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
171)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.36E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
172)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.36E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
173)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.36E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
174)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.34E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
175)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.32E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
176)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.18E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
177)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.16E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
178)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.01E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
179)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.00E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	

	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
180)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.00E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
181)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.00E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
182)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	5.00E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
183)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.97E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
184)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.97E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
185)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.94E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	3.700000	5.10E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
186)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.90E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-05	5.00E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
187)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
188)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
189)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
190)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
191)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
192)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
193)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
194)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.89E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
195)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.86E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGACCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
196)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.86E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
197)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.80E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
198)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.80E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
199)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.79E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
200)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.79E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BISIHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
201)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.78E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
202)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.78E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
203)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.78E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
204)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.71E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	5.00E-04	5.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
205)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.71E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	5.00E-04	5.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
206)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.71E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	5.00E-04	5.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
207)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.69E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.71E-02	5.71E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.31E-02	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
208)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.62E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISIHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
209)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.58E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.056300	5.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.052300	5.23E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
210)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.59E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.71E-02	5.71E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
211)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.59E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.71E-02	5.71E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
212)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.57E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
213)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
214)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.55E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
215)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.55E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
216)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.51E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	3.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
	BDGDIV3DR4			5.00E-02	5.00E-02	
217)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.50E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
218)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.50E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
219)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.47E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
220)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.44E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
221)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.41E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.034220	4.55E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
222)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.40E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.01C010	2.00E-02	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
223)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.39E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
224)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.39E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
225)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.39E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-01	2.31E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
226)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.39E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-01	2.31E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
227)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.30E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.061100	6.10E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
228)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.29E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.07900	7.90E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
229)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.29E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.50E-02	7.50E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
230)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.29E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.07900	7.90E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-01	2.31E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
231)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.29E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.07900	7.90E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-01	2.31E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.31E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
232)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.26E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.21E-01	2.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
233)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.23E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-83			6.00E-03	6.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
234)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.23E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-85			6.00E-03	6.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
235)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.22E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
236)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.22E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
237)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.19E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.35E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
238)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.19E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.35E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
239)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.08E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.56E-03	7.56E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		2.00E-01	2.00E-01	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
240)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.06E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGO1KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.21E-01	2.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
241)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.06E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.21E-01	2.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGO1KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
242)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.02E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
243)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.02E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
244)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.04E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
245)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.04E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-05	1.66E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
246)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.02E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
247)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.02E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		9.9E-03	9.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
248)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.02E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
249)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.02E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
250)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.99E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
251)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	4.00E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
252)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.93E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
253)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.91E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
254)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.91E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
255)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.90E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
256)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.85E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.18E-01	3.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
257)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.85E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
258)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.84E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	3.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
259)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.78E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
260)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.78E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
261)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.78E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
262)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.78E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	1ST-83			0.00E-03	0.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
263)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.78E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	3.05-03	
	IST-85			8.00E-03	8.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
264)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.77E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
265)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.77E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
266)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.76E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.25E-03	7.25E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
267)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.76E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.25E-03	7.25E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
268)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
269)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.74E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
270)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.73E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
271)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
272)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.70E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.009900	9.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	

	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
273)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.70E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
274)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.69E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
275)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	IST-83			6.00E-03	6.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
276)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.63E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	IST-85			6.00E-03	6.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
277)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.59E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
278)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.56E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
279)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.56E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
280)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.56E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
281)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.54E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
282)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.54E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
283)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.53E-09
	AISTDGBSIM	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-05	2.31E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
284)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.51E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
285)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.51E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
286)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.51E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
287)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.51E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
288)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.51E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
289)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.51E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
290)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.47E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.21E-02	5.21E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		6.10E-03	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
291)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.44E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
292)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.43E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPR	PUMPS DG01PA B AND C FAIL TO RUN - COMMON CAUSE	3.0E-5	0.060000	4.32E-05	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	B3DOCCDDR4	FAILURE TO RECOVER IN 4 HOURS FROM DIESEL FUEL OIL PUMP COMMON CAUSE RUN		7.80E-02	7.80E-02	
293)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.44E-09

	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
294)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.44E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
295)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.42E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-83			4.50E-03	4.50E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
296)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.42E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-85			6.00E-03	6.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
297)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.40E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
298)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.40E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
299)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.39E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.0263 00	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
300)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.38E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
301)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.38E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
302)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.35E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.0263 00	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.0263 00	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
303)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.35E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.0263 00	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.0263 00	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
304)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.35E-09

	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007200	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
305)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.32E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
306)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
307)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.32E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
308)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		6.10E-03	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
309)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.30E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		2.66E-03	2.66E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
310)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.30E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
311)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.500000	5.55E-03	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
312)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.23E-05	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
313)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.28E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.23E-05	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
314)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.25E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	5.23E-05	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
315)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.25E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
316)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.25E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
317)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.25E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
318)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.23E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
319)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.23E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
320)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.23E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
321)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.23E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
322)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.21E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
323)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.21E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
324)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.18E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
325)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.15E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
326)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.13E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
327)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.13E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
328)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.13E-09
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
329)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.13E-09
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
330)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.13E-09
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
331)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.13E-09
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
332)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.12E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	3.23E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
333)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.11E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.18E-01	3.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
334)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.11E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.18E-01	3.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	

	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
335)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.11E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.045500	9.50E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
336)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.10E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
337)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.10E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006700	6.70E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
338)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.09E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
339)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.09E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
340)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.09E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
341)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.09E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
342)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.09E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
343)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.09E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
344)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.05E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	IST-83			6.00E-03	6.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
345)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.05E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	IST-85			6.00E-03	6.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
346)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.04E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	2.00E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGDIV3DR4			9.00E-02	9.00E-02	
347)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.02E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
348)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.02E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
349)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	3.02E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
350)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.99E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
351)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.99E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
352)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.98E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		2.70E-03	2.70E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
353)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.98E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		7.90E-03	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
354)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.97E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
355)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.97E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A0G01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
356)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.98E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	3.10E-04	3.10E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		5.28E-02	5.28E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
357)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
358)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
359)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
360)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
361)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		7.90E-03	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
362)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		7.90E-03	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
363)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		7.90E-03	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
364)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.94E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		7.90E-03	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	
365)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.93E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02633	2.63E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.02700	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02680	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		9.90E-01	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		9.90E-01	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.93800	5.94E-01	

	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
366)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.93E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
367)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.93E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
368)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.89E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
369)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.89E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
370)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
371)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
372)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
373)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
374)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
375)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2IE-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	

	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
376)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
377)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
378)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.89E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
379)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.89E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
380)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
381)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
382)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.88E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		8.80E-03	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
383)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
384)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.83E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
385)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.83E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	

	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
386)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.83E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
387)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.82E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
388)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.82E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
389)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.82E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
390)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.82E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
391)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.77E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
392)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.77E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
393)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.76E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AGABCCCDGR	DG A B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.017000	3.40E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	B3DGCCDDR4	FAILURE TO RECOVER IN FOUR HOURS FROM COMMON CAUSE FAILURE OF THREE DIES		5.00E-02	5.00E-02	
394)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.75E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
395)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.75E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
396)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.74E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	5.60E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.900000	9.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
397)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.74E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	5.60E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
398)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.74E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	5.60E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.900000	9.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
399)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.72E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.35E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
400)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.71E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	5.60E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.900000	9.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
401)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
402)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.71E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
403)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	5.60E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
404)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.20E-03	7.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	5.60E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
405)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	

	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
406)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.67E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		5.0E-2	5.23E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	7.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGDIV3DR4			9.0E-2	9.00E-02	
407)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.67E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGDIV3DR4			9.0E-2	9.00E-02	
408)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.66E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.042200	4.22E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	3.55E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.08E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-1	5.00E-01	
409)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.65E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.08E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
410)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.65E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.08E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
411)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.63E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	5.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.9E-1	1.91E-01	
412)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.9E-1	1.91E-01	
413)	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	2.62E-09
	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7E+0	4.70E+00	
	AP1LOOPBSD	LOSS OF ALL OFF-SITE POWER (RAT & ERAT)		0.000230	2.30E-04	
	AGADCCCDGS	DG A B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-02	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
414)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-1	5.00E-01	
	BDGDIV3DR4			9.0E-2	9.00E-02	
415)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.08E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
417)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
418)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGQ1KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
419)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGQ1KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
420)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	ADGQ1KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
421)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGQ1KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
422)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGQ1K8DGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
423)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.61E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	ADGQ1KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
424)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.60E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.21E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	2.57E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
425)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.59E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
426)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.59E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.021100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
427)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.59E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
428)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.59E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
429)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.59E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
430)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.59E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
431)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.57E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01
432)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.57E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01
433)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.57E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01
434)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.56E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
435)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.56E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
436)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 2.55E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.19E-03	1.19E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02

	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
437)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.54E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.529800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
438)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.54E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
439)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
440)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
441)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
442)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
443)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
444)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
445)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
446)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	

	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
447)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.52E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
448)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.51E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
449)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
450)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
451)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGACCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
452)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14ACCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
453)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14BCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
454)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.49E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGBCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
455)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.48E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-03	5.41E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
456)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.48E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
457)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.46E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-03	5.41E-03	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	2.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	

	BDGDIV3DR4				9.00E-02	9.00E-02	
458)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.47E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE			1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE			1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE			0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS			0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS			0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS			0.045000	4.50E-02	
459)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.46E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST		3E-6	1.500000	3.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL			0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR			0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR			0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR			0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM			5.00E-03	5.00E-03	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES			5.38E-01	5.38E-01	
460)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.44E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE			0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM			5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM			7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL			0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR			0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR			0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR			0.593800	5.94E-01	
461)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.44E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM			5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM			7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE			0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL			0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR			0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR			0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR			0.593800	5.94E-01	
462)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.44E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING			2.41E-02	2.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE			0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS			0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS			0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS			0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS			1.91E-01	1.91E-01	
463)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.44E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING			5.41E-02	5.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE			0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS			0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS			0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS			0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS			1.91E-01	1.91E-01	
464)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.42E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START			5.31E-02	5.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS			0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS			0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS			0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES			5.38E-01	5.38E-01	
465)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.42E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START			5.31E-02	5.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS			0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS			0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS			0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES			5.38E-01	5.38E-01	
466)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.42E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START			5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS			0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS			0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS			0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES			5.38E-01	5.38E-01	
467)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR			8.4E-2	8.40E-02	2.42E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE			0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START			5.31E-02	5.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS			7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS			4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS			0.800000	8.00E-01	

	YDC2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
468)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.42E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.9E-3	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
469)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.42E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.9E-3	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
470)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.042300	2.32E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.9E-1	1.91E-01	
471)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.41E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085200	1.70E-02	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
472)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.40E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-02	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
473)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.99E-02	1.99E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
474)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.99E-02	1.99E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
475)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
476)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
477)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.079900	7.99E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
478)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.079900	7.99E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.30E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	

	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
479)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		6.263306	5.23E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
480)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
481)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
482)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
483)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
484)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.38E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
485)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.37E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
486)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.37E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
487)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.37E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
488)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.37E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
489)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.45-2	8.40E-02	2.37E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.03130	2.63E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.02700	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
490)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.36E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		4.26E-03	4.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.10000	7.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
491)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.45-2	8.40E-02	2.36E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.03130	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
492)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.36E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.03130	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
493)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.34E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
494)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.45-2	8.40E-02	2.34E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
495)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.35E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.00000	7.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BDGDIV3DR4			9.00E-02	9.00E-02	
496)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.33E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.00790	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
497)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.33E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.00790	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
498)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.33E-09

	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
499)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.33E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
500)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.33E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORR -TIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
501)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.31E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	3.10E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
502)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
503)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
504)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
505)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
506)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
507)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.042200	4.22E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
508)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.042200	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
509)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.29E-09

	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
510)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
511)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		8.71E-02	8.71E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
512)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
513)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		8.71E-02	8.71E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
514)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
515)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.28E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.004500	4.50E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
516)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.007200	7.21E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
517)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
518)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
519)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
520)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.27E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
521)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.26E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
522)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.26E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
523)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.24E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.21E-02	5.21E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
524)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.24E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
525)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.21E-02	5.21E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.61E-01	1.61E-01	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
526)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
527)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.61E-01	1.61E-01	
528)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085030	1.70E-04	

	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
529)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.21E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
530)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
531)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.80E-03	7.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
532)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.22E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
533)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.21E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
534)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.21E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	B3DOCCDDS1	FAILURE TO RECOVER IN ONE HOUR FROM COMMON CAUSE DIESEL FUEL PUMP START		2.00E-02	2.00E-02	
535)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.20E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
536)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
537)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.500000	2.05E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
538)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.01E-01	1.01E-01	
539)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09

	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
540)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
541)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
542)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
543)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
544)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	IST-85					
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		6.00E-03	6.00E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029800	2.98E-02	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	9.90E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		0.593800	5.94E-01	
545)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		5.00E-01	5.00E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		8.4E-2	8.40E-02	2.19E-09
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	4.21E-01	4.21E-01	
	IST-83			1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		6.00E-03	6.00E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029800	2.98E-02	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	9.90E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		0.593800	5.94E-01	
546)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		5.00E-01	5.00E-01	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		8.4E-2	8.40E-02	2.19E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-02	2.31E-02	
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.031000	9.30E-05	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
547)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		8.4E-2	8.40E-02	2.19E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-02	2.31E-02	
	XT4ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.031000	9.30E-05	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
548)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		8.4E-2	8.40E-02	2.19E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-02	2.31E-02	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.031000	9.30E-05	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
549)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	4.50E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		8.4E-2	8.40E-02	2.19E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-02	2.31E-02	
	XT4BCCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.031000	9.30E-05	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	8.00E-01	
				0.045000	4.50E-02	

550)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
551)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.19E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
552)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.15E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	3.00E-06	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
553)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.15E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
554)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.15E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
555)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.14E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
556)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.14E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
557)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.13E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
558)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.59E-03	7.59E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
559)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.59E-03	7.59E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
560)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	

	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
561)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
562)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
563)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
564)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
565)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX006CMVC	[illegible] VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
566)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
567)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
568)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
569)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
570)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
571)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
572)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
573)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
574)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
575)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
576)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
577)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	3.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800003	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800003	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
578)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.10E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	3.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800003	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800003	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
579)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.09E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800003	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
580)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.09E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800003	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
581)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.09E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	

	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
582)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.09E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
583)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.09E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
584)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.08E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
585)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.08E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
586)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.08E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
587)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
588)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.07E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTG1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
589)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		2.4E-2	8.40E-02	2.05E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
590)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.05E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
591)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.05E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	

	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
592)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.05E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISHPINJK	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
593)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.04E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
594)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.04E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
595)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.03E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
596)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.03E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
597)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.01E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
598)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.01E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
599)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
600)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
601)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.045000	8.50E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	

	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
602)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
603)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
604)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
605)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
606)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
607)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
608)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
609)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	2.00E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
610)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
611)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
612)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.99E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	

	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 12 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
613)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.7E-2	8.70E-02	1.99E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 12 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
614)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.7E-2	8.70E-02	1.99E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 12 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
615)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.98E-09
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.000000	3.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 12 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
616)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.97E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004226	2.55E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 12 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
617)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.97E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004226	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 12 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
618)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.95E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 12 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
619)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.94E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 12 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
620)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.94E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 12 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
621)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 12 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGDIV3DR4			9.00E-02	9.00E-02	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGDIV3DR4			9.00E-02	9.00E-02	
623)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XDTCORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	2.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
624)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	2.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
625)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
626)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	2.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
627)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
628)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.92E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
629)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.90E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	2.88E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
630)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.90E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	2.88E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
631)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.90E-09
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
632)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09

	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045300	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
633)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045300	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
634)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
635)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
636)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
637)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
638)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
639)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.89E-09
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
640)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.88E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045300	4.50E-02	
641)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045300	4.50E-02	
642)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.88E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	

	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
643)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.88E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.002200	2.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
644)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.88E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.002200	2.22E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
645)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.88E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.002200	2.22E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
646)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.025500	8.50E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.058800	5.88E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
647)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.82E-05	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
648)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.87E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.82E-05	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
649)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.050000	5.00E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
650)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.050000	5.00E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
651)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
652)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
653)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	

	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
654)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
655)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
656)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
657)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
658)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
659)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
660)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
661)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
662)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
663)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	2.50E-02	
664)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
665)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
666)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
667)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
668)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
669)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
670)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
671)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
672)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
673)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
674)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
675)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
676)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
677)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SY173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
678)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
679)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
680)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
681)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
682)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
683)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
684)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.86E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
685)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.85E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
686)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.85E-09

	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	3.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01
687)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.84E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
688)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.84E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
689)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.84E-09
	A2DG1CBDGM	DG01K3 OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
690)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.84E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
691)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.84E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
692)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.83E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		2.68E-03	2.68E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01
693)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.83E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01
694)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.83E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
695)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.82E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02

696)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
697)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
698)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01Y8DMO	FAILURE OF DAMPER VD01Y8 TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
699)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
700)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
701)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
702)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.82E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
703)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
704)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
705)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
706)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
707)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
708)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.81E-09
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
709)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.80E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	5.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
710)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.79E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
711)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.79E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004200	7.53E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	5.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	5.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
712)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.79E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004200	7.53E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	5.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	5.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
713)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.79E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	5.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
714)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.79E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	IST-41			3.24E-01	3.24E-01	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
715)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.78E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	5.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	B3DOCCDDS1	FAILURE TO RECOVER IN ONE HOUR FROM COMMON CAUSE DIESEL FUEL PUMP START		5.00E-02	5.00E-02	
716)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.78E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	5.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	5.90E-01	

	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
717)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.78E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-05	1.66E-05	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-05	2.31E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
718)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.78E-09
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.025000	2.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.0E-01	5.00E-01	
719)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
720)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
721)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
722)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMC	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
723)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
724)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
725)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	

	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	3.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
727)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
728)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
729)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
730)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.74E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
731)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.73E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
732)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.73E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	3.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
733)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.73E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	3.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
734)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
735)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	

	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
736)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
737)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
738)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
739)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
740)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
741)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		3.53E-02	3.53E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
742)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.80E-03	7.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
743)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
744)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
745)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	

	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
746)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.035800	3.58E-02	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
747)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.71E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
748)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
749)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
750)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.40E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
751)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.40E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
752)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGDIV3DR4			9.00E-02	9.00E-02	
753)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.69E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.3E-2	5.30E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGDIV3DR4			9.00E-02	9.00E-02	
754)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.67E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
755)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.67E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
756)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.67E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
757)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.67E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.007900	7.90E-03
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT	0.007900	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
758)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.67E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.007900	7.90E-03
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE	7.90E-03	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
759)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.67E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE	1.66E-02	1.66E-02
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01
760)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.67E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE	1.66E-02	1.66E-02
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01
761)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.66E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING	5.41E-02	5.41E-02
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-83		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
762)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.66E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING	5.41E-02	5.41E-02
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-85		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
763)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING	5.41E-02	5.41E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-83		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
764)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING	5.41E-02	5.41E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-85		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
765)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS	7.56E-03	7.56E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	3.38E-01	3.38E-01
766)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.66E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS	7.26E-03	7.26E-03
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.023300	2.33E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01

	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
767)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	6.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
768)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	6.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
769)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGACCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
770)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
771)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
772)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
773)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
774)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.65E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
775)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
776)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
777)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
778)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
779)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
780)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
781)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
782)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.64E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
783)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.025800	2.58E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
784)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.025800	2.58E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
785)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
786)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
787)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
788)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX0148MVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
789)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
790)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
791)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
792)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
793)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
794)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
795)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
796)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
797)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
798)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.63E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.33E-02	5.33E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.33E-02	2.33E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
799)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
800)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
801)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
802)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG4BCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
803)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG4CCCDGS	DG A AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
804)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGBCCCDGS	DG B AND C FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
805)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
806)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
807)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
808)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.60E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
809)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.61E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.20E-03	7.20E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-03	5.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.10E-01	7.10E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	

	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		9.900E-01	9.90E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		8.000E-01	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.938E-01	5.94E-01
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01
810)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.61E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		2.66E-03	2.66E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01
811)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.60E-09
	IST-41			3.14E-03	3.14E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	3.05-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01
812)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.59E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01
813)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.59E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSCTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01
814)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.57E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.033000	3.30E-05
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
815)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.57E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	X148CCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.033000	3.30E-05
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
816)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.57E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	X14ACCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.033000	3.30E-05
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
817)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.57E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.033000	3.30E-05
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
818)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.57E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	5.33E-05
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
819)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.57E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.025300	2.53E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01

820)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.023800	3.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
821)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.023800	3.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
822)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.023800	3.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
823)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.57E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.023800	3.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
824)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.56E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007200	7.20E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-02	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
825)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.56E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.30E-03	7.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.30E-01	4.30E-01	
826)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.55E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
827)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.023800	3.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
828)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.023800	3.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
829)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.075000	1.50E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
830)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	2.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.563800	5.64E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
831)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISISXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
832)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.54E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
833)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	2.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
834)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
835)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
836)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
837)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
838)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
839)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	2.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	2.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.238000	2.24E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
840)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.52E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
841)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
842)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
843)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
844)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
845)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
846)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
847)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
848)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOT01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
849)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		7.66E-03	7.66E-03	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	

	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
850)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
851)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
852)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.53E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
853)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IST-83			6.00E-03	6.00E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.07E-01	1.07E-01	
854)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	IST-85			6.00E-03	6.00E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.07E-01	1.07E-01	
855)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.043500	8.50E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.038000	5.68E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.060000	6.00E-02	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
856)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-83			6.00E-03	6.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.038000	6.28E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.060000	6.00E-02	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
857)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.51E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.71E-02	2.71E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-85			6.00E-03	6.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.038000	6.28E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.060000	6.00E-02	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
858)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.038000	6.28E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.060000	6.00E-02	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
859)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.038000	6.28E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
860)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
861)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14BCCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
862)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
863)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
864)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
865)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
866)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
867)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
868)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
869)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.50E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
870)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	

	ADGBCCCDGR	DG B AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
871)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADGACCCDGR	DG A AND C FAIL TO RUN - COMMON CAUSE	2E-3	0.027000	1.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
872)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.97E-01	1.91E-01	
873)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.97E-01	1.91E-01	
874)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.49E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.00880	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.99000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
875)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.00610	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.97E-01	1.91E-01	
876)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-05	5.31E-05	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.00610	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.97E-01	1.91E-01	
877)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.00210	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
878)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.47E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-05	1.08E-05	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
879)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.97E-01	1.91E-01	
	BDGTSTDD24	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
880)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.48E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	

	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01
881)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.47E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
882)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.47E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
883)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.47E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
884)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.47E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE	7.90E-03	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
885)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.47E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE	7.90E-03	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
886)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING	5.21E-05	5.21E-05
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-85		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
887)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.46E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING	5.21E-05	5.21E-05
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-83		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
888)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.46E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING	5.21E-05	5.21E-05
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-85		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
889)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	2.31E-02	2.31E-02
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING	5.21E-05	5.21E-05
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	IST-83		6.00E-03	6.00E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01
	YOSOT04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01
890)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02 1.46E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	5.23E-05
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS	7.59E-03	7.59E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02

	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
891)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	3.3E-02	3.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS	7.56E-03	7.56E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
892)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.46E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS	7.56E-03	7.56E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.3E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
893)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.46E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS	7.56E-03	7.56E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.3E-02	2.31E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
894)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.46E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	3.3E-02	3.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS	7.56E-03	7.56E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
895)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.46E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	3.3E-02	3.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS	7.56E-03	7.56E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR	0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
896)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.45E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE	0.002220	2.22E-03	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
897)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.45E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE	0.002220	2.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.025300	2.53E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
898)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.44E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE	1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP	1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.025000	2.50E-02	
899)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.44E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE	1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.007200	7.20E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP	1.08E-02	1.08E-02	
	YLT	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.2E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.025000	2.50E-02	
900)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.44E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING	5.41E-02	5.41E-02	

	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	3.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
901)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	3.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
902)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
903)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
904)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.31E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
905)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.44E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.31E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XD2PREVSYM	DIV 2 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
906)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
907)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
908)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		2.26E-03	2.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.31E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDOISTDD21	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
909)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.43E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		2.26E-03	2.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.31E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029000	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	

	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
910)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.42E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	B3XMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
911)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
912)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
913)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
914)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
915)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
916)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
917)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
918)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
919)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.39E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	3.670000	3.10E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
920)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSXABCCMPR	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO RUN	3.0E-5	0.053000	3.82E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
921)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
922)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.40E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
923)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.70E-06	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	5.98E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
924)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
925)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
926)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
927)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
928)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
929)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09

	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
930)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
931)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.38E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		5.31E-02	5.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-01	2.31E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		4.21E-01	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.004220	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029800	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	5.94E-01	
932)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.593800	8.40E-02	1.38E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		8.4E-2	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		2.31E-02	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		0.004220	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.31E-02	2.31E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.31E-01	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029800	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	5.94E-01	
933)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.593800	8.40E-02	1.37E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		8.4E-2	7.90E-03	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		0.007900	2.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.00E-03	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.21E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		7.18E-01	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029800	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	5.94E-01	
934)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.593800	8.40E-02	1.37E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		0.026300	4.21E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	4.21E-01	8.50E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.042500	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029800	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.990000	5.94E-01	
935)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.593800	8.40E-02	1.37E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	2.63E-02	
	XXSX028GTX	FAIL OF A STCAINER DISCHARGE PRESS INST (SX028)	3E-6	0.026300	1.94E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		18.000000	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		0.026300	4.21E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		4.21E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		1.000000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	4.50E-02	
936)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	8.40E-02	1.37E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		8.4E-2	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		0.007900	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	4.21E-01	1.70E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.085000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	4.50E-02	
937)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	8.40E-02	1.37E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		8.4E-2	7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.90E-03	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	4.21E-01	1.70E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.085000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.800000	4.50E-02	
938)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		0.045000	8.40E-02	1.34E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		0.026300	7.59E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		7.59E-03	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		4.21E-01	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.029800	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.990000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.800000	5.94E-01	
	BDOISTDOZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		0.593800	5.38E-01	
939)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		5.38E-01	8.40E-02	1.34E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		8.4E-2	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		0.026300	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		7.26E-03	2.63E-02	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02538	2.68E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.99000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59300	5.94E-01	
	BDOISTDD71	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
940)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02330	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVD01Y8DMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.00000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
941)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02330	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.00000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
942)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02330	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.00000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
943)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02330	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.00000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
944)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSXC14CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.00000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
945)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.00300	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1RJ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
946)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.00000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
947)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.00000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02330	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
948)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.00000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02330	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
949)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.00000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02330	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.04500	4.50E-02	
950)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.00300	3.00E-03	

	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
951)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
952)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
953)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
954)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
955)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
956)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
957)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
958)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
959)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.33E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		4.50E-02	
960)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.34E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		5.73E-01	
961)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.34E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		7.90E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01

	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
962)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.33E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
963)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	2.00E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
964)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTOGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
965)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
966)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDSPRCCGTX	COM CAUSE FAIL DIV 1 2&3 DISCHARGE PRESS INST	3E-6	1.900000	5.05E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
967)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
968)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
969)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
970)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	

971)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	X14BCCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
972)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
973)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
974)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
975)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
976)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.32E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
977)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.010000	1.00E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
978)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
979)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.30E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.3E-2	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
980)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
981)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.29E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
982)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	HTSTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.2E-1	4.21E-01	

	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.150000	4.50E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		7.30E-01	7.30E-01	
983)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADABCCCMPS	PUMPS D001A B AND C FAIL TO START - COMMON CAUSE	3.0E-3	0.060000	1.80E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.042500	4.25E-02	
	B3DOCCDDS4	FAILURE TO RECOVER IN FOUR HOURS FROM COMMON CAUSE DIESEL FUEL PUMP STAR		1.90E-01	1.90E-01	
984)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		7.56E-03	7.56E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
985)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.56E-03	7.56E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
986)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.28E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.56E-03	7.56E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
987)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
988)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
989)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
990)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
991)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.5938	5.94E-01	
992)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09

	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
993)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
994)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
995)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CEDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
996)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
997)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
998)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
999)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1000)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1001)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1002)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	

	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1003)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.27E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1004)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.26E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008300	8.30E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	4.21E-02	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1005)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1006)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.25E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1007)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGS	DG A AND B FAIL TO START - COMMON CAUSE	2E-2	0.010000	3.00E-02	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1008)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	3.30E-06	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01	
1009)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.24E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		2.41E-02	2.41E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
1010)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1011)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1012)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09

	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.950000	9.50E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1013)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.950000	9.50E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1014)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.950000	9.50E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1015)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.950000	9.50E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1016)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.950000	9.50E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1017)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.950000	9.50E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1018)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.04220	4.22E-02	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1019)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.04220	4.22E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.0E-2	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1020)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.76E-03	1.76E-03	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1021)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.23E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.76E-03	1.76E-03	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	

	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1022)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-83			6.00E-03	6.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
1023)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	IST-85			6.00E-03	6.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
1024)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1025)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.22E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1RO4DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1026)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14ABCCMVC	COM CAUSE WS TO SX A&B VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1027)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGBCCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES B&C	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1028)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGACCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&C	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1029)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XDGABCCMVO	COMMON CAUSE FAIL FOR DG HX DISCHARGE VALVES A&B	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1030)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14ACCCMVC	COM CAUSE WS TO SX A&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1031)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	X14BCCCMVC	COM CAUSE WS TO SX B&C VALVES FAIL TO CLOSE	3.0E-3	0.031000	9.30E-05	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.028800	5.98E-03	
	YDG1RO1DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2RO4DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1032)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	

	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.09000	9.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.09000	9.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
1033)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XDICORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.07900	7.90E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.09000	9.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.09000	9.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
1034)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.00000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.45000	4.50E-02	
	BDGDIV3DR4			9.0E-02	9.00E-02	
1035)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADGABCCDGR	DG A AND B FAIL TO RUN - COMMON CAUSE	2E-3	0.02700	1.30E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.09000	9.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.09000	9.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.4E-01	1.40E-01	
1036)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.21E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.0E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADGABCCCBC	FAILURE OF CB A AND B TO CLOSE - COMMON CAUSE	3E-3	0.01100	3.30E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.45000	4.50E-02	
1037)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.06100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSXABCCMPS	COMMON CAUSE FAIL SX A&B PUMPS FAIL TO START	3.0E-3	0.15000	4.50E-04	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.45000	4.50E-02	
	BXSXXCCMPS	OPERATOR FAILS TO RECOVER FAILED SX PUMP		4.5E-01	4.30E-01	
1038)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.04500	8.50E-02	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.02980	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.09000	9.00E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.09000	9.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.59380	5.94E-01	
1039)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.43E-02	1.20E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.45000	4.50E-02	
1040)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.45000	4.50E-02	
1041)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.80000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.80000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.45000	4.50E-02	
1042)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.02630	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	

	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1043)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1044)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1PREVSYM	DIV 1 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1045)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD3PREVSYM	DIV 3 DOWN FOR PREVENTATIVE MAINT		0.001700	1.70E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1046)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.021100	2.11E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1047)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
	BDGDIV3DR4			9.00E-02	9.00E-02	
1048)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.20E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KCDGR	FAILURE OF DIESEL GENERATOR 01KC TO RUN	2E-3	1.000000	4.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
	BDGDIV3DR4			9.00E-02	9.00E-02	
1049)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.022200	2.22E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1050)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	ADOABCCMPS	PUMPS D001PA AND B FAIL TO START - COMMON CAUSE	3.0E-3	0.020000	6.00E-05	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTD074	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
1051)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1052)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.18E-09
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	

	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT	1.00E-01	1.00E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
1053)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	5.31E-02	5.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS	7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
1054)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS	7.26E-03	7.26E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
1055)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START	5.31E-02	5.31E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS	7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
1056)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS	7.26E-03	7.26E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
1057)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS	7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
1058)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS	7.26E-03	7.26E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START	2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL	0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR	0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR	0.593800	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES	5.38E-01	5.38E-01	
1059)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE	1.66E-02	1.66E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT	0.000000	0.00E+00	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
1060)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.18E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE	1.66E-02	1.66E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT	0.000000	0.00E+00	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
1061)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.41E-02	1.17E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING	2.41E-02	2.41E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE	0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS	4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE	0.002220	4.52E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS	0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS	0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS	0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS	1.91E-01	1.91E-01	
1062)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR	8.4E-2	8.40E-02	1.17E-09

	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1063)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1064)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1065)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1066)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1067)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1068)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1069)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1070)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1071)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1072)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	

1073)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1074)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1075)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1076)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1077)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1078)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1079)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1080)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1081)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1082)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1083)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1084)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	

	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045100	4.50E-02	
1085)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.530000	5.30E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
1086)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.17E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	IST-41			3.14E-03	3.14E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
1087)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
1088)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
	BDGRUNDDR1	FAILURE OF TIME-PHASED DIESEL RUN FAILURE IN ONE HOUR		1.40E-01	1.40E-01	
1089)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
1090)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
1091)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
1092)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.16E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
1093)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.15E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	AISTOOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		2.00E-02	2.00E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029400	2.94E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0TO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593400	5.94E-01	
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
1094)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.15E-09

	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		2.26E-03	2.26E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.950000	9.50E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01
1095)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.15E-09
	AISTDOPMPC	DIVISION 3 DIESEL FUEL OIL PUMP FAILS		2.26E-03	2.26E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01
	BDOISTDDZ1	FAILURE TO RECOVER IN ONE HOUR FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01
1096)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.14E-09
	IST-41			3.14E-03	3.14E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XDPABCCGTX	COM CAUSE FAIL DIV 1&2 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.900000	9.00E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.950000	9.50E-01
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
	BSXMANSTRT	OPERATOR FAILS TO MANUALLY START SX SYSTEM		5.00E-01	5.00E-01
1097)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.14E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	XDPBCCCGTX	COM CAUSE FAIL DIV 2&3 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
1098)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.14E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	XDPACCCGTX	COM CAUSE FAIL DIV 1&3 DISCHARGE PRESS INST	3E-6	1.100000	1.19E-03
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
1099)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.14E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		5.31E-02	5.31E-02
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
1100)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.13E-09
	XDICORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVDBCCCDMO	DAMPERS VD01YB AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
1101)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.13E-09
	XD3CORRSYM	DIV 3 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
1102)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.13E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVDACCCDMO	DAMPERS VD01YA AND C FAIL TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
1103)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.13E-09
	XISTSXDIV3	SHUTDOWN SERVICE WATER DIVISION 3 FAILURE		7.90E-03	7.90E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVDABCCDMO	FAILURE OF DAMPERS VD01YA AND B TO OPEN - COMMON CAUSE	3E-3	0.047000	1.41E-04
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02
1104)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		5.32E-03	5.32E-03
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.68E-02	1.68E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01

	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
1105)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		7.22E-03	7.22E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
1106)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.088000	8.80E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1RQ1DGH	OPERATORS FAIL TO RESTORE DG 1 AT 1 HOUR		0.990000	9.90E-01	
	YDG2RQ1DGH	OPERATORS FAIL TO RESTORE DG 11 IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593300	5.94E-01	
1107)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1108)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1109)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1110)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX173BMVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1111)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1112)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1113)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGARUN	DIVISION 1 DIESEL FAILS TO CONTINUE RUNNING		5.4E-2	5.41E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.37E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03	
	YDG1RQ4DGH	OPERATORS FAIL TO RESTORE DG 1 IN 4 HOURS		0.800000	8.00E-01	
	YDG2RQ4DGH	OPERATORS FAIL TO RESTORE DG 11 IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.91E-01	1.91E-01	
1114)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09

	AISTDGBRUN	DIVISION 2 DIESEL FAILS TO CONTINUE RUNNING		5.41E-02	5.41E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDGRUNDDR4	FAILURE OF TIME-PHASED DIESEL RUN FAILURE FOR FOUR HOURS		1.97E-01	1.91E-01	
1115)	YLOOPXxTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007500	7.50E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1116)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007500	7.50E-03	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
1117)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XCDVHCCAVO	COM CAUSE FAIL FOR A B AND C VH COOLER DISCHARGE VALVES	2E-3	0.085000	1.70E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.020800	2.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593200	5.94E-01	
1118)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.044220	4.42E-02	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.020800	2.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593200	5.94E-01	
1119)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.044220	4.42E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.020800	2.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593200	5.94E-01	
1120)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	XISTSXDIV2	SHUTDOWN SERVICE WATER DIVISION 2 FAILURE		1.66E-02	1.66E-02	
	AQG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.044220	4.42E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.020800	2.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593200	5.94E-01	
1121)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XISTSXDIV1	SHUTDOWN SERVICE WATER DIVISION 1 FAILURE		1.66E-02	1.66E-02	
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.044220	4.42E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.020800	2.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593200	5.94E-01	
1122)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XMNFLCCMVO	COMMON CAUSE FAIL SX A&B MIN FLOW VALVES	3.0E-3	0.070000	2.10E-04	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.020800	2.08E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593200	5.94E-01	
1123)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007500	7.50E-03	
	AISTDOPMPB	DIVISION 2 DIESEL FUEL OIL PUMP FAILS		4.26E-03	4.26E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOSOTO4SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.045000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
1124)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007500	7.50E-03	
	AISTDOPMPA	DIVISION 1 DIESEL FUEL OIL PUMP FAILS		7.26E-03	7.26E-03	

	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	YDG1R04DGH	OPERATORS FAIL TO RESTORE DG I IN 4 HOURS		0.800000	8.00E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T04SWH	OFF-SITE POWER NOT RECOVERED WITHIN 4 HOURS		0.345000	4.50E-02	
	BDOISTDDZ4	FAILURE TO RECOVER IN FOUR HOURS FROM DIESEL FUEL PUMP FAILURES		5.38E-01	5.38E-01	
1125)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	XXSX030GTX	FAIL OF B STRAINER DISCHARGE PRESS INST (SX030)	3E-6	18.000000	1.94E-01	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX030GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1126)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.13E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XXSX028GTX	FAIL OF A STRAINER DISCHARGE PRESS INST (SX028)	3E-6	18.000000	1.94E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	BXSX028GTX	OPERATOR FAILS TO START SX SYSTEM ON FAILURE OF LOW HEADER PRESSURE INIT		1.00E-01	1.00E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1127)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.009000	9.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1128)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.009000	9.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1129)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	3.58E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1130)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.11E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		1.08E-02	1.08E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1131)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1132)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	3.58E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1133)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1134)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014AMVC	MOV 1SX014A FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1135)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1136)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1137)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1138)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX173AMVC	MINIMUM FLOW VALVE 1SX173A FAILS OPEN	3.0E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1139)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1140)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1141)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AVD01YCDMO	FAILURE OF DAMPER VD01YC TO OPEN	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1142)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221A1CBO	FAILURE OF CIRCUIT BREAKER 221A1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1143)	YL00PXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1144)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AVD01YADMO	FAILURE OF DAMPER VD01YA TO OPEN	3E-3	1.000000	3.00E-03	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1145)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	XSX014CMVC	MOV 1SX014C FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1146)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1147)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1148)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	XSX006CMVO	DIS VALVE 1SX006C FAILS TO OPEN (MIN FLOW DIV 3)	3.0E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1149)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1150)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1CBDGM	DG01KB OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	AP221C1CBO	FAILURE OF CIRCUIT BREAKER 221C1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1151)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1152)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	AISTDGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01	
	YOSOTO1SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01	
1153)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02	1.12E-09
	AISTDGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02	
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02	
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01	
	XSX014BMVC	MOV 1SX014B FAILS TO CLOSE	3.0E-3	1.000000	3.00E-03	
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02	
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01	

	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1154)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	AIS1DGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XSX1738MVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1155)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AIS1DGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XSX1738MVC	MINIMUM FLOW VALVE 1SX173B FAILS OPEN	3.0E-3	1.000000	3.00E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1156)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	AIS1DGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1157)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AIS1DGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AP221B1CBO	FAILURE OF CIRCUIT BREAKER 221B1 TO OPEN (ERAT)	3E-3	1.000000	3.00E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1158)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	A2DG1KADGM	DG01KA OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	AIS1DGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	AVD01YBDMO	FAILURE OF DAMPER VD01YB TO OPEN	3E-3	1.000000	3.00E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R01DGH	OPERATORS FAIL TO RESTORE DG II IN 1 HOUR		0.990000	9.90E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1159)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	AIS1DGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	ADG01KADGM	DG01KA OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	AIS1DGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1160)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	AIS1DGBSTR	DIVISION 2 DIESEL FAILS TO START		2.31E-02	2.31E-02
	AIS1DGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	ADG01KCDGM	DG01KC OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1161)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.12E-09
	AIS1DGASTR	DIVISION 1 DIESEL FAILS TO START		2.31E-02	2.31E-02
	AIS1DGCSTR	DIVISION 3 DIESEL FAILS TO START		2.31E-02	2.31E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	ADG01KBDGM	DG01KB OUT OF SERVICE - PREVENTIVE MAINTENANCE		0.004220	4.22E-03
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1162)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.11E-09
	XD1CORRSYM	DIV 1 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	XD2CORRSYM	DIV 2 DOWN FOR CORRECTIVE MAINT		0.007900	7.90E-03
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		2.21E-01	2.21E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01
	YDG2R04DGH	OPERATORS FAIL TO RESTORE DG II IN 4 HOURS		0.800000	8.00E-01
	YOS0T01SWH	OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR		0.593800	5.94E-01
1163)	YLOOPXXTRX	LOSS OF OFF-SITE POWER INITIATOR		8.4E-2	8.40E-02 1.11E-09
	A2DG1KCDGM	DG01KC OUT OF SERVICE - CORRECTIVE MAINTENANCE		0.026300	2.63E-02
	YL1	FAILURE TO RECOVER OFF-SITE POWER WITHIN ONE-HALF HOUR OF LOSS		4.21E-01	4.21E-01
	XABVHCCAVO	COM CAUSE FAIL FOR A AND B VH COOLER DISCHARGE VALVES	2E-3	0.042500	8.50E-05
	YDCLOADSWH	DC LOAD SHEDDING PER CPS 4200.01 NOT SUCCESSFUL		0.029800	2.98E-02
	YDG1R01DGH	OPERATORS FAIL TO RESTORE DG I AT 1 HOUR		0.990000	9.90E-01

YDG2R04DGH OPERATORS FAIL TO RESTORE DG II IN 4 HOURS
YOSOT01SWH OFFSITE POWER NOT RECOVERED WITHIN ONE HOUR

0.800000 8.00E-01
0.593800 5.94E-01

Cutsets for Sequence T2U2UX1

MODULE/EVENT NAME	DESCRIPTION	RATE	EXPOSURE	B.E. PROB.	MOD./CS. PROB.
1) T2U2UX1					*3.39E-06
1) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	4.28E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
2) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	2.09E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
3) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.52E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
4) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.05E-07
HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
5) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.01E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
6) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	8.80E-08
D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	1.30E-02	
FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
7) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	8.36E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
8) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.33E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
9) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.28E-08
HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
10) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	6.74E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.005500	5.50E-03	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
11) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	6.07E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
12) YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	5.89E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	

	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
13)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.12E-08
	HPSYS12SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
14)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	4.77E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
15)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	4.25E-08
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	1.30E-02	
	AR2VR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
16)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.72E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-07	3.23E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
17)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.58E-08
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
18)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.58E-08
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
19)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.55E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
20)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.52E-08
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	1.30E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
21)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.48E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWO1PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
22)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.29E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006200	6.20E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
23)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.11E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
24)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.11E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
25)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.11E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
26)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	3.11E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
27)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	2.88E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
28)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	2.58E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
29)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.53E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	FFWO1PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT	2.00000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
30)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.51E-08
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE	0.002100	3.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
31)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.48E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
32)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.39E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.005500	5.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
33)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.33E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE	0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
34)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.28E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.26E-02	5.26E-02	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP	8.34E-03	8.34E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
35)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.18E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE	0.033100	3.31E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
36)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.17E-08
	D67S1CCBCD	CHARGERS 6,7 AND E22 FAIL FROM COMMON CAUSE	1E-6	0.003200	7.68E-08
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
37)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.09E-08
	IST-65			0.00E-03	0.00E-03
	HISTINJECT	INDEFENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
38)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.09E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
39)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.05E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.46E-02	5.46E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
40)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	1.80E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
41)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	1.75E-08
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
42)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	1.75E-08
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		3.00E-03	3.00E-03
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
43)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	1.72E-08

	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
44)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.69E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
45)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.65E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006200	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
46)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.65E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	FISMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.54E-03	6.54E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
47)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.59E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
48)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.52E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
49)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.52E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
50)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.52E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
51)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.52E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
52)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.52E-08
	IST-65			6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
53)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.49E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.26E-01	7.26E-01	
54)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.47E-08
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	1.30E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
55)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.44E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.88E-03	5.88E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
56)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.42E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.26E-01	7.26E-01	
57)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.39E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.88E-03	5.88E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
58)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.32E-08

	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
59)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.27E-08
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
60)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.27E-08
	HPXN0356FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
61)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.25E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
62)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.22E-08
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
63)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.19E-08
	DC71S1CSSO	STATIC XFER SWITCH C71S001C FAILS OPEN	1E-3	1.000000	1.00E+00	
	DC71S1CSWH	OPERATOR MISPOSITIONS C71S001C BYPASS SWITCH		1.000000	1.00E+00	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
64)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.18E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		2.00E-02	2.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH		1.000000	1.00E+00	
	DISTUPSX1A	FAILURE OF UPS INVERTER 1A		3.40E-03	3.40E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
65)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.17E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
66)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.15E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
67)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.15E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		3.40E-02	3.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		2.68E-03	2.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
68)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.15E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
69)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.13E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
70)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.10E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
71)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.10E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
72)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	1.10E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	

	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.43E-04	3.63E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
73)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	1.10E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.43E-04	3.63E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
74)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	1.06E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005000	5.00E-03	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	5.10E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
75)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	1.05E-08
	D67S1CCBCD	CHARGERS 6 7 AND E22 FAIL FROM COMMON CAUSE	1E-6	0.003200	7.68E-08	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
76)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	1.03E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.43E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
77)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	1.01E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.43E-04	3.63E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.48E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
78)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	1.00E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005000	5.00E-03	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.48E-03	5.68E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
79)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	9.99E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	IST-115			7.48E-03	7.48E-03	
	IST-116			4.89E-03	5.09E-03	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
80)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	9.59E-09
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	3.12E-07	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.54E-03	6.54E-03	
81)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	9.55E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.43E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
82)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	9.31E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005000	5.00E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
83)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	8.87E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	5.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.43E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
84)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	8.80E-09
	IST-52			5.00E-03	5.00E-03	
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	3.12E-07	
85)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	8.66E-09
	D67S1CCBCD	CHARGERS 6 7 AND E22 FAIL FROM COMMON CAUSE	1E-6	0.003200	7.68E-08	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
86)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	8.60E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH		1.000000	1.00E+00	
	DISTUPSX1A	FAILURE OF UPS INVERTER 1A		3.40E-03	3.40E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.43E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
87)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	8.54E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWOTPCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005000	5.00E-03	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
88)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		1	4.70E+00	8.44E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.26E-01	7.26E-01	
89)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	8.44E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	1.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.26E-01	7.26E-01	
90)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	8.35E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-02	5.20E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		2.68E-03	2.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
91)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	8.17E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	1.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
92)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	8.11E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
93)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	8.07E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
94)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.72E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
95)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.63E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
96)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.63E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
97)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.63E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
98)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.63E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
99)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.34E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	1.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
100)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.34E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	1.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
101)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.34E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	1.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
102)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.34E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	1.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
103)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00	7.21E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	IST-56			2.10E-03	2.10E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
104)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	7.05E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03	
105)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.98E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-05	5.20E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
106)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.98E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-05	5.20E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
107)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.96E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	F1CD039AVC	SJAE MIN FLOW TO COND VALVE 1CD039 FAILS TO CLOSE	2E-3	1.000000	1.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
108)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.76E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-05	5.20E-05	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.63E-02	2.63E-02	
	IRISYSTSYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
109)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.32E-09
	FISTRESTRT	FAILURE TO RESTART TRIPPED FEEDWATER SYSTEM		2.50E-03	2.50E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.63E-02	2.63E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
110)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.20E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWOTPCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.63E-02	2.63E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
111)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.13E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.63E-02	2.63E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
112)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.13E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.63E-02	2.63E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
113)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.07E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-05	5.20E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	1.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
114)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.07E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-05	5.20E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
115)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.07E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-05	5.20E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	1.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
116)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	6.07E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.20E-05	5.20E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
117)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.92E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWOTPCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
118)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.91E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	7.26E-01	
119)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.86E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
120)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.82E-09
	DC71S1CSSO	STATIC XFER SWITCH C71SQ01C FAILS OPEN	1E-3	1.000000	1.00E-03	
	DC71S1CSWH	OPERATOR MISPOSITIONS C71SQ01C BYPASS SWITCH		1.000000	1.00+00	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	7.26E-01	
121)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.71E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
122)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.64E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
123)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.64E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
124)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.59E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006200	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
125)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.58E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.54E-03	6.52E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	7.26E-01	
126)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.48E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
127)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.34E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	P1CRCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
128)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.33E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
129)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.33E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
130)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.33E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
131)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.33E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
132)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70+00	5.31E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	IST-56			3.10E-03	3.10E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
133)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.29E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.25E-01	1.23E-01
134)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.29E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.25E-01	1.23E-01
135)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.29E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.25E-01	1.23E-01
136)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.29E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.25E-01	1.23E-01
137)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.14E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	2.00E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
138)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.12E-09
	IST-65			6.00E-03	6.00E-03
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
139)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.12E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-04	3.23E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
140)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.07E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-04	3.23E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
141)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.07E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-04	3.23E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
142)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 5.06E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	F1CD039AVC	SJAE MIN FLOW TO COND VALVE 1CD039 FAILS TO CLOSE	2E-3	1.000000	2.00E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-04	3.23E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
143)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 4.99E-09
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	1.30E-02
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH		1.000000	1.00E+00
	DISTUPSX1A	FAILURE OF UPS INVERTER 1A		3.40E-03	3.40E-03
144)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 4.93E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.25E-01	1.23E-01
145)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 4.93E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.25E-01	1.23E-01
146)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 4.89E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	3.10E-03
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
147)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 4.89E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
148)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		4.7	4.70E+00 4.83E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.020000	2.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	IST-115			4.89E-03	4.89E-03

	IST-116				
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.89E-03	4.89E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.56E-01	4.56E-01
149)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 4.79E-09
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		5.00E-02	5.00E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.010000	1.00E-02
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		0.000500	5.00E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.68E-03	3.68E-03
150)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 4.41E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.00E-02	5.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	3.63E-04	3.63E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.000000	3.00E-03
151)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 4.41E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.00E-02	5.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	3.63E-04	3.63E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		1.000000	3.00E-03
152)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 4.41E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.00E-02	5.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		3.63E-04	3.63E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.003000	3.00E-03
153)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 4.41E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.00E-02	5.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		3.63E-04	3.63E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.003000	3.00E-03
154)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		4.7	4.70E+00 4.30E-09
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.006100	6.10E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.010000	1.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.63E-04	3.63E-04
155)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.56E-01	7.56E-01
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		4.7	4.70E+00 4.29E-09
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		0.002100	2.10E-03
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		1.000000	1.00E+00
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.029000	2.90E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.63E-04	3.63E-04
156)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.56E-01	7.56E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 4.25E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.00E-02	5.00E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.40E-02	5.40E-02
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.000500	5.00E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.002100	2.10E-03
157)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	DC71S1CSSO	STATIC XFER SWITCH C71S001C FAILS OPEN	1E-3	4.7	4.70E+00 4.23E-09
	DC71S1CSWH	OPERATOR MISPOSITIONS C71S001C BYPASS SWITCH		1.000000	1.00E-03
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		1.000000	1.00E+00
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.060000	6.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.63E-04	3.63E-04
158)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.56E-01	7.56E-01
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		4.7	4.70E+00 4.05E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.008800	8.80E-03
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		2.39E-02	2.39E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		6.54E-03	6.54E-03
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.63E-04	3.63E-04
159)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.56E-01	7.56E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 4.00E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.00E-02	5.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.40E-02	5.40E-02
	IST-115			2.48E-03	2.48E-03
	IST-116			4.89E-03	4.89E-03
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		4.89E-03	4.89E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.56E-01	4.56E-01
160)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 3.98E-09
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		5.00E-02	5.00E-02
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.010000	1.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		0.006500	6.50E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.63E-04	3.63E-04
161)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		4.7	4.70E+00 3.88E-09
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		5.00E-02	5.00E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.010000	1.00E-02
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.000500	5.00E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.046000	4.60E-03
162)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR		7.18E-01	7.18E-01
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		4.7	4.70E+00 3.87E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.006100	6.10E-03
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		2.39E-02	2.39E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		6.54E-03	6.54E-03
				0.000500	5.00E-04

	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
163)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	3.73E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE	0.005100	5.10E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
164)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	3.72E-09
	IST-65		6.00E-03	6.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.23E-04	3.23E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
165)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	3.67E-09
	FISTRESTRT	FAILURE TO RESTART TRIPPED FEEDWATER SYSTEM	2.50E-03	2.50E-03	
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	3.12E-07
166)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	3.59E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP	6.54E-03	6.54E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
167)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	3.48E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	FFWCPRETRM	C MDRFP TRAIN OUT FOR PREVENTATIVE MAINT	0.001000	1.00E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
168)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	3.48E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT	0.010000	1.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP	5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
169)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	3.09E-09
	IST-50		2.00E-03	2.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	IST-72		1.48E-01	1.48E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
170)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	2.63E-09
	IST-50		2.00E-03	2.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	IST-58		1.26E-01	1.26E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
171)	YTRANSYTRX	TRANSIENT WITHOUT ISOLATION INITIATOR	4.7	4.70E+00	1.55E-09
	FISTRESTRT	FAILURE TO RESTART TRIPPED FEEDWATER SYSTEM	2.50E-03	2.50E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.23E-04	3.23E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	7.56E-01	7.56E-01	

Cutsets for Sequence T3U2UX1

MODULE/EVENT NAME	DESCRIPTION	RATE	EXPOSURE	B.E. PROB.	MOD./CS. PROB.
1) T3U2UX1					*3.03E-06
1) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.75E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
2) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.83E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
3) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.55E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
4) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.33E-07
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
5) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	9.20E-08
HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
6) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	8.85E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
7) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.56E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
8) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.32E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
9) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	6.42E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
10) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	6.38E-08
HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
11) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	5.49E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
12) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	5.32E-08
HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
13) YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	4.49E-08
HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	

	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
14)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.80E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
15)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.65E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
16)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.26E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
17)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.18E-08
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	3.12E-07	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
18)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.14E-08
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
19)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.14E-08
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
20)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.11E-08
	HPSYSTTSYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
21)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.05E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
22)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.02E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-05	5.40E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
23)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.65E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
24)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.63E-08
	HPSYSTTSYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
25)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.44E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
26)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.26E-08
	HPSYSTTSYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
27)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.22E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
28)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.20E-08
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
29)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.19E-08

	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	FIST8YPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER	2.40E-02	2.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
30)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	2.17E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
31)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	2.13E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP	5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
32)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	2.00E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP	6.54E-03	6.54E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
33)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.85E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
34)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.83E-08
	IST-65		6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
35)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.83E-08
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS	6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
36)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.83E-08
	IST-131		6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
37)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.80E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	FIST8YPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER	2.40E-02	2.40E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
38)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.73E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	2.00E-02	2.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE	0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
39)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.57E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	
40)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.54E-08
	D67S8CCBCD	CHARGERS 6 ? E22 AND 8 FAIL FROM COMMON CAUSE	0.013000	1.30E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
41)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.53E-08
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT	0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
42)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.53E-08
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER	0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
43)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.50E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE	0.006100	6.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
44)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.7	1.70E+00	1.45E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI	0.100000	1.00E-01	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP	6.54E-03	6.54E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.63E-04	3.63E-04	

	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
45)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.34E-08
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.0088800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-04	3.23E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.82E-01	7.82E-01	
46)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.26E-01	7.26E-01	
	IST-65			1.7	1.70+00	1.33E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		9.00E-03	9.00E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		5.00E-02	5.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		0.10000	1.00E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.63E-04	3.63E-04	
47)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS		1.7	1.70+00	1.33E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		9.00E-03	9.00E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		5.00E-02	5.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		0.10000	1.00E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.63E-04	3.63E-04	
48)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	IST-131			1.7	1.70+00	1.33E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		9.00E-03	9.00E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		5.00E-02	5.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		0.10000	1.00E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.63E-04	3.63E-04	
49)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70+00	1.30E-08
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		0.0088800	8.80E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		2.40E-02	2.40E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		0.10000	1.00E-01	
50)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		3.63E-04	3.63E-04	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		1.7	1.70+00	1.29E-08
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.0003000	3.00E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.46E-02	5.46E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		7.26E-01	7.26E-01	
51)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		1.7	1.70+00	1.29E-08
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.0003000	3.00E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.46E-02	5.46E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		7.26E-01	7.26E-01	
52)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		1.7	1.70+00	1.28E-08
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.0006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.02000	2.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.46E-02	5.46E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		0.000500	5.00E-04	
53)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.26E-01	7.26E-01	
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	1.7	1.70+00	1.27E-08
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		0.013000	3.12E-07	
54)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.40E-02	2.40E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70+00	1.26E-08
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.01000	1.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.46E-02	5.46E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		2.52E-01	2.52E-01	
55)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		1.7	1.70+00	1.24E-08
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		0.0006100	6.10E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.10000	1.00E-01	
56)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.000500	5.00E-04	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70+00	1.22E-08
	FCYTANKTKL	CY TANK LEVEL INSUFFICIENT FOR 24 HR MAKEUP		5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.0070000	7.00E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.10000	1.00E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.000500	5.00E-04	
57)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70+00	1.19E-08
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.061000	6.10E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.0050200	5.02E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.000500	5.00E-04	
58)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70+00	1.13E-08
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.0003000	3.00E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		7.18E-01	7.18E-01	
59)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70+00	1.13E-08
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.0003000	3.00E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		7.18E-01	7.18E-01	
60)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70+00	1.13E-08
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.00E-02	5.00E-02	
				0.000500	5.00E-04	

	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
61)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.13E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
62)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.11E-08
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.050000	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
63)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.11E-08
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.050000	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
64)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.09E-08
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
65)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.07E-08
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
66)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.05E-08
	DC71S1CSSO	STATIC XFER SWITCH C71S001C FAILS OPEN	1E-3	1.000000	1.00E-03	
	DC71S1CSWH	OPERATOR MISPOSITIONS C71S001C BYPASS SWITCH		1.000000	1.00E+00	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
67)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.04E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.050000	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
68)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.04E-08
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH		1.000000	1.00E+00	
	DISTUPSX1A	FAILURE OF UPS INVERTER 1A		3.40E-03	3.40E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
69)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	9.32E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.050000	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.45E-02	2.45E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
70)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	9.14E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.45E-02	2.45E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
71)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	9.06E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.45E-02	2.45E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
72)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	8.95E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.45E-02	2.45E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
73)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	8.86E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FCYTANKTKL	CY TANK LEVEL INSUFFICIENT FOR 24 HR MAKEUP		0.034000	3.40E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
74)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	8.76E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.050000	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	IST-115			4.85E-03	4.85E-03	
	IST-116			4.85E-03	4.85E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
75)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	8.64E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	

	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IKISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006510	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
76)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	8.42E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
77)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	8.24E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.52E-03	6.52E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
78)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.88E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.003500	3.50E-03	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
79)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.83E-09
	D67S1CCBCD	CHARGERS 6 7 AND E22 FAIL FROM COMMON CAUSE	1E-6	0.003200	7.68E-08	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
80)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.56E-09
	IST-65			6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
81)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.56E-09
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS		6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
82)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.56E-09
	IST-131			6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
83)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.55E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
84)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.53E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH		1.000000	1.00E+00	
	DISTUPSX1A	FAILURE OF UPS INVERTER 1A		3.40E-03	3.40E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
85)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	7.41E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
86)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	6.50E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
87)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	6.32E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
88)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	6.32E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-05	5.46E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
89)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	6.21E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	

	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
90)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	6.11E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		3.00E-03	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		4.60E-03	4.60E-03	
91)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70E+00	5.98E-09
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.002500	2.50E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		0.000500	5.00E-04	
92)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	5.98E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.00E-02	2.00E-02	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		6.54E-03	6.54E-03	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.82E-04	3.82E-04	
93)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.56E-01	7.56E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		7.18E-01	7.18E-01	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.7	1.70E+00	5.75E-09
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		1.000000	1.00E+00	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.029000	2.90E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.002500	2.50E-03	
94)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.000500	5.00E-04	
	FISTRESTRT	FAILURE TO RESTART TRIPPED FEEDWATER SYSTEM		7.18E-01	7.18E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	5.54E-09
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		2.50E-03	2.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		5.00E-02	5.00E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.100000	1.00E-01	
95)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		3.63E-04	3.63E-04	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		7.18E-01	7.18E-01	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		1.7	1.70E+00	5.49E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.00E-02	5.00E-02	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.060000	6.00E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.000500	5.00E-04	
96)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.003000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		7.18E-01	7.18E-01	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		1.7	1.70E+00	5.49E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.00E-02	5.00E-02	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.060000	6.00E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.000500	5.00E-04	
97)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.003000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		7.18E-01	7.18E-01	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		1.7	1.70E+00	5.49E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.00E-02	5.00E-02	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	0.060000	6.00E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.000500	5.00E-04	
98)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.000000	3.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		7.18E-01	7.18E-01	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		1.7	1.70E+00	5.49E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.00E-02	5.00E-02	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	0.060000	6.00E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.000500	5.00E-04	
99)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.000000	3.00E-03	
	IST-65			7.18E-01	7.18E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	5.49E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		8.00E-03	8.00E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.00E-05	2.00E-05	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.78E-02	3.78E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.63E-04	3.63E-04	
100)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.56E-01	2.56E-01	
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS		7.18E-01	7.18E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	5.49E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		8.00E-03	8.00E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.00E-05	2.00E-05	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.78E-02	3.78E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.63E-04	3.63E-04	
101)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.56E-01	2.56E-01	
	IST-131			7.18E-01	7.18E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	5.49E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		8.00E-03	8.00E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.00E-05	2.00E-05	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.78E-02	3.78E-02	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		3.63E-04	3.63E-04	
102)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.56E-01	2.56E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		7.18E-01	7.18E-01	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		1.7	1.70E+00	5.38E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.008800	8.80E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-05	2.40E-05	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.46E-02	3.46E-02	
103)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		3.63E-04	3.63E-04	
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	7.56E-01	7.56E-01	
	FFWOTPCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		1.2	1.20E+00	5.30E-09
104)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.013000	1.30E-02	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.010000	1.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		1.7	1.70E+00	5.23E-09
				0.008800	8.80E-03	
				0.000500	5.00E-04	

	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP	5.68E-03	5.68E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
105)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	5.14E-09
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE	0.006100	6.10E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER	2.40E-02	2.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
106)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	5.03E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP	5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	2.18E-01	2.18E-01	
107)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.76E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER	2.40E-02	2.40E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	2.18E-01	2.18E-01	
108)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.59E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT	0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.23E-04	3.23E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
109)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.59E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER	0.003000	3.00E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.23E-04	3.23E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
110)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.51E-09
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE	0.006100	6.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.23E-04	3.23E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
111)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.42E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE	0.002100	2.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT	0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
112)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.32E-09
	DC71SICSSO	STATIC XFER SWITCH C71SQ01C FAILS OPEN	1.000000	1.00E-03	
	DC71SICSWH	OPERATOR MISPOSITIONS C71SQ01C BYPASS SWITCH	1.000000	1.00E+00	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
113)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.28E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM	5.46E-02	5.46E-02	
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH	1.000000	1.00E+00	
	DISTUPSX1A	FAILURE OF UPS INVERTER 1A	3.40E-03	3.40E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM	2.56E-01	2.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	2.18E-01	2.18E-01	
114)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.23E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE	0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE	0.004600	4.60E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
115)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.18E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES	3.23E-04	3.23E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	2.18E-01	2.18E-01	
116)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.16E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER	2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP	5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM	2.18E-01	2.18E-01	
117)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.15E-09
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE	0.006100	6.10E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE	0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM	1.23E-01	1.23E-01	
118)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR	1.70E+00	1.70E+00	4.07E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM	5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip	1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower	0.029000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS	0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE	0.004600	4.60E-03	

	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
119)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.99E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
120)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.99E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
121)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.99E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.001000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
122)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.99E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.001000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.19E-01	7.18E-01	
123)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.84E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005500	5.00E-03	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.003100	3.10E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
124)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.79E-09
	D67SICCBCD	CHARGERS 6 7 AND E22 FAIL FROM COMMON CAUSE	1E-6	0.003200	7.68E-08	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.001000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
125)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.75E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	DC71S1ASWH	OPERATOR MISPOSITIONS C71S001A BYPASS SWITCH		1.001000	1.00E+00	
	DC71S1ASSO	STATIC XFER SWITCH C71S001A FAILS OPEN	1E-3	1.001000	1.00E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005500	5.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
126)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.73E-09
	HPSYSTSYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		3.46E-02	3.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.26E-01	7.26E-01	
127)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.001000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		2.68E-03	2.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
128)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.62E-09
	HPSYSTSYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005500	5.00E-03	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		2.68E-03	2.68E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
129)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.61E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	IST-115			2.88E-03	2.88E-03	
	IST-116			2.88E-03	2.88E-03	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.36E-01	7.36E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
130)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.47E-09
	D67SBCCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	3.12E-07	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.54E-03	2.54E-03	
131)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.46E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
132)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.37E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005500	5.00E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
133)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.21E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.061000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.26E-01	7.26E-01	
134)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	3.18E-09

	IST-65					
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	6.00E-03	6.00E-03	
135)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.013000	3.12E-07	
	IST-131			1.7	1.70E+00	3.18E-09
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	6.00E-03	6.00E-03	
136)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.013000	3.12E-07	
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS		1.7	1.70E+00	3.16E-09
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	6.00E-03	6.00E-03	
137)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.013000	3.12E-07	
	D67S1CCBCD	CHARGERS 6 7 AND E22 FAIL FROM COMMON CAUSE	1E-6	1.7	1.70E+00	3.13E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		0.003200	7.68E-08	
138)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.40E-02	2.40E-02	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	3.11E-09
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.00E-02	5.00E-02	
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS 1A BYPASS SWITCH		5.46E-02	5.46E-02	
	DISTUPSXTA	FAILURE OF UPS INVERTER 1A		1.000000	1.00E+00	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.40E-03	3.40E-03	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		2.55E-01	2.55E-01	
139)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70E+00	3.09E-09
	FFW01PCSYH	C MDRFP TRAIN 1 APROP REST FROM MAINT		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.010000	1.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.46E-02	5.46E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		0.000500	5.00E-04	
140)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.55E-01	2.55E-01	
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		1.7	1.70E+00	3.05E-09
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		0.003000	3.00E-03	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		1.000000	1.00E+00	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.029000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.46E-02	5.46E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		0.000500	5.00E-04	
141)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.55E-01	2.55E-01	
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		1.7	1.70E+00	3.05E-09
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		0.003000	3.00E-03	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		1.000000	1.00E+00	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		0.029000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		5.46E-02	5.46E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		0.000500	5.00E-04	
142)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		2.55E-01	2.55E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	3.02E-09
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.00E-02	5.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		2.40E-02	2.40E-02	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		5.68E-03	5.68E-03	
143)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	2.96E-09
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		5.00E-02	5.00E-02	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		1.000000	1.00E+00	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		0.029000	2.90E-02	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.004600	4.60E-03	
144)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		1.7	1.70E+00	2.93E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.006100	6.10E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		0.004600	4.60E-03	
145)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70E+00	2.92E-09
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.008800	8.80E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.020000	2.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.005300	5.30E-03	
146)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		0.000500	5.00E-04	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	2.79E-09
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		5.00E-02	5.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		0.060000	6.00E-02	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		0.002100	2.10E-03	
147)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		7.18E-01	7.18E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70E+00	2.76E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.008800	8.80E-03	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		0.003000	3.00E-03	
148)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70E+00	2.76E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.008800	8.80E-03	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.000000	3.00E-03	
149)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70E+00	2.76E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.008800	8.80E-03	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.000000	3.00E-03	
150)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		1.7	1.70E+00	2.76E-09
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.008800	8.80E-03	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		0.003600	5.00E-03	
151)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.23E-01	1.23E-01	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		1.7	1.70E+00	2.65E-09
				5.00E-02	5.00E-02	

	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.025000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
152)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.025000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
153)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.025000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
154)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.025000	2.90E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
155)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.65E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	IST-56			2.10E-03	2.10E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
156)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.55E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03	
157)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.53E-09
	HPXNO56FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
158)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.53E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
159)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.52E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	F1CD039AVC	SJAE MIN FLOW TO COND VALVE 1CD039 FAILS TO CLOSE	2E-3	1.000000	2.00E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
160)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.45E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-02	3.23E-02	
	IRISYSTSYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		7.63E-04	7.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
161)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.29E-09
	FISTRESTRT	FAILURE TO RESTART TRIPPED FEEDWATER SYSTEM		2.50E-03	2.50E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-02	3.23E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
162)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.24E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWO1PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-02	3.23E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
163)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.22E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.025000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-02	3.23E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
164)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.22E-09
	HPXNO56FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.025000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.23E-02	3.23E-02	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	

	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.20E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-01	7.18E-01	
166)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.20E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-01	7.18E-01	
167)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.20E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-01	7.18E-01	
168)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.20E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-01	7.18E-01	
169)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.14E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.2E-01	7.26E-01	
170)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.14E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.2E-01	7.26E-01	
171)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.12E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.5E-04	3.63E-04	
172)	YTRANISTRX	TRANSIENT WITH ISOLAION INITIATOR		1.7	1.70E+00	2.11E-09
	DC71S1CSSO	STATIC XFER SWITCH C71S001C FAILS OPEN	1E-3	1.000000	1.00E-03	
	DC71S1CSWH	OPERATOR MISPOSITIONS C71S001C BYPASS SWITCH		1.000000	1.00E+00	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.2E-01	7.26E-01	
173)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.06E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.004600	4.60E-03	
174)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.04E-09
	P3MAINILGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
175)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.04E-09
	HPXN052FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006200	6.20E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
176)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.02E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
177)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	2.02E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.4E-02	5.46E-02	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.54E-03	6.54E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.2E-01	7.26E-01	
178)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.98E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.1E-01	7.18E-01	
179)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.93E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04	
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01	
180)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.93E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	

	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
181)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.93E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
182)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.93E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
183)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.93E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
184)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.92E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02
	IST-36			2.10E-03	2.10E-03
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
185)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.91E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01
186)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.91E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01
187)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.91E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01
188)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.91E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.23E-01	1.23E-01
189)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.86E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	P12RCICLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.021000	2.10E-02
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
190)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.85E-09
	IST-65			6.00E-03	6.00E-03
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01
191)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.85E-09
	IST-131			6.00E-03	6.00E-03
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01
192)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.85E-09
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS		6.00E-03	6.00E-03
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01
193)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.85E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.040000	4.00E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
194)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.83E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
195)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.83E-09
	HPXNOS6FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		2.40E-02	2.40E-02

	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
196)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.83E-09
	HISTINJEC.	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
	DC71S1ASWH	OPERATOR MISPOSITIONS C71S001A BYPASS SWITCH		1.000000	1.00E+00
	DC71S1ASSO	STATIC XFER SWITCH C71S001A FAILS OPEN	1E-3	1.000000	1.00E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
197)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.83E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	F1CD039AVC	SJAE MIN FLOW TO COND VALVE 1CD039 FAILS TO CLOSE	2E-3	1.000000	1.00E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
198)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.80E-09
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	1.30E-07
	DCUPS1ASWH	OPERATOR MISPOSITIONS UPS1A BYPASS SWITCH		1.000000	1.00E+00
	DISTUPSX1A	FAILURE OF UPS INVERTER 1A		3.40E-03	3.40E-03
199)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.78E-09
	P3MAINTLGH	HPCS FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.53E-01	1.53E-01
200)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.78E-09
	HPXN056FSH	MISCALIBRATION OF HPCS FLOW TRANSMITTER		0.003000	3.00E-03
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
	FISTRESTRB	HRA DEPENDENT FAILURE TO RESTORE TRIPPED FEEDWATER SYSTEM		1.53E-01	1.53E-01
201)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.77E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
202)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.77E-09
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.060000	6.00E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
203)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.75E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lowe		0.028700	2.30E-03
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		2.46E-02	2.46E-02
	IST-115			4.89E-03	4.89E-03
	IST-116			4.89E-03	4.89E-03
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
204)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.73E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.000500	5.00E-04
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
205)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.60E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	PRIMAINLGH	RCIC FAILURE TO PROPERLY RESTORE FROM MAINT		0.003000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
206)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.60E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IRIF013MVO	MOV F013 FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
207)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.60E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IRIF019MVO	MIN FLOW VLV FAILS TO OPEN	3.0E-3	1.000000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
208)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.60E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-02	5.40E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	IRISYSTSYH	RCIC IMPROPERLY RESTORED FROM MAINTENANCE		0.003000	3.00E-03
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01
209)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.55E-09
	HPSYSTISYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01
210)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00 1.55E-09
	P3LOGICLGM	HPCS COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00E+00

	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Low		0.029000	2.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
211)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.54E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-05	5.40E-05	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.003500	3.00E-03	
	P12RC1CLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
212)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.53E-09
	DC71S1CSSO	STATIC XFER SWITCH C71S001C FAILS OPEN	1E-3	1.000000	1.00E-03	
	DC71S1CSWH	OPERATOR MISPOSITIONS C71S001C BYPASS SWITCH		1.000000	1.00+00	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.069000	6.90E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
213)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.47E-09
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.54E-03	6.54E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
214)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.45E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FISTBYPASS	FEEDWATER SYSTEM VALVE FAILURES CAUSING BYPASS TO CONDENSER		5.40E-05	5.40E-05	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	IST-115			4.89E-03	4.89E-03	
	IST-116			4.89E-03	4.89E-03	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
215)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.44E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWO1PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.011000	1.10E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.006500	6.50E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
216)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.40E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWO1PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.011000	1.10E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.003500	3.00E-03	
	IRISYS1SYM	RCIC DOWN FOR CORRECTIVE MAINTENANCE		0.002400	2.40E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
217)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.40E-09
	HPSYST1SYM	HP SYSTEM DOWN FOR PREVENTIVE MAINTENANCE		0.006100	6.10E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.54E-03	6.54E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.003500	3.50E-03	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
218)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.36E-09
	FISTRESTRT	FAILURE TO RESTART TRIPPED FEEDWATER SYSTEM		2.50E-03	2.50E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	YRIPRORFRC	FRAC OF CONT ISOS THAT RESULT IN LOSS OF RI		0.100000	1.00E-01	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
219)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.35E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	ARCVR1MSWH	Operator Fails to Prevent/Recover Bus 1M Shunt Trip		1.000000	1.00+00	
	AL2TRANTRX	Other Events That Could Result in Reactor Level 2 or Lower		0.029000	2.90E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	P12RC1CLGM	RCIC COMPONENTS DOWN FOR MAINTENANCE		0.002100	2.10E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
220)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.34E-09
	IST-65			6.00E-03	6.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
221)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.34E-09
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS		6.00E-03	6.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
222)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.34E-09
	IST-131			6.00E-03	6.00E-03	
	HPSYST2SYM	HP SYSTEM DOWN FOR CORRECTIVE MAINTENANCE		0.008800	8.80E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
223)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.33E-09
	AISTUATXFR	TRANSFER OF NON-SAFETY BUSES FROM UAT TO RAT FAILS		6.00E-03	6.00E-03	
	HISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE HPCS PUMP		5.08E-03	5.08E-03	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.003500	3.50E-03	
	NISTCRDINJ	FAILURE OF CRD SYSTEM TO INJECT TO REACTOR		2.84E-01	2.84E-01	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		7.56E-01	7.56E-01	
224)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70+00	1.33E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFWCCORTRM	C MDRFP TRAIN OUT FOR CORRECTIVE MAINT		0.069000	6.90E-02	
	DC71S1ASWH	OPERATOR MISPOSITIONS C71S001A BYPASS SWITCH		1.000000	1.00+00	

	DC71S1ASSO	STATIC XFER SWITCH C71S001A FAILS OPEN	1E-3	1.000000	1.00E-03	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
225)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.33E-09
	FISTRESTRT	FAILURE TO RESTART TRIPPED FEEDWATER SYSTEM		2.30E-03	2.50E-03	
	D67S8CCBCD	CHARGERS 6 7 E22 AND 8 FAIL FROM COMMON CAUSE	1E-6	0.013000	3.12E-07	
226)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.30E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IRISYS2SYM	RCIC DOWN FOR PREVENTIVE MAINTENANCE		0.000500	6.50E-03	
	FISTMTRDRV	UNAVAILABILITY OR FAILURE OF MOTOR DRIVEN FEED PUMP		6.24E-03	6.24E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.001500	5.00E-04	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
227)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.26E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.22E-02	
	FFWCPRETRM	C MDRFP TRAIN OUT FOR PREVENTATIVE MAINT		0.001000	1.00E-03	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.001500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
228)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.26E-09
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	FFW01PCSYH	C MDRFP TRAIN IMPROP REST FROM MAINT		0.010000	1.00E-02	
	GISTADSHDW	ADS SYSTEM HARDWARE FAILURES		3.63E-04	3.63E-04	
	IISTCOOLNG	FAILURE OF COOLING SUPPORT FOR THE RCIC PUMP		5.68E-03	5.68E-03	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	
229)	YTRANISTRX	TRANSIENT WITH ISOLATION INITIATOR		1.7	1.70E+00	1.12E-09
	IST-30			6.00E-03	6.00E-03	
	HISTINJECT	INDEPENDENT FAILURES OF HPCS SYSTEM		5.00E-02	5.00E-02	
	IISTINJECT	INDEPENDENT FAILURES OF RCIC SYSTEM		5.46E-02	5.46E-02	
	IST-72			1.48E-01	1.48E-01	
	GADSMANSYW	OPERATOR FAILS TO MANUALLY INITIATE ADS		0.001500	5.00E-04	
	BISTRIINJR	OPERATOR FAILS TO RECOVER FAILED RCIC SYSTEM		2.56E-01	2.56E-01	
	BISTHPINJR	OPERATOR FAILS TO RECOVER FAILED HPCS SYSTEM		7.18E-01	7.18E-01	