INDIAN POINT 2

CONFIGURATION MANAGEMENT AND CONTROL

YEAR 2001 BUSINESS PLAN

Gerald Ryff PLAN MANAGER:	SUBMITTED	DATE 12/15/00
GEOFFREY SCHWARTZ CHIEF NUCLEAR ENGINEER	CONCURRED	DATE 12/15/00
JAMES BAUMSTARK SENIOR MANAGEMENT SPONSOR	APPROVED	DATE 12/15/00

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1. Business Plan Summary

CONFIGURATION MANAGEMENT & CONTROL

OVERVIEW:

In 2001 the Configuration Management & Control (CM&C) Business Plan continues to focus work on key elements of the plant's design basis documents. Work will be completed on the UFSAR, additional Design Basis Documents (DBD's) will be completed and work on the Technical Specifications instrument setpoints will be completed. These documents will be transitioned to the maintenance mode. The additional work on maintaining documents is reflected in the increased resources requested to support routine ongoing functions of the CM&C department. Resources requested for projects are also increased from the year 2000 Business Plan. The increase is requested to accomplish work deferred from 2000 due to unavailability of resources and to accomplish work related to Short Term Focus items.

GOALS:

1) Issue Rev 16 of the UFSAR completing the UFSAR Update Project (transition to the maintenance mode).
2) Begin a UFSAR Ch 14 Analysis input assumptions database.
3) Complete 7 additional DBD's for a total of 22 updated DBD's issued and in use by the end of the year.
4) Complete the Tech. Spec. Drift Reval & Set Point Calcs project (except for the BOP set points).

EXPECTED 2001 RESULTS:

1) Nuclear Safety and Regulatory Compliance performance should be improved.
2) Incidences of incorrect or incomplete evaluation of the impacts on Safety, the design and design basis of intended changes should be reduced by improved availability and usage of updated key design and design basis documents.
3) Backlogs of CRS's associated with the completed key design and design basis documents are eliminated.

2. Action Plans

CONFIGURATION MANAGEMENT AND CONTROL

UFSAR VERIFICATION PROJECT				
GOAL	**ACTIONS**	**OWNER**	**COMPLETION DATE**	**STATUS**
Issue Rev.16 of the UFSAR completing the UFSAR Update Project (transition to the maintenance mode). Begin UFSAR Ch 14 Analysis input assumptions database.	Verify the accuracy and completeness of the UFSAR and provide a fully electronic UFSAR.	Liberatori	06/01	
	Provide a Component Function database.	Liberatori	06/01	
	Provide for the resolution of Condition Reports generated as a result of the verification effort.	Liberatori	12/01	
	Provide a database to capture the accident analysis input assumptions, for 2 accidents.	Liberatori	12/01	

Design Basis Documentation				
GOAL	**ACTIONS**	**OWNER**	**COMPLETION DATE**	**STATUS**
Complete 7 additional DBD's for a total of 22 updated DBD's issued and in use by the end of the year.	Implementation Phase	Ammirato	12/01	
	Maintenance Phase	Ammirato	02/01	
	Optical Linked References	Ammirato	12/01	
	DB Reconstitution	Ammirato	12/01	

2. Action Plans (cont'd.)

Set Point Control				
Goal	**ACTIONS**	**OWNER**	**COMPLETION DATE**	**STATUS**
Complete the Tech. Spec. Drift Reval 7 Set Point Calcs project (except for the BOP setpoints).	Tech. Spec. Drift Revalidation and Set Point Calculations	Ellwanger	09/01	
	EOP Set Points/ Rev. 1C/1D of the ERGs	Ellwanger	12/01	
	Set Point Calculations	Ellwanger		
	Grade 3 & 4 (Fire Protection) Set Points	Ellwanger	12/01	
	Set Points – Improved Tech. Specs.	Ellwanger		

3. Approved 2001 Budget

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOT	AVE
Human Resources Management Weekly Summer/COOP														
Subtotal (months) Overtime (hours)														
O & M ($000) Management Comp Weekly														
Sub Total Labor														
Accounts Payable: UFSAR Verification														
NETSAID														
DBD – Implementation														
DB Reconstitution														
Tech. Spec. Drift Reval / Set Point Calculations														
EOP Set Points														
Grade 3&4 (FP) Set Pts.														
Setpoint CRS Resolution														
Setpoint Calcs														
SP Improved Tech. Spec. *														
Calculation Index														
OE Staff Augmentation														
Training														
Sub Total A/P														
All Other: All Other														
Sub Total All Other														
Grand Total, CM&C														

* Money to be funded.

4. Project Requests

The following projects and programs are proposed for work in Year 2001

Item	Project/Program Title	Estimated Con Ed Hours (CM&C)	Estimated Con. Ed Hour (all others)	Estimated Outside Support $ (000's)
4.1.a	UFSAR Verification Project			
4.1.b	Chap. 14 Safety Analysis Input Verif. & Database Development (NETSAID)			
4.2.a	DBD – Implementation Phase			
4.2.d	DB Reconstitution			
4.3.a	Tech. Spec. Drift Reval.			
4.3.b	EOP Set Points / Rev. 1C/ 1D of the ERGs			
4.3.c	EOP Set Points / Rev. 1A/ 1B of the ERGs			
4.3.d	SP Calculations			
4.3.e	Grade 3 & 4 (Fire Protection) Set Points			
4.3.f	Setpoint CRS Resolution			
4.4	Calculation Indexing			
4.5	OE Staff Augmentaion			
4.6	Training			
Grand Total CM&C Projects				

Indian Point 2
2001 Project Request

1) Title: a. UFSAR Verification Project; b. UFSAR Chapter 14 Safety Analysis Input Verification Database Development (NETSAID)	**2) Project #:** 4.1.a & b

3.) Description:

a. This project will verify the accuracy and completeness of the UFSAR and provide a fully electronic UFSAR, a Component Function Database, and provide for the resolution of Condition Reports generated as a result of the verification effort.

b. Westinghouse to identify and document the input assumptions for the IP2 UFSAR Chapter 14 analyses, verify the input assumptions, populate the database ("NETSAID") being developed under Phase I of this project, and provide copies of "calculations of record" and other mutually agreed upon documentation as part of the final deliverables.

4) Justification:

a. NRC regulations require that the UFSAR be kept current and complete. Previous processes and practices were not adequate to keep the original FSAR current and complete to today's standards.

b. To provide a database to capture the accident analysis input assumptions so that plant configuration and operations and procedures can be confirmed to be consistent with same.

5.) Indian Point 2 Goals Supported:

6) Budget:

Dept	Action	2000 + Prior		2001		2002 + Future		**Project Total**	
		Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)
CM&C a.	Ch.1-13,Review Ch.1-13,CR Rev Ch.14 Verification Pending & Recon UFSAR Rev 16 UFSAR closeout								
CM&C b.	Chap. 14 NETSAID								
	TOTALS:								

7) Lead Department: CM&C	**8) O & M: X** **Capital:** **XM:**
9) Proposed By: L. Liberatori	**Date: 12/06/00**
10) Lead Dept. Mgr. Approval:	**Date:**
11) 2001 Budget Approval By:	**Date:**

12) Notes:

a. UFSAR verification and UFSAR close out work will extend into 2001. UFSAR verification work associated with DBDs to be written in 2001 and 2002 will require some on going verification following completion of the DBDs.

b. This project will go forward on a phased basis. Phase I is to establish the database structure and content. Phase II will go forward in 2001 and will comprise the research, identification, and population of the database and delivery of calculations. The 900K, needed in the future, is subject to further discussion with Entergy.

Indian Point 2
2001 Project Request

1) Title: a. DBD - Implementation Phase; b. DBD – Maintenance Phase; c. DBD – Optical Linked References; d. DB Reconstruction	**2) Project #:** 4.2.a, b, c & d

2) Description:

a. Commitments made to NRC in response to the Oct. 1997 50.54(f) letter require preparation of 22 system related DBDs and several topical DBDs. 6 DBDs were written in 1999 and 9 DBDs are to be completed in 2000, 7 in 2001 and 5 in 2002. Selection and sequencing of the systems were based on their PSA risk ranking.

b. Based on the 1997 50.54(f) commitment to the NRC, Con Edison agreed to redo the original 22 DBDs, as well as prepare additional topical/system DBDs. Contracts have been awarded to Westinghouse Electric Co. and Raytheon Nuclear, the original NSSS and Architect Engineer. Selection and sequencing of the systems were based on their PSA risk ranking.

c. One of the byproducts of the 50.54(f) effort is the delivery of design basis reference materials. This project is to optically scan and hypertext-link the delivered references to the DBD document.

1) Justification:

a.& b. In order to operate within the design parameters of the plant and to perform modifications to IP2, such as the impending steam generator replacement, the existing design basis of IP2 must be known. The implementation Phase provides a roadmap to existing documents and identifies controlled references. Operations – The DBDs will facilitate the preparation of abnormal assessments as well as aid in the operability/reportability determinations.

c. In order to facilitate access of design basis information to the end user, the design basis documents are electronically available on the Indian Point 2 website. This project will further enhance the ability of the end user to not only access the design basis document, but its references as well. This will be done as resources allow.

5) Indian Point 2 Goals Supported:

6) Budget:

Dept	Action	2000 + Prior		2001		2002 + Future		**Project Total**	
		Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)
a. CM&C Des. Eng. Sys. Eng. NS&L OpsWatc	Implementation Phase								
b. CM&C Des. Eng. Sys. Eng. NS&L OpsWatch	Maintenance Phase								
c. CM&C Des. Eng. Sys. Eng. NS&L OpsWatch	Optical Linked References								
d. CM&C Des. Eng.	DB Reconstitution								
	TOTALS:								

7) Lead Department: CM&C	**8) O & M: X** **Capital:**
9) Proposed By: V. Ammirato	**Date: 12/06/00**
10) Lead Dept. Mgr. Approval:	**Date:**
11) 2001 Budget Approval By:	**Date:**

12) Notes: a. The ECS Cable Separation DBD is a Con Edison generated document and will be revised by Design Engineering. The estimate for this effort based on typical rates and hours are xxx man-hrs will be needed to support this effort alone.

b. To meet the Training needs of the group xxxx man-hrs will be devoted to this activity. See attached spread sheet on "Training".

c. Year 2000 34 vol. of references x 300pgs/vol x 5min/scan x 1Hr/60min = xxx hrs.to scan
assume same amount of time to hypertext link = xxx hrs. to link
Total = xxxx hrs.

Year 2001 we will receive 12 DBDs.
Assume xref/dbd x xxxpgs/ref x xmin/scan x xHr/xxmin = xxxx hrs. to scan
assume same amount of time to hypertext link = xxx hrs. to link
Year 2002 we will receive x DBDs Total = xxxx hrs.
same assumptions Therefore Total = xxxx hrs.

	NAME	HOURS	TOTAL HOURS
DBD PROJECT IMPLEMENTATION PHASE			
NSSS			
	AMMIRATO		
	BARTMANN		
	BLOSS		
	BOGHOSIAN		
	LETTMODEN	_____	
	subtotal		
BOP	AMMIRATO		
	BARTMANN		
	BLOSS		
	BOGHOSIAN		
	LETTMODEN	_____	
	subtotal		
CRS/RESOLUTION/ RECONSTITUTION			
	AMMIRATO		
	BARTMANN		
	BLOSS		
	BOGHOSIAN		
	LETTMODEN	_____	
	subtotal		
PROCESS PROCEDURES			
	AMMIRATO		
	BARTMANN		
	BLOSS		
	BOGHOSIAN		
	LETTMODEN	_____	
	subtotal		

DBD MAINTENANCE PHASE

PROGRAM UPDATES

AMMIRATO	
BOGHOSIAN	
BARTMANN	
BLOSS	
LETTMODEN	_____
subtotal	
	TOTAL

TASKS	**Design Eng'g.**	**System Eng'g**	**NS&L**	**Watch Eng'r**
Attend Boundary/documentation mtg.				
Review and provide comments				
Section 1.0 - System Description				
Section 2.0 - Boundaries				
Section 3.0 - Regulatory				
Section 5.1& 5.2 System Function				
Attend Interim Meeting				
Review				
Section 5.3 - System Requirements				
Section 4.0 - Codes and standards				
Section 6.0 - Operation Design Basis				
Section 7.0 - Maintenance Design				
Appendix A				
Appendix B				
Appendix C				
Component Function Matrix				
Con Ed Final Document Review				
				TOTAL

Project: Design Basis Documentation Program

Project Manager: Vincent J. Ammirato

Project description:

Background –
Before the mandated NRC requirement, IP2 realized the need to generate Design Basis Documents. The DBDs prepared by Burns & Roe fulfilled this requirement, but were not of sufficient detail to be of use to all IP2 disciplines

Implementation Phase –
Based on the 1997 50.54(f) commitment letter to the NRC, Con Edison agreed to upgrade the original 22 DBDs as well as prepare 5 additional topical/system DBDs. Because of the extensive amount of revision required to the DBDs, the upgrade has resulted in a complete rewrite of the existing 22 DBDs. New contracts were awarded to Westinghouse Electric, the original NSSS supplier and Raytheon Nuclear, the original architect/engineer of record formerly United Engineers and Constructors.

Selection and sequencing of the systems were based on their risk ranking from the station PSA and the availability of design basis authors.

In order to provide guidance on the preparation, review and revision of the DBDs; a writers guide, a reviewers guide, and various procedures have been prepared.

Maintenance Phase –
The information will be available controlled to the user via the Intranet. The first six DBDs, are available electronically "Read Only" on the Indian Point 2 web page. Any Con Edison employee and all authorized contractors may access the DBD documents along with the associated Major Component Database.

It is the goal of this group to make all of the supporting reference information available via the web page to any end user at their PC therefore minimizing the need for search of hardcopy only supporting information.

Relationship to other projects:
It should be noted that an extensive effort exists to validate the IP2 FSAR. It should be understood that this effort is not a duplicate nor a substitute for the DBDs. Simply, the DBDs provide a roadmap to all design basis information, while validated FSAR contains a small portion of design basis information. The efforts complement each other.

The database portion of the DBDs, namely the Major Component Database was designed to mesh with the Component Function Matrix database, which is another effort derived from the 50.54(f) effort.

Finally, a third effort that has supported the DBD preparation while at the same time supporting ad hoc design document requests is the Westinghouse Design Document Program II. This effort consists of a consortium of nine Westinghouse PWR utilities who have joined in a Westinghouse Owners Group committee to identify, retrieve, index and capture generic and plant specific design basis information. The culmination of this effort is much awaited deliverable on optical platter which should contains close to 15,000 documents on 27 different Westinghouse shop orders.

Resources: Hours / Cost

Internal –
The Design Basis Documentation program requires a dedicated group to manage the creation of the DBDs during the project phase. The DBD group acts as a clearing house for comments between various user groups with the Westinghouse Electric and Raytheon Nuclear, facilitates the recovery of Con Edison: calculations, modifications, nuclear commitments and drawings. The group also facilitates boundary and documentation meetings between the respective engineering groups and the vendor.

During the program phase, the Design Basis Documentation group will be responsible for serving in a custodial role – maintaining the consistency and quality of the DBDs during the change process. Coordinating the update process and identifying weaknesses in the process will be one of its main roles.

External –
The Westinghouse contract has a value of $2,400,000 and is written as T&M. Current projections will require an additional $360 K.

The cost for the remaining BOP DBDs requires $2.22 million for Raytheon. An estimate of $350 K will be needed to deliver a topical DBD, *Cable Separation* by the first quarter of 2002.

ACTIVITY		H0URS	FREQ.	GROUP TOTAL
GET/RST	ALL	8	yearly	40
Town Hall Mtg.	ALL	2	every 60d	60
Continuing Trng	ALL	8	every 90d	108
TODDVILLE				
Intro	gb, wb	40	once	80
Systems	gb, wb	160	once	320
Operability	va,sb,gb,wb	16	once	64
Safety Eval	va,sb,gb,wb	16	once	64
Special Trng				
Learning Center	.			
vja	ALL	16	2	32
sb	ALL	16	2	32
gb	ALL	8	2	16
wb	ALL	8	2	16
ll	ALL	8	2	16
CM Conference	ALL	144	1	720
Outage support	vja		every 2 yr	200
WOG Committee	vja	16	2	32
			TOTAL	**1800**

TASK	GROUP	Estimated Hours	CHANGES /YR	#of DBDs	2000 Hours	#of DBDs	2001 Hours
Prepare PCN Form	SE/DE/NS&L/OPS/DBD						
Mark Up of DBD Page	SE/DE/NS&L/OPS/DBD						
Provide supporting Ref Documents	SE/DE/NS&L/OPS/DBD						
Obtain PCN Number	SE/DE/NS&L/OPS/DBD						
Review by Orig Group Mgr.	SE/DE/NS&L/OPS/DBD						
Review by Sys Eng'r.	SE						
Approval by Design Engineer	DE						
Review and Accept by DBD Mgr.	DBD						
Incorporate PCN into DBD	DBD						
Issue Revised DBD	DBD						

Periodic Reviews of DBDs

Draft Phase DBD

- Include PCNs
- Include Component Function/Maj. Database
- Include other elements
- Include industry documents hours per DBD X

Review

- **Design Engineering** **hours per DBD**
- **System Engineering**
- **Operations**
- **Licensing**

Incorporation of Comments hours per DBD X

Review hours per DBD X

Issue

- Update Webpage hours per DBD X
- Copying of hardcopies

TOTAL HOURS per DBD **hours per DBD** **hours**

DBD Impact -

2001 Assume we perform 13 of 27 periodic review @ hours = hours

2002 Assume we perform 14 of 27 periodic reviews @ hours = hours

Design, System Engineering, Operations and Licensing

2001 Assume they each perform 13 of 27 periodic reviews @ hours = hours

2002 Assume they each perform 14 of 27 periodic reviews @ hours = hours

Indian Point 2
2001 Project Request

1) Title: a. Tech. Spec. Drift Reval. & Set Point Calculations b. EOP Set Points / Rev.1C/1D of the ERGs c. EOP Set Points/ Rev.1A/1B of the ERGs d. Set Point Calculations e. Grade 3 & 4 (Fire Protection) Set Points f. Set Points – Improved Tech. Specs.	**2) Project #:** 4.3.a, b, c, d, e & f
3) Description: See attachment.	
4) Justification: See attachment.	
5) Indian Point 2 Goals Supported:	
6) Budget:	

Dept	Action	2000 + Prior		2001		2002 + Future		**Project Total**	
		Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)
a. CM&C NS&L	TS Drift Reval & SP Calcs								
b. CM&C Gen Supp.	EOP SP/ Rev. 1C/1D ERGs								
c. CM&C Gen.Supp.	EOP SP/ Rev.1A/1B ERGs								
d. CM&C	SP Calcs.								
e. CM&C	Grade 3&4 (FP) SP								
f. CM&C	SP – Improved Tech. Specs.								
g. CM&C	SP – CRS Resolution								
	TOTALS:								

7) Lead Department: CM&C	**8) O & M: X** **Capital:** **XM:**
9) Proposed By: J. Ellwanger	**Date: 12/06/00**
10) Lead Dept. Mgr. Approval:	**Date:**
11) 2001 Budget Approval By:	**Date:**
12) Notes: See attached.	

2001 PROJECT REQUEST #4.3 – DESCRIPTION / JUSTIFICATION:

a. IP Tech. Spec. Drift Reval. & Set Point Calculations

This project revalidates (and improves) the drift values used in the original extension of the operating cycle to 24 months permitting revised plant set points and improved operating margin. Project will also recalculate current Tech. Spec. LSSS values using reduced drift values.

Implementation of NRC GL 91-04 permitted extension of the operating cycle to 24 months. This implementation also resulted in a commitment to the NRC to evaluate and validate instrument drift on an RFO basis. This project is evaluating the 1993, 1995 &1997 RFO surveillance data satisfying the NRC commitment and coincidentally reducing instrument loop errors.

b. EOP Set Points/ Rev. 1C/1D of the ERGs

This project is to revise the EOP set points to be consistent with revision 1C/D of the ERGs. This revision will take advantage of the ERG set point footnote document for revision 1C of the ERGs being developed by the WOG. It will also permit incorporation of the loop uncertainties currently being developed under the Revalidation of the 24 Month Operating Cycle project.

The current EOPs are based upon a combination of Rev. 1A and 1B of the ERGs. Most of the industry has updated their EOPs to reflect revision 1C of the ERGs. Con Ed has delayed their efforts in this area to take advantage of work being done by the WOG and will update the IP-2 EOPs to revision 1D of the ERGs.

c. EOP Set Points/ Rev. 1A/1B of the ERGs

This project initiated in 1999 was undertaken to verify and validate the then current EOPs per the ERG requirements. The effort is essentially complete except for report writing which will carry over into the first three months of 2001.

d. Set Point Calculations

This project provides for error calculations to support the selection of set points in those instances where Design Engineering is unable to provide from in-house resources.

Per SAO-452, Design Engineering is to provide the resources to perform calculations to support the selection of set points. Insufficient in-house resources exist to accomplish this task so that outside resources are necessary. Since to a large degree this constitutes reconstitution of design basis, the work is justifiably supported by Configuration Management.

2001 PROJECT REQUEST #4.3 – DESCRIPTION / JUSTIFICATION (cont'd):

e. Grade 3 & 4 (Fire Protection) Set Points

This task involves establishing the basis for validation and verification of Grade 3 and 4 (Fire Protection) set points as prescribed by SAO-452. These are the last remaining set points that are safety related and therefore of interest to the NRC. The project is split into two phases. Phase I involves identification of how many set points fall into the Grade 3 and 4 (Fire Protection) category which scopes the extent of the task. The second phase involves verification and validation.

The NRC posture today, as reflected in the NRC Standard review plan (chapter 7) requires consideration of uncertainty for all safety related set points. Flexibility is permitted per the Industry standard, ISA 67.04, in the rigor of the basis for each set point.

f. Set Points – Improved Tech. Specs.

This project will be undertaken to support NS&L in upgrading the current Technical Specifications to the Improved Technical Specifications. Effort will be required to generate new set points and Allowable Values. The effort will be initiated in 2001 and completed in that year. However, funds not allocated.

g. Set Points – CRS Resolution

Resolve CRs concerning setpoints. Currently there are over 200 CRs in this category. Also, includes analysis of drift data and coordination of setpoint change requests.

Indian Point 2
2001 Project Request

1) Title: Calculation Indexing, Process and Procedure	**2) Project #:** 4.4

3) Description: This project is to provide a calculation database and procedures and training. This database will have in it the official calculation indexing data from all Indian Point groups who do calculations. It will establish a uniform policy for numbering, format and mandatory information required for each calculation. It will connect input and output relationships from calculations that affect one another and will enable quick search and retrieval.

4) Justification: The current calculation methodologies are different for various groups at IP 2. It is difficult to find interdependencies between different calculations and calculations done by different groups and outside vendors. There is no one place where this information resides and this can lead to significant inefficiencies and potential errors.

5) Indian Point 2 Goals Supported:

6) Budget:

Dept	Action	2000 + Prior		2001		2002 + Future		**Project Total**	
		Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)
CM&C									
	TOTALS:								

7) Lead Department: CM&C	**8) O & M: X** **Capital:** **XM:**
9) Proposed By:	**Date: 09/11/00**
10) Lead Dept. Mgr. Approval:	**Date:**
11) 2001 Budget Approval By:	**Date:**

12) Notes:

Indian Point 2
2001 Project Request

1) Title: Operating Equipment (OE) Staff Augmentation	**2) Project #:** 4.5

3) Description:

4) Justification

5) Indian Point 2 Goals Supported:

6) Budget:

Dept	Action	2000 + Prior		2001		2002 + Future		**Project Total**	
		Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)
CM&C									
	TOTALS:								

7) Lead Department: CM&C	**8) O & M: X** **Capital:** **XM:**
9) Proposed By:	**Date: 12/07/00**
10) Lead Dept. Mgr. Approval:	**Date:**
11) 2001 Budget Approval By:	**Date:**

12) Notes:

Indian Point 2
2001 Project Request

1) Title: Training	**2) Project #:** 4.6

3) Description: Provide training to the station in UFSAR, Licensing Basis and Design Basis Documents.

4) Justification:

5) Indian Point 2 Goals Supported:

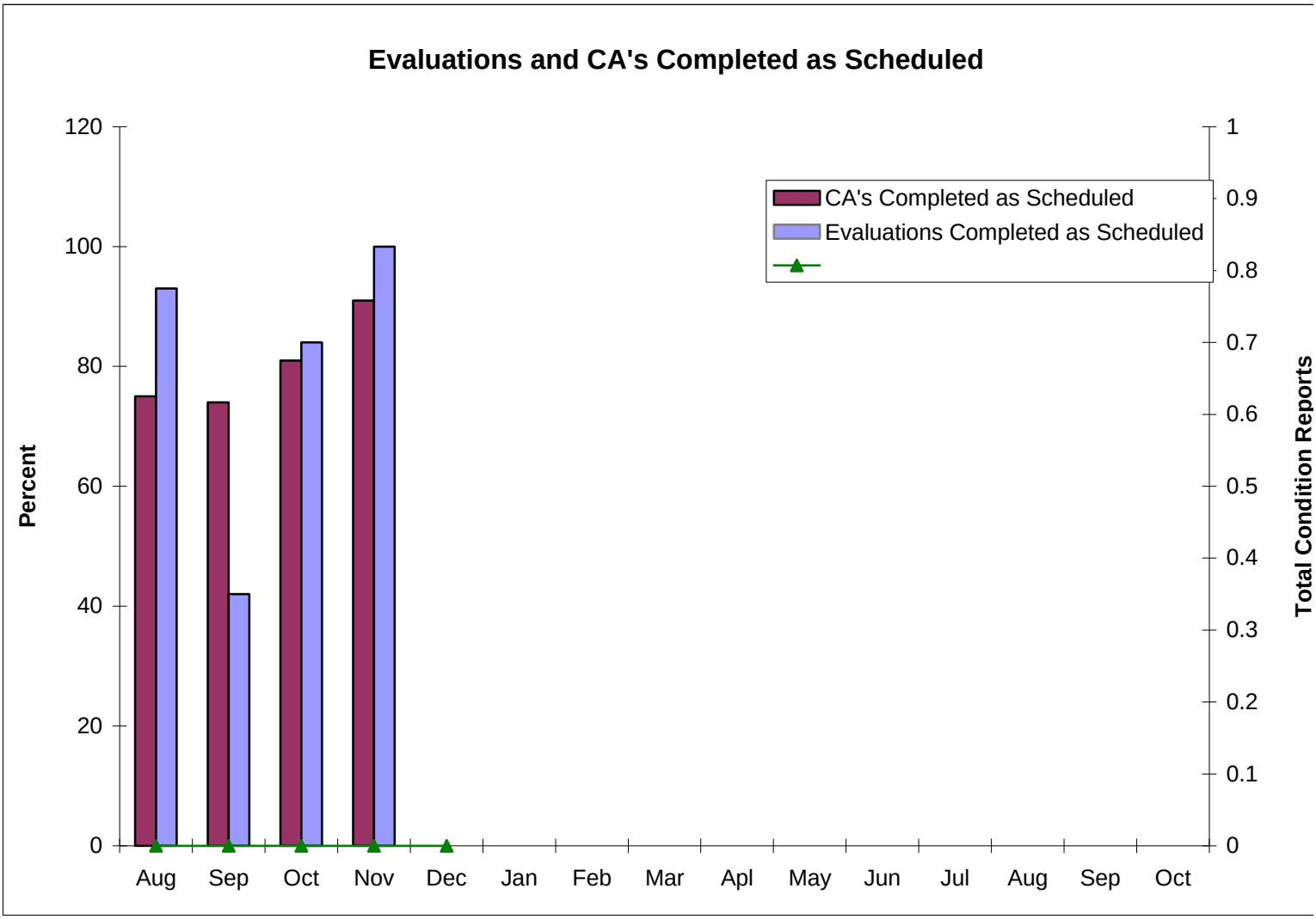
6) Budget:

Dept	Action	2000 + Prior		2001		2002 + Future		**Project Total**	
		Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)	Con Ed Hrs.	Outside $s (000)
CM&C									
	TOTALS:								

7) Lead Department: CM&C	**8) O & M: X** **Capital:** **XM:**
9) Proposed By:	**Date: 12/07/00**
10) Lead Dept. Mgr. Approval:	**Date:**
11) 2001 Budget Approval By:	**Date:**

12) Notes:

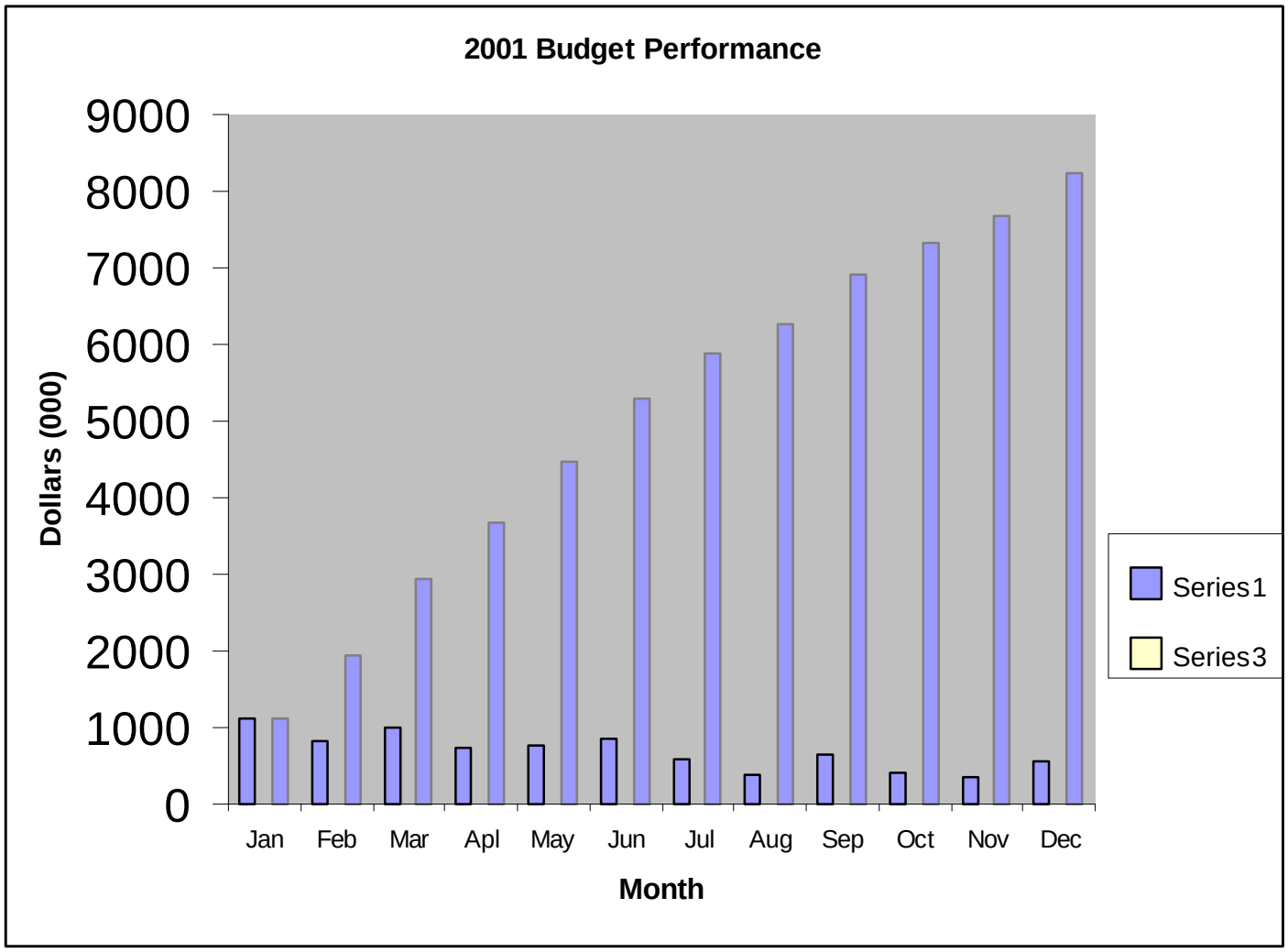
5. Performance Indicators



Month	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
CA's Completed as Scheduled	75	74	81	91											
Evaluations Completed as Scheduled	93	42	84	100											

INDICATOR DESCRIPTION:
This indicator shows the percentage of Evaluations and Corrective Actions completed each month that were scheduled for completion that month. The data is taken from the CRS Web page "CAP Performance Indicators-Monthly". One of the station 2001 Goals is to achieve adherence to our work schedules of greater than or equal to 85%.

ANALYSIS:
The August and September 2000 data indicates we will need to improve performance to achieve the station 2001 goal.



Month	Jan	Feb	Mar	Apl	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
A/P Monthly Budget												
A/P Monthly Actual												
A/P Year to Date Budget												
A/P Year to Date Actual												

Indicator Description: This indicator will show the monthly and year to date budget verses the actual performance of Configuration Management. Tracking and managing our use of company resources is an important aspect of our performance.

Analysis: The data shown is the proposed Business Plan.

DBD PERFORMANCE INDICATORS

DBD Titles	DBD Started	Rev A Complete & Interim Meeting	Rev B Complete	Rev 0 for Approval	Rev 0 Issued
1. Chemical and Volume Control System	Due: Actual: 04/10/00	Due: 05/31/01 Actual:	Due: 07/02/01 Actual:	Due: 09/01/01 Actual:	Due: 12/31/01 Actual:
2. Component Cooling Water	Due: 02/01/01 Actual:	Due: 08/15/01 Actual:	Due: 09/14/01 Actual:	Due: 11/01/01 Actual:	Due: 12/31/01 Actual:
3. Nuclear Instrumentation System (incl. Incore Movable Detector System)	Due: 01/02/01 Actual:	Due: 10/04/01 Actual:	Due: 11/07/01 Actual:	Due: 12/18/01 Actual:	Due: 12/31/01 Actual:
4. Reactor Vessel and Internals	Due: 01/02/01 Actual:	Due: 06/22/01 Actual:	Due: 07/30/01 Actual:	Due: 09/24/01 Actual:	Due: 12/31/01 Actual:
5. Main Steam System	Due: 10/01/00 Actual:	Due: 04/15/01 Actual:	Due: 06/15/01 Actual:	Due: 08/01/01 Actual:	Due: 12/31/01 Actual:
6. Emergency Diesel Generator System (incl. Sequencer)	Due: 10/01/00 Actual:	Due: 07/01/01 Actual:	Due: 08/15/01 Actual:	Due: 10/15/01 Actual:	Due: 12/31/01 Actual:
7. Nuclear HVAC System	Due: 01/01/01 Actual:	Due: 08/01/01 Actual:	Due: 10/01/01 Actual:	Due: 12/01/01 Actual:	Due: 12/31/01 Actual:

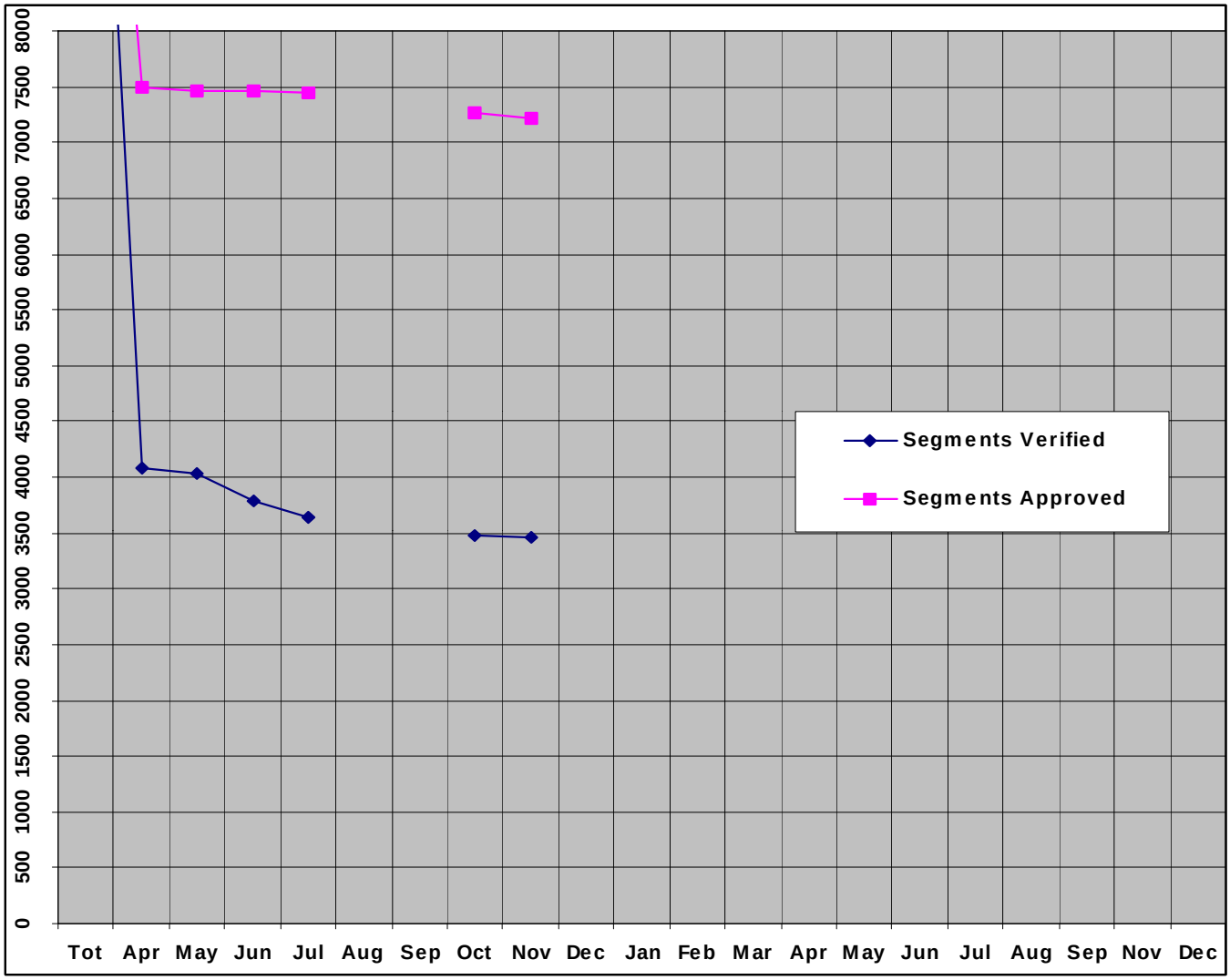
INDICATOR DESCRIPTION:

7 DBDs will be written in 2001.
Presents the status of each DBD; draft through issuance.

Boxes in green represent meeting the due date for completion;
Boxes in red represent not meeting the due date for completion.

ANALYSIS:

UFSAR Segment Verification and Approval

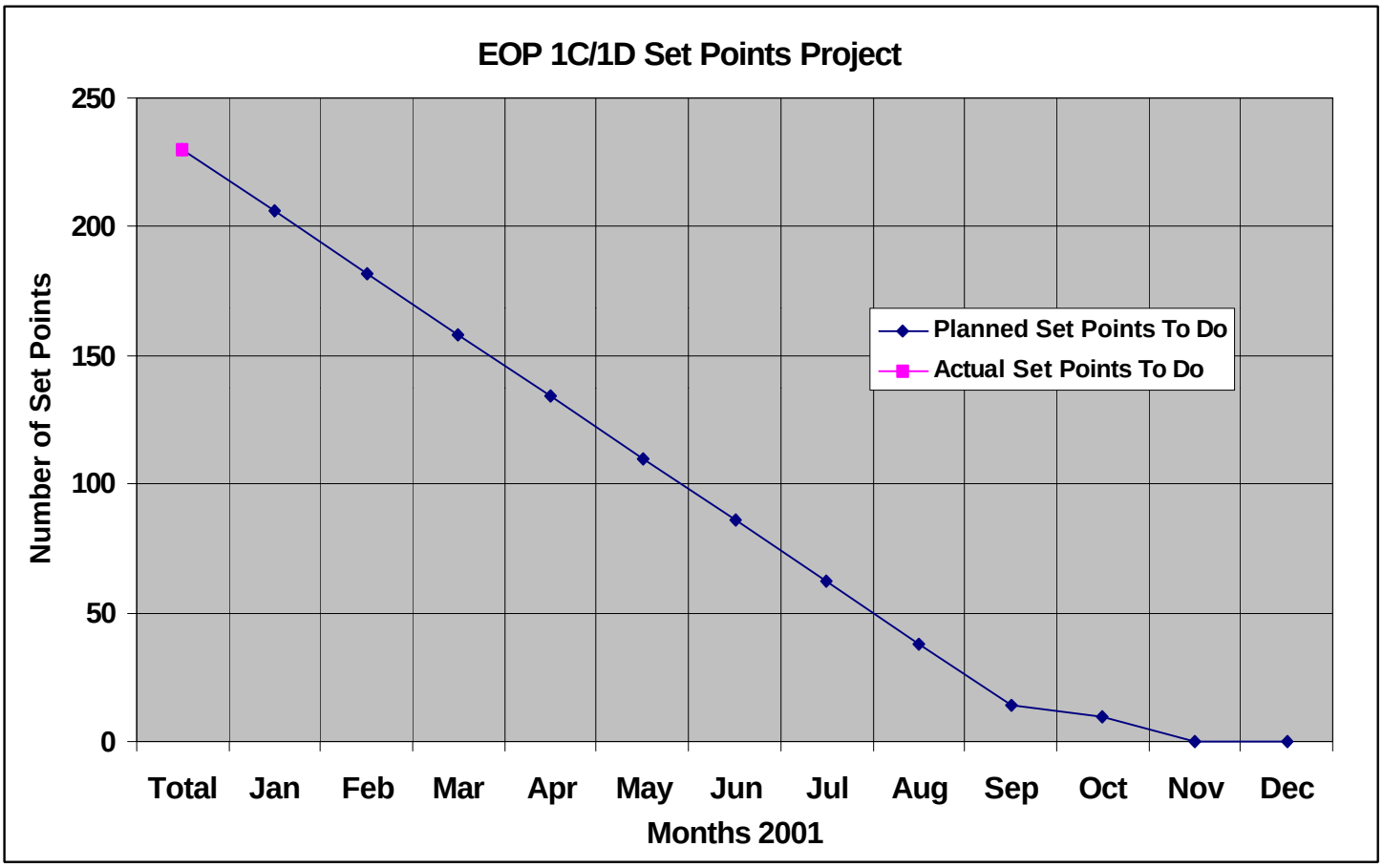


	Tot	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Segments to Verify	13416	4081	4025	3781	3635			3472	3469											
Segments to Approve	13416	7489	7456	7457	7447			7261	7221											

INDICATOR DESCRIPTION:

This indicator shows progress in completing the verification and approval of the UFSAR segments. The UFSAR Team in the Configuration Management organization verifies the segments. These segments are then available to the assigned line organization at Indian Point 2 for approval. The objective is to complete verification and approval of all segments except for the design requirement segments outstanding as a result of the associated Design Basis Document likewise being outstanding by the end of 2001. It is estimated that there will be roughly 500 such segments outstanding by the end of 2001. The data shown is the sum of the UFSAR Text and Table/Figure segments, thus covering the entire UFSAR. The data was taken from the weekly status report nearest the end of the month shown.

ANALYSIS:



	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Planned Set Points To Do	230	206	182	158	134	110	86	62	38	14	10	0	0
Actual Set Points To Do	230												

Indicator Description:

This performance indicator shows the planned verses actual work down curve of Emergency Operating Procedures (EOP) Setpoints to be updated under the Emergency Response Guidelines Revision 1C/1D. This effort supports the overall effort to update the EOP's to the 1C/1D Guidelines being conducted by Operations, Generation Support. John Ellwanger needs to confirm the planned Set Points work down.

Analysis:

6. Appendices

6.1 Functional Responsibility

Configuration Management and Control delivers accurate technical information in a quick effective way to those who require it. CM&C manages various Design and License Basis projects, including the FSAR verification project, the Design Basis Document project, the Licensing Basis Review project and the Setpoint Reconstitution project. CM&C provides and maintains a FSAR verification database, a Component Function database, the SPIN Setpoint database and the Operating Equipment (OE) database and is responsible for the procedures and processes for maintaining these documents and associated databases.

6.2 *Personnel Information*

Name	Title	Highest Degree	Professional License	Con Ed Experience	Total Related Experience
MANAGEMENT					
RYFF	DEPARTMENT MANAGER	BE ELECTRICAL ENGINEERING	PROF. ENG. IN NYS	30	31
AMMIRATO	DEPARTMENT MANAGER	MS, METAL. ENGINEERING	NYS CERT. OF INTERN ENGINEERING	20	27
BARTMANN	ENGINEER	MSME	0653109	29	29
BOGHOSIAN	SR. ENGINEER	BS ENGINEERING	TX STATE P.E.	1	31
BLOSS	PROJECT SPECIALIST	ASSOC. NUC. ENGINEERING	N/A	1	20
BROWN	ENGINEER	BE, ME	N/A	19	27
CARBON	ASSOC. SPECIALIST	HS	N/A	26	26
CONRAD	SR. SPECIALIST	BS, GEOLOGY; MBA	N/A	14	19
ELLWANGER	PRINCIPAL ENGINEER	B. CH. ENGINEERING	P. E.	18	41
FAVINO	SPECIALIST	AAS	N/A	15	19
HINRICHS	SECTION MANAGER	MBA MGT & TECH	N/A	19	25
LIBERATORI	DEPARTMENT MANAGER	BS-ME	NYS P.E.	28	28
PICCININNI	SYSTEMS SPECIALIST	HS	N/A	28	28
QUIRK	PRINCIPAL ENGINEER	BS NUC. ENG.; ME NUC. ENG.	SR. REACTOR OPERATOR	38	38
REMSHAW	PROJECT MANAGER	MBA; MS NUC. ENG.	N/A	31	34
TOTALS	**15 MANAGEMENT**	-	-	**317 YRS**	**423 YRS**

Personnel Information (cont'd)

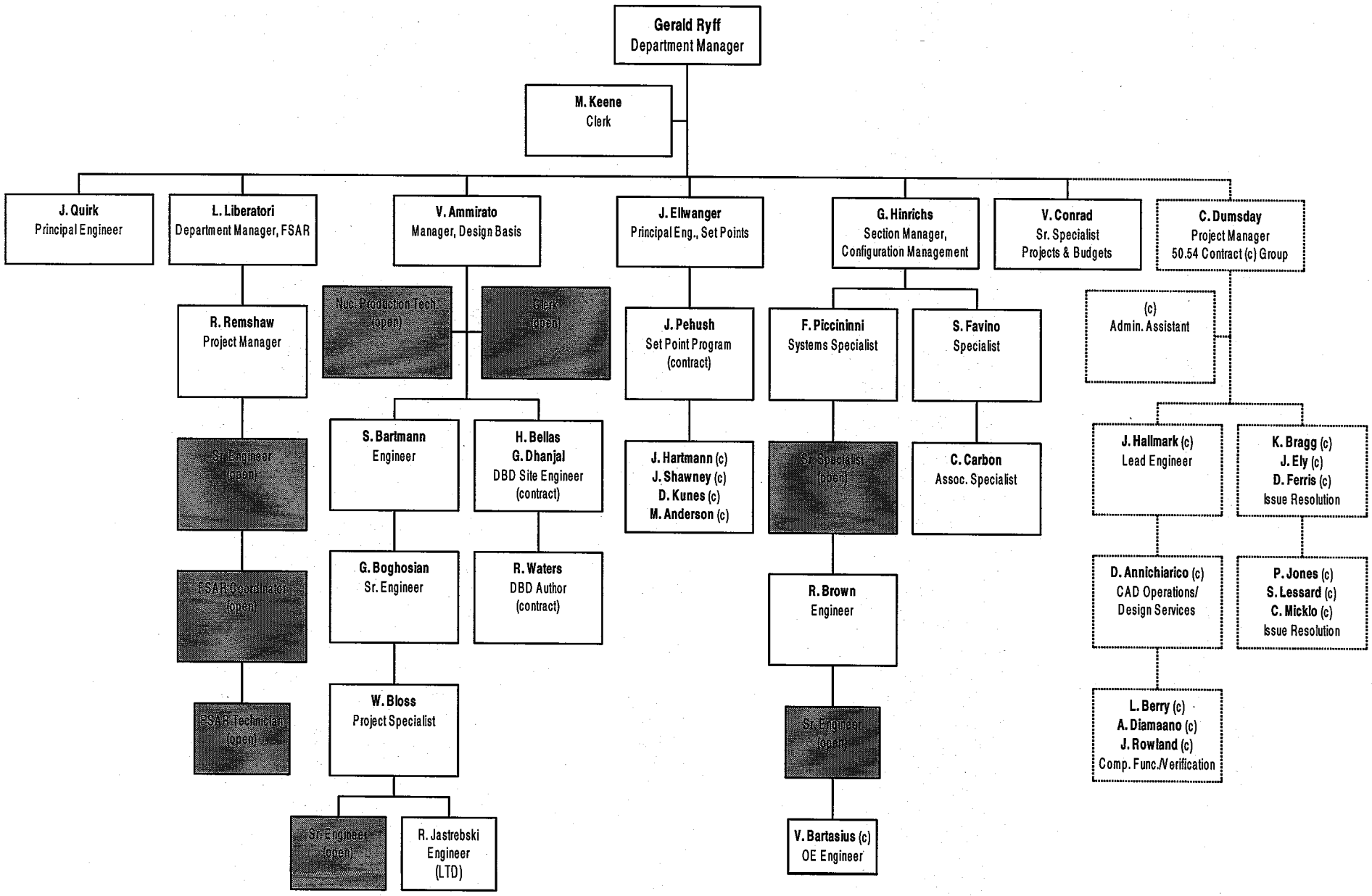
WEEKLY					
KEENE	SR. CLERK	-	-	-	-
TOTALS (WEEKLY)	**1 WEEKLY**	-	-	-	-
CONTRACTORS (CURRENT)					
DBD GROUP - 3	-	-	-	-	-
SET POINT GROUP – 5	-	-	-	-	-
OE GROUP – 1	-	-	-	-	-
FSAR GROUP - 12	-	-	-	-	-
TOTAL(CONTRACT)	**21 CONTRACTORS**	-	-	-	-
OPEN POSITIONS (CURRENT)					
SR. ENGINEER, UFSAR (M)	-	-	-	-	-
SR. ENGINEER, OE (M)	-	-	-	-	-
SR. SPECIALIST, OE (M)	-	-	-	-	-
SR. ENGINEER, DBD (M)	-	-	-	-	-
UFSAR COORDINATOR (M)	-	-	-	-	-
TECHNICIAN, FSAR (W)	-	-	-	-	-
NUC. PRODUCTION TECHNICIAN (W)	-	-	-	-	-
CLERK, DBD (W)	-	-	-	-	-
TOTALS OPEN	**5 MANAGEMENT 3 WEEKLY**	-	-	-	-

Authorized Positions

	Management	Weekly	Totals
2000 Budget	17	2	19
2001 Budget	17	4	21
Change	**0**	**2**	**2**

6.3 Organization Chart

Configuration Management and Control Organization Chart



6.4 Operational Overview

This section covers routine, ongoing functions and activities of the organization.

	Project/Program	Project/Program Description	Estimated Con Ed Hrs.	Estimated Outside Support $s (000)
6.4.1	Operational Equipment (OE) Program	Review Modifications and work orders, and update and maintain the OE database in PPMIS, and the TNMS database. Oversee and administer program implementation and usage.		
6.4.2	Design Basis Document (DBD) Program	Maintain Design Basis Documents current. See Project 7.3.		
6.4.3	UFSAR Program	Maintain living UFSAR current. (Oversee and administer implementation of living UFSAR program; process UFSAR change requirements and assoc. database update/maint.; development and maintenance of associated procedures; resolution of CRS items, etc.)		
6.4.4	Modification Coordinating & Tracking	Coordinate Mod reviews/ maintain Mod Tracking System up to date.		
6.4.5	Emergency Plan Participation	Emergency Plan Drills/ training		
6.4.6	CR resolution	Investigate and complete CRs		
6.4.7	Mgmt. & Supervision	Time spent in management and supervisory functions; including planning, delegation and oversight (Gerry = 1400 Hrs, Frank = 300 Hrs, Vinnie = 160 Hrs, UFSAR/SPPRT = 200 Hrs)		
6.4.8	Training	Complete all continuing and qualification training including GET, ESP, etc.; ESP = 13 people @ 120 Hrs; GET = 17 people @ 4 Hrs.; Dept. training coordination = 300 Hrs.; Contractors = 20 people X 80 Hrs. X $xx/Hr.		
6.4.9	Subject Matter Expert Training	DBD, UFSAR		
6.4.10	Vacation/Holiday/Sick/FMLA/ LTD	V = 2620 Hrs. (based on vacation allotted to 17 people on payroll; H = 17 people x 11 Hol. x 8 Hrs. = 1496 Hrs.; Sick = 17 people x 5 days ea. X 8 Hrs = 680 Hrs.; FMLA = 480 Hrs.; LTD = 1 person = 1750 Hrs.		

6.4 Operational Overview (cont'd.)

	Project/Program	Project/Program Description	Estimated Con Ed Hrs.	Estimated Outside Support $s (000)
6.4.11	Requests for Info, emergent work	Time allocated for work that emerges over the course of the year that must be done to support safe and reliable operation Assume 10% of 17 personnel hours.		
6.4.12	NRC Insp. & QA Audit support; Self Assessments; Safety Commitees	Setpoint Group = 400 Hrs. NRC Insp., 200 Hrs. QA Audits; NFSC support and participation = 300 Hrs		
6.4.13	Dept. Business functions	POs contracts, invoices, Budget tracking and projections; SAOs/Procedures		
6.4.14	Operating Experience; Benchmarking and Industry Conferences; outside meetings and preparation	UFSAR Group = 250 Hrs (e.g., WOG EPRI, License Renewal, etc.); Setpoint Group = 160 Hrs. Industry Conferences; V. Ammirato; R. Brown = 130 Hrs.		
6.4.15	Misc. Expenses	Supplies, etc.		
		Total Estimated Con Ed Person-Hours		
		Total Estimated Outside Support $'s (000)		

6.5 Resource Analysis

Section	Item	Estimated Con Ed Person-Hours	Con Ed Labor Dollars (000)	Estimated Outside Support $'s (000)	Total Estimated Dollars (000)
6.4	Operational Overview				
4	Requested Project Support				
6.4 + 4	Total Planned Resources				
	Approved 2001 Budget				

* 239 months X 173.3 hours/month =

** $xxxxx / 41,418 hrs. = $xx/hr. X 44,046 hrs. = $xxxx