

### 3.8 ELECTRICAL POWER SYSTEMS

#### 3.8.7 Inverters - Operating

LCO 3.8.7 The following inverters shall be OPERABLE.

- a. Two Red Train inverters (Y11 and Y13, Y11 and Y15, or Y13 and Y15), and
- b. Two Green Train inverters (Y22 and Y24, Y22 and Y25, or Y24 and Y25),

-----NOTE-----  
One of the four inverters required by LCO 3.8.7.a and LCO 3.8.7.b may be disconnected from its associated DC bus for  $\leq 2$  hours to perform load transfer to or from the swing inverter, provided:

- a. The associated 120 VAC bus is energized from its alternate AC source; and
  - b. The other three 120 VAC buses are energized from their associated OPERABLE inverters.
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APPLICABILITY: MODES 1, 2, 3, and 4.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One of the four inverters required by LCO 3.8.7.a and LCO 3.8.7.b inoperable.	<p>A.1 -----NOTE----- Enter applicable Conditions and Required Actions of LCO 3.8.9, "Distribution Systems - Operating" with any of the 120 VAC buses RS1, RS2, RS3, or RS4 de-energized.</p> <p>-----</p> <p>Restore inverter to OPERABLE status.</p>	<p>24 hours</p> <p><u>AND</u></p> <p>96 hours from discovery of failure to meet LCO</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. Required Action and associated Completion Time not met.  <u>OR</u>  Two or more of the four inverters required by LCO 3.8.7.a and LCO 3.8.7.b inoperable.	B.1 Be in MODE 3.	12 hours
	<u>AND</u>  B.2 Be in MODE 5.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.8.7.1	Verify correct inverter voltage, frequency, and alignment to associated 120 VAC buses RS1, RS2, RS3, and RS4.	7 days

### 3.8 ELECTRICAL POWER SYSTEMS

#### 3.8.9 Distribution Systems - Operating

LCO 3.8.9 Two AC, DC, and 120 VAC electrical power distribution subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3, and 4.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more AC electrical power distribution subsystem(s) inoperable.	A.1 Restore AC electrical power distribution subsystem(s) to OPERABLE status.	8 hours  <u>AND</u>  16 hours from discovery of failure to meet LCO
B. One or more 120 VAC electrical power distribution subsystem(s) (RS1, RS2, RS3, RS4) inoperable.	B.1 Restore 120 VAC electrical power distribution subsystem(s) to OPERABLE status.	8 hours  <u>AND</u>  16 hours from discovery of failure to meet LCO
C. One or more DC electrical power distribution subsystem(s) inoperable.	C.1 Restore DC electrical power distribution subsystem(s) to OPERABLE status.	8 hours  <u>AND</u>  16 hours from discovery of failure to meet LCO
D. Required Action and associated Completion Time not met.	D.1 Be in MODE 3.  D.2 Be in MODE 5.	12 hours  36 hours

CONDITION	REQUIRED ACTION	COMPLETION TIME
E. Two or more electrical power distribution subsystems inoperable that result in a loss of function.	E.1 Enter LCO 3.0.3.	immediately

#### SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.8.9.1	Verify correct breaker alignments to required AC, DC, and 120 VAC bus electrical power distribution subsystems.	7 days