

October 2, 2017

The Board of Commissioners of Public Utilities  
Prince Charles Building  
120 Torbay Road, P.O. Box 21040  
St. John's, NL A1A 5B2

**Attention: Ms. Cheryl Blundon**  
**Director Corporate Services & Board Secretary**

Dear Ms. Blundon:

**Re: The Board's Investigation and Hearing into Supply Issues and Power Outages on the  
Island Interconnection System – Winter Readiness Planning Report**

Further to the Board's correspondence of October 13, 2016, please find enclosed the original plus 12 copies of Hydro's report entitled *A Report to the Board of Commissioners of Public Utilities Regarding 2017-18 Winter Readiness Planning*.

Please note that Hydro is following the filing dates as set by the Board in its correspondence of October 13, 2016.

Also, please note that due to the timing of information received by Hydro which is necessary to ensure accuracy in the Winter Readiness Planning Reports, Hydro is requesting an extension for filing the next Winter Readiness Planning Report from November 30, 2017 to December 8, 2017. This extension is consistent with the filing dates as approved by the Board for the 2016-2017 winter season.

Should you have any questions, please contact the undersigned.

Yours truly,  
**NEWFOUNDLAND AND LABRADOR HYDRO**



Michael Ladha  
Legal Counsel & Assistant Corporate Secretary

ML/SC

cc: Gerard Hayes – Newfoundland Power  
Paul Coxworthy – Stewart McKelvey Stirling Scales  
Sheryl Nisenbaum – Praxair Canada Inc.  
ecc: Roberta Frampton Benefiel – Grand Riverkeeper Labrador

Thomas Johnson, Q.C. – Consumer Advocate  
Thomas O' Reilly, Q.C. – Cox & Palmer  
Danny Dumaresque



A Report to the Board of Commissioners of Public Utilities  
Regarding 2017-18 Winter Readiness Planning

October 2, 2017

*A Report to the Board of Commissioners of Public Utilities*





## Table of Contents

|       |  |    |
|-------|--|----|
| 1.0   | Background and Introduction .....                            | 1  |
| 2.0   | Annual Work Plan Status .....                                | 2  |
| 2.1   | AWP and WR Status: Holyrood Thermal Generating Station ..... | 3  |
| 2.2   | AWP and WR Status: Gas Turbines .....                        | 5  |
| 2.3   | AWP and WR Status: Hydraulic Units.....                      | 7  |
| 2.4   | AWP and WR Status: Transmission and Terminal Stations.....   | 10 |
| 3.0   | Status of Winter Readiness For Capital Projects .....        | 13 |
| 4.0   | Plant and Equipment Testing.....                             | 14 |
| 4.1   | Thermal Generation .....                                     | 14 |
| 4.2   | Hydraulic Generation .....                                   | 15 |
| 4.3   | Transmission and Terminal Stations .....                     | 15 |
| 4.3.1 | Transmission .....   | 15 |
| 4.3.2 | Terminal Stations .....                                      | 16 |
| 4.3.3 | Transmission and Terminal Station Testing.....               | 16 |
| 4.4   | Gas Turbines – Holyrood, Hardwoods and Stephenville .....    | 17 |
| 5.0   | Generation Outage Schedule.....                              | 17 |
| 6.0   | Critical Spares.....   | 17 |
| 6.1   | Overview .....   | 17 |
| 6.2   | 2017-18 Winter Season.....                                   | 18 |
| 7.0   | Forecasted Loads, Capacity and Reserves .....                | 19 |
| 8.0   | Risks and Risk Mitigation .....                              | 21 |
| 8.1   | Capital Projects.....  | 21 |
| 8.2   | Thermal Generation .....                                     | 22 |
| 8.3   | Transmission Line TL267 .....                                | 23 |
| 8.4   | Gas Turbines.....  | 24 |
| 9.0   | Conclusion.....  | 24 |

**Appendices**

- Appendix A Status of 2017 Capital Projects Related to Winter Readiness
- Appendix B Status of Winter Readiness Testing – Thermal Generation
- Appendix C Status of Winter Readiness Testing – Hydraulic Generation
- Appendix D Master Generation Outage Schedule – September 1 to December 31, 2016
- Appendix E Critical Spares Status Listing – Thermal Generation
- Appendix F Critical Spares Status Listing – Gas Turbines
- Appendix G Critical Spares Status Listing – Hydraulic Generation

1 **1.0 Background and Introduction**

2 This Report is in response to a request by the Board of Commissioners of Public Utilities (the  
3 Board) in a letter dated October 13, 2016, that Newfoundland and Labrador Hydro (Hydro)  
4 provide a report related to its winter readiness planning for the 2017-18 winter season. This  
5 Report addresses the following items as requested by the Board:

- 6 1. The status of Annual Work Plan (AWP) items, in the format previously provided to the  
7 Board, for Hydro's generating plants and transmission and terminal stations, including  
8 the completion date; outstanding items to complete; and any risks to completion or as  
9 a result of failure to complete;
- 10 2. A description and schedule for all outstanding 2017 capital projects for Hydro's  
11 generating plant and transmission and terminal stations, including progress on  
12 completion status to date and expected completion date;
- 13 3. The identification of all equipment and plant testing to be carried out in advance of the  
14 winter period (generation plant, emergency diesels, black start generators, fire  
15 systems, transmission system equipment), including progress on completion status to  
16 date;
- 17 4. The planned generation outage schedule for the period September to December 31,  
18 2017, including an explanation for any planned outages extending beyond December  
19 1, 2017;
- 20 5. An update of critical spares assessment and procurement;
- 21 6. The forecast loads and expected generation capacity and reserves (setting out the  
22 basis for calculation) for the upcoming winter, as of December 1, 2017, and including  
23 capacity assistance agreements in place or planned; and,
- 24 7. An identification of any risks that could impact the winter readiness of assets as of  
25 December 1, 2017 and associated contingency plans.

26  
27 For additional clarity with respect to item 1 above, Section 2 of the 2017-2018 Winter  
28 Readiness Report includes both the entire Annual Work Plan (AWP) and the specific AWP  
29 winter readiness (WR) progress charts. All data in this report is as of September 16, 2017.

1 **2.0 Annual Work Plan Status**

2 Hydro's Annual Work Plan (AWP) integrates all planned activities for the year related to the  
3 corrective maintenance, preventive maintenance, and capital project support, which are  
4 critical to safe and reliable production. Hydro regularly measures the progress of AWP  
5 execution in comparison with plan and is able to track the AWP status down to the level of  
6 individual work plan items. For consistency, the individual AWP's are incorporated into an  
7 integrated AWP (IAWP).

8

9 This Report produces a consolidated summary of actual AWP progress, both for the entire  
10 plan (first chart in each set) and the winter readiness (WR) tasks (second chart in each set),  
11 versus the plan, as of September 16, 2017 for each of the following areas of operations:

12 1) Holyrood Thermal Generating Station:

- 13 a. Units 1, 2 and 3; and,
- 14 b. Balance of Plant, including black-start diesels.

15 2) Gas Turbines:

- 16 a. Holyrood Gas Turbine;
- 17 b. Hardwoods; and,
- 18 c. Stephenville.

19 3) Hydraulic Generation:

- 20 a. Bay d'Espoir;
- 21 b. Cat Arm;
- 22 c. Hind's Lake;
- 23 d. Paradise River;
- 24 e. Upper Salmon; and,
- 25 f. Granite Canal.

26 4) Transmission and Terminal Stations:

- 27 a. Transmission; and,
- 28 b. Terminal Stations.

1 Each chart includes the completed and remaining AWP and WR tasks, as well as a progress bar  
 2 indicating the planned task completion target to date.

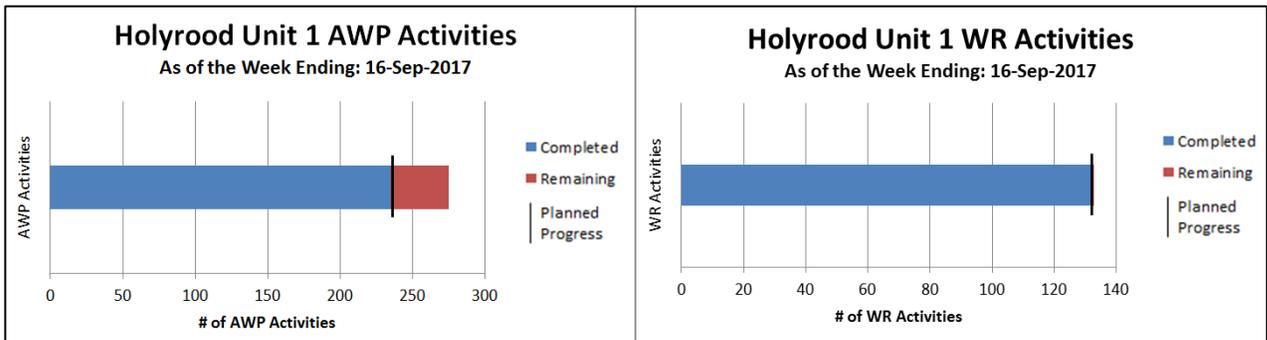
3

4 A text box below each WR chart below indicates Hydro’s forecasted completion status as of  
 5 September 16, 2017 in relation to AWP winter readiness activities (Green: On Target, Yellow:  
 6 Caution – Recovery Required, Red: Target Will Not be Fully Met). Relevant highlights are also  
 7 provided.

8

9 **2.1 AWP and WR Status: Holyrood Thermal Generating Station**

10 The status of AWP and winter readiness execution at Holyrood is summarized in the charts  
 11 below. As noted, all planned 2017 winter readiness work is expected to be complete by  
 12 December 1, 2017.

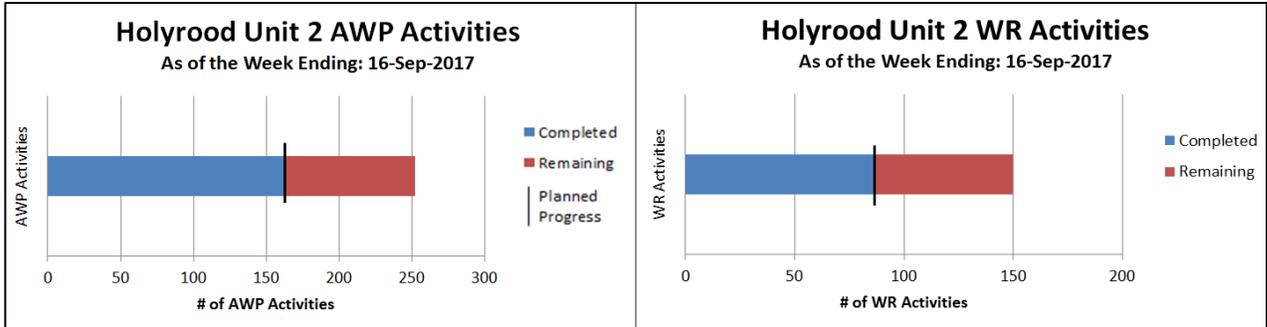


**Holyrood Unit 1:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Unit 1 overall AWP completion status, including work in progress, is 85% to date.
- Unit 1 planned winter readiness work completion status is 99% complete to date.
- Annual outage complete as of September 15, 2017.
- Remaining on-line planned work is on schedule for successful completion by December 1, 2017.

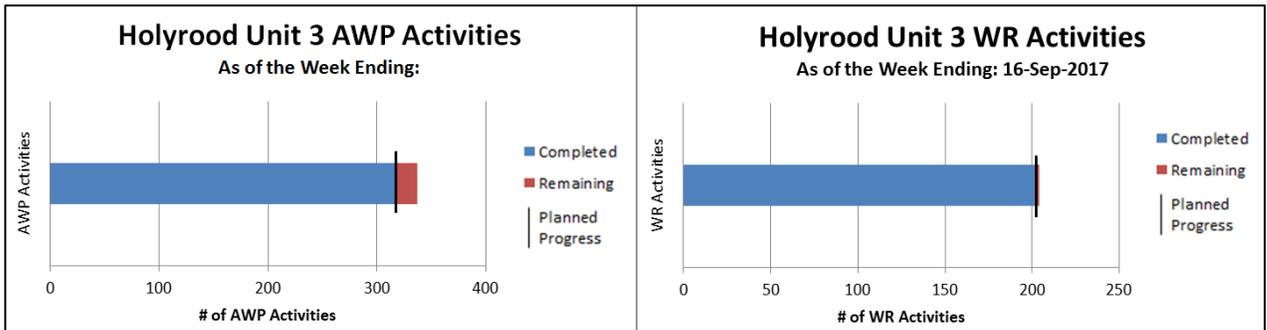


**Holyrood Unit 2:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Unit 2 overall AWP completion status, including work in progress, is 65% to date.
- Unit 2 planned winter readiness work completion status is 58% complete to date.
- Annual outage in progress, with a targeted completion date of October 27, 2017.
- Remaining on-line planned work is on schedule for successful completion by December 1, 2017.

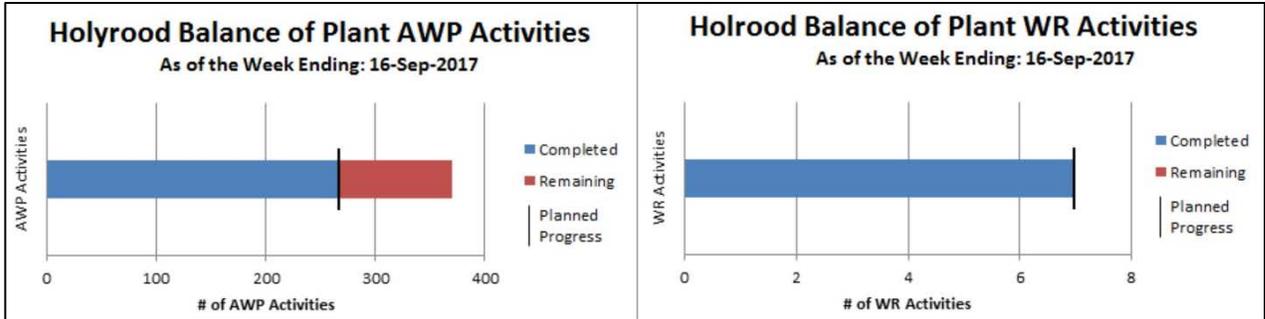


**Holyrood Unit 3:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Unit 3 overall AWP completion status, including work in progress, is 94% to date.
- Unit 3 planned winter readiness work completion status is 99% complete to date.
- Annual outage complete as of June 16, 2017.
- Remaining on-line planned work is on schedule for successful completion by December 1, 2017.



**Holyrood – Balance of Plant:**

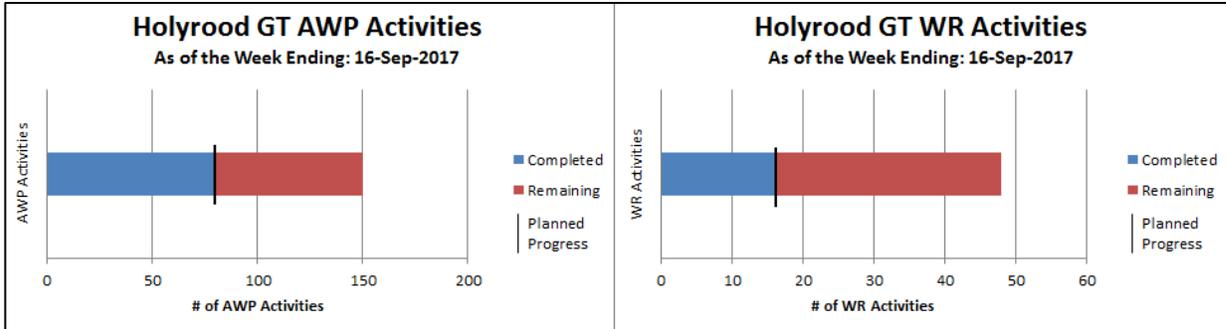
**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Balance of plant overall AWP completion status, including work in progress, is 72% to date.
- Balance of plant activities do not pertain to any specific operating unit and represent a significant portion of Holyrood’s on-line preventive maintenance program.
- Balance of plant planned winter readiness activities is 100% complete.
- Remaining on-line planned work is on schedule for successful completion by December 1, 2017.

1 **2.2 AWP and WR Status: Gas Turbines**

2 The current status of the Annual Work Plan and winter readiness execution at the Holyrood  
 3 Gas Turbine, and the Hardwoods and Stephenville gas turbines is summarized in the following  
 4 charts. 53% of the Annual Work Plan and winter readiness work has been completed for the  
 5 Holyrood Gas Turbine and 47% of the Annual Work Plan and winter readiness activities are  
 6 completed for Hardwoods and Stephenville. Outages are planned for all sites in the October -  
 7 November timeframe to complete remaining capital and maintenance work, which requires  
 8 equipment outages. Remaining non-outage winter readiness work is on target, to be  
 9 completed by December 1, 2017.

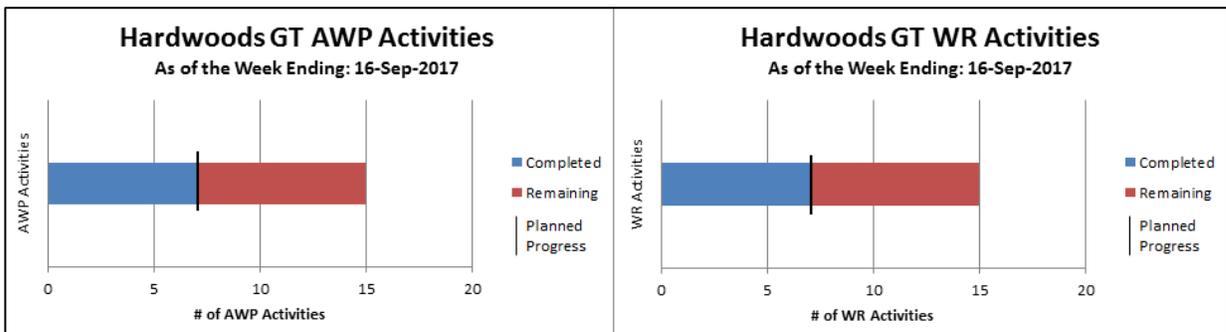


**Holyrood Gas Turbine:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Holyrood GT overall AWP completion status, including work in progress, is 53% to date.
- Holyrood GT planned winter readiness completion status is 33% complete to date.
- Unit outage currently scheduled for November 2017.
- All winter readiness activities are on schedule for successful completion by December 1, 2017.

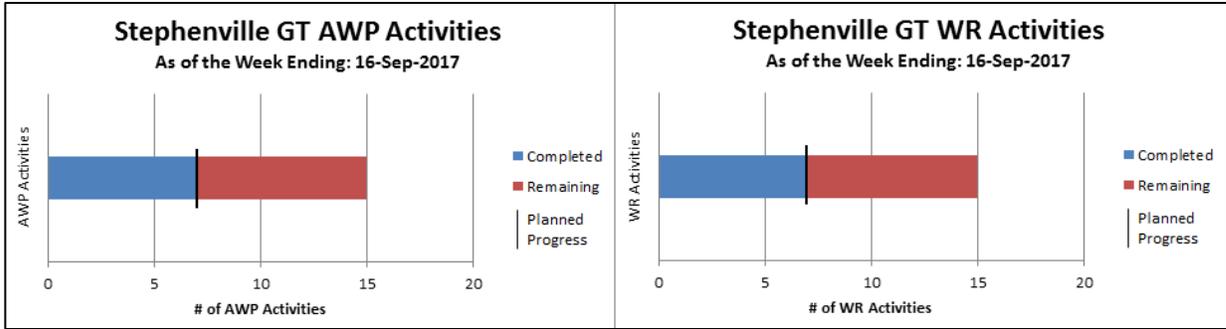


**Hardwoods Gas Turbine:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Hardwoods GT overall AWP completion status, including work in progress, is 47% to date.
- Hardwoods GT planned winter readiness completion status is 47% complete to date.
- Unit outage currently scheduled for November 13-19, 2017.
- All winter readiness activities are on schedule for successful completion by December 1, 2017.



**Stephenville Gas Turbine:**

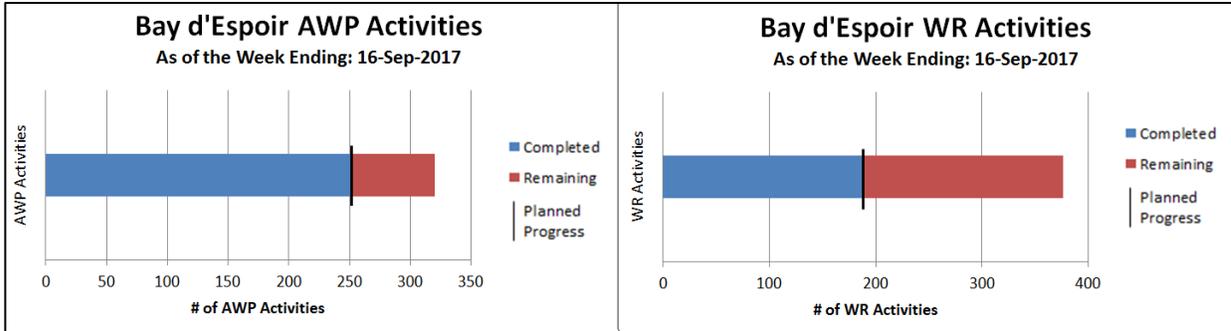
**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Stephenville GT overall AWP completion status, including work in progress, is 47% to date.
- Stephenville GT planned winter readiness completion status is 47% complete to date.
- Unit outage currently scheduled for October 30 – November 3, 2017.
- All winter readiness activities are on schedule for successful completion by December 1, 2017.

1 **2.3 AWP and WR Status: Hydraulic Units**

2 The current status of AWP and winter readiness execution at Bay d’Espoir and other hydraulic  
 3 generation facilities is summarized in the charts below. As noted, it is expected that all  
 4 planned 2017 winter readiness activities will be completed by December 1, 2017.

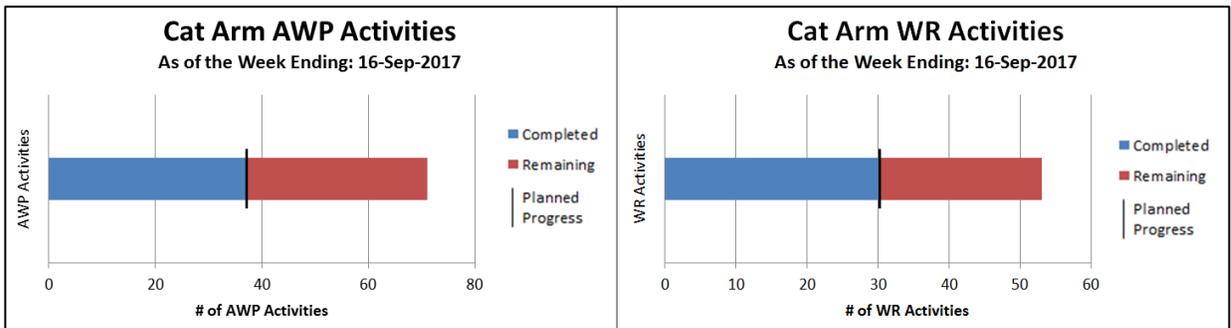


**Bay d'Espoir Hydroelectric Units:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Bay d'Espoir overall AWP completion status, including work in progress, is 78% to date.
- Bay d'Espoir planned winter readiness completion status is 84% complete to date.
- All seven planned unit outages are complete.
- Remaining winter readiness work is on schedule for successful completion by December 1, 2017.

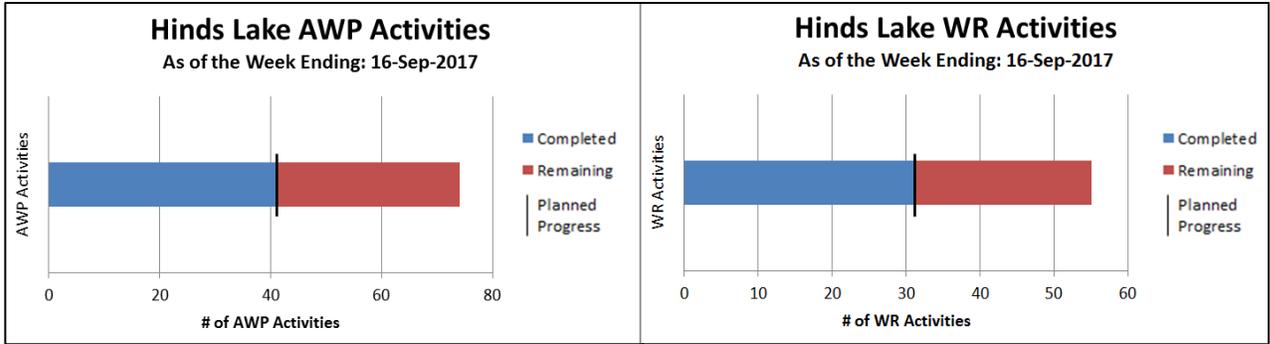


**Cat Arm Hydroelectric Units:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Cat Arm overall AWP completion status, including work in progress, is 52% complete to date.
- Cat Arm planned winter readiness completion status is 57% complete to date.
- Cat Arm Unit 1 outage in progress.
- Cat Arm Unit 2 outage scheduled to start October 1, 2017.
- Remaining winter readiness work is on schedule for successful completion by December 1, 2017.

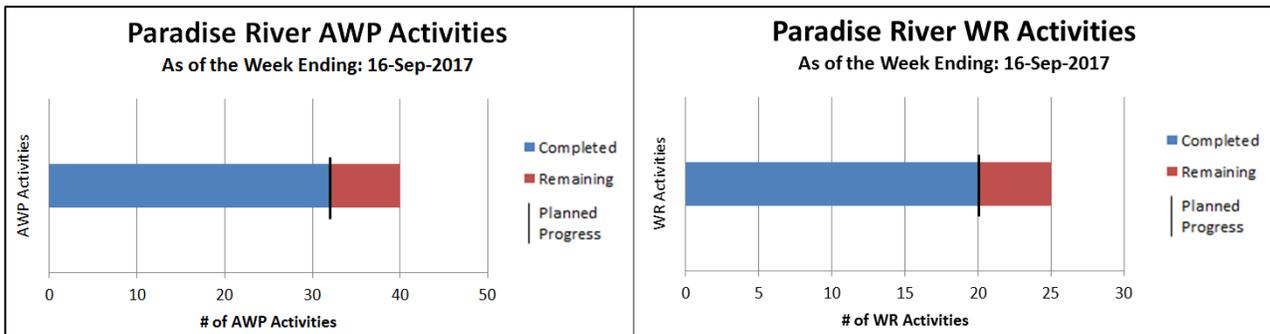


**Hinds Lake Hydroelectric Unit:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Hinds Lake overall AWP completion status, including work in progress, is 55% complete to date.
- Hinds Lake planned winter readiness completion status is 56% complete to date.
- Unit outage is scheduled for October 30, 2017 to November 17, 2017.
- Remaining winter readiness work is on schedule for successful completion by December 1, 2017.

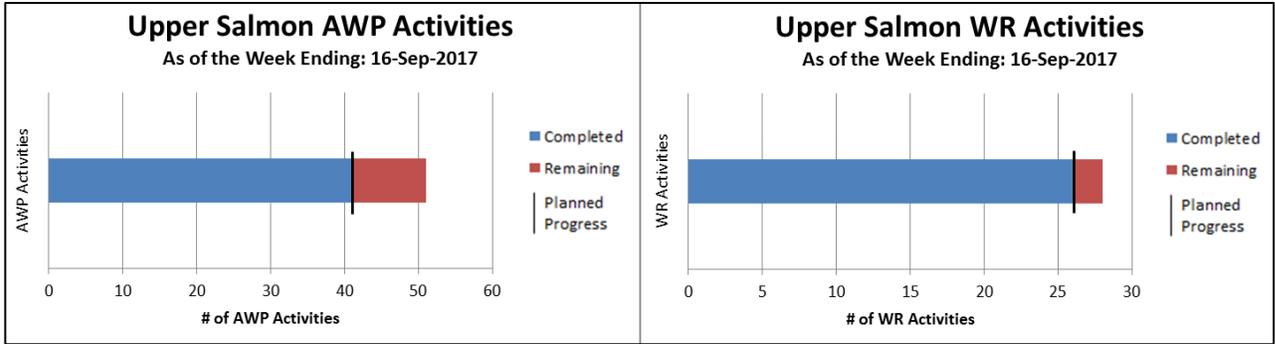


**Paradise River Hydroelectric Unit:**

**Forecast Completion Status:** On Target

**Comments and Schedule Notables:**

- Paradise River overall AWP completion status, including work in progress, is 80% complete to date.
- Paradise River planned winter readiness completion status is 80% complete to date.
- Unit outage is complete.
- Remaining winter readiness work is on schedule for successful completion by December 1, 2017.

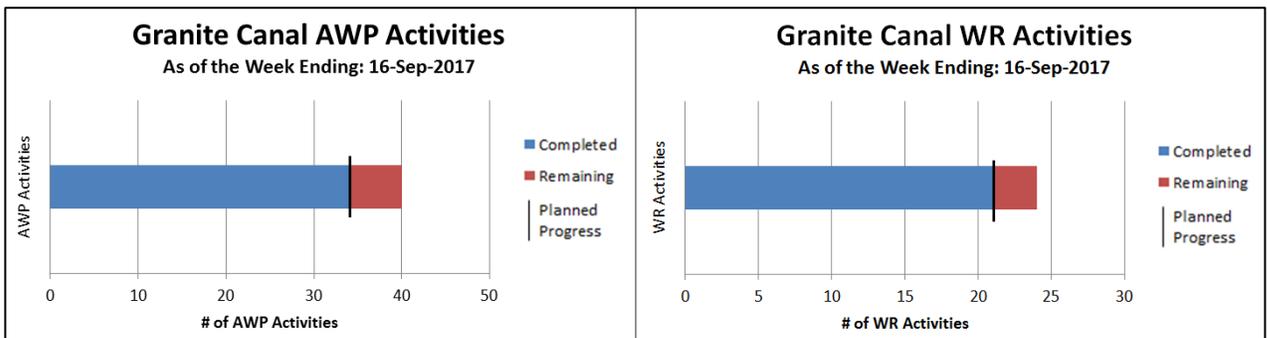


**Upper Salmon Hydroelectric Unit:**

Forecast Completion Status: **On Target**

**Comments and Schedule Notables:**

- Upper Salmon overall AWP completion status, including work in progress, is 80% complete to date.
- Upper Salmon planned winter readiness completion status is 93% complete to date.
- Unit outage is complete.
- Remaining winter readiness work is on schedule for successful completion by December 1, 2017.



**Granite Canal Hydroelectric Units:**

Forecast Completion Status: **On Target**

**Comments and Schedule Notables:**

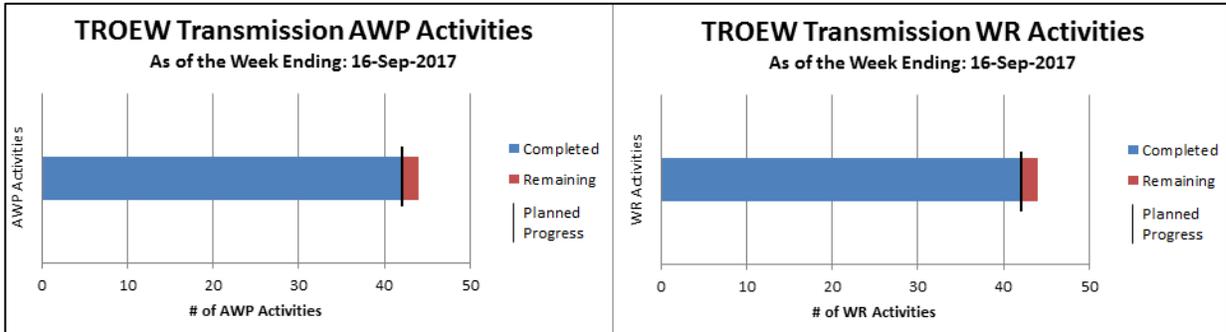
- Granite Canal overall AWP completion status, including work in progress, is 85% complete to date.
- Granite Canal planned winter readiness completion status is 88% complete to date.
- Unit outage is complete.
- Remaining winter readiness work is on schedule for successful completion by December 1, 2017.

1 **2.4 AWP and WR Status: Transmission and Terminal Stations**

2 The current status of AWP and winter readiness execution for both transmission line and

3 terminal station facilities on the Island Interconnected System (IIS) (Northern, West and East

- 1 regions) is summarized in the charts below. As noted, it is expected that all planned 2017
- 2 winter readiness activities will be completed by December 1, 2017.

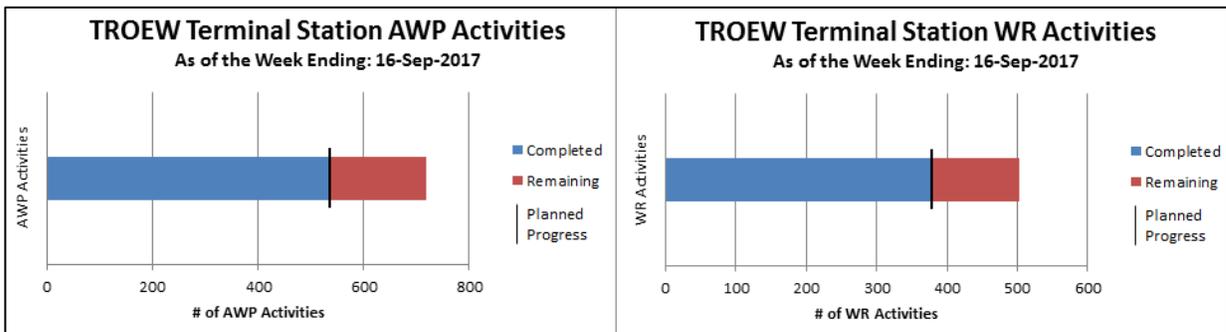


**Transmission and Rural Operations (East and West) - Transmission:**

Forecast Completion Status: **On Target**

**Comments and Schedule Notables:**

- Transmission overall AWP completion status, including work in progress, is 95% to date.
- Transmission planned winter readiness completion status is 95% complete to date.
- Remaining winter readiness work is on schedule for successful completion by December 1, 2017.

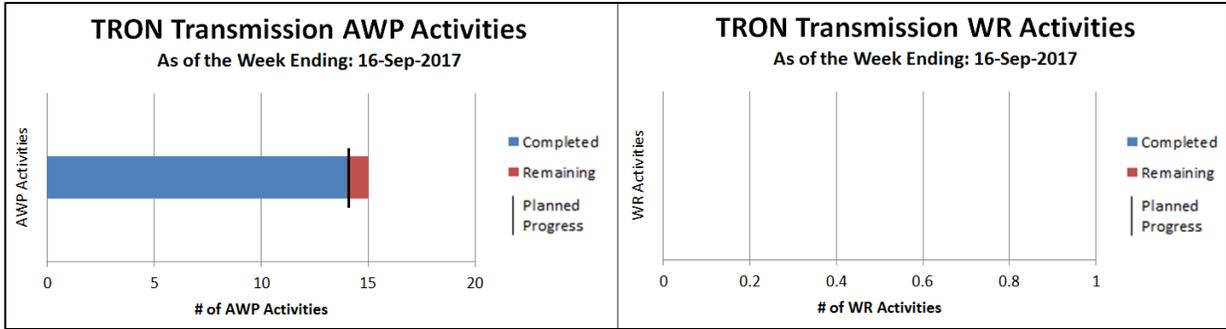


**Transmission and Rural Operations (East and West) - Terminal Stations:**

Forecast Completion Status: **On Target**

**Comments and Schedule Notables:**

- Terminal station overall AWP completion status, including work in progress, is 74% to date.
- Terminal station planned winter readiness completion status is 75% complete to date.
- Remaining Winter Readiness work is on schedule for successful completion by December 1, 2017.

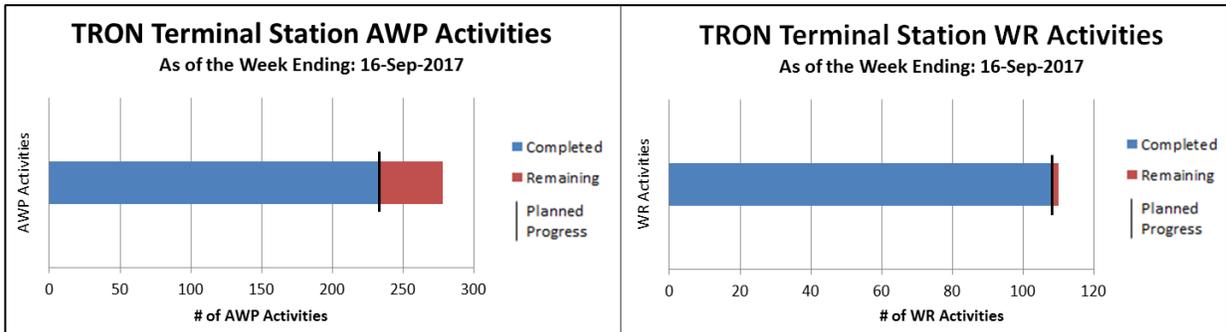


**Transmission and Rural Operations (Northern) - Transmission:**

Forecast Completion Status: **On Target**

**Comments and Schedule Notables:**

- Transmission overall AWP completion status, including work in progress, is 93% complete to date.
- Continue to execute Wood Pole Line Management. Expect to be completed in October 2017.
- Remaining planned on-line activities on schedule for successful completion by December 1, 2017.



**Transmission and Rural Operations (Northern) - Terminal Stations:**

Forecast Completion Status: **On Target**

**Comments and Schedule Notables:**

- Terminal Station overall AWP completion status is 84% complete to date.
- Terminal station planned winter readiness completion status is 98% to date.
- Remaining Winter Readiness work on schedule for successful completion by November 15, 2017. The remaining items include partial breaker disassembly (gas removed to just above atmosphere) to affix the explosion vent deflectors on Breakers PPT L41R2 and BCV B1L56. This work is scheduled to be completed by GE November 5-7, 2017.

### 1 **3.0 Status of Winter Readiness For Capital Projects**

2 Appendix A of this report identifies the 2017 capital projects that include scope related to  
 3 2017-18 winter readiness, and indicates status of each. Table 3.1 summarizes the status of  
 4 the winter readiness scope of these projects by asset category.

| <b>Table 3.1</b>                                       |                            |   |  |           |
|--|----------------------------|---|--|-----------|
| <b>Winter Readiness Scope in 2017 Capital Projects</b> |                            |   |  |           |
| Asset Category   | Complete (As of 15-Sep-17) | Incomplete (Expected Completion by 01-Dec-2017) | Incomplete (Expected Completion after 01-Dec-2017) | Total     |
| Hydraulic Plant  | 3                          | 3   | 3  | 9         |
| Thermal Plant  | 4                          | 5   | 0  | 9         |
| Gas Turbines   | 1                          | 4   | 0  | 5         |
| Diesel Generation                                      | 1                          | 0   | 0  | 1         |
| Terminal Stations                                      | 0                          | 1   | 2  | 3         |
| Transmission   | 2                          | 1   | 1  | 4         |
| Other  | 1                          | 0   | 1  | 2         |
| <b>Total</b>   | <b>12</b>                  | <b>14</b>                                       | <b>7</b>   | <b>33</b> |

5 Of the 33 capital projects within the winter readiness scope, seven projects have some scope  
 6 that is not expected to be completed by the winter readiness target date of December 1,  
 7 2017. Appendix A highlights these seven projects, describes the scope that is not expected to  
 8 be complete and the risk mitigation that Hydro will implement until the work is complete.  
 9 Hydro continues to closely coordinate its overall work plan and manage associated risks as it  
 10 enters the winter season 2017-18.

11

1 **4.0 Plant and Equipment Testing**

2 To ensure that it is ready for the upcoming winter season, Hydro follows a structured checklist  
3 for planning and documenting its testing and inspection of plant and equipment in its thermal  
4 and hydraulic generation facilities.

5

6 In its transmission, terminal station, and gas turbine operations, Hydro relies on its AWP  
7 process to plan and track its winter readiness testing and inspection of these assets. The  
8 AWP's in these areas include planned preventive maintenance (PM) activities, as well as  
9 corrective maintenance (CM) items, both of which involve inspection and testing. Planned  
10 PM's, CM's, and any other activities pertaining to winter readiness are flagged inside the  
11 respective AWP's and may therefore be tracked separately from other AWP items which are  
12 not winter readiness related.

13

14 **4.1 Thermal Generation**

15 Winter readiness testing of generating equipment in Thermal Generation is focused primarily  
16 around annual unit maintenance outages. Following these annual outages, units are run up,  
17 synchronized, and all systems are verified before the unit's operating status is determined and  
18 preparedness is confirmed. Unit load tests are performed at this time as well.

19 The winter readiness testing protocol includes the testing of appropriate Balance of Plant  
20 components, as well as the black start diesels thus confirming their ability to black start the  
21 Holyrood Thermal Generating Plant.

22

23 The current status of equipment/plant testing for Thermal Generation is indicated in Appendix  
24 B of this Report. Consistent with the generation outage schedule shown in Appendix D, it is  
25 expected that all winter readiness testing will be completed by December 1, 2017.

26

1 **4.2 Hydraulic Generation**

2 Winter readiness testing of generating equipment and balance of plant in Hydraulic  
3 Generation is completed using the same process as for Thermal Generation as described in  
4 Section 4.0.

5  
6 The current status of equipment/plant testing for Hydraulic Generation is indicated in  
7 Appendix C of this Report. Consistent with the generation outage schedule shown in  
8 Appendix D, it is expected that all winter readiness testing will be completed by December 1,  
9 2017.

10  
11 **4.3 Transmission and Terminal Stations**

12 **4.3.1 Transmission**

13 Transmission lines are a set of conductors supported by structures that carry electrical power  
14 from generation plants to terminal stations and link terminal stations together, which allows  
15 for the distribution of electricity to customers. A transmission line consists of structures,  
16 conductors, insulators, grounding system, and right-of-ways. On the island of Newfoundland,  
17 Hydro maintains approximately 1,280 km of lattice steel structure transmission lines operating  
18 at voltages of 138 and 230 kV. In addition, Hydro maintains approximately 2,230 km of wood  
19 pole transmission lines operating at voltages of 69, 138 and 230 kV for a total combined line  
20 length of 3,510 km with a right of way area of 10,290 hectares. Many of these assets date  
21 back to the mid to late 1960's. A typical lattice steel structure can remain in service in excess  
22 of 70 years and a typical treated pole can remain in service in excess of 60 years. Typically,  
23 treated cross-arms and braces can remain in service in excess of 30 years.

24  
25 The summary of the maintenance, refurbishment, and replacement criteria Hydro uses for its  
26 transmission lines was included in the *Transmission and Terminal Station Asset Management*  
27 *Execution Report*, submitted to the Board on April 11, 2017. It includes criteria for Wood Pole  
28 and Steel Structure Line Management Programs, helicopter patrols, ground patrols, infrared  
29 inspections, wood pole treatment, and right-of-way maintenance.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

### **4.3.2 Terminal Stations**

Terminal stations play a critical role in the transmission and distribution of electricity. Stations act as transition points within the transmission system, and interface points with the lower voltage distribution and generation systems. Hydro maintains assets in 57 terminal stations, with some having assets dating back to the late 1960's. These stations contain electrical equipment, such as transformers, circuit breakers, instrument transformers, disconnect switches, arresters, and associated protection and control relays and equipment required to protect, control, and operate Hydro's electrical system.

The maintenance, refurbishment and replacement criteria used by Hydro for Terminal Station assets, named *Terminal Station Asset Management Overview*, was included in the *Terminal Station Refurbishment and Modernization* project in Hydro's 2017 Capital Budget Application.

### **4.3.3 Transmission and Terminal Station Testing**

As noted above, the AWP's for both Transmission and Terminal Stations are predominantly comprised of PMs and CMs, which inherently involve inspection and testing. Examples of winter readiness activities that are included in the AWP work scopes include the following:

- a) Transformer PMs and CMs;
- b) Annual exercises on all high voltage circuit breakers;
- c) Exercise of 230 kV circuit breakers from protection during PM inspections;
- d) Infrared scans at all terminal stations;
- e) Annual ultrasonic leak testing on all terminal station air systems; and
- f) Annual helicopter patrol of transmission lines prior to the winter season.

AWP charts which include winter readiness activities are shown in section 2.4 of this report, and it is expected that all activities will be completed by December 1, 2017.

1 **4.4 Gas Turbines – Holyrood, Hardwoods and Stephenville**

2 Examples of winter readiness activities that are included in the Annual Work Plan work scopes  
3 and maintenance plans for the Hardwoods, Stephenville and Holyrood gas turbines include  
4 the following:

- 5 a) PMs and CMs for major components and auxiliary systems;
- 6 b) Black start testing;
- 7 c) Monthly operational testing; and
- 8 d) Execution of capital upgrades and refurbishment.

9  
10 Annual work plan charts which include winter readiness activities are shown in section 2.2 of  
11 this report. Black start testing is planned to be completed on all gas turbine units during the  
12 month of November. It is expected that all work related to winter readiness testing will be  
13 completed by December 1, 2017.

14  
15 **5.0 Generation Outage Schedule**

16 Hydro’s 2017 Master Generation Outage Schedule for the period September 1 to December  
17 31, 2017 is attached to this Report as Appendix D. This Schedule does not currently  
18 contemplate any planned generation outages beyond November 25, 2017 and it is expected  
19 that all generation assets will be fully available as of December 1, 2017.

20  
21 **6.0 Critical Spares**

22 **6.1 Overview**

23 In 2014, Hydro completed extensive reviews of its critical spares requirements in all three  
24 areas of its generation operations: hydraulic generation; thermal generation (Holyrood); and  
25 the gas turbines in Hardwoods and Stephenville. These reviews included a detailed analysis of  
26 asset criticality and spare parts in reference to several factors, including their impact on  
27 generation reliability and replacement part availability. A second phase of spares analysis was  
28 completed in 2017 for Hydro’s hydraulic generation facilities and 569 additional items were  
29 added to the critical spares list.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30

Hydro's evaluation of critical spares is an ongoing process where consideration is given to: asset condition; level of criticality; parts availability/order lead time; and cost. In some cases, a balanced consideration of these factors may result in a decision to not procure into inventory where the risk to reliability is judged to be low and/or other measures are available to mitigate against generation unavailability.

Included in this report is a full update on the status of Hydro's critical spares as of September 16, 2017, for the 2017-18 winter season. This update includes a detailed listing of critical spares requirements for each area of generation operations and the in-stock or on-order status of each item.

**6.2 2017-18 Winter Season**

Hydro's critical spares status leading into the 2017-18 winter season is strong. For the Thermal Generation (Appendix E), Gas Turbines (Appendix F), and Hydro Generation (Appendix G), a total of 2,454 critical spares have been identified by Hydro's three generation operations areas. Of this total, 2,274 items are in stock (92.7%), 57 items are on order (2.3%) and the remaining 123 items (5.0%) are in various stages of the procurement process, including engineering specification preparation to determine proper replacement parts for those items which can no longer be readily purchased and having the purchase orders drafted so that items can be ordered. It is anticipated that all items will be delivered by December 1, 2017.

Appendix E of this Report indicates the current status of the critical spares program at the Holyrood Thermal Generating Station. For the Holyrood Thermal Generating Station, 95% of the identified critical spares are in stock, with the remaining 19 items (2.5%) on order. Hydro's 2017-18 critical spares plan for Holyrood included the procurement of a stage 1 rectifying transformer, a capstan gearbox for the marine terminal, and a clear well pump for the water treatment plant. These parts have all been received and it is anticipated that the remaining items will be delivered by December 1, 2017.

1

2 The spares list for the Holyrood Gas Turbine is detailed in Appendix F and includes both  
3 operational and critical spares. Greater than 73% of these spares are in stock, including the  
4 high priority items. Of the remainder, 30 are on order (20.5%) and 94 (6.5%) are in the  
5 procurement process, which continues to acquire these items. For the Hardwoods and  
6 Stephenville gas turbines, 100% of the critical spares identified are in stock.

7

8 As previously noted, a second phase of spares analysis was completed in 2017 for Hydro's  
9 hydraulic generation facilities and 569 additional items were added to the critical spares list.

10 As listed in Appendix G, the hydraulic generation facilities currently have 97% of their  
11 identified critical spare items in stock. Of the remaining items, 29 are in the procurement  
12 process (2.5%) and the other 8 have been ordered (0.5%). As is the case with Hydro's others  
13 areas of operation, it is anticipated that the remaining items will be delivered by December 1,  
14 2017.

15

## 16 **7.0 Forecasted Loads, Capacity and Reserves**

17 In Hydro's reply submission filed in response to the Phase I report by Liberty Consulting on  
18 February 5, 2015, Hydro committed to provide the Board with a generation adequacy update  
19 as of August in each year leading up to interconnection, and that this update would include  
20 the following:

- 21 a) An updated P90 load forecast for the period up to one year beyond the then  
22 anticipated interconnection date;
- 23 b) A summary of the previous winter's generation performance and an outlook of peak  
24 available generating capacity for each year of the load forecast; and
- 25 c) A forecast of generation reserves in both percentage and total MW terms.

26

27 At the request of the Board, Hydro filed the Near-term Generation Adequacy Report on May  
28 15, 2017. In addition to providing the material requested above, the generation adequacy  
29 report included:

- 1 a) The updated P90 load forecast through winter 2021-22; one year beyond the  
 2 anticipated Muskrat Falls completion date;
- 3 b) An assessment and quantification of forecast peak uncertainty;
- 4 c) Five sensitivity demand forecasts to ensure a robust assessment of risk; and
- 5 d) A critical assessment of Hydro's thermal generating assets and their relative  
 6 importance to the Island Interconnected System, by evaluating a range of unit  
 7 availabilities, and the resultant expected unserved energy (EUE).

8

9 Table 7.1 indicates the IIS reserves in MW and percentage terms resulting from Hydro's  
 10 demand forecasts for the 2017-18 winter season as provided in the May 2017 near-term  
 11 generation adequacy report.

**Table 7.1: Forecasts of Peak Load, Capacity, and Reserve Margins**

| <b>Winter 2017-18</b>                                    |       |
|--|-------|
| <b>Expected Reference Case</b>                           |       |
| A: IIS Peak Load – P90                                   | 1,811 |
| B: Less Available Capacity Assistance (90 MW)            | 1,721 |
| C: Capacity at Peak                                      | 2,006 |
| Reserve Margin MW for P90 (C-B)                          | 285   |
| Reserve Margin (%)                                       | 17%   |
| <b>High Demand Case <sup>1</sup></b>                     |       |
| A: IIS Peak Load – P90                                   | 1,831 |
| B: Less Available Capacity Assistance (90 MW)            | 1,741 |
| C: Capacity at Peak                                      | 2,006 |
| Reserve Margin MW for P90 (C-B)                          | 265   |
| Reserve Margin (%)                                       | 15%   |
| Note: 1. Reflects sensitivity load projections IV and V. |       |

12 The capacity at peak of 2,006 MW indicated in Table 7.1 includes Holyrood maximum unit  
 13 ratings of 170 MW for units 1 and 2 and a rating of 150 MW for Unit 3 in accordance with  
 14 Hydro's Operations Standard Instructions T-093. The capacity at peak also includes 7.6 MW of  
 15 generation provided by Vale which is down from 10.8 MW available for winter 2017-18.

1

2 Hydro's reserve forecasts assume a total of 90 MW of capacity assistance is available through  
3 the 2017-18 winter season, if needed, under the capacity assistance agreements Hydro has in  
4 place with Corner Brook Pulp and Paper Limited, Praxair and Vale Newfoundland & Labrador  
5 Limited.

6

## 7 **8.0 Risks and Risk Mitigation**

8 Hydro is confident that its readiness planning for the 2017-18 winter season is on track and  
9 will position the company to be ready in terms of generation and transmission availability by  
10 December 1, 2017.

11

12 Hydro's critical spares status leading into the 2017-18 winter season is strong. As is outlined  
13 in Section 6 of this report, 92.7% of the overall critical spare items are currently on hand and  
14 2.3% are on order. The remaining 5.0% are in various stages of the procurement process and  
15 are anticipated to be received by December 1, 2017.

16

17 Other identified risks that are actively being managed by Hydro are listed in the following  
18 sections.

19

### 20 **8.1 Capital Projects**

21 As noted in Section 3 and Appendix A of this report, there are seven capital projects with  
22 winter readiness scope items that are not expected to be completed by the winter readiness  
23 target date of December 1, 2017. Each of these projects is listed below:

- 24 • Purchase Capital Spares (Hydraulic)
- 25 • Cat Arm Upgrade Work
- 26 • Upper Salmon – Refurbish Main Generator Breaker
- 27 • Purchase Backup Diesel for Station Service - Grand Falls and Buchans
- 28 • Replacement Due to In-Service Failures - Terminal Stations
- 29 • Construct 230kV Transmission Line - Bay d'Espoir to Western Avalon (TL 267)

- 1 • Replace Air Conditioning Units - Hydro Place

2  
3 The major reason for the delays is due to the long lead times for procurement of certain parts.  
4 Three of these projects are expected to be completed in 2017, but after the December 1  
5 target date. The new 230kV Transmission Line from Bay d'Espoir to Western Avalon (TL267)  
6 has been delayed due to an accident that occurred on June 19, 2017. Section 8.3 of this  
7 report provides the full update on the new transmission line.

8  
9 The remaining four projects will not be completed until 2018. In order to mitigate the risk for  
10 the upcoming winter season, Hydro has increased its monitoring and inspection of the  
11 impacted equipment. In many cases, the replacement parts have or will arrive during the  
12 winter season and will be available for emergency installation in the event of equipment  
13 failure. In several instances, temporary equipment is being utilized until the capital work can  
14 be completed (e.g.: air conditioners and mobile diesel units) and in another case spare  
15 components have been identified in other Hydro locations that can be used if failure occurs  
16 during the winter season. Please reference the notes in Appendix A for individual risk  
17 mitigation plans for each of the seven identified projects.

## 18 19 **8.2 Thermal Generation**

20 In 2017, Hydro has worked with the boiler contractor to eliminate the de-ratings of Holyrood  
21 Unit 1 and Unit 2 that were caused by air flow issues. The boilers have been extensively  
22 cleaned throughout, with a focus on the economizer sections, which is where most of the  
23 fouling has taken place and where the ash is most difficult to remove. A specialty company  
24 was hired to perform a dry-ice cleaning of both unit economizers. Thousands of pounds of ash  
25 were removed from each economizer, but some ash could not be removed due to hardness  
26 and difficult access, even after additional washing using a combination of high volume flushing  
27 and high pressure jetting. An upgrade of the air heaters in both units was completed that will  
28 reduce air leakage and fouling and also improve air flow. Hydro expects that the units will be  
29 capable of achieving full or close to full load when returned to service in the fall.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

**8.3 Transmission Line TL267**

The new TL267 transmission line is 230 kV transmission line between the Bay d'Espoir Hydroelectric Generation Station and the Western Avalon Terminal Station at Chapel Arm. TL267 will increase Hydro's capability to deliver power to the major load centre on the Avalon Peninsula and will ensure the continued stability and reliability of the Island Interconnected System, particularly during faulting events.

All construction activities were halted on TL267 line following an accident that occurred on June 19, 2017. Construction activities resumed in early July on access construction, foundation installation, ground based tower assembly, and anchor installation. On August 18, 2017, Occupational Health and Safety allowed the continuation of helicopter erection of guyed towers and stringing activities recommenced on September 2, 2017. Work in the Bay d'Espoir and Western Avalon terminal stations is tracking on schedule for completion at the end of October.<sup>1</sup>

Hydro remains committed to ensuring that work is completed in a timely manner while ensuring contractor and public safety, and continues to work with the contractor to finalize the project plan. Hydro is currently targeting a December 8, 2017 in-service date for the project. However, as the contractor remains subject to a stop work order for certain tasks associated with guy supported tangent towers, the project plan update is not able to be finalized at this time. Please refer to the *TL 267 Bi-Weekly Status Report*, submitted to the Board on a bi-weekly basis, for the most up-to-date information regarding the completion of the TL267 transmission line.

---

<sup>1</sup> As per Board Order No. P.U. 53(2014), the initial planned energization date of May 1, 2018, was targeted for the construction of TL267. The schedule energization date was accelerated to October 31, 2017, to help improve system reliability and alleviate system constraints relating to power flow to the Avalon Peninsula.

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29

**8.4 Gas Turbines**

Two of the four engines installed at Hardwoods require refurbishment. The first, engine (serial number 202224) developed an oil leak within the engine while in service during winter 2016-2017 and the second engine (serial number 202205) has had a combustion can failure, as determined during a recent planned borescope inspection. Two loaner engines are currently installed; one in Hardwoods and one and Stephenville.

In Hardwoods, a full size loaner is installed and the unit capacity has been returned to 50 MW. In Stephenville, the B-rated (19 MW) loaner is installed, giving the unit an installed capacity of 38 MW, with current availability of 25MW due to an exhaust stack cracking issue on End A, where the loaner engine is installed. Repair of the exhaust stack is planned, with an estimated return to service by the end of October.

Engine 202224, which was removed from Hardwoods due to an oil leak has been returned to the repair shop and is undergoing detailed inspection and repair, with an estimated return to service in the middle of October. Engine 202205 is being shipped to the repair shop for detailed inspection and combustion can replacement. An estimated return to service date will be determined once the engine has been inspected and the scope of repair is developed scope.

Although there are issues with the gas turbine engines, Hydro expects that both the Hardwoods and Stephenville gas turbines will be at full capacity by December 1, 2017. At this time, it is expected that at least one and more than likely two, spare engines will be on hand at the start of the winter operating period.

**9.0 Conclusion**

The results of Hydro's review of the year-to-date completion status of its annual work plan for its island interconnected system assets indicate that its winter readiness milestone will be

- 1 achieved by December 1, 2017, with the noted exception of seven capital projects. Hydro will
- 2 continue to track all required winter readiness activities, manage identified risks, and keep the
- 3 Board informed on current and any additional risks that may arise and impact the winter
- 4 readiness date.



## **Appendix A**

Status of 2017 Capital Projects Related to Winter Readiness



| STATUS OF WINTER READINESS SCOPE IN 2017 CAPITAL PROJECTS<br>ON THE ISLAND INTERCONNECTED SYSTEM |  |  |
|--|--|--|
| Asset Category   | Project Description  | Expected Completion of 2017 Winter Readiness Scope (September 15 Update) |
| Hydraulic Plant  | Unit 3 Turbine Major Overhaul - Bay d'Espoir                         | Complete   |
| Hydraulic Plant  | Refurbishment of Penstock 2 - Bay d'Espoir                           | Complete   |
| Hydraulic Plant  | Replace Generator Bearing Coolers - Upper Salmon                     | Complete   |
| Hydraulic Plant  | Replace Powerhouse 1 Station Service Transformer - Bay d'Espoir      | 4-Oct-2017   |
| Hydraulic Plant  | Overhaul Turbine Generators - Cat Arm                                | 6-Oct-2017   |
| Hydraulic Plant  | Replace Station Service Breakers - Cat Arm                           | 20-Oct-2017  |
| Hydraulic Plant  | Purchase Capital Spares - Hydraulic                                  | 15-May-2018 <sup>1</sup>   |
| Hydraulic Plant  | Upgrade Work - Cat Arm   | 2018 <sup>2</sup>  |
| Hydraulic Plant  | Refurbish Main Generator Breaker - Upper Salmon                      | 2018 <sup>3</sup>  |
| Thermal Plant  | Overhaul Pumps - Holyrood  | Complete   |
| Thermal Plant  | Purchase Capital Spares - Holyrood                                   | Complete   |
| Thermal Plant  | Upgrade Underground Plant Drainage System - Holyrood                 | Complete   |
| Thermal Plant  | Emergency Repairs to Northeast Corner of Unit 2 Boiler - Holyrood    | Complete   |
| Thermal Plant  | Overhaul Turbine Valves Unit 2 - Holyrood                            | 6-Oct-2017   |
| Thermal Plant  | Reliability Improvement - Holyrood                                   | 6-Oct-2017   |
| Thermal Plant  | Condition Assessment and Miscellaneous Upgrades - Holyrood           | 6-Oct-2017   |
| Thermal Plant  | Replace Exciter Controls Units 1 and 2 - Holyrood                    | 25-Oct-2017  |
| Thermal Plant  | Procurement of 12MW of Diesel Generation - Holyrood                  | 1-Dec-2017   |
| Gas Turbines   | Gas Generator Engine Refurbishments - Stephenville and Hardwoods     | Complete   |
| Gas Turbines   | Purchase Capital Spares - Gas Turbines                               | 30-Sep-2017  |
| Gas Turbines   | Gas Turbine Life Extension - Stephenville                            | 5-Nov-2017   |
| Gas Turbines   | Replace Fuel Piping - Stephenville and Hardwoods                     | 19-Nov-2017  |
| Gas Turbines   | Gas Turbine Life Extension - Hardwoods                               | 19-Nov-2017  |
| Diesel Generation  | Replace Fuel Tank - St. Anthony                                      | Complete   |
| Terminal Stations  | Purchase Capital Spares - Terminal Stations                          | 1-Dec-2017   |
| Terminal Stations  | Purchase Backup Diesel for Station Service - Grand Falls and Buchans | 15-Dec-2017 <sup>4</sup>   |
| Terminal Stations  | Replacement Due to In-Service Failures - Terminal Stations           | 12-Jan-2018 <sup>5</sup>   |
| Transmission   | Rerouting of Transmission Line and Distribution Line - Sally's Cove  | Complete   |
| Transmission   | Structures Replacement and Restoration - TL 212 and TL 201           | Complete   |
| Transmission   | Perform Wood Pole Line Management Program                            | 1-Dec-2017   |
| Transmission   | Construct 230kV Transmission Line - Bay d'Espoir to Western Avalon   | 08-Dec-2017 <sup>6</sup>   |
| Other  | Replace Uninterruptable Power Supply Systems - Hydro Place           | Complete   |
| Other  | Replace Air Conditioning Units - Hydro Place                         | 15-Dec-2017 <sup>7</sup>   |

**Notes**

1 - The 2017 winter readiness scope of this project includes the procurement of the following capital spare components: (1) high pressure compressor for all hydraulic plants; (2) Hinds Lake generator bearing cooler set; (3) Bay d'Espoir Unit 7 excitation transformer; (4) Hinds Lake excitation transformer; and (5) Hinds Lake exciter slip rings. All components have been ordered and the first two components are expected to be delivered in advance of December 1, 2017. The Bay d'Espoir and Hinds Lake excitation transformers are expected to be delivered on December 15, 2017. In July, Hydro, to mitigate risk, performed oil analysis on the Unit 7 excitation transformer with good results. The Hinds Lake transformer will be inspected during a planned outage in November. The Hinds Lake slip rings have been ordered and are expected to be received on May 15, 2018. While awaiting the new spares, Hydro has mitigated the risk by completing a condition assessment of the installed slip rings, which shows that replacement prior to this winter is not required. The exciter brushes were inspected and changed on the Hinds Lake unit in September and the ring at that time was found to be in good condition.

2 - The 2017 winter readiness scope of this project includes the replacement of the hydraulic control valves and piping, and upgrade of the control panel for the spherical valve control system at the Cat Arm Generating Station, Units 1 and 2. The completion of these upgrades has been delayed until 2018 because of material delivery issues for key components. Despite efforts to expedite orders and find alternative design solutions, key materials including automated and manual valves were not available for the scheduled plant outage on September 18, 2017. Prior to commencing the work, a risk-based decision was made to delay the work until 2018, rather than start the work and potentially incur an extended outage. An extended outage would impact critical work at other locations on the system. A plant outage will be scheduled after the 2017-2018 winter season. The risk through the winter and associated mitigation measures are currently being assessed.

The 2017 winter readiness scope of this project also includes the replacement of the deflector servomotors on Units 1 and 2 at the Cat Arm Generating Station. The completion of this work is delayed to 2018 due to design and delivery issues with the replacement servomotors. Hydro is working with the manufacturer to resolve the issues and is also exploring other supply options. The original servo motor was rebuilt with new seals installed prior to being put back into service in 2016 and will be assessed during the Cat Arm Plant Outage. A risk mitigation plan will be determined based on the results of that assessment.

3 - The 2017 winter readiness scope of this project is to refurbish the main generator air blast breaker at Upper Salmon plant. Due to the long lead times for procurement of parts, the outage required to carry out this work was originally scheduled for October 9, 2017, but was subsequently advanced to August 7, 2017, to accommodate other system outage priorities. The eight week advancement of the outage meant that the required parts for the refurbishment were not available at the new timing of the outage. The replacement parts are expected to be received September 27, 2017, and construction will be rescheduled into 2018. If there is an in-service breaker failure during this coming winter, the parts will be available for emergency installation (Post report update: It has been confirmed that the replacement parts were received on September 27, 2017).

4 - The 2017 winter readiness scope of this project is to purchase a mobile diesel generating unit as a back-up in case of failure of the station service at Grand Falls or Buchans Terminal Stations. The order has been placed and the expected delivery is December 15, 2017. Should a failure of the terminal station service occur prior to this, Hydro has battery and charger systems that will keep the stations operational for 8 to 12 hours. Once this time has passed the requirement for additional generation is necessary. As a mitigation until delivery of the new mobile generating unit, Hydro currently has a spare 225kVA mobile diesel unit ready for deployment. Should the 225 kVA not be available at the time of an outage, rental of a 100 kVA unit would be procured locally on the Island.

5 - The 2017 winter readiness scope of this project includes the procurement of the following stand-by equipment: (1) one 230kV circuit breaker; (2) one 138kV circuit breaker; and (3) one 69kV circuit breaker for the stand-by pool. These breakers have been ordered with an expected delivery date of January 12, 2018. Hydro has access to other spare breakers for each of the three voltage classes should a failure occur. The 2017 winter readiness scope also includes the replacement of a number of components that have failed in 2017. To date, 30 transformer monitoring gauges, one surge arrester, and one circuit breaker failed in service and replacement is complete. A station service transformer in Sally's Cove failed and a transformer was moved over from St. Anthony to restore Sally's Cove. St. Anthony was placed on back-up and a replacement transformer was ordered with expected delivery and installation by October 6, 2017. A breaker in Sunnyside Terminal Station failed and a replacement is expected to be in service on October 12, 2017.

6 - The 2017 winter readiness scope of this project is to construct, energize, and place in service the new transmission line from Bay d'Espoir to Western Avalon (TL267). The in-service date has been delayed due to a serious incident that occurred on June 19, 2017, resulting in the fatality of two contractor employees. Immediately following the incident, work was suspended whilst an investigation was conducted. A phased return to work approach was adopted and Hydro remains committed to ensuring work is completed in a timely manner while ensuring contractor and public safety, and continues to work with the contractor to finalize the project plan. However, as the contractor remains subject to a stop work order for certain tasks associated with guy supported tangent towers, the detailed project plan update is not able to be finalized at this time. Hydro and the contractor are working closely with Occupational Health and Safety toward releasing the stop work order and progress is being made in this regard. In anticipation of the release of the stop work order, Hydro is currently targeting a December 8, 2017, as the in-service date.

7 - The 2017 winter readiness scope of this project is to replace air conditioners in the Energy Control Centre Computer Room. The contract for this work has been awarded and long lead-time equipment is expected to be delivered in November 2017. During construction in late November and early December, temporary additional air conditioning will be installed to mitigate the risk to computer equipment. The work is expected to be completed by December 15, 2017.

## **Appendix B**

Status of Winter Readiness Testing of Plant and Equipment  
Holyrood Thermal Generating Station  
As of September 16, 2017



18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Plant: Holyrood Operations**

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| Following Annual outages, Unit is run up, Synchronized and all Systems verified before Operating Status determined, as per ECC, prior to coming Winter Operating Season to ensure preparedness. A Unit Load Test is performed at this time. | S/U | S/U | ✓   | N/A |
| Black Start Test of the black start systems is performed prior to the Winter Operating Season.  | N/A | N/A | N/A | ✓   |
| Perform Megger testing of 600 volt motors prior to the Winter Operating Season.   | ✓   | S/U | ✓   | N/A |

**Safety:**

|  |   |     |   |     |
|--|---|-----|---|-----|
| Boiler Service Pressure Test performed as required by Regulator.         | ✓ | S/U | ✓ | N/A |
| Safety Valves testing as required (Post Start-Up).                       |   |     |   | N/A |
| Boiler Operational Off-Line High / Low Drum Level Trip Tests.            | ✓ | S/U | ✓ | N/A |
| H2 Emergency Venting Valving.  | ✓ | S/U | ✓ | N/A |
| Breaker & Disconnect Operation verified by Ops. Dept. & Whitbourne Crew. | ✓ | S/U | ✓ | N/A |

**Service Air and Instrument Air Systems:**

|  |     |     |     |   |
|--|-----|-----|-----|---|
| All Stationary Air Compressors available.  | N/A | N/A | N/A | ✓ |
| All Portable Air Compressors available.  | N/A | N/A | N/A | ✓ |
| Air Compressor operational checks performed (e.g. oil levels, cooling water, etc.) | N/A | N/A | N/A | ✓ |
| Air Compressor STBY / Sequencing capability.                                       | N/A | N/A | N/A | ✓ |

**Raw and Makeup Water System:**

|   |     |     |     |   |
|---|-----|-----|-----|---|
| Quarry Brook Dam Integrity.   | N/A | N/A | N/A | ✓ |
| Raw Water Sump Water Supply Control Valve operational.  | N/A | N/A | N/A | ✓ |
| Raw Water Pumps operational.  | N/A | N/A | N/A | ✓ |
| Adequate supply of Chemicals (1172, 1179, Polymer, etc.).   | N/A | N/A | N/A | ✓ |
| 1172, 1179, Polymer Injection Pumping Sets, Pumps, valves, lines, agitators, etc. operational.            | N/A | N/A | N/A | ✓ |
| Portable Diesel Pump check of Emergency Plant Water Supply from Quarry Brook Dam.                         | N/A | N/A | N/A | ✓ |
| Adequate & Readily available supply of Hoses for the Portable Diesel Pump from Quarry Brook Dam to Plant. | N/A | N/A | N/A | ✓ |

**Raw and Makeup Water System & Water Treatment Plant:**

|   |     |     |     |   |
|---|-----|-----|-----|---|
| Instrumentation & Controls operational.                             | N/A | N/A | N/A | ✓ |
| Analytical Rack Sample Cooler Filters cleaned/replaced as required. | N/A | N/A | N/A | ✓ |
| Analytical Rack Sample Coolers cooling water in service.            | N/A | N/A | N/A | ✓ |
| Two (2) Sample cooling water pumps availability.                    | N/A | N/A | N/A | ✓ |

**Clarifier:**

|   |     |     |     |   |
|---|-----|-----|-----|---|
| Clarifier Recirculator, VFD Motor, VFD Controller.    | N/A | N/A | N/A | ✓ |
| Clarifier Recirculator Scraper.                       | N/A | N/A | N/A | ✓ |
| Clarifier Badger Meter and Clearwell Instrumentation. | N/A | N/A | N/A | ✓ |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Sand Filters:**

|  |     |     |     |   |
|--|-----|-----|-----|---|
| Sand Filters (#s 1, 2 & 3) Resin integrity.                              | N/A | N/A | N/A | ✓ |
| Sand Filters (#s 1, 2 & 3) Valve Operation (Normal & Backwashing, etc.). | N/A | N/A | N/A | ✓ |
| Two (2) Clearwell Pumps available.                                       | N/A | N/A | N/A | ✓ |

**Demineralization System:**

|   |     |     |     |   |
|---|-----|-----|-----|---|
| Cation & Anion Trains (A, B & C) Resin integrity.                                       | N/A | N/A | N/A | ✓ |
| Adequate supply of Chemicals (Caustic Soda, Sulphuric Acid, 1172, 1179, Polymer, etc.). | N/A | N/A | N/A | ✓ |
| Sulphuric Acid & Caustic Soda Transfer Pumps, valves, lines, etc.                       | N/A | N/A | N/A | ✓ |
| Sulphuric Acid & Caustic Soda Regeneration Sets, Pumps, valves, lines, etc.             | N/A | N/A | N/A | ✓ |
| Caustic Injection Pumping Sets, Pumps, valves, lines, agitators, etc.                   | N/A | N/A | N/A | ✓ |
| Brine Injection Pumping Sets, Pumps, valves, lines, agitators, etc.                     | N/A | N/A | N/A | ✓ |

**Reserve Feedwater System, 'RFW':**

|   |   |   |   |     |
|---|---|---|---|-----|
| RFW Transfer Pump Oil Normal Operating Level. | ✓ | ✓ | ✓ | N/A |
| RFW Transfer Pumps operational.               | ✓ | ✓ | ✓ | N/A |

**Circulating Water 'CW' and Screen Wash System:**

|  |   |     |   |     |
|--|---|-----|---|-----|
| Vacuum Seal Pits operational.  | ✓ | ✓   | ✓ | N/A |
| All CW Travelling Screens Operational.   | ✓ | ✓   | ✓ | N/A |
| CW Pump Motorized discharge valves 'Manual' & 'Auto', 'Cracked' Position operation verified. | ✓ | S/U | ✓ | N/A |
| CW Pump Motors Oil Normal Operating Level,   | ✓ | S/U | ✓ | N/A |
| CW Pumps operational.  | ✓ | S/U | ✓ | N/A |
| CW Pump Discharge Vacuum Breakers operational.   | ✓ | S/U | ✓ | N/A |
| CW Travelling Screens Wash Pumps operational.  | ✓ | S/U | ✓ | N/A |
| Condenser Flushed.   | ✓ | S/U | ✓ | N/A |
| Condenser Backwashed.  | ✓ | S/U | ✓ | N/A |
| General Service 'GS' Coolers Backwashed, cleaned, etc.                                       | ✓ | S/U | ✓ | N/A |
| Turbine / Generator 'TG' Coolers Backwashed, cleaned, etc.                                   | ✓ | S/U | ✓ | N/A |
| Vacuum Pump Coolers Backwashed, cleaned, etc.  | ✓ | S/U | ✓ | N/A |

**Boiler:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Pre-Outage Valve Survey conducted of Boiler Drains. | ✓ | ✓   | ✓ | N/A |
| Service pressure test on boiler for tube leaks.     | ✓ | S/U | ✓ | N/A |

**Condenser Air Extraction System:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Vacuum Pumps available & tested for STBY 'Auto-Start'.          | ✓ | S/U | ✓ | N/A |
| Vacuum Pump Seal Water Tank water level controller operational. | ✓ | S/U | ✓ | N/A |
| Vacuum Pump Seal Water Pump operational.                        | ✓ | S/U | ✓ | N/A |
| Condenser Vacuum Breakers operational.                          | ✓ | S/U | ✓ | N/A |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**High Pressure 'HP' Feedwater System:**

**Boiler Feed Pumps:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Boiler Feed Pumps available.  | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Oil Tank Normal Operating Level and checked for moisture content.                            | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Auxiliary Oil Pumps available.   | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Suction Valves & Limit Switches.   | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Emergency Gland Seal Injection Pump available.   | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Emergency Gland Seal Pump Oil Normal Operating Level.  | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Gland Seal Water available from the Emergency Pump and Condensate Extraction Pumps.          | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Gland Seal Water Control Valve operational.  | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Gland Seal Water Drains Tank Level Float Operated Valve operational (Units 1 & 2).           | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Gland Seal Water Transfer Pumps operational (Units 1 & 2).                                   | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Gland Seal Water Drains Tank Level Control Valve operational (Unit 3).                       | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Gland Seal Water Transfer Pumps operational (Unit 3).  | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Recirculation Control Valves operational.  | ✓ | S/U | ✓ | N/A |
| Boiler Feed Pump Motorized Discharge Pilot & Main Valves operational.   | ✓ | S/U | ✓ | N/A |
| Low Load Feedwater Isolator & Control Valves operational.   | ✓ | S/U | ✓ | N/A |
| Main Feedwater Isolator & Control Valves operational.   | ✓ | S/U | ✓ | N/A |
| High Pressure Heater Motorized Valves (Inlet, Outlet & Bypass) checked for proper operation, sequencing, etc. | ✓ | S/U | ✓ | N/A |

**Miscellaneous:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Economizer 'Manual' Operated Valve operational.   | ✓ | S/U | ✓ | N/A |
| Economizer Motorized Recirculation Valve operational (Unit 3).                              | ✓ | S/U | ✓ | N/A |
| Boiler Drum Level Instrumentation operational.  | ✓ | S/U | ✓ | N/A |
| HP Heater Bled Steam Check Valves operational.  | ✓ | S/U | ✓ | N/A |
| Start-up Desuperheater Steam & Water valving operation / position verified.                 | ✓ | S/U | ✓ | N/A |
| Main Steam & Reheat Steam Desuperheater Spray Water Isolators & Control Valves operational. | ✓ | S/U | ✓ | N/A |
| Auxiliary Steam Desuperheater Spray Water Control Valve operational.                        | ✓ | S/U | ✓ | N/A |

**Low Pressure 'LP' Feedwater System:**

**Condenser:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Condenser Hotwell Make-Up / Surplus Control Valves operation verified.  | ✓ | S/U | ✓ | N/A |
| Condenser Hotwell Make-Up Motorized Isolating Valve operation verified. | ✓ | S/U | ✓ | N/A |
| Condenser Dye test for leaks, as required.                              | ✓ | S/U | ✓ | N/A |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Ammonia & Control System:**

|                                      |     |     |     |   |
|--------------------------------------|-----|-----|-----|---|
| Adequate Supply in place.            | N/A | N/A | N/A | ✓ |
| Pumps operational.                   | N/A | N/A | N/A | ✓ |
| Control Instrumentation operational. | N/A | N/A | N/A | ✓ |

**Condensate Extraction Pumps:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Condensate Extraction Pumps available.                                | ✓ | S/U | ✓ | N/A |
| Condensate Extraction Pump Motors Bearing Oil Normal Operating Level. | ✓ | S/U | ✓ | N/A |
| Condensate Extraction Pump Motor Cooling Water available (Unit 3).    | ✓ | S/U | ✓ | N/A |

**Condensate Polishers:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Resin integrity verified.   | ✓ | S/U | ✓ | N/A |
| Two (2) Polishers Rinsed and available.                                     | ✓ | S/U | ✓ | N/A |
| Valve Operation (Normal & Regenerating, etc.).                              | ✓ | S/U | ✓ | N/A |
| Regeneration System Skids available (valving, pumps, blowers, tanks. Etc.). | ✓ | S/U | ✓ | N/A |
| Condensate Polisher Bypass Control Valve operational.                       | ✓ | S/U | ✓ | N/A |

**Low Pressure Heaters:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Low Load Recirculation Control Valve operation. | ✓ | S/U | ✓ | N/A |
|---|---|-----|---|-----|

**Deaerator:**

|                                      |   |     |   |     |
|--------------------------------------|---|-----|---|-----|
| Deaerator Normal Operating Level     | ✓ | S/U | ✓ | N/A |
| Deaerator Steam Coil operational.    | ✓ | S/U | ✓ | N/A |
| Deaerator Pegging Steam operational. | ✓ | S/U | ✓ | N/A |
| Deaerator Low Level Trip Test        | ✓ | S/U | ✓ | N/A |

**Miscellaneous:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Condenser Flash Tank Control Valve operation / position.                | ✓ | S/U | ✓ | N/A |
| Turbine Low Pressure Exhaust Hood Spray Motorized Valve operation.      | ✓ | S/U | ✓ | N/A |
| Start-up Desuperheater Steam & Water valving operational (Units 1 & 2). | ✓ | S/U | ✓ | N/A |
| LP Heater Bled Steam Check Valves operational.                          | ✓ | S/U | ✓ | N/A |

**Bled Steam and Heater Drains System:**

|  |   |     |   |     |
|--|---|-----|---|-----|
| LP and HP Instrumentation and Control operational.               | ✓ | S/U | ✓ | N/A |
| LP and HP Heater Level Control operational.                      | ✓ | S/U | ✓ | N/A |
| Low Pressure 'LP' Heater Condensate Drains Pumps operational.    | ✓ | S/U | ✓ | N/A |
| #4 High Pressure 'HP' Heater Condensate Drains Pump operational. | ✓ | S/U | ✓ | N/A |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Air and Flue Gas System:**

|  |   |     |   |     |
|--|---|-----|---|-----|
| Instrumentation and Control operational. | ✓ | S/U | ✓ | N/A |
|--|---|-----|---|-----|

**Forced Draft 'FD' Fans and Air Dampers:**

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| Two (2) FD Fans available.  | ✓   | S/U | ✓   | N/A |
| Bearing Oil Normal Operating Level.                                   | ✓   | S/U | ✓   | N/A |
| Cooling Water on to Fans.   | ✓   | S/U | ✓   | N/A |
| Stroke Variable Inlet Vanes, 'VIVs'.                                  | ✓   | S/U | ✓   | N/A |
| Stroke Discharge Dampers.   | ✓   | S/U | ✓   | N/A |
| FD Fan Motor Variable Speed Drives operational.                       | ✓   | S/U | ✓   | N/A |
| All Burner Auxiliary Air Dampers/Positioners operation (Units 1 & 2). | ✓   | S/U | N/A | N/A |
| All Elevation Air Flow Dampers/ Positioners operation (Unit 3).       | N/A | N/A | ✓   | N/A |

**Rotary Air Heaters:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Rotary Air Heaters operational.   | ✓ | S/U | ✓ | N/A |
| Rotary Air Heaters Bearing Oil (Top & Bottom) Normal Operating Level.   | ✓ | S/U | ✓ | N/A |
| Rotary Air Heaters Bearing Cooling Water On.  | ✓ | S/U | ✓ | N/A |
| Rotary Air Heaters Electric Motor Drives operational.   | ✓ | S/U | ✓ | N/A |
| Rotary Air Heaters Air Supply to Air Heater Air Motor Drives Open.  | ✓ | S/U | ✓ | N/A |
| Rotary Air Heaters Start-up of Air Motor Drive upon loss of AC Power Supply to the normal operating Electric Drive Motor. | ✓ | S/U | ✓ | N/A |
| Rotary Air Heaters Steam Supply Control Valves operational. (*Note: Two Steam Supplies on (Units 1 & 2)).                 | ✓ | S/U | ✓ | N/A |
| Rotary Air Heaters Sootblowers operational.   | ✓ | S/U | ✓ | N/A |

**Boiler Sootblowing System:**

|  |   |     |   |     |
|--|---|-----|---|-----|
| Sootblower Control Panel operational.  | ✓ | S/U | ✓ | N/A |
| Sootblowers Steam Supply Control Valve operational.  | ✓ | S/U | ✓ | N/A |
| Sootblowers Overhauled during Annual Outage Verify operation (e.g. Rotation, Travel Advancing/Retracting from Furnace, leaks, etc.) first time Unit is placed on Line. | ✓ | S/U | ✓ | N/A |

**Light Fuel Oil System:**

|  |     |     |     |     |
|--|-----|-----|-----|-----|
| Hydro Pad operational.   | N/A | N/A | N/A | N/A |
| Light Oil Pumps available.   | ✓   | S/U | ✓   | N/A |
| Pumps, Valves (including Control & Trip), lines, strainers, pressure (locally & UCB).                                | ✓   | S/U | ✓   | N/A |
| Check Light Oil Supply & Return Lines to / from Plant respectively.  | N/A | N/A | N/A | ✓   |
| Suction Strainers cleaned with covers secured.   | ✓   | S/U | ✓   | N/A |
| Ignitors cleaned, securely in place with associated lines securely fastened.   | ✓   | S/U | ✓   | N/A |
| Ignitors all checked for operation during Unit Start-up (e.g. Ignitor Control Box, Valve Operation, Lighting, etc.). | ✓   | S/U | ✓   | N/A |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Fuel Oil Delivery System, Auxiliary Steam & Fuel Oil Piping System:**

|   |     |     |     |   |
|---|-----|-----|-----|---|
| Adequate Heavy Oil Storage.   | N/A | N/A | N/A | ✓ |
| Heavy Oil Piping from Dock to Tankfarm, Tankfarm to Plant Day Tank and Day Tank to Heavy Oil Sets.  | N/A | N/A | N/A | ✓ |
| Adequate Light Oil Storage.   | N/A | N/A | N/A | ✓ |
| Light Oil Piping from Road Tanker Transfer Pump to Tanks and from Tanks to Light Oil Sets in Plant. | N/A | N/A | N/A | ✓ |
| All Storage Tanks Suction Heaters available when required.  | N/A | N/A | N/A | ✓ |
| All Storage Tanks Platform Heaters available when required.   | N/A | N/A | N/A | ✓ |
| Auxiliary Steam for Suction Heaters available.  | N/A | N/A | N/A | ✓ |
| Auxiliary Steam for Platform Heaters available.   | N/A | N/A | N/A | ✓ |
| Auxiliary Steam for Heat Tracing available.   | N/A | N/A | N/A | ✓ |
| Electrical Heat Tracing for Fuel Oil Lines available.   | N/A | N/A | N/A | ✓ |
| Day Tank Supply Line Trip Valve Tested.   | N/A | N/A | N/A | ✓ |
| Day Tank available to receive oil.  | N/A | N/A | N/A | ✓ |
| Day Tank steam coil available.  | N/A | N/A | N/A | ✓ |

**Fuel (Heavy) Oil System:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Fuel Oil Heating Sets:  | ✓ | S/U | ✓ | N/A |
| Fuel Oil Heaters available.   | ✓ | S/U | ✓ | N/A |
| Fuel Oil Heaters cleaned and inspected.                                     | ✓ | S/U | ✓ | N/A |
| Steam Supply to Heavy Oil Set Heaters available as required.                | ✓ | S/U | ✓ | N/A |
| Fuel Oil Heaters Temperature Steam Control Valve operational.               | ✓ | S/U | ✓ | N/A |
| Suction Strainers cleaned (including standby & extras) with covers secured. | ✓ | S/U | ✓ | N/A |
| Fuel Oil Accumulator operational.   | ✓ | S/U | ✓ | N/A |
| Fuel Oil Pumps available.   | ✓ | S/U | ✓ | N/A |
| Pumps 'Auto-Start' check Off-Line.  | ✓ | S/U | ✓ | N/A |
| Header Pressure Control Valve operational.                                  | ✓ | S/U | ✓ | N/A |
| Fuel Oil Meter operational.   | ✓ | S/U | ✓ | N/A |

**Fuel Oil Supply Control, Trip, Long & Short Recirculation Valves:**

|  |     |     |     |     |
|--|-----|-----|-----|-----|
| Fuel Oil Supply Control Valve operational.                             | ✓   | S/U | ✓   | N/A |
| Fuel Oil Trip Valve operational.                                       | ✓   | S/U | ✓   | N/A |
| Fuel Oil Long Recirculation Valve operational (Units 1 & 2).           | ✓   | S/U | N/A | N/A |
| Fuel Oil Short Recirculation Valve operational (Units 1 & 2).          | ✓   | S/U | N/A | N/A |
| Elevation Fuel Oil Trip Valves operational (Unit 3).                   | N/A | N/A | ✓   | N/A |
| Elevation Fuel Oil Minimum Supply Control Valves operational (Unit 3). | N/A | N/A | ✓   | N/A |
| Elevation Fuel Oil Supply Control Valves operational (Unit 3).         | N/A | N/A | ✓   | N/A |
| Main Fuel Oil Recirculation Valve operational (Unit 3).                | N/A | N/A | ✓   | N/A |
| Elevation Recirculation Valves operational (Unit 3).                   | N/A | N/A | ✓   | N/A |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Burners:**

|  |   |     |     |     |
|--|---|-----|-----|-----|
| All Burners cleaned, securely in place with associated lines securely fastened.  | ✓ | S/U | ✓   | N/A |
| All Burners checked for operation during Unit Start-up (e.g. Advancing / Retracting, Valve Operation, Lighting, etc.). | ✓ | S/U | ✓   | N/A |
| All Burner Tilts checked for operation (Units 1 & 2).  | ✓ | S/U | N/A | N/A |

**General Service 'GS' System:**

|  |   |   |     |     |
|--|---|---|-----|-----|
| GS Heat Exchangers Backwashed, cleaned, etc.       | ✓ | ✓ | ✓   | N/A |
| Stage I GS Plate Cooler Strainers cleaned.         | ✓ | ✓ | N/A | N/A |
| Stage I GS 'Auto-Clean' Strainer operational.      | ✓ | ✓ | N/A | N/A |
| Stage I GS Duplex Strainers cleaned.               | ✓ | ✓ | N/A | N/A |
| GS Pump Suction Strainers cleaned.                 | ✓ | ✓ | ✓   | N/A |
| GS Pump Oil Normal Operating Level.                | ✓ | ✓ | ✓   | N/A |
| GS Pumps available & tested for STBY 'Auto-Start'. | ✓ | ✓ | ✓   | N/A |

**Turbine / Generator 'TG' Auxiliary Cooling System:**

|  |   |     |   |     |
|--|---|-----|---|-----|
| TG Head Tank Normal Operating Level.               | ✓ | S/U | ✓ | N/A |
| Turbine Lube Oil Coolers operational.              | ✓ | S/U | ✓ | N/A |
| TG Heat Exchangers Backwashed, cleaned, etc.       | ✓ | S/U | ✓ | N/A |
| TG Pump Oil Normal Operating Level.                | ✓ | S/U | ✓ | N/A |
| TG Pumps available & tested for STBY 'Auto-Start'. | ✓ | S/U | ✓ | N/A |

**Turbine Generator 'TG' System:**

**Hydraulic System Units 1& 2:**

|  |   |     |   |     |
|--|---|-----|---|-----|
| Hydraulic System Accumulators operational.   | ✓ | S/U | ✓ | N/A |
| Hydraulic System Storage Tank Normal Operating Level and checked for moisture content. | ✓ | S/U | ✓ | N/A |
| Hydraulic System Storage Tank air purging of moisture in place.                        | ✓ | S/U | ✓ | N/A |
| Hydraulic Set Primary, Secondary Filter indications ok.                                | ✓ | S/U | ✓ | N/A |
| Two (2) Hydraulic Fluid Pumps availability.  | ✓ | S/U | ✓ | N/A |
| Hydraulic Pump Auto Start Testing.   | ✓ | S/U | ✓ | N/A |
| Two (2) Hydraulic Fluid Pump Coolers availability.                                     | ✓ | S/U | ✓ | N/A |

**Valves:**

|  |     |     |     |     |
|--|-----|-----|-----|-----|
| Pre-Outage Valve Surgery conducted of Boiler Drains.                                       | ✓   | ✓   | ✓   | N/A |
| Turbine Main Stop Valve Testing (Units 1 & 2).   | ✓   | S/U | N/A | N/A |
| Turbine Two (2) Main Stop Valves Testing (Unit 3).   | N/A | N/A | ✓   | N/A |
| Turbine 'Left-Hand' & 'Right Hand' Reheat Stop & Intercept Control Valve Testing verified. | ✓   | S/U | ✓   | N/A |
| Turbine Six (6) Main Control Valve operation (Units 1 & 2).                                | ✓   | S/U | N/A | N/A |
| Turbine Four (4) Main Control Valve operation (Unit 3).                                    | N/A | N/A | ✓   | N/A |
| Turbine Blowdown Valve operation.  | ✓   | S/U | ✓   | N/A |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Lubricating System:**

|  |     |     |     |     |
|--|-----|-----|-----|-----|
| Lube Oil Tank Normal Operating Level and checked for moisture content.                 | ✓   | S/U | ✓   | N/A |
| Portable Centrifuge operational.   | ✓   | ✓   | ✓   | N/A |
| Lube Oil Tank Vapor Extractor operation.   | ✓   | S/U | ✓   | N/A |
| Bowser Oil Conditioner Vapor Extractor Operation (Units 1 & 2).                        | ✓   | S/U | ✓   | N/A |
| Two (2) AC Lube Oil pumps available & tested for STBY 'Auto-Start' (Units 1 & 2)       | ✓   | S/U | N/A | N/A |
| DC Pump Testing & Starting from UCB (Units 1 & 2).                                     | ✓   | S/U | N/A | N/A |
| Verify Discharge Pressure of EACH AC Lube Oil Pumps (Locally & UCB) (Units 1 & 2).     | ✓   | S/U | N/A | N/A |
| Verify Discharge Pressure of DC Lube Oil Pump (Locally & UCB) (Units 1 & 2).           | ✓   | S/U | N/A | N/A |
| Jacking Oil Pump Testing & Starting from UCB (Unit 3).                                 | N/A | N/A | ✓   | N/A |
| Verify Discharge Pressure of Jacking Oil Pump (Locally & UCB).                         | N/A | N/A | ✓   | N/A |
| Auxiliary Oil Pump 'AOP' Testing & Starting from UCB & Turbine Lube Oil Tank (Unit 3). | N/A | N/A | ✓   | N/A |
| Verify Discharge Pressure of AOP Pump (Locally & UCB) (Unit 3).                        | N/A | N/A | ✓   | N/A |
| AC Pump Testing & Starting from UCB & Turbine Lube Oil Tank (Unit 3).                  | N/A | N/A | ✓   | N/A |
| Verify Discharge Pressure of AC Flushing Oil Pump (Locally & UCB) (Unit 3).            | N/A | N/A | ✓   | N/A |
| DC Pump Testing & Starting from UCB & Turbine Lube Oil Tank (Unit 3).                  | N/A | N/A | ✓   | N/A |
| Verify Discharge Pressure of DC Flushing Oil Pump (Locally & UCB) (Unit 3).            | N/A | N/A | ✓   | N/A |

**Barring / Turning Gear:**

|                                    |   |     |   |     |
|------------------------------------|---|-----|---|-----|
| Turning Gear operation verified.   | ✓ | S/U | ✓ | N/A |
| Perform trip test of Turning Gear. | ✓ | S/U | ✓ | N/A |

**Miscellaneous:**

|  |     |     |   |     |
|--|-----|-----|---|-----|
| Steam Seal Regulator operational.                    | ✓   | S/U | ✓ | N/A |
| Operational On-Line / Off-Line Overspeed Trip Tests. | S/U | S/U | ✓ | N/A |

**Hydrogen 'H2' & Carbon Dioxide 'CO2' System:**

H2 Generation & Storage System:

|  |     |     |     |     |
|--|-----|-----|-----|-----|
| System in operation.                     | N/A | N/A | N/A | N/A |
| Electrolyzer / H2 Generator operational. | N/A | N/A | N/A | N/A |
| Chiller operational.                     | N/A | N/A | N/A | N/A |
| DI Water Purifier operational.           | N/A | N/A | N/A | N/A |

**H2 & CO2 Bulk Packs:**

|  |     |     |     |   |
|--|-----|-----|-----|---|
| Adequate H2 Bulk Packs on hand for contingency purposes. | N/A | N/A | N/A | ✓ |
| CO2 Adequate Bulk Packs on hand.                         | N/A | N/A | N/A | ✓ |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Generator:**

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| Generator Exciter Operation checked Off & On Line.                                  | ✓   | S/U | ✓   | N/A |
| Seal Oil System tested with 'Air' on Generator in preparation for Leak Testing.     | ✓   | S/U | ✓   | N/A |
| Seal Oil Regulator operational.   | ✓   | S/U | ✓   | N/A |
| AC Seal Oil pumps available & tested for STBY 'Auto-Start' (Units 1 & 2).           | ✓   | S/U | N/A | N/A |
| AC Seal Oil Pump available (Unit 3).  | N/A | N/A | ✓   | N/A |
| DC Seal Oil Pump available & tested for STBY 'Auto-Start'.                          | ✓   | S/U | ✓   | N/A |
| Seal Oil Vacuum Pumps available.  | ✓   | S/U | ✓   | N/A |
| Vacuum Tank Level Control operational.  | ✓   | S/U | ✓   | N/A |
| H2 System in operation and/or adequate Bulk Packs on hand for contingency purposes. | N/A | N/A | N/A | ✓   |
| CO2 Adequate Bulk Packs on hand.  | N/A | N/A | N/A | ✓   |
| Leak Testing Performed prior to 'Gassing Up' Generator.                             | ✓   | S/U | ✓   | N/A |
| Purity, Dew Point, etc. Instrumentation operation verified.                         | ✓   | S/U | ✓   | N/A |

**Powerhouse and Switchyard Single Line:**

**Plant 129V System:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| 129 V Battery Banks checked Stage I & II.   | ✓ | N/A | ✓ | N/A |
| 129V Battery Chargers checked Stage I & II. | ✓ | N/A | ✓ | N/A |

**Plant 258V System:**

|   |   |     |   |     |
|---|---|-----|---|-----|
| 258V Battery Banks checked Stage I & II.    | ✓ | N/A | ✓ | N/A |
| 258V Battery Chargers checked Stage I & II. | ✓ | N/A | ✓ | N/A |

**Plant Uninterrupted Power Supplies 'UPS':**

|   |   |     |   |     |
|---|---|-----|---|-----|
| Number's 1, 2, 3 & 4 'UPS' Power Supplies including Batteries, Cooling Fans, etc., checked. | ✓ | S/U | ✓ | N/A |
|---|---|-----|---|-----|

**Emergency Diesel Generators:**

|  |   |   |   |     |
|--|---|---|---|-----|
| Stage I & II Emergency Diesel Generators Tested for Emergency Stop.  | ✓ | ✓ | ✓ | N/A |
| Stage I & II Emergency Diesel Generators Tested for Manual & Auto-Start Operation along with Auto Breaker Closure as well as Emergency Manual Closing of Breakers. | ✓ | ✓ | ✓ | N/A |
| Diesel Bus Tie Breaker, 'DBT' operation verified.  | ✓ | ✓ | ✓ | N/A |

**Fire Protection System:**

|  |     |     |     |   |
|--|-----|-----|-----|---|
| All Fire Protection Zones in Service                         | N/A | N/A | N/A | ✓ |
| Fire Control/Alarm Panel status.                             | N/A | N/A | N/A | ✓ |
| Fire Alarm Beacons operational.                              | N/A | N/A | N/A | ✓ |
| Diesel Fire Pump checked for 'Manual' & 'Auto' Start, etc.   | N/A | N/A | N/A | ✓ |
| Diesel Fire Pump Controller, Charger & Battery check.        | N/A | N/A | N/A | ✓ |
| Electric Fire Pump checked for 'Manual' & 'Auto' Start, etc. | N/A | N/A | N/A | ✓ |
| Electric Fire Pump Controller check.                         | N/A | N/A | N/A | ✓ |
| Public Address System Status.                                | N/A | N/A | N/A | ✓ |

18-Sep-17

| Status of Test |        |        |     |
|----------------|--------|--------|-----|
| Unit 1         | Unit 2 | Unit 3 | BoP |

**Holyrood Main Powerhouse:**

|   |     |     |     |   |
|---|-----|-----|-----|---|
| Back-Up ECC and Guardhouse Propane Generator. | N/A | N/A | N/A | ✓ |
|---|-----|-----|-----|---|

**Plant Air Conditioning System:**

|   |     |     |     |     |
|---|-----|-----|-----|-----|
| Control & Relay Rooms.                                    | N/A | N/A | N/A | ✓   |
| Uninterrupted Power Supply 'UPS' #1 Room.                 | N/A | N/A | N/A | ✓   |
| Generator Excitation and 'UPS' #s 2, 3 & 4 Room (Unit 3). | N/A | N/A | ✓   | N/A |

**Plant Heating Steam:**

|  |     |     |     |   |
|--|-----|-----|-----|---|
| All Systems operational for when required. | N/A | N/A | N/A | ✓ |
|--|-----|-----|-----|---|

## **Appendix C**

Status of Winter Readiness Testing of Plant and Equipment  
Hydraulic Generation  
As of September 16, 2017











## **Appendix D**

Master Generation Outage Schedule  
September 1 to December 31, 2017



2017 Planned Generation Outage Schedule \*

| Unit  | Month<br>Week Starting | September |       | October |       |       |       |       | November |       |       |       | December |       |       |       | Scheduled Annual<br>Maintenance Outages           |
|---|------------------------|-----------|-------|---------|-------|-------|-------|-------|----------|-------|-------|-------|----------|-------|-------|-------|---|
|   |                        | 17        | 24    | 1       | 8     | 15    | 22    | 29    | 5        | 12    | 19    | 26    | 3        | 10    | 17    | 24    |   |
| Holyrood - G1                                       | 170                    |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Jun 23 - Sep 17                                   |
| Holyrood - G2                                       | 170                    |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Apr 07 - Apr 23, May 01 - May 30, Jul 31 - Oct 20 |
| Holyrood - G3                                       | 150                    |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Apr 25 - May 03, May 31 - Jul 14, Jul 31 - Aug 18 |
| Bay d'Espoir - G1                                   | 76.5                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Jul 23 - Aug 13                                   |
| Bay d'Espoir - G2                                   | 76.5                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Jul 03 - Jul 27                                   |
| Bay d'Espoir - G3                                   | 76.5                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | May 03 - Jul 27                                   |
| Bay d'Espoir - G4                                   | 76.5                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | May 07 - Jun 29                                   |
| Bay d'Espoir - G5                                   | 76.5                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Apr 23 - May 02                                   |
| Bay d'Espoir - G6                                   | 76.5                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Apr 09 - Apr 19, Apr 23 - Apr 28                  |
| Bay d'Espoir - G7                                   | 76.5                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Aug 27 - Sep 17                                   |
| Upper Salmon  | 84                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Aug 06 - Aug 25                                   |
| Granite Canal                                       | 40                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Jun 18 - Jun 30, Jul 07 - Aug 13                  |
| Hinds Lake  | 75                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Oct 30 - Nov 17                                   |
| Cat Arm 1   | 67                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Sep 17 - Oct 27                                   |
| Cat Arm 2   | 67                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Oct 01 - Oct 20                                   |
| Paradise River                                      | 8                      |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Apr 09 - Apr 13                                   |
| Hardwoods GT <sup>Note 1</sup>                      | 50                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Nov 13 - Nov 19                                   |
| Stephenville GT <sup>Note 2</sup>                   | 50                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | May 09 - May 31, Oct 30 - Nov 03                  |
| Holyrood CT   | 123.5                  |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Jun 18 - Jun 23, Nov 07 - Nov 12                  |
| Star Lake   | 18                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       | Jun 11 - Jun 16, Sep 10 - Sep 14                  |
| Exploits  | 63                     |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       |   |
| CoGen   | 8                      |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       |   |
| NLH Diesels <sup>Note 3,4,5</sup>                   | 24.7                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       |   |
| Newfoundland Power                                  | 119.3                  |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       |   |
| CBPP 60 Hz  | 99.1                   |           |       |         |       |       |       |       |          |       |       |       |          |       |       |       |   |
| Available Capacity <sup>Note 6</sup>                | 1,922                  | 1,601     | 1,751 | 1,684   | 1,684 | 1,684 | 1,933 | 1,875 | 1,802    | 1,752 | 1,950 | 2,000 | 2,011    | 2,011 | 2,011 | 2,011 |   |
| Forecasted Gross Island Peak Load <sup>Note 7</sup> |                        | 991       | 991   | 1,034   | 1,077 | 1,121 | 1,179 | 1,271 | 1,319    | 1,368 | 1,416 | 1,452 | 1,811    | 1,811 | 1,811 | 1,811 |   |
| Total Reserve <sup>Note 8</sup>                     |                        | 610       | 760   | 650     | 607   | 563   | 754   | 604   | 496      | 400   | 550   | 564   | 311      | 311   | 311   | 311   |   |
| Largest Operating Unit                              |                        | 154       | 170   | 170     | 170   | 170   | 170   | 170   | 170      | 170   | 170   | 170   | 170      | 170   | 170   | 170   |   |
| N-1 Reserve   |                        | 385       | 520   | 410     | 367   | 323   | 514   | 364   | 256      | 160   | 310   | 324   | 71       | 71    | 71    | 71    |   |

| Legend                |            |
|-----------------------|------------|
| Unit Available        | White      |
| Unit Unavailable      | Dark Blue  |
| Unit Derated          | Light Blue |
| Unplanned / Extension | Gray       |

Notes:

- Holyrood Unit 1 was derated to 70 MW. The unit became available at full capacity on September 21, 2017.
- Hardwoods Gas Turbine End A unavailable as of August 31, 2017. It became available on September 21, 2017.
- Stephenville Gas Turbine End A unavailable as of June 22, 2017. Expected to be fully returned to service during the week of October 15, 2017.
- 24.7 MW include Hawke's Bay (5 MW), St. Anthony (9.7 MW), and Holyrood Diesels (10 MW).
- Hawkes Bay Diesel Unit 548 (G2) unavailable as of September 17, 2017. Expected to be returned to service by September 24, 2017.
- As of December 01, planned Vale Diesels capacity of 10.8 MW is included in Available Capacity. A pre-winter capacity test is require to prove capacity up to 10.8 MW.
- IIS P90 winter peak demand for 2017-18 as filed with the Board in Hydro's "Near-Term System Adequacy Report" on May 15th, 2017.
- December's Total Reserves reflect the planned agreements for CBPP Capacity Assistance (80 MW), System Voltage Reduction (20 MW) and Vale and Praxair interruptible load (11 MW).

\* Preventative/Corrective Maintenance items that require short duration outages are not reflected in this chart. They are planned in conjunction with system operation for an appropriate time.



## **Appendix E**

### Critical Spares Status Listing – Thermal Generation



| Asset   |                         |                                  | Critical Spare                  |       |                                     | Inventory Status |
|---|-------------------------|----------------------------------|---------------------------------|-------|-------------------------------------|------------------|
| System  | Sub-System              | Asset                            | Defined Spare                   | Notes | Inventory Description               |                  |
| Fire Protection System                                | Electrical Driven Pump  | Pump                             | Inboard Bearing                 |       | BEARING,PEERLESS<br>INBOARD         | In Stock         |
| Fire Protection System                                | Electrical Driven Pump  | Pump                             | Outboard Bearing                |       | BEARING,PEERLESS<br>OUTBOARD        | In Stock         |
| Fire Protection System                                | Electrical Driven Pump  | Pump                             | Casing Ring                     |       | RING,PEERLESS<br>CASING             | In Stock         |
| Fire Protection System                                | Electrical Driven Pump  | Pump                             | Casing Gasket                   |       | GASKET,PEERLESS<br>CASING           | In Stock         |
| Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping | Valves                  | Day Tank TripValve               | 8" Butterfly Valve and Actuator |       | VALVE,BTFY 8" 150#                  | In Stock         |
| Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping |                         | Day Tank Trip Valve              | Actuator                        |       | ACTUATOR,BETTIS<br>CB520            | In Stock         |
| Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping |                         | Fuel Line Block Valve            | 16" Gate Valve                  |       | VALVE,GATE 16"<br>NEWCO             | In Stock         |
| Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping |                         | Day Tank Fill Line Control valve | 6" Control Valve                |       | VALVE,CONTROL 6"<br>FISHER          | In Stock         |
| Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping |                         |                                  | Actuator                        |       | ACTUATOR,PNEU 1-<br>BSW-5-LT        | In Stock         |
| Hydrogen Generation and Storage                       | Valves                  | Motorized Valves                 | 1/2 " Valve                     |       | SOLENOID,VALVE<br>ASCO 8316         | In Stock         |
| Hydrogen Generation and Storage                       | Tubing                  |                                  | Tubing                          |       | TUBING,SS 1" OD<br>X.083 316        | In Stock         |
| Powerhouse and Switchyard Single Line                 | 129V DC System          | Charger                          | Control Unit                    |       | CONTROL<br>UNIT,BATTERY CHG<br>129V | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Cation Valve - KV2205C          |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Cation Valve - KV2206C          |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Anion Valve - KV3205C           |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Anion Valve - KV3206C           |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Cation Valve - KV2203C          |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Cation Valve - KV2207C          |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Cation Valve - KV2202C          |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Cation Valve - KV2208C          |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Anion Valve - KV3203C           |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Anion Valve - KV3207C           |       | VALVE,ITT                           | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls         | Anion Valve - KV3202C           |       | VALVE,ITT                           | In Stock         |

| Asset   |                         |                                      | Critical Spare   |   |                              | Inventory Status |
|---|-------------------------|--------------------------------------|--|---|------------------------------|------------------|
| System  | Sub-System              | Asset                                | Defined Spare  | Notes   | Inventory Description        |                  |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Anion Valve - KV3208C                                    |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4003B                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4004A                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4005B                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4006B                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4007B                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4008B                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4009B                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4010A                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - KV4011A                                |   | VALVE,ITT                    | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Mixed Bed Valve - PCV4071                                | Non-Stock is OK since there are non critical uses for this TX which can be "borrowed) | VALVE,PRESS REGULATING       | Non-Stock        |
| Raw and Makeup Water System & Water Treatment Plant   | Demineralization System | Instrumentation/Controls             | Sodium Monitor   | Non-Stock is OK since there are non critical uses for this TX which can be "borrowed) | ANALYZER,ORION 2111LLEN      | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Clarifier               | Agitator                             | Frequency Drive  |   | CONTROLLER,SPEED CLARIFIER   | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Clarifier               | Agitator                             | Recirculator - Double Induction Speed Reducer - In Stock |   | RECIRCULATOR,STERLING 9A6108 | In Stock         |
| Raw and Makeup Water System & Water Treatment Plant   | Clearwell               | Clearwell Pump                       | Pump, single stage, 750GPM                               | Critical repair parts stocked for this pump. No need to stock the entire pump.        | PUMP ASSY,KSB 6"             | Non-Stock        |
| Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping |                         | Dock Quick Closing Valves            | 18 " Butterfly Valve                                     |   | VALVE,BTFY 18" 150#          | In Stock         |
| Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping |                         | Dock Capstan                         | Gear Box   |   | CAPSTAN GEARBOX,SADI         | In Stock         |
| Fire Protection System                                | Electrical Driven Pump  | Control Panel                        | Fire Pump Controller                                     | Spare Controller on site in Warehouse   | N/A                          | In Stock         |
| Powerhouse and Switchyard Single Line                 | 129V DC System          | 129 VDC Panel - Unit 1, 2, 3, Common | 30A DC Breaker   |   | BREAKER,DC HFD2030 30A       | In Stock         |
| Powerhouse and Switchyard Single Line                 | 129V DC System          | 129 VDC Panel - Unit 1, 2, 3, Common | 25A DC Breaker   |   | BREAKER,DC HFD2025 25A       | In Stock         |

| Asset                                    |                     |                                      | Critical Spare                                   |                                       |                                | Inventory Status |
|--|---------------------|--------------------------------------|--|---------------------------------------|--------------------------------|------------------|
| System                                   | Sub-System          | Asset                                | Defined Spare                                    | Notes                                 | Inventory Description          |                  |
| Powerhouse and Switchyard Single Line    | 129V DC System      | 129 VDC Panel - Unit 1, 2, 3, Common | 15A DC Breaker                                   |                                       | BREAKER,DC HFD2015 15A         | In Stock         |
| Powerhouse and Switchyard Single Line    | 129V DC System      | 129 VDC Panel - Unit 1, 2, 3, Common | 400A DC Breaker                                  |                                       | BREAKER,DC KD3400 400A         | In Stock         |
| Powerhouse and Switchyard Single Line    | 129V DC System      | 129 VDC Panel - Unit 1, 2, 3, Common | 50A DC Breaker                                   |                                       | BREAKER,DC HFD2050 50A         | In Stock         |
| Powerhouse and Switchyard Single Line    | 129V DC System      | Charger                              | Control Unit                                     |                                       | CONTROL UNIT,BATTERY CHG 129V  | In Stock         |
| Circulating Water and Screen Wash System | CW Discharge Valves | Butterfly Valve                      | 36" Butterfly Valve                              |                                       | VALVE,BUTTERFLY 36"            | In Stock         |
| Circulating Water and Screen Wash System | CW Discharge Valves | Butterfly Valve                      | Actuator   |                                       | ACTUATOR ASSY,ROTORK           | In Stock         |
| Circulating Water and Screen Wash System | CW Pumps            | Motor                                | Coils  |                                       | WINDING COILS                  | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Burner Automation                    | Network Interface Modules                        |                                       | MODULE,NETWORK INTERFACE       | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Burner Automation                    | Master Fuel Trip Relays                          |                                       | RELAY,AB TYPE P                | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Burner Automation                    | DCS Control Processor                            |                                       | MODULE,PROCESSOR FOXBORO       | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Flame Scanners                       | 24Vdc Scanner Power Supply                       |                                       | POWER SUPPLY,WEIDMULLER        | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Air Flow Transmitters                | Transmitter                                      |                                       | TRANSMITTER, DP 1 KPA TO 1 KPA | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Oil Flow Transmitter                 | Transmitter - Unit 1                             | One spare F.O. Flow TX for both units | FLOWMETER,ROSE                 | Order Pending    |
| Condenser Air Extraction System          | Vacuum Breakers     |                                      | 6' Flanged                                       |                                       | VALVE,AIR & VACUUM 6 FLG       | On Order         |
| Generator                                | Seal Oil System     | Seals                                | See Parts List #U1&2 - 1 from Service Contractor |                                       | HYDROGEN SEAL RINGS,GE         | In Stock         |
| Generator                                | Exciter             | Controls                             | ArcNet Coupler                                   |                                       | CARD,ABB UNS0672               | In Stock         |
| Generator                                | Exciter             | Controls                             | Conduction Monitor                               |                                       | CARD,ABB UNS0673               | In Stock         |
| Generator                                | Exciter             | Controls                             | Crowbar  |                                       | CARD,ABB UNS0017AVAR1          | In Stock         |
| Generator                                | Exciter             | Controls                             | Digital ArcNet                                   |                                       | CARD,ABB UPC090                | In Stock         |
| Generator                                | Exciter             | Controls                             | Binary Input                                     |                                       | CARD,ABB UFC092                | In Stock         |
| Generator                                | Exciter             | Controls                             | Output Relay                                     |                                       | CARD,ABB ARC093                | In Stock         |
| Generator                                | Exciter             | Controls                             | Measuring Card                                   |                                       | CARD,ABB UNC4672               | In Stock         |
| Generator                                | Exciter             | Controls                             | Measuring Card                                   |                                       | CARD,ABB UNC4673               | In Stock         |
| Generator                                | Exciter             | Controls                             | I/O Connection                                   |                                       | CARD,ABB UNC4674               | In Stock         |
| Generator                                | Exciter             | Controls                             | Converter  |                                       | CARD,ABB UNS3670               | In Stock         |
| Generator                                | Exciter             | Controls                             | Snubber Bridge                                   |                                       | SNUBBER,ABB UNS4681V12         | In Stock         |
| Generator                                | Exciter             | Controls                             | Control  |                                       | CARD,ABB HIEE300900R0001       | In Stock         |
| Generator                                | Exciter             | Controls                             | Power Supply                                     |                                       | CARD,ABB KUC321                | In Stock         |
| Generator                                | Exciter             | Controls                             | Pulse Gen  |                                       | CARD,ABB GDB021                | In Stock         |
| Generator                                | Exciter             | Controls                             | Combined I/O                                     |                                       | CARD,ABB UAC326                | In Stock         |

| Asset                            |   |                              | Critical Spare                     |                                 |                             | Inventory Status |
|----------------------------------|---|------------------------------|------------------------------------|---------------------------------|-----------------------------|------------------|
| System                           | Sub-System  | Asset                        | Defined Spare                      | Notes                           | Inventory Description       |                  |
| Generator                        | Exciter   | Controls                     | Control Panel                      |                                 | CARD,ABB AFC094             | In Stock         |
| Generator                        | Exciter   | Controls                     | Breaker                            |                                 | BREAKER,FIELD ABB F3/SE     | In Stock         |
| Generator                        | Exciter   |                              | Transformer                        | On Site                         | N/A                         | In Stock         |
| Generator                        | Stator  | PT Cubicle                   | Primary Contact for Generator P.T. |                                 | CONTACT ASSY,PT             | In Stock         |
| Generator                        | Seal Oil System                                   | Regulator                    | 1.5" Regulating Valve              | Not critical to unit operation. | SEAL OIL REG KIT, RK        | In Stock         |
| Ignitor Light Oil and Air Supply | Light Oil   | Trip Valve                   | 1" Valve                           |                                 | VALVE,FISH F.O. TRIP        | In Stock         |
| Ignitor Light Oil and Air Supply | Light Oil   | Igniter Control Box          | Ignition Transformer               |                                 | XFMR,FOSSIL S870-542F       | In Stock         |
| Ignitor Light Oil and Air Supply | Light Oil   | Igniter Control Box          | Sunspot                            |                                 | BASE,AMPLIFIER & TERMINAL   | In Stock         |
| Ignitor Light Oil and Air Supply | Light Oil   | Igniter Control Box          | Valve Assembly / Oil Igniter       |                                 | IGNITER,ASSEMBLY ALSTOM     | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                              | Level Transmitter                  |                                 | TRANSMITTER,LEVEL           | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                              | Aquarian Alarm Modules             |                                 | MODULE,AQUARIAN             | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                              | Relays                             |                                 | RELAY,PLUG-IN 12 PIN AC     | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                              | Solenoid                           |                                 | SOLENOID,ASCO 8300 125 VDC  | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                              | Conductivity Probe                 |                                 | PROBE,GUIDED WAVE RADAR 26" | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | Level Control                | Level Switch                       |                                 | SWITCH,LEVEL MOBREY         | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | Level Control                | Level Transmitter                  |                                 | TRANSMITTER,LEVEL           | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | Level Control                | Relay                              |                                 | RELAY,PLUG-IN 12 PIN AC     | In Stock         |
| L.P. Feedwater System            | Ammonia System                                    |                              | Bulk Chemical                      |                                 | AMMONIUM HYDROXIDE,20% TOTE | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | NRV Valves                   | 12"-150# Gasket Kit                |                                 | GASKET,S&K 74S0397V0010     | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | NRV Valves                   | O-Rings                            |                                 | O-RING,S&K 75S0144V0090     | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | NRV Valves                   | Packing                            |                                 | PACKING,S&K 24"             | On Order         |
| L.P. Feedwater System            | Deaerator System                                  | NRV Valves                   | Packing                            |                                 | PACKING,S&K 16"             | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | NRV Valves                   | Packing                            |                                 | PACKING,S&K 12"             | On Order         |
| L.P. Feedwater System            | Deaerator System                                  | NRV Valves                   | Seal washers                       |                                 | SEAL,S&K 75G0181V0020       | In Stock         |
| L.P. Feedwater System            | L.P. Heaters                                      | NRV Valves - #1&2 LP Heaters | Gasket                             |                                 | GASKET,S&K 67S0064V0010     | On Order         |
| L.P. Feedwater System            | L.P. Heaters                                      | NRV Valves                   | O-Rings                            |                                 | O-RING,S&K 75S0144V0100     | In Stock         |

| Asset                                     |                                   |                           | Critical Spare   |   |                              | Inventory Status |
|---|-----------------------------------|---------------------------|--|---|------------------------------|------------------|
| System                                    | Sub-System                        | Asset                     | Defined Spare  | Notes   | Inventory Description        |                  |
| L.P. Feedwater System                     | L.P. Heaters                      | NRV Valves                | Packing  |   | PACKING,S&K<br>75G0100V0040  | In Stock         |
| L.P. Feedwater System                     | L.P. Heaters                      | NRV Valves                | Packing  |   | PACKING,S&K<br>75G0100V0040  | In Stock         |
| L.P. Feedwater System                     | L.P. Heaters                      | NRV Valves                | Seal washers   |   | SEAL,S&K<br>75G0181V0050     | In Stock         |
| L.P. Feedwater System                     | Polisher Bypass Valve             |                           | Valve  | Non-Stock is OK since there are full rebuild items identified and stocked | VALVE,FISH<br>5080326PTBNN   | Non-Stock        |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2) | Valves                    | Valve  |   | VALVE KIT,BALL 3             | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2) | Valves                    | Actuator   |   | ACTUATOR<br>KIT,WORCH D-38   | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2) | Valves                    | Valve  |   | VALVE KIT,BALL 2             | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2) | Valves                    | Actuator   |   | ACTUATOR<br>KIT,WORCH C-38   | In Stock         |
| Main Steam & Reheat Steam; Turbine Drains | Vacuum Trip Device                |                           | Pressure Transmitter - Unit 1  |   | TRANSMITTER,PRESS -<br>30-0" | Order Pending    |
| Powerhouse and Switchyard Single Line     | 258V DC System                    | Unit 1 & 2 Field Breakers | Field Breaker  |   | BREAKER,FIELD ABB<br>F3/SE   | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Mark 5 System - cable assemblies   |   | CABLE ASSY,SERVO<br>G.E.     | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Mark 5 System - 50 gal. Intercept Control Valve Servos                                   |   | VALVE,SERVO 50.0<br>GPM      | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Mark 5 System - 50 gal. Main Control Valve Servos  |   | VALVE,SERVO 50.0<br>GPM      | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Mark 5 System - 6 gal. Intercept Control Valve Servos (scram)                            |   | VALVE,SERVO 9.0-11.0<br>GPM  | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Mark 5 System - 6 gal. Main Stop Valve Servos  |   | VALVE,SERVO 9.0-11.0<br>GPM  | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Linear Variable Differential Transducer for Intercept Control Valve & Main Control Valve |   | TRANSDUCER,GE                | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Linear Variable Differential Transducers for 1 per Main Stop Valve                       |   | TRANSDUCER,GE                | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Cable  |   | CABLE SET,FLUID<br>POWER     | In Stock         |
| Turbine Generator System Stage 1          | Governor                          | Governor                  | Valve  |   | VALVE,FLUID POWER<br>PILOT   | In Stock         |

| Asset                            |            |                        | Critical Spare                      |       |                            | Inventory Status |
|----------------------------------|------------|------------------------|-------------------------------------|-------|----------------------------|------------------|
| System                           | Sub-System | Asset                  | Defined Spare                       | Notes | Inventory Description      |                  |
| Turbine Generator System Stage 1 | Governor   | Governor               | Sensor                              |       | SENSOR,FLUID POWER         | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Governor               | Coil                                |       | COIL,FLUID POWER           | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Governor               | Go Switch - Limit Switches          |       | SWITCH,LIMIT GO LEVER      | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Governor               | Cable Set                           |       | CABLE SET,FLUID POWER      | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Governor               | Valve                               |       | VALVE,FLUID POWER PILOT    | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Governor               | Sensor                              |       | SENSOR,FLUID POWER         | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Governor               | Coil                                |       | COIL,FLUID POWER           | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Governor               | O-Ring Kit                          |       | O-RING KIT,FLUID POWER     | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | RES,50OHM,5%,40 WATT                |       | RESISTOR,500HM             | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | DIODE MOD,1200V,45A,SKKD46/12       |       | DIODE,MOD 1200V            | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | RELAY                               |       | RELAY,12HGA11J52           | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | CPF MK5 CONTROL POWE                |       | CONTROL,MK5 POWER          | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | TERMINATOR,93 OHMS                  |       | TERMINATOR,93 OHMS         | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | RESISTOR                            |       | RESISTOR,323A2354P1        | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | RESISTOR                            |       | RESISTOR,323A2354P2        | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | RES 100 OHM 5% 40W                  |       | RESISTOR,100 OHM           | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | CAP-METALLIZED-MYLAR                |       | CAP,METALIZED MYLAR        | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | MKV, C-Core Terminal Board          |       | TERMINAL BOARD,MKV C-CORE  | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | MKV, Terminal Board, Digital I/O    |       | TERMINAL BOARD,DIGITAL I/O | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | MKV, Terminal Board, Digital I/O    |       | TERMINAL BOARD,DIGITAL I/O | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | MKV, Terminal Board, Relay/Solenoid |       | TERMINAL BOARD,MKV RELAY   | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | MKV, Terminal Board, Relay/Solenoid |       | TERMINAL BOARD,MKV RELAY   | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | MKV, P-Core Terminal Board          |       | TERMINAL BOARD,MKV P-CORE  | In Stock         |
| Turbine Generator System Stage 1 | Governor   | Turbine Control System | TERM. BOARD (R-S-T)                 |       | TERMINAL BOARD,(R-S-T)     | In Stock         |

| Asset                            |                         |                        | Critical Spare  |  |                             | Inventory Status |
|----------------------------------|-------------------------|------------------------|---|--|-----------------------------|------------------|
| System                           | Sub-System              | Asset                  | Defined Spare   | Notes  | Inventory Description       |                  |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | Main Control Card                                     | New no longer available, reman only                                | BOARD,GE DS200SDCCG4A       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, LAN Comm Interface Card                          |  | BOARD,GE DS200SLCC G3A/PS   | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV,Thermocouple Terminal Board                       |  | TERMINAL BOARD,THERMOCOUPLE | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV,TERM.BD ©R-S-T TC                                 |  | TERMINAL BOARD,MKV          | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKVe, Analog I/O Terminal Board                       |  | TERMINAL BOARD,ANALOG I/O   | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKVe, Analog I/O Terminal Board                       |  | TERMINAL BOARD,ANALOG I/O   | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV,TERM BD (R-S-T) EXT                               |  | TERMINAL BOARD,(R-S-T) EXT  | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, Common Analog Card                               | New no longer available, reman only                                | BOARD,GE DS200TCCAG1B       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, DIG. I/O BD. CONF. C                             |  | BOARD,GE DS200TCDAH1B/PS    | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, Emergency Overspeed Card                         | New no longer available, reman only, Has age sensitive components, | BOARD,GE DS200TCEAG1B       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, COMM. CIRCUITS FOR T                             | Has age sensitive components                                       | BOARD,GE DS200TCEBG1B       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | PDM, Switch & Fuse Card                               |  | BOARD,GE DS200TCPDG1B       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, DC INPUT PWR SUPPLY                              | New no longer available, reman only, Has age sensitive components, | BOARD,GE DS200TCPSG1A       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, Analog I/O Card                                  |  | BOARD,GE DS200TCQAG1B       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, (RST) Extended Analog I/O Card                   | New no longer available, reman only                                | CARD,EXTENDED MKV (RST)     | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, BOARD-(RST) OVERFLOW                             | New no longer available, reman only                                | BOARD,GE DS200TCQCG1B       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, Relay Output Card                                |  | BOARD,GE DS200TCRAG1A/PS    | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MKV, Turbine Trip Card                                | New no longer available, reman only                                | BOARD,GE DS200TCTSG1A       | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | MODULE,AC TO DC                                       |  | MODULE,AC TO DC             | In Stock         |
| Turbine Generator System Stage 1 | Governor                | Turbine Control System | (Commissioning Kit) Fuses, Resistors , Diodes, Relays |  | SPARE KIT,MKV               | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System | DC Oil Pump            | Pump  |  | PUMP,DC LUBE OIL            | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System | DC Motor               | Motor   |  | MOTOR,DC LUBE OIL PUMP      | In Stock         |

| Asset                            |                            |                               | Critical Spare        |                                     |                               | Inventory Status |
|----------------------------------|----------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------|------------------|
| System                           | Sub-System                 | Asset                         | Defined Spare         | Notes                               | Inventory Description         |                  |
| Turbine Generator System Stage 1 | Turbine Lube Oil System    | Pressure Switches             | Switch                |                                     | SWITCH,PRESS 0-150 PSI        | In Stock         |
| Turbine Generator System Stage 1 | Hydraulic Fluid System     | Fluid Pumps                   | Pump                  |                                     | PUMP,HYD FLUID POWER UNIT     | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System    | AC Oil Pumps                  | Shaft                 |                                     | SHAFT,IR 10 (TYPE 2 ERVH)     | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System    | AC Oil Pumps                  | Impeller              |                                     | IMPELLER,IR 2RVH3DX1-813      | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System    | AC Oil Pumps                  | Sleeve                |                                     | SLEEVE,I RAND 175B135NX1B-204 | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System    | AC Oil Pumps                  | Key                   |                                     | KEY,IMPELLER IR 11A9C37       | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System    | AC Motor                      | Motor                 |                                     | MOTOR,ELECT 20HP 575VAC       | In Stock         |
| Turbine Generator System Stage 1 | Turbine Lube Oil System    | Pressure Switch 2             | Switch                |                                     | SWITCH,PRESS 0-150 PSI        | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Main Steam Valve - Actuator   | Bushing               |                                     | BUSHING,FISH 1E845714012      | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Main Steam Valve - Actuator   | Diaphragm             |                                     | DIAPHRAGM,FISH 2E859802202    | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Main Steam Valve - Actuator   | Repair Kit            |                                     | ACTUATOR KIT,FISH R667X000502 | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Main Steam Valve - Body       | Packing               |                                     | PACKING KIT,FISH RPACCKX0011  | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Main Steam Valve - Body       | Positioner            |                                     | POSITIONER,FISH DVC6200       | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Dump Control Valve - Actuator | Diaphragm             |                                     | DIAPHRAGM,FISH 2N130902202    | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Dump Control Valve - Actuator | Repair Kit            |                                     | ACTUATOR KIT,FISH R667X000702 | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Dump Control Valve - Body     | Gasket                |                                     | GASKET SET,FISH RGASKETX232   | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Dump Control Valve - Body     | Plug/Stem             |                                     | PLUG/STEM,FISH 27A3965X052    | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Dump Control Valve - Body     | Cage                  |                                     | CAGE,FISH 20A3245X092         | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Dump Control Valve - Body     | Ring                  |                                     | RING,FISH 17A3991X022         | In Stock         |
| Turbine Generator System Stage 1 | Steam Seal Regulator       | Dump Control Valve - Body     | Seat Ring             |                                     | RING,FISH 20A3260X152         | In Stock         |
| Units 1 & 2 Air & Flue Gas       | Furnace Pressure TX (Trip) | Pressure Transmitter          | Pressure Transmittter |                                     | TRANSMITTER,DP - 8000-8000KPA | In Stock         |
| Units 1 & 2 Air & Flue Gas       | Rotary Air Heaters         | Baskets                       | Basket Set            | To be ordered & stocked as required | BASKET SET,AIR HEATER 21-1/2" | Non-Stock        |
| Units 1 & 2 Air & Flue Gas       | Rotary Air Heaters         | Baskets                       | Basket Set            | To be ordered & stocked as required | BASKET SET,AIR HEATER U1      | Non-Stock        |
| Units 1 & 2 Air & Flue Gas       | Rotary Air Heaters         | Rotating Element & Bearings   | Bearing               |                                     | BEARING,BALL 23034CCK/C3W33   | In Stock         |

| Asset                       |                               |                               | Critical Spare   |       |                               | Inventory Status |
|-----------------------------|-------------------------------|-------------------------------|------------------|-------|-------------------------------|------------------|
| System                      | Sub-System                    | Asset                         | Defined Spare    | Notes | Inventory Description         |                  |
| Units 1 & 2 Air & Flue Gas  | Rotary Air Heaters            | Rotating Element & Bearings   | Seal             |       | SEAL,HOWDEN 68-01-615         | In Stock         |
| Units 1 & 2 Air & Flue Gas  | Rotary Air Heaters            | Drive System                  | Coupling         |       | COUPLING,STEELFLEX 1-1/8 S-4  | In Stock         |
| Units 1 & 2 Air & Flue Gas  | Rotary Air Heaters            | Drive System                  | Air Motor        |       | AIR MOTOR,ING RAND            | In Stock         |
| Units 1 & 2 Air & Flue Gas  | Rotary Air Heaters            | Drive System                  | Motor            |       | MOTOR,HEATER 1/3HP (XL GEAR)  | In Stock         |
| Units 1 & 2 Air & Flue Gas  | Rotary Air Heaters            | Soot Blowers                  | Sleeve           |       | SLEEVE,RELIANCE 411629-6A     | In Stock         |
| Units 1 & 2 Air & Flue Gas  | Rotary Air Heaters            | Soot Blowers                  | Coupling         |       | COUPLING,BORE 3/4X5/8         | In Stock         |
| Units 1 & 2 Air & Flue Gas  | Rotary Air Heaters            | Soot Blowers                  | Roller assembly  |       | ROLLER,ASSEMBLY               | In Stock         |
| Units 1 & 2 Fuel Oil System | Combustion Control Valve      | Combustion Control Valve      | Gasket           |       | GASKET SET,FISH RGASKETX182   | In Stock         |
| Units 1 & 2 Fuel Oil System | Combustion Control Valve      | Combustion Control Valve      | Stud             |       | STUD,DEW 0282336              | In Stock         |
| Units 1 & 2 Fuel Oil System | Combustion Control Valve      | Combustion Control Valve      | Repair Kit       |       | ACTUATOR KIT,FISH R667X000402 | In Stock         |
| Units 1 & 2 Fuel Oil System | Combustion Control Valve      | Combustion Control Valve      | Cage             |       | CAGE,FISH 2U224033272         | In Stock         |
| Units 1 & 2 Fuel Oil System | Combustion Control Valve      | Combustion Control Valve      | Plug/Stem        |       | PLUG ASSY,FISH 1V6575X0052    | In Stock         |
| Units 1 & 2 Fuel Oil System | Combustion Control Valve      | Combustion Control Valve      | Ring             |       | RING,FISH 1U222646172         | In Stock         |
| Units 1 & 2 Fuel Oil System | Combustion Control Valve      | Combustion Control Valve      | Bushing          |       | BUSHING,FISH 1E682814012      | In Stock         |
| Units 1 & 2 Fuel Oil System | Atomizing Steam Valve         | Atomizing Steam Valve         | 2" Flanged Valve |       | VALVE,FISH ATOM STEAM         | In Stock         |
| Units 1 & 2 Fuel Oil System | Main Fuel Oil Trip Valve      | Main Fuel Oil Trip Valve      | Flanged Valve    |       | VALVE,FISH F.O. TRIP          | In Stock         |
| Units 1 & 2 Fuel Oil System | Header Pressure Control Valve | Header Pressure Control Valve | Repair Kit       |       | PACKING KIT,FISH RPACKX00012  | In Stock         |
| Units 1 & 2 Fuel Oil System | Header Pressure Control Valve | Header Pressure Control Valve | Diaphragm        |       | DIAPHRAGM,FISH 2E670002202    | In Stock         |
| Units 1 & 2 Fuel Oil System | Fuel Oil Pumps                | Fuel Oil Pumps                | PUMP,IMO C324    |       | PUMP,IMO C324 (COMPLETE)      | In Stock         |
| Units 1 & 2 Fuel Oil System | Mechanical Seal               | Mechanical Seal               | Seal             |       | SEAL,MECHANICAL FUEL C324     | In Stock         |
| Units 1 & 2 Fuel Oil System | Short Recirculation Valve     | Short Recirculation Valve     | Gasket Set       |       | GASKET SET,FISH RGASKETX312   | In Stock         |
| Units 1 & 2 Fuel Oil System | Short Recirculation Valve     | Short Recirculation Valve     | Packing          |       | PACKING KIT,FISH RPACKX00012  | In Stock         |
| Units 1 & 2 Fuel Oil System | Short Recirculation Valve     | Short Recirculation Valve     | Ring             |       | RING,FISH 1U222535072         | In Stock         |
| Units 1 & 2 Fuel Oil System | Short Recirculation Valve     | Short Recirculation Valve     | Plug/stem        |       | PLUG/STEM,FISH 1U8350X0022    | In Stock         |
| Units 1 & 2 Fuel Oil System | Short Recirculation Valve     | Short Recirculation Valve     | Cage             |       | CAGE,FISH 2U215033272         | In Stock         |

| Asset                             |                          |   | Critical Spare                            |  |                                     | Inventory Status |
|-----------------------------------|--------------------------|---|---|--|-------------------------------------|------------------|
| System                            | Sub-System               | Asset                                     | Defined Spare                             | Notes  | Inventory Description               |                  |
| Units 1 & 2 Fuel Oil System       | Long Recirculatoin Valve | Long Recirculatoin Valve                  | Gasket                                    |  | GASKET,FISH<br>10A4154X012          | In Stock         |
| Units 1 & 2 Fuel Oil System       | Long Recirculatoin Valve | Long Recirculatoin Valve                  | Ring                                      |  | RING,FISH<br>1U222835072            | In Stock         |
| Units 1 & 2 Fuel Oil System       | Long Recirculatoin Valve | Long Recirculatoin Valve                  | Diaphragm                                 |  | DIAPHRAGM,FISH<br>2N126902202       | In Stock         |
| Units 1 & 2 Fuel Oil System       | Long Recirculatoin Valve | Long Recirculatoin Valve                  | Cage                                      | Repair Parts Stocked Ref<br>CN116597                                   | CAGE,FISH<br>2U231833272            | In Stock         |
| Units 1 & 2 Fuel Oil System       | Fuel Oil Heaters         | Fuel Oil Heaters                          | Gaskets                                   |  | GASKET,FUEL OIL<br>HEATER           | In Stock         |
| Units 1 & 2 Fuel Oil System       | Fuel Oil Heaters         | Fuel Oil Heaters                          | Tube Bundles                              | Annual Inspection plus online<br>Check. To be ordered as<br>required.  | HEATER,FUEL OIL<br>STAGE 1          | Non-Stock        |
| Units 1 & 2 Fuel Oil System       | Burners                  | Oil Valve                                 | Oil, Steam & Scavage<br>Valves - All Same |  | VALVE,BALL 3/4 C/W<br>PNEU          | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Cage                                      |  | CAGE,FISH<br>42B3570X012            | On Order         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Plug/stem                                 |  | PLUG/STEM,FISH<br>36A5366X062       | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Ring                                      |  | RING,FISH<br>26A5285X012            | On Order         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Ring                                      |  | RING,FISH<br>26A5299X052            | On Order         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Ring                                      |  | RING,FISH<br>10A5411X022            | On Order         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Pin                                       |  | PIN,FISH 1V334035072                | On Order         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Gasket                                    |  | GASKET,FISH<br>18A2810X012          | On Order         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Gasket                                    |  | GASKET,FISH<br>26A5314X012          | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Ring                                      |  | RING,FISH<br>10A5410X012            | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve -<br>Unit 1 | Packing                                   |  | PACKING,FISH<br>1R290601012         | On Order         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps - Unit 1 E & W          | Element Assembly (Volute)                 | Rebuildable Item<br>If this is not in stock, it is out<br>for rebuild. | ELEMENT<br>ASSY,VOLUTE/ROTATI<br>NG | Non-Stock        |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps - Unit 1 E & W          | Bushing                                   |  | BUSHING,BJ 216507LG                 | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps - Unit 1 E & W          | Shaft Driven Oil Pump                     |  | PUMP,BJ DWG C1F-<br>238             | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps - Unit 1 E & W          | Ring                                      |  | RING,BJ 612987-EH                   | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps - Unit 1 E & W          | Ring                                      |  | RING,BJ 634599-BG                   | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps - Unit 1 E & W          | Shoe                                      |  | SHOE ASSY,BJ 631163-<br>KD          | In Stock         |

| Asset                             |   |                                       | Critical Spare         |  |   | Inventory Status |
|-----------------------------------|---|---------------------------------------|------------------------|--|---|------------------|
| System                            | Sub-System  | Asset                                 | Defined Spare          | Notes                                      | Inventory Description                                       |                  |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Boiler Feed Pumps - Unit 1 E & W      | Cover                  |  | COVER,BJ 308952-SA  | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Boiler Feed Pumps                     | 3000HP Motor, 4160Vac  | Motor stored off site via service contract | SCIM, sin# 1026366788, frame MGP500B, 3000HP, 4160Vac, 60Hz | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Main Feedwater Low Load Control Valve | Gasket                 |  | GASKET,FISH 12B7100X082                                     | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Main Feedwater Low Load Control Valve | Seal                   |  | SEAL,FISH 10A4215X012                                       | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Main Feedwater Low Load Control Valve | Ring                   |  | RING,FISH 10A4217X012                                       | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Main Feedwater Low Load Control Valve | Ring                   |  | RING,FISH 10A4219X012                                       | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Main Feedwater Low Load Control Valve | Ring                   |  | RING,FISH 22B9344X012                                       | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Main Feedwater Low Load Control Valve | Plug/Stem              |  | PLUG/STEM,FISH 38A0014X062                                  | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit #1 - All HP Heaters              | Level Transmitter      |  | TRANSMITTER, DP 0-120" H2O                                  | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit # 2 - HP Heater # 4 & 6          | Level Transmitter      |  | TRANSMITTER, DP 0-120" H2O                                  | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit # 2 -HP Heater # 5               | Level Transmitter      |  | TRANSMITTER, DP 0-120" H2O                                  | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit 1 - All HP Heaters               | Aquarian Alarm Modules |  | MODULE,AQUARIAN   | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit #2 - Heater # 4 & 6              | Aquarian Alarm Modules |  | MODULE,AQUARIAN   | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit # 2 -HP Heater # 5               | Aquarian Alarm Modules |  | MODULE,AQUARIAN   | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit 1 & 2 - All HP Heaters           | Conductivity Probe     | Hi-Level Switch                            | PROBE,CONDUCTIVITY  | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit # 1 & 2 - All HP Heaters         | Relay                  |  | RELAY,PLUG-IN 12 PIN AC                                     | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | Unit 1 & 2                            | Solenoid               |  | SOLENOID,ASCO 8300 125 VDC                                  | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Suction Valve Limit Switch            | Oil Tight Limit Switch |  | SWITCH,LIMIT AB 802T B                                      | In Stock         |
| Units 1 & 2 H.P. Feedwater System | Boiler Feed                                       | Suction Valve                         | Packing                |  | PACKING,GRAFOIL 1IDX1-1/2OD                                 | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves               | Gasket                 |  | GASKET,HOP 30037592   | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves               | Spindle                |  | SPINDLE,HOP 44574-011                                       | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves               | Nut                    |  | NUT,HOP 35224-508   | In Stock         |
| Units 1 & 2 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves               | Stop                   |  | STOP,HOP 8 VALVE 24930W                                     | In Stock         |

| Asset                                 |                             |                                       | Critical Spare  |  |                            | Inventory Status |
|---------------------------------------|-----------------------------|---------------------------------------|---|--|----------------------------|------------------|
| System                                | Sub-System                  | Asset                                 | Defined Spare   | Notes  | Inventory Description      |                  |
| Units 1 & 2 H.P. Feedwater System     | H.P. Heaters                | Motorized Bypass Valves               | Belt  |  | BELT ASSY,HOP 44511-001    | In Stock         |
| Units 1 & 2 H.P. Feedwater System     | H.P. Heaters                | NRV Valves - Heater # 4               | 8"- 150# Gasket Kit                                     |  | GASKET,S&K 74S0397V0010    | In Stock         |
| Units 1 & 2 H.P. Feedwater System     | H.P. Heaters                | NRV Valves - Heater # 5               | 8"- 300# Gasket Kit                                     |  | GASKET,S&K 74S0397V0010    | In Stock         |
| Units 1 & 2 H.P. Feedwater System     | H.P. Heaters                | NRV Valves - Heater # 6               | 8"- 600# Gasket Kit                                     |  | GASKET,S&K 74S0397V0010    | In Stock         |
| Units 1 & 2 H.P. Feedwater System     | Steam Drum                  | Level Control Transmitters            | Level Transmitter                                       |  | TRANSMITTER,PRESS 5800     | In Stock         |
| Units 1 & 2 H.P. Feedwater System     | Boiler Feed                 | Suction Line Safety Valve             | 1/2" x 1" Valve   |  | VALVE,RELIEF 1/2"110# SE   | In Stock         |
| Units 1 & 2 H.P. Feedwater System     | Boiler Feed                 | Boiler Feed Recirculation Valve to DA | 4" Valve  |  | VALVE,GATE 4 CS BW 300#    | In Stock         |
| Combustion Air & Gas Instruments      | Burner Management           | Positioner                            | 2.5" x 5 "Pneumatic PowerPositioner (Hagan)<br>In Stock |  | VALVE ASSY,373218-001      | In Stock         |
| L.P. Feedwater System                 | Condensate Extraction Pumps | Pump                                  | Coupling  |  | COUPLING,METASTRE AM       | In Stock         |
| L.P. Feedwater System                 | Condensate Extraction Pumps | Pump                                  | Bearing   | C. Thangasamy to contact Flowserve for bearing spec. | BEARING,JOURNAL MP 215878E | Non-Stock        |
| L.P. Feedwater System                 | Condensate Extraction Pumps | Pump                                  | Impeller  |  | IMPELLER,MAT PLA 27881-P   | In Stock         |
| L.P. Feedwater System                 | Condensate Extraction Pumps | Pump                                  | Impeller  |  | IMPELLER,MAT PLA 27882-P   | In Stock         |
| L.P. Feedwater System                 | Condensate Extraction Pumps | Pump                                  | Impeller  |  | O-RING,M&P 775C            | In Stock         |
| L.P. Feedwater System                 | Condensate Extraction Pumps | Pump                                  | Impeller  |  | O-RING,MAT PLA 775D        | In Stock         |
| Powerhouse and Switchyard Single Line | 258V DC System              | Cable                                 | Cable   |  | CABLE,BATTERY 1/0          | In Stock         |
| Turbine Generator System Stage 1      | Governor                    | Governor                              | Mark 5 System - speed probes                            |  | PROBE,SPEED PICKUP         | In Stock         |
| Turbine Generator System Stage 1      | Turbine Lube Oil System     | Pressure Switch 1                     | Switch  |  | SWITCH,PRESS 0-150 PSI     | In Stock         |
| Turbine Generator System Stage 1      | Steam Seal Regulator        | Dump Control Valve - Body             | Positioner  |  | POSITIONER,FISH DVC6200    | In Stock         |
| Condenser Air Extraction System       | Mechanical Vacuum Pumps     | Motor                                 | Motor   |  | MOTOR,ELECT 50HP 575V      | In Stock         |
| Generator                             | Stator                      | PT Cubicle                            | Potential Transformer (PT)                              |  | TRANSFORMER,GE 765X        | In Stock         |
| Generator                             | Stator                      | Stand Off Insulators                  | Stand Off Insulator                                     |  | BUSHING,HIGH VOLTAGE GE    | In Stock         |
| Turbine Generator System Stage 1      | Governor                    | Governor                              | Truck V-Fast Cables                                     |  | CABLE SET,FLUID POWER      | In Stock         |
| Generator                             | Stator                      | Stator and Brush Rigging Assembly     | Brush   |  | BRUSH,GENERATOR U1 & U2    | In Stock         |

| Asset                                    |                     |                                | Critical Spare              |  |   | Inventory Status |
|--|---------------------|--------------------------------|-----------------------------|--|---|------------------|
| System                                   | Sub-System          | Asset                          | Defined Spare               | Notes                                      | Inventory Description                                       |                  |
| Units 1 & 2 Air & Flue Gas               | F.D. Fans           | Unit 1& 2 - Fans               | Inboard Bearing Liner       |  | LINER,BEARING 6"  | In Stock         |
| Units 1 & 2 Air & Flue Gas               | F.D. Fans           | Unit 1& 2 - Fans               | Outboard Bearing Liner      |  | SLEEVE,BEARING 6"   | In Stock         |
| Units 1 & 2 Air & Flue Gas               | F.D. Fans           | Unit 1& 2 - Fans               | Bearing Set                 | U1 West (Dodge)                            | BEARING SET,SLEEVE 6"                                       | In Stock         |
| Units 1 & 2 Air & Flue Gas               | F.D. Fans           | Unit 1& 2 - Fans               | 200A Power Cell             |  | POWER CELL,SIEMENS 200A                                     | In Stock         |
| Units 1 & 2 Air & Flue Gas               | F.D. Fans           | Unit 1& 2 - Fans               | 1500HP Motor, 4160Vac       | Motor stored off site via service contract | SCIM, sin# 1026842643, frame MGP500C, 1500HP, 4160Vac, 60Hz | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Panel                          | 400A DC Breaker             |  | BREAKER,DC KD2400F 400A                                     | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Panel                          | 40A DC Breaker              |  | BREAKER,DC HFD2040 40A                                      | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-116  | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-114-1                                      | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-111-1                                      | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-107-2                                      | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-107-2                                      | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-107-2                                      | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-107-2A                                     | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Electronic Control Cards    |  | CARD,CIGENTEC 81-112-2                                      | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger                        | Rectifier                   |  | RECTIFIER,CIGENT 323-230                                    | In Stock         |
| Powerhouse and Switchyard Single Line    | 258V DC System      | Charger Cigentic               | Charger                     | Individual replacement components stocked  | CHARGER,BATTERY 250VDC                                      | Non-Stock        |
| Circulating Water and Screen Wash System | CW Discharge Valves | Valve                          | 36 ' Butterfly Valve        |  | VALVE,BUTTERFLY 36"   | In Stock         |
| Circulating Water and Screen Wash System | CW Discharge Valves | Actuator                       | CW Butterfly Valve Actuator |  | ACTUATOR ASSY,ROTORK  | In Stock         |
| Circulating Water and Screen Wash System | CW Pumps            | Motor                          | Coils                       |  | COILS,STAGE 2 MOTOR   | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Burner Automation              | Network Interface Modules   |  | MODULE,NETWORK INTERFACE                                    | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Burner Automation              | Master Fuel Trip Relays     |  | RELAY,SD 8501XUDO   | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Burner Automation              | DCS Control Processor       |  | MODULE,PROCESSOR FOXBORO                                    | In Stock         |
| Combustion Air & Gas Instruments         | Burner Management   | Elevation Oil Flow Transmitter | Meter & Transmitter         |  | FLOWMETER,PROMAS S 83F40                                    | In Stock         |

| Asset                            |                       |                                   | Critical Spare           |       |                                 | Inventory Status |
|----------------------------------|-----------------------|-----------------------------------|--------------------------|-------|---------------------------------|------------------|
| System                           | Sub-System            | Asset                             | Defined Spare            | Notes | Inventory Description           |                  |
| Combustion Air & Gas Instruments | Burner Management     | Elevation Air Dampers             | Positioner               |       | POSITIONER,FISH<br>DVC6200      | In Stock         |
| Condenser Air Extraction System  | Vacuum Breakers       |                                   | 6" Flange Vacuum Breaker |       | VALVE,AIR & VACUUM<br>6 FLG     | On Order         |
| Generator                        | Stator                | Stator and Brush Rigging Assembly | Brush                    |       | BRUSH,GENERATOR<br>U3           | In Stock         |
| Generator                        | Synchronous Condensor | Thrust Bearing                    | Bearing Pad              |       | PAD,BEARING U3 SYNC<br>COND     | In Stock         |
| Generator                        | Synchronous Condensor | Thrust Bearing                    | Seal Ring                |       | RING,SEAL U3 SYNC<br>COND       | In Stock         |
| Generator                        | Synchronous Condensor | Thrust Bearing                    | Thrust bearing           |       | BEARING,THRUST U3<br>SYNC COND  | In Stock         |
| Generator                        | Synchronous Condensor | Thrust Bearing                    | Thrust bearing           |       | BEARING,THRUST U3<br>SYNCH COND | In Stock         |
| Generator                        | Synchronous Condensor | Thrust Bearing                    | Seal Ring                |       | RING,SEAL U3 SYNCH<br>COND      | In Stock         |
| Generator                        | Synchronous Condensor | Thrust Bearing                    | Thermocouple             |       | THERMOCOUPLE,U3<br>SYNCH COND   | In Stock         |
| Generator                        | Seal Oil System       | Seals                             | Bellows                  |       | BELLOWS,HITACHI                 | In Stock         |
| Generator                        | Seal Oil System       | Seals                             | Gaskets                  |       | GASKET,HITACHI                  | In Stock         |
| Generator                        | Seal Oil System       | Seals                             | Gaskets                  |       | GASKET,HITACHI                  | In Stock         |
| Generator                        | Seal Oil System       | Seals                             | Gaskets                  |       | GASKET,HITACHI                  | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Converter                |       | CONVERTER,ABB<br>EXCITER        | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | ECT Panel                |       | ECT PANEL,ABB<br>EXCITER        | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Controller               |       | CONTROLLER,ABB<br>EXCITER       | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Computer                 |       | COMPUTER,ABB<br>EXCITER         | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Firing Board             |       | BOARD,ABB EXCITER               | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Message Module           |       | MODULE,ABB EXCITER              | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Input Coupling           |       | INPUT COUPLING<br>UNIT,ABB      | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Power Supply             |       | POWER SUPPLY,ABB                | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Crowbar                  |       | CROWBAR,ABB<br>EXCITER          | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Murr                     |       | MURR,ABB EXCITER                | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Resistor                 |       | RESISTOR,ABB EXCITER            | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | I/O/ Board               |       | BOARD,ABB<br>COMBINED I/O       | In Stock         |
| Generator                        | Exciter               | Exciter Control System            | Field Breaker            |       | BREAKER,FIELD ABB<br>E2/E       | In Stock         |
| Generator                        | Stator                | Stand Off Insulators              | Insulator Bushing        |       | BUSHING,HIGH<br>VOLTAGE HIT     | In Stock         |

| Asset                            |   |                     | Critical Spare                        |       |                             | Inventory Status |
|----------------------------------|---|---------------------|---------------------------------------|-------|-----------------------------|------------------|
| System                           | Sub-System  | Asset               | Defined Spare                         | Notes | Inventory Description       |                  |
| Generator                        | Stator  | PT Cubicle          | Potential Transformer (PT)            |       | TRANSFORMER,EATON VIZZ      | In Stock         |
| Generator                        | Stator  | PT Cubicle          | Fuse                                  |       | FUSE,GE EJ0-1-C588L405G1    | In Stock         |
| Ignitor Light Oil and Air Supply | Light Oil   | Trip Valve          | 1-1/2" Valve                          |       | VALVE KIT,JAMES RKB5MT      | In Stock         |
| Ignitor Light Oil and Air Supply | Light Oil   | Igniter Control Box | Light Oil / Air Supply Solenoid Valve |       | SOLENOID,ASCO 8342C1        | In Stock         |
| Ignitor Light Oil and Air Supply |   | Igniter Control Box | Purge Solenoid Valve                  |       | SOLENOID,ASCO 8262G232      | In Stock         |
| Ignitor Light Oil and Air Supply |   | Igniter Control Box | Pneumatic Actuator                    |       | ACTUATOR,PNEU R16C          | In Stock         |
| Ignitor Light Oil and Air Supply |   | Igniter Control Box | Ignition Transformer                  |       | XFMR,IGNITION 120V 60C      | In Stock         |
| Ignitor Light Oil and Air Supply |   | Igniter Control Box | Relay                                 |       | BOX,IGNITOR C/W CABLES N-6  | In Stock         |
| Ignitor Light Oil and Air Supply |   | Igniter Control Box | Sunspot - Scanner                     |       | SCANNER,FOSSIL 9100-1000    | In Stock         |
| Ignitor Light Oil and Air Supply |   | Igniter Control Box | Snap Action Switch                    |       | MICROSWITCH,16CX1 2-D01     | In Stock         |
| Ignitor Light Oil and Air Supply |   | Igniter Control Box | 1/4" Light Oil Air Ball Valves        |       | VALVE,BALL 1/4" U3 IGNITOR  | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                     | Level Transmitter LP Heater #1        |       | TRANSMITTER,LEVEL           | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                     | Aquarian Alarm Modules                |       | MODULE,AQUARIAN             | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                     | Solenoid                              |       | SOLENOID,ASCO 8300 125 VDC  | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                     | Relay                                 |       | RELAY,OMRON MM4XP-DC125     | In Stock         |
| L.P. Feedwater System            | L.P. Heater Controls (Water Induction Protection) |                     | Conductivity Probe                    |       | PROBE,CONDUCTIVITY          | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | Deaerator           | Gauge Glasses                         |       | GAUGE,GLASS 3/4X48          | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | Level Control       | Level Switch                          |       | SWITCH ASSY,MAG 89-7401-052 | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | Level Control       | Solenoid                              |       | SOLENOID,ASCO 8320G184M0    | In Stock         |
| L.P. Feedwater System            | Deaerator System                                  | Level Control       | Level Transmitter                     |       | TRANSMITTER, DP 0-120" H20  | In Stock         |
| L.P. Feedwater System            | Condensate Polishers (Units 1, 2, 3)              | Control Valves      | Repair Kit                            |       | VALVE KIT,BALL 8"           | In Stock         |
| L.P. Feedwater System            | Condensate Polishers (Units 1, 2, 3)              | Control Valves      | Repair Kit                            |       | ACTUATOR KIT,WORCH C-38     | In Stock         |
| L.P. Feedwater System            | Condensate Polishers (Units 1, 2, 3)              | Control Valves      | Valve                                 |       | VALVE,FISH 8560-1052-36105  | In Stock         |
| L.P. Feedwater System            | Condensate Polishers (Units 1, 2, 3)              | Control Valves      | Disc                                  |       | DISC,FISH 75B1036X102       | In Stock         |

| Asset                                     |                                      |                           | Critical Spare  |       |                               | Inventory Status |
|---|--------------------------------------|---------------------------|-----------------|-------|-------------------------------|------------------|
| System                                    | Sub-System                           | Asset                     | Defined Spare   | Notes | Inventory Description         |                  |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Control Valves            | Pin             |       | PIN,FISH 75B1122X052          | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Control Valves            | Pin             |       | PIN,FISH<br>G13725K0022       | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Control Valves            | Ring            |       | RING,FISH<br>75B0311X032      | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Control Valves            | Shaft           |       | SHAFT,FISH<br>75B0014X012     | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Control Valves            | Spring          |       | SPRING,FISH<br>75B0012X012    | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Control Valves            | Packing         |       | PACKING,FISH<br>12A8951X022   | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Control Valves            | Bearing         |       | BEARING,FISH<br>75B1076X012   | In Stock         |
| L.P. Feedwater System                     | L.P. Heaters                         | NRV Valves - #2 LP Heater | 20"Dia          |       | GASKET,COVER HIT              | In Stock         |
| L.P. Feedwater System                     | L.P. Heaters                         | NRV Valves - #1 LP Heater | 24" Dia         |       | GASKET,COVER HIT              | In Stock         |
| L.P. Feedwater System                     | Deaerator System                     | NRV Valves (2)            | 14" Dia on DA   |       | GASKET COVER HIT              | In Stock         |
| L.P. Feedwater System                     | Deaerator System                     | Safety Valves             | Disc            |       | DISC,VALVE SAFETY<br>RELIEF   | In Stock         |
| L.P. Feedwater System                     | Polisher Bypass Valve                |                           | Parts to Repair |       | VALVE,FISH 8560-1052<br>36105 | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Valves                    | Valve Kit       |       | VALVE KIT,BALL 3              | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Valves                    | Actuator Kit    |       | ACTUATOR<br>KIT,WORCH D-38    | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Valves                    | Valve Kit       |       | VALVE KIT,BALL 2              | In Stock         |
| L.P. Feedwater System                     | Condensate Polishers (Units 1, 2, 3) | Valves                    | Actuator Kit    |       | ACTUATOR<br>KIT,WORCH C-38    | In Stock         |
| Main Steam & Reheat Steam; Turbine Drains | Vacuum Unloading Device              |                           | Bellows         |       | BELLOW ASSY,HIT<br>L1000-1    | In Stock         |
| Powerhouse and Switchyard Single Line     | 258V DC System                       | Charger                   | 400A DC Breaker |       | BREAKER,DC KD2400F<br>400A    | In Stock         |
| Powerhouse and Switchyard Single Line     | 258V DC System                       |                           | 40A DC Breaker  |       | BREAKER,DC HFD2040<br>40A     | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | Piston          |       | PISTON RING,HITACHI           | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | Oil Seal        |       | OIL SEAL,HITACHI              | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | O-Ring          |       | O-RING,HITACHI                | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | O-Ring          |       | O-RING,HITACHI                | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | Bushing         |       | BUSHING,HITACHI               | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | Packing         |       | PACKING,HITACHI               | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | Bushing         |       | BUSHING,HITACHI               | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | O-Ring          |       | O-RING,HITACHI                | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | Bearing         |       | BEARING,HITACHI<br>LOAD LIMIT | In Stock         |
| Turbine Generator System Stage 2          | Governor                             | Governor                  | Bearing         |       | BEARING,HITACHI<br>LOAD LIMIT | In Stock         |

| Asset                            |                         |                             | Critical Spare             |                         |                                  | Inventory Status |
|----------------------------------|-------------------------|-----------------------------|----------------------------|-------------------------|----------------------------------|------------------|
| System                           | Sub-System              | Asset                       | Defined Spare              | Notes                   | Inventory Description            |                  |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Piston                     |                         | PISTON RING,HITACHI              | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Packing                    |                         | PACKING,HITACHI                  | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Sleeve                     |                         | SLEEVE,HITACHI                   | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Trunnion                   |                         | TRUNNION,HITACHI                 | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Bearing                    |                         | BEARING,BALL<br>HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Pin                        |                         | SPLIT PIN,HITACHI                | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Bearing                    |                         | BEARING,BALL<br>HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Governor                    | Oil Seal                   |                         | OIL SEAL,HITACHI                 | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Packing                    |                         | PACKING,HITACHI                  | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Piston                     |                         | PISTON RING,HITACHI              | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Seat Packing               |                         | SEAT<br>PACKING,HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Washer                     |                         | WASHER,HITACHI                   | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Washer                     |                         | WASHER,HITACHI                   | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Washer                     |                         | WASHER,HITACHI                   | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Seat Packing               |                         | SEAT<br>PACKING,HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Washer                     |                         | WASHER,HITACHI                   | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Seat Packing               |                         | SEAT<br>PACKING,HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Seat Packing               |                         | SEAT<br>PACKING,HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Seat Packing               |                         | SEAT<br>PACKING,HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Washer                     |                         | WASHER,HITACHI                   | In Stock         |
| Turbine Generator System Stage 2 | Governor                | Electrical Trip Test Device | Seat Packing               |                         | SEAT<br>PACKING,HITACHI          | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | DC Lube (Flushing) Oil Pump | Bearing                    | Parts common to AC Pump | BEARING,PLANE HIT<br>ITEM 35     | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | DC Lube (Flushing) Oil Pump | Bearing                    | Parts common to AC Pump | BEARING,PLANE HIT<br>ITEM 36     | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | DC Lube (Flushing) Oil Pump | Auto Start Pressure Switch |                         | SWITCH,PRESS 10-300<br>TYPE ACW2 | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | Shaft Driven Oil Pump       | Seal Ring                  |                         | SEALRING,10P-067-<br>551-17      | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | Shaft Driven Oil Pump       | Seal Ring                  |                         | SEALRING,10P-067-<br>551-18      | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | Shaft Driven Oil Pump       | O-Ring                     |                         | O-RING,HITACHI                   | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | Shaft Driven Oil Pump       | Ring                       |                         | RING,HIT 10P 067-551-<br>13      | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | Shaft Driven Oil Pump       | Ring                       |                         | RING,HIT 10P 067-551-<br>17      | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System | Shaft Driven Oil Pump       | Ring                       |                         | RING,HIT 10P 067-551-<br>18      | In Stock         |

| Asset                            |                             |                       | Critical Spare |       |                            | Inventory Status |
|----------------------------------|-----------------------------|-----------------------|----------------|-------|----------------------------|------------------|
| System                           | Sub-System                  | Asset                 | Defined Spare  | Notes | Inventory Description      |                  |
| Turbine Generator System Stage 2 | Turbine Lube Oil System     | Shaft Driven Oil Pump | Brush          |       | BRUSH,HIT 10P 067-551-38   | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System     | Auxiliary Oil Pump    | Bearing        |       | BEARING,PLANE HIT ITEM 35  | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System     | Auxiliary Oil Pump    | Bearing        |       | BEARING,PLANE HIT ITEM 36  | In Stock         |
| Turbine Generator System Stage 2 | Turbine Lube Oil System     | Auxiliary Oil Pump    | Motor          |       | MOTOR,AUX OIL YELLOW       | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Upper | Seat           |       | SEAT,10P-061-226-123       | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Upper | Pin            |       | PIN,10P-061-226-207        | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Upper | Lockring       |       | LOCKRING,10P-061-226-208   | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Upper | Lockring       |       | LOCKRING,10P-061-226-209   | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Upper | Pin            |       | PIN,HIT 10P-061-226/16     | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Upper | Pin            |       | PIN,HIT 10P-061-226/98     | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Lower | Bushing        |       | BUSHING,HIT T-9201         | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Lower | Pin            |       | PIN,HIT 10P-061-228-125    | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Lower | Crosshead      |       | CROSSHEAD,HIT 10P0612283   | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Lower | Pin            |       | PIN,HIT 10P-061-228/98     | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Control Valve - Lower | Pin            |       | PIN,HIT 10P-061-228/16     | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Stop Valves           | Gasket         |       | GASKET,STL #16             | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Stop Valves           | Gasket         |       | GASKET,HIT 10P-038-197-16  | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Stop Valves           | Gasket         |       | GASKET,HIT 10P-038-197-71  | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Stop Valves           | Bushing        |       | BUSHING,10P-038-197/15     | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Stop Valves           | Seal Ring      |       | SEAL RING,10P-038-197/14   | In Stock         |
| Turbine Generator System Stage 2 | Main Steam Chest Assembly   | Stop Valves           | Bushing        |       | BUSHING,HIT 10P-038-197/18 | In Stock         |
| Turbine Generator System Stage 2 | Reheat Steam Chest Assembly | Reheat/ICV Valves     | Bushing        |       | BUSHING,HIT 10P0611582     | In Stock         |
| Turbine Generator System Stage 2 | Reheat Steam Chest Assembly | Reheat/ICV Valves     | Bushing        |       | BUSHING,HIT 10P0611586     | In Stock         |
| Turbine Generator System Stage 2 | Reheat Steam Chest Assembly | Reheat/ICV Valves     | Bushing        |       | BUSHING,HIT 10P06115814    | In Stock         |
| Turbine Generator System Stage 2 | Reheat Steam Chest Assembly | Reheat/ICV Valves     | Rivet          |       | RIVET,HIT 10P-061-15863    | In Stock         |

| Asset                            |                             |  | Critical Spare  |       |                                  | Inventory Status |
|----------------------------------|-----------------------------|--|---|-------|----------------------------------|------------------|
| System                           | Sub-System                  | Asset  | Defined Spare   | Notes | Inventory Description            |                  |
| Turbine Generator System Stage 2 | Reheat Steam Chest Assembly | Reheat/ICV Valves                                | Stem  |       | STEM,HIT<br>10P061158/7          | In Stock         |
| Turbine Generator System Stage 2 | Reheat Steam Chest Assembly | Reheat/ICV Valves                                | Pin   |       | PIN,HIT 10P06115872              | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Pressure Transmitter - Unit<br>3                          |       | TRANSMITTER,PRESS 0-<br>200      | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        | 2" Valve   | Bushing   |       | BUSHING,FISH<br>1E845714012      | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        | Main Steam Control Valve -<br>Actuator           | Diaphragm   |       | DIAPHRAGM,FISH<br>2E859602202    | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        | Main Steam Control Valve -<br>Actuator           | Actuator repair kit                                       |       | ACTUATOR KIT,FISH<br>R667X000502 | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        | Main Steam Control Valve - Body                  | Packing Kit   |       | PACKING KIT,FISH<br>RPACKX0011   | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        | Main Steam Control Valve -<br>Positioner         | Positioner  |       | POSITIONER,FISH<br>DVC6200       | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        | Auxiliary Steam Control Valve -<br>actuator      | Aux Steam Control Valve -<br>Actuator - Unit 3            |       | ACTUATOR KIT,FISH<br>R470X000032 | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Aux Steam Control Valve -<br>Body - Unit 3                |       | BODY,VALVE FISH<br>3N192029022   | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Dump Control Valve -<br>Actuator - Repair Kit - Unit<br>3 |       | ACTUATOR KIT,FISHER<br>R667      | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Ring  |       | RING,FISH<br>17A3990X022         | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Ring  |       | RING,FISH<br>1U508039102         | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Pin   |       | PIN,FISH 1V326035072             | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Cage  |       | CAGE,FISH<br>2U505939102         | In Stock         |
| Turbine Generator System Stage 2 | Steam Seal Regulator        |  | Plug  |       | PLUG,FISH<br>27A3953X012         | In Stock         |
| Unit 3 Air & Flue Gas            | F.D. Fans                   | Series 8500 size 95 w/ 95" @ 100%<br>width wheel | Thrust Plate  |       | THRUST PLATE<br>KIT,DODGE 132221 | In Stock         |
| Unit 3 Air & Flue Gas            | F.D. Fans                   | Drive Motor                                      | Formed Coils  |       | COIL,WINDING U3 FD<br>FAN        | In Stock         |
| Unit 3 Air & Flue Gas            | F.D. Fans                   | Fan Assembly                                     | Liner   |       | LINER ASSY,DODGE<br>132423       | In Stock         |
| Unit 3 Air & Flue Gas            | F.D. Fans                   | Fan Assembly                                     | Collar  |       | COLLAR,DODGE<br>132154           | In Stock         |
| Unit 3 Air & Flue Gas            | F.D. Fans                   | Fan Assembly                                     | Opposite side bearing                                     |       | LINER ASSY,DODGE<br>132951       | In Stock         |
| Unit 3 Air & Flue Gas            | F.D. Fans                   | Fan Assembly                                     | 2 - Temperature probes<br>installed in bearings           |       | THERMOCOUPLE,TYPE<br>T           | On Order         |
| Unit 3 Air & Flue Gas            | F.D. Fans                   | Fan Assembly                                     | Falk Steelflex coupling                                   |       | COUPLING,STEEFLFLEX<br>GRID      | In Stock         |

| Asset                  |                    |                                   | Critical Spare      |                                     |                                | Inventory Status |
|------------------------|--------------------|-----------------------------------|---------------------|-------------------------------------|--------------------------------|------------------|
| System                 | Sub-System         | Asset                             | Defined Spare       | Notes                               | Inventory Description          |                  |
| Unit 3 Air & Flue Gas  | F.D. Fans          | 2 - Independent bearing pedestals | Gasket              |                                     | GASKET,DODGE 132170            | In Stock         |
| Unit 3 Air & Flue Gas  | F.D. Fans          | Outlet damper                     | Damper              | To be ordered & stocked as required | DAMPER,STOCKBRIDGE 0.866"      | Non-Stock        |
| Unit 3 Air & Flue Gas  | F.D. Fans          | Outlet damper                     | Damper              | To be ordered & stocked as required | DAMPER,STOCKBRIDGE 1.004"      | Non-Stock        |
| Unit 3 Air & Flue Gas  | F.D. Fans          | variable inlet vanes              | Actuator Repair Kit |                                     | DRIVE KIT,BAILEY 532694C1      | In Stock         |
| Unit 3 Air & Flue Gas  | F.D. Fans          | variable inlet vanes              | Actuator repair kit |                                     | DRIVE KIT,BAILEY 256111A0      | In Stock         |
| Unit 3 Air & Flue Gas  | Rotary Air Heaters | Gearbox                           | Gearbox             |                                     | GEARBOX,AIR HEATER U3          | In Stock         |
| Unit 3 Air & Flue Gas  | Rotary Air Heaters | Pneumatic Drive System            | Air Drive Motor     |                                     | AIR MOTOR,ING RAND             | In Stock         |
| Unit 3 Air & Flue Gas  | Rotary Air Heaters | Baskets                           | Basket Set          | To be ordered & stocked as required | BASKET SET,AIR HEATER 22-1/2"  | Non-Stock        |
| Unit 3 Air & Flue Gas  | Rotary Air Heaters | Baskets                           | Basket Set          | To be ordered & stocked as required | BASKET SET,HOT END 22-1/2"     | Non-Stock        |
| Unit 3 Air & Flue Gas  | O2 Analyzers       |                                   | Probe - In Stock    |                                     | PROBE,OXYGEN ANALYZER          | On Order         |
| Unit 3 Air & Flue Gas  | O2 Analyzers       |                                   | Analyser            |                                     | ANALYZER,ROSE 3000 OXY         | In Stock         |
| Unit 3 Fuel Oil System |                    | Main Fuel Oil Trip Valve          | Gasket              |                                     | GASKET SET,FISH RGASKETX362    | In Stock         |
| Unit 3 Fuel Oil System |                    | Main Fuel Oil Trip Valve          | Packing             |                                     | PACKING KIT,FISH RPACKX0002    | In Stock         |
| Unit 3 Fuel Oil System |                    | Main Fuel Oil Trip Valve          | Actuator            |                                     | ACTUATOR KIT,FISH R667X000502  | In Stock         |
| Unit 3 Fuel Oil System |                    | Main Fuel Oil Trip Valve          | Regulator           |                                     | REGULATOR KIT,FISH WR67AFRX011 | In Stock         |
| Unit 3 Fuel Oil System |                    | Main Fuel Oil Trip Valve          | Bushing             |                                     | BUSHING,FISH 1E845714012       | In Stock         |
| Unit 3 Fuel Oil System |                    | Main Fuel Oil Trip Valve          | Diaphragm           |                                     | DIAPHRAGM,FISH 2E859802202     | In Stock         |
| Unit 3 Fuel Oil System |                    | Main Fuel Oil Trip Valve          | Cage                |                                     | CAGE,FISH 2U236033272          | In Stock         |
| Unit 3 Fuel Oil System |                    | Combustion Control Valves         | Ring                |                                     | RING,FISH 1U217305092          | In Stock         |
| Unit 3 Fuel Oil System |                    | Combustion Control Valves         | Seat                |                                     | SEAT,FISH 1U222046172          | In Stock         |
| Unit 3 Fuel Oil System |                    | Combustion Control Valves         | Plug/Stem           |                                     | PLUG/STEM,FISH 1V6571X0042     | In Stock         |
| Unit 3 Fuel Oil System |                    | Combustion Control Valves         | Cage                |                                     | CAGE,FISH 2U215333272          | In Stock         |
| Unit 3 Fuel Oil System |                    | Combustion Control Valves         | Gasket              |                                     | GASKET SET,FISH RGASKETX242    | In Stock         |

| Asset                  |            |                                     | Critical Spare                        |       |                                  | Inventory Status |
|------------------------|------------|-------------------------------------|---------------------------------------|-------|----------------------------------|------------------|
| System                 | Sub-System | Asset                               | Defined Spare                         | Notes | Inventory Description            |                  |
| Unit 3 Fuel Oil System |            | Combustion Control Valves           | Packing                               |       | PACKING KIT,FISH<br>RPACKX00012  | In Stock         |
| Unit 3 Fuel Oil System |            | Combustion Control Valves           | Bushing                               |       | BUSHING,FISH<br>1E682814012      | In Stock         |
| Unit 3 Fuel Oil System |            | Combustion Control Valves           | Diaphragm                             |       | DIAPHRAGM,FISH<br>2E669902202    | In Stock         |
| Unit 3 Fuel Oil System |            | Atomizing Steam Valve               | Cage                                  |       | CAGE,FISH<br>2U223733272         | In Stock         |
| Unit 3 Fuel Oil System |            | Atomizing Steam Valve               | Ring                                  |       | RING,FISH<br>1U222646172         | In Stock         |
| Unit 3 Fuel Oil System |            | Atomizing Steam Valve               | Plug/Stem                             |       | PLUG ASSY,FISH<br>1V6575X0052    | In Stock         |
| Unit 3 Fuel Oil System |            | Atomizing Steam Valve               | Packing                               |       | PACKING KIT,FISH<br>RPACKX0002   | In Stock         |
| Unit 3 Fuel Oil System |            | Atomizing Steam Valve               | Gasket                                |       | GASKET SET,FISH<br>RGASKETX182   | In Stock         |
| Unit 3 Fuel Oil System |            | Atomizing Steam Valve               | Diaphragm                             |       | DIAPHRAGM,FISH<br>2E670002202    | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Packing                               |       | PACKING KIT,FISH<br>RPACKX0002   | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Repair Kit                            |       | ACTUATOR KIT,FISH<br>R667X000402 | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Bushing                               |       | BUSHING,FISH<br>1E682814012      | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Retainer                              |       | RETAINER,FISH<br>1V710935072     | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Disc                                  |       | DISC,FISH<br>1V711006242         | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Seat                                  |       | SEAT,FISH<br>1V711135072         | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Diaphragm                             |       | DIAPHRAGM,FISH<br>2E669902202    | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Trip Valves (3)      | Cage                                  |       | CAGE,FISH<br>2U227633272         | In Stock         |
| Unit 3 Fuel Oil System |            | Header Pressure Control Valve       | Repair Kit                            |       | ACTUATOR KIT,FISH<br>R667X000402 | In Stock         |
| Unit 3 Fuel Oil System |            | Header Pressure Control Valve       | Bushing                               |       | BUSHING,FISH<br>1E682814012      | In Stock         |
| Unit 3 Fuel Oil System |            | Header Pressure Control Valve       | Diaphragm                             |       | DIAPHRAGM,FISH<br>2E669902202    | In Stock         |
| Unit 3 Fuel Oil System |            | Fuel Oil Pumps                      | Pump                                  |       | PUMP,MAIN FUEL OIL<br>KRAL       | In Stock         |
| Unit 3 Fuel Oil System |            | Main Fuel Oil Recirculation Valve   | 1" Welded Flange Valve w/<br>Actuator |       | VALVE ASSY,JAMES<br>1052 1"      | In Stock         |
| Unit 3 Fuel Oil System |            | Level Fuel Oil Recirculation Valves | 3/4" Welded Valve w/<br>Actuator      |       | VALVE ASSY,JAMES<br>1052 3/4"    | In Stock         |
| Unit 3 Fuel Oil System | Burners    | Oil Valve                           | 1/2"Ball Valve                        |       | VALVE KIT,JAMES<br>RKB5MT        | In Stock         |

| Asset                        |                          |                               | Critical Spare                       |  |  | Inventory Status |
|------------------------------|--------------------------|-------------------------------|--------------------------------------|--|--|------------------|
| System                       | Sub-System               | Asset                         | Defined Spare                        | Notes                                      | Inventory Description  |                  |
| Unit 3 Fuel Oil System       | Burners                  | Steam Valve                   | Gasket                               |  | GASKET SET,FISH<br>RGASKETX312                                       | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Steam Valve                   | Packing                              |  | PACKING KIT,FISH<br>RPACKX00012                                      | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Steam Valve                   | Plug/Stem                            |  | PLUG/STEM,FISH<br>1U2161X0082  | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Steam Valve                   | Ring                                 |  | RING,FISH<br>1U222546172   | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Steam Valve                   | Cage                                 |  | CAGE,FISH<br>2U215033272   | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Scavenge Valve                | Gasket                               |  | GASKET SET,FISH<br>RGASKETX312                                       | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Scavenge Valve                | Packing                              |  | PACKING KIT,FISH<br>RPACKX00012                                      | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Scavenge Valve                | Plug/Stem                            |  | PLUG/STEM,FISH<br>1U2161X0082  | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Scavenge Valve                | Ring                                 |  | RING,FISH<br>1U222546172   | In Stock         |
| Unit 3 Fuel Oil System       | Burners                  | Scavenge Valve                | Cage                                 |  | CAGE,FISH<br>2U215033272   | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Rotating Assembly                    |  | CASE ASSY,BWL<br>(INNER)   | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Shoe Assembly                        |  | SHOE ASSY,KI-00166-A-<br>3740  | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Throttle bushing  (2 req'd)          |  | BUSHING,BWL<br>3106181   | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Bearing                              |  | BEARING,HIT 9-60-1   | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Bearing                              |  | BEARING,HIT 9-60-2   | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Balance bushing                      |  | BUSHING,BWL<br>3106181   | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Thrust bearing                       |  | BEARING ASSY,THRUST<br>JHJ-5   | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | Gaskets                              |  | GASKET,BWL T-<br>101204JG  | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Boiler Feed Pumps             | 2350HP Motor, 4160Vac                | Motor stored off site via service contract | SCIM, sin#<br>1026842642, frame<br>MGP450D, 2350HP,<br>4160Vac, 60Hz | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve | 6" - EHT valve 1500lb - Welded       |  | DIAPHRAGM,FISH<br>2R6376X00  | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve | 1 - 10A5411X022 - Seal Ring          |  | RING,FISH<br>10A5411X022   | On Order         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve | 1 - 13A5599X052 - O-Ring             |  | O-RING,FISH<br>13A5599X052   | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve | 1 - 26A52990X52 - Seat Ring Retainer |  | RING,FISH<br>26A5299X052   | On Order         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | Main Feed Water Control Valve | 1 - 27A2798X042 - Seat Ring, O-Ring  |  | RING,FISH<br>27A2798X042   | In Stock         |

| Asset                        |   |                               | Critical Spare                     |       |                               | Inventory Status |
|------------------------------|---|-------------------------------|------------------------------------|-------|-------------------------------|------------------|
| System                       | Sub-System  | Asset                         | Defined Spare                      | Notes | Inventory Description         |                  |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - 42B3570X012 - Cage, Eq%        |       | CAGE,FISH<br>42B3570X012      | On Order         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - 36A5366X062 - Plug/Stem Bal    |       | PLUG/STEM,FISH<br>36A5366X062 | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 2 - 26A5314X012 - Gasket           |       | GASKET,FISH<br>26A5314X012    | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - 1J872906332 - Upper Wiper      |       | WIPER,FISH<br>1J872906332     | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - 1J873435072 - Packing Box Ring |       | RING,FISH<br>1J873435072      | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - 1R290601012 - Packing Set      |       | PACKING,FISH<br>1R290601012   | On Order         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - 1H7441X0022 - Bushing Seal     |       | SEAL,FISH<br>1H7441X0022      | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - 2R6376X0082 - Diaphragm        |       | DIAPHRAGM,FISH<br>2R6376X00   | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls                          | Main Feed Water Control Valve | 1 - R667X000802 - Repair Kit       |       | ACTUATOR KIT,FISHER<br>R667   | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) | All HP Heaters                | Conductivity Probe                 |       | PROBE,CONDUCTIVITY            | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) |                               | Aquarian Alarm Module              |       | PROBE,AQUARIAN                | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) |                               | Level Transmitter                  |       | TRANSMITTER, DP 0-120" H2O    | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) |                               | Relay                              |       | RELAY,OMRON<br>MM4XP-DC125    | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heater Controls (Water Induction Protection) |                               | Solenoid                           |       | SOLENOID,ASCO 8300 125 VDC    | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Bushing                            |       | BUSHING,DEW<br>0800109        | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Clip                               |       | CLIP,DEW 0540097              | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Ring                               |       | RING,DEW 0760093              | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Ring                               |       | RING,DEW<br>668215DEW         | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Screw                              |       | SCREW,DEW 0440024             | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Spacer                             |       | SPACER,DEW 0660065            | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Spring                             |       | SPRING,DEW 6580312 (3/SET)    | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Stem                               |       | STEM,DEW 0040851              | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Stud                               |       | STUD,DEW 0282351              | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Stud                               |       | STUD,DEW 0280514              | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Packing                            |       | PACKING,DEW<br>6442946        | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | Motorized Bypass Valves       | Nut                                |       | NUT,DEW P71ER250              | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | NRV Valves - #6 HP Heater     | 6" Dia                             |       | GASKET,COVER HIT              | In Stock         |
| Unit 3 H.P. Feedwater System | H.P. Heaters                                      | NRV Valves - #5 HP Heater     | 8" Dia                             |       | GASKET,COVER HIT              | In Stock         |

| Asset                        |                          |                              | Critical Spare |       |                               | Inventory Status |
|------------------------------|--------------------------|------------------------------|----------------|-------|-------------------------------|------------------|
| System                       | Sub-System               | Asset                        | Defined Spare  | Notes | Inventory Description         |                  |
| Unit 3 H.P. Feedwater System | H.P. Heaters             | NRV Valves - #4 HP Heater    | 10" Dia        |       | GASKET,COVER HIT              | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Stud           |       | STUD,DEW 0280443              | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Stud           |       | STUD,DEW 0280513              | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Disc           |       | DISC,DEW 051095               | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Ring           |       | RING,DEW 0760072              | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Ring           |       | RING,DEW 2004920              | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Stud           |       | STUD,DEW 0440024              | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Nut            |       | NUT,DEW #2003863              | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Nut            |       | NUT,DEW 2000006               | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Motorized Discharge Valves   | Nut            |       | NUT,KEYSTONE 903-735          | In Stock         |
| Unit 3 H.P. Feedwater System | Steam Drum               | Level Control Transmitters   | Transmitter    |       | TRANSMITTER,PRESS 5-800       | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Cage           |       | CAGE ASSY,FISH 22A3525X022    | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Packing        |       | PACKING,FISH 1R290601012      | On Order         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Plug/Stem      |       | PLUG/STEM,FISH 22A3527X052    | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Gasket         |       | GASKET,FISH 10A4155X012       | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Gasket         |       | GASKET,FISH 10A4154X012       | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Ring           |       | RING,FISH 10A4210X012         | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Ring           |       | RING,FISH 12A3529X012         | In Stock         |
| Unit 3 H.P. Feedwater System | Feed Water Flow Controls | LL Control Valve             | Ring           |       | RING,FISH 11A3306X012         | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | Suction Line Safety Valve    | 1/2" Dia       |       | VALVE,RELIEF 1/2" 110# SE     | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Body           |       | BODY,VALVE MASON 37-79264     | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Ring           |       | RING KIT,MASON 01148734399    | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Gasket         |       | GASKET,MASON 356154-152-825   | Order Pending    |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Seal           |       | SEAL,MASON 354810-034-779     | Order Pending    |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Retainer       |       | RETAINER,MASON 358754-000-163 | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Seal           |       | SEAL,MASON 358753-000-210     | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Pin            |       | PIN,MASON 971342-023-250      | Order Pending    |
| Unit 3 H.P. Feedwater System | Boiler Feed              | DA Recirculation Block Valve | Stem           |       | STEM,MASON 358738-113-210     | In Stock         |

| Asset                        |                            |   | Critical Spare                       |   |                               | Inventory Status |
|------------------------------|----------------------------|---|--------------------------------------|---|-------------------------------|------------------|
| System                       | Sub-System                 | Asset   | Defined Spare                        | Notes   | Inventory Description         |                  |
| Unit 3 H.P. Feedwater System | Boiler Feed                | DA Recirculation Block Valve  | Plug                                 |   | PLUG,MASON 011509-398206      | Order Pending    |
| Unit 3 H.P. Feedwater System | Boiler Feed                | DA Recirculation Block Valve  | Seat                                 |   | SEAT,MASON 358748-000-596     | Order Pending    |
| Unit 3 H.P. Feedwater System | Boiler Feed                | DA Recirculation Block Valve  | Liner                                |   | LINER,MASON 359005-000-213    | Order Pending    |
| Unit 3 H.P. Feedwater System | Boiler Feed                | DA Recirculation Block Valve  | Diaphragm                            |   | DIAPHRAGM,MASON 010275-040-77 | In Stock         |
| Unit 3 H.P. Feedwater System | Boiler Feed                | DA Recirculation Block Valve  | Stem                                 |   | STEM,MASON 770354-027-152     | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)   | Feeder to MCC E1 - breaker C4        | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)   | Feeder to MCC C12 - breaker C7       | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | Feeder to Power Centre - breaker C14 | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | Feeder to Power Centre - breaker C15 | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C3                           | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C5                           | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C6                           | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C8                           | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C9                           | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C10                          | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C11                          | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Station Board SB12 (SSB1)    | Aux Transformer ATC - SSB3 | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C12                          | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |

| Asset                     |                                 |   | Critical Spare                                  |   |                            | Inventory Status |
|---------------------------|---------------------------------|---|---|---|----------------------------|------------------|
| System                    | Sub-System                      | Asset   | Defined Spare                                   | Notes   | Inventory Description      |                  |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | breaker C13                                     | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)   | Circuit Breaker to Bus - breaker C16            | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)   | Circuit Breaker to Bus - breaker C17            | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)   | Feeder to MCC - breaker C18                     | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)   | Circuit Breaker to Bus - breaker C19            | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |
| Station Board SB12 (SSB1) |                                 |   | SSB-3 Relay                                     | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | Relays  | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to Transfer Bus C15) | Relays  | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB12 (SSB1) |                                 |   | Feeder to transformer ATC - breaker SSB-3       |   | BREAKER,EATON 4160V 2000A  | In Stock         |
| Station Board SB12 (SSB1) |                                 |   | SSB-4 Relay                                     | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB12 (SSB1) |                                 |   | SSB-4 Relay                                     | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB12 (SSB1) |                                 |   | Feeder to Station Board - breaker SSB-2         |   | BREAKER,EATON 4160V 2000A  | In Stock         |
| Station Board SB12 (SSB1) |                                 |   | Feeder to Station Board - breaker SSB-4         |   | BREAKER,EATON 4160V 2000A  | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34) | Station Aux Board (SAB34)   | Feeder to Boiler Area MCC BAB3 - breaker SDB-34 | Shares spare re-build kit/critical spares kit with other FP breakers.     | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34) | Station Aux Board (SAB34)   | GPB34   | Shares spare re-build kit/critical spares kit with other FP breakers.     | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34) | Station Aux Board (SAB34)   | AC34  | Shares spare re-build kit/critical spares kit with other FP breakers.     | BREAKER,SCHNEIDER 600V     | In Stock         |

| Asset                     |   |                           | Critical Spare                                  |   |                            | Inventory Status |
|---------------------------|---|---------------------------|---|---|----------------------------|------------------|
| System                    | Sub-System  | Asset                     | Defined Spare                                   | Notes   | Inventory Description      |                  |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34)                               | Station Aux Board (SAB34) | CWP34   | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34)                               | Station Aux Board (SAB34) | LDP34   | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34)                               | Station Aux Board (SAB34) | WTP34   | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34)                               | Station Aux Board (SAB34) | Feeder to Diesel Bus DB34 - Breaker DB34        | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34)                               | Station Aux Board (SAB34) | Feeder to Diesel Bus - D2                       | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34)                               | Station Aux Board (SAB34) | Feeder to Diesel Bus - DBT                      | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Station Board SB34 (ST34) |   |                           | breaker ST34 relays                             | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) |   |                           | breaker ST34 relays                             | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) |   |                           | breaker TB12 relays                             | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) |   |                           | breaker TB12 relays                             | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) |   |                           | breaker SAT34 relays                            | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) |   |                           | breaker SAT34 relays                            | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) | TB3 (Tie Breaker Between Station Board SB34 & Unit Board UB3) |                           | TB3 relays                                      | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) | TB3 (Tie Breaker Between Station Board SB34 & Unit Board UB3) |                           | TB3 relays                                      | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Station Board SB34 (ST34) |   |                           | Feeder to Station Board - breaker ST34 & relays |   | BREAKER,EATON 4160V 2000A  | In Stock         |
| Station Board SB34 (ST34) |   |                           | Feeder to Station Board - breaker TB12 & relays |   | BREAKER,EATON 4160V 2000A  | In Stock         |

| Asset  |   |       | Critical Spare         |  |                            | Inventory Status |
|--|---|-------|------------------------|--|----------------------------|------------------|
| System   | Sub-System  | Asset | Defined Spare          | Notes  | Inventory Description      |                  |
| Station Board SB34 (ST34)  | TB3 (Tie Breaker Between Station Board SB34 & Unit Board UB3) |       | Circuit Breaker TB3    |  | BREAKER,EATON 4160V 2000A  | In Stock         |
| Station Board SB34 (ST34)  |   |       | breaker PSM3 & relay   |  | BREAKER,EATON 4160V 1200A  | In Stock         |
| Station Board SB34 (ST34)  |   |       | breaker TB12 relays    |  | SYNCHROACT,SYN52 01        | In Stock         |
| Station Board SB34 (ST34)  |   |       | breaker TB12 relays    | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| Station Board SB34 (ST34)  | TB3 (Tie Breaker Between Station Board SB34 & Unit Board UB3) |       | TB3 relays             | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| Station Board SB34 (ST34)  | TB3 (Tie Breaker Between Station Board SB34 & Unit Board UB3) |       | TB3 relays             | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| UB1-1 (Tie Breaker Between Station Board SB12 & Unit Board UB1)  |   |       | Circuit Breaker UB1-1  | Shares spare with Feeder to Station Board - breaker SSB-1.             | BREAKER,EATON 4160V 2000A  | In Stock         |
| UB1-1 (Tie Breaker Between Station Board SB12 & Unit Board UB1)  |   |       | UB1-1 Relay            |  | SYNCHROACT,SYN52 01        | In Stock         |
| UB1-1 (Tie Breaker Between Station Board SB12 & Unit Board UB1)  |   |       | UB1-1 Relay            | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| UB1-1 (Tie Breaker Between Station Board SB12 & Unit Board UB1)  |   |       | UB1-1 Relay            | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| UB2-12 (Tie Breaker Between Unit Board UB2 & Station Board SB12) |   |       | Circuit Breaker UB2-12 | Shares spare with Feeder to Station Board - breaker SSB-1.             | BREAKER,EATON 4160V 2000A  | In Stock         |
| UB2-12 (Tie Breaker Between Unit Board UB2 & Station Board SB12) |   |       | UB2-12 Relay           |  | SYNCHROACT,SYN52 01        | In Stock         |
| UB2-12 (Tie Breaker Between Unit Board UB2 & Station Board SB12) |   |       | UB2-12 Relay           | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| UB2-12 (Tie Breaker Between Unit Board UB2 & Station Board SB12) |   |       | UB2-12 Relay           | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| UB2-12 (Tie Breaker Between Unit Board UB2 & Station Board SB12) |   |       | UB2-12 Relay           | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C | In Stock         |

| Asset                  |                            |  | Critical Spare                           |   |                               | Inventory Status |
|------------------------|----------------------------|--|--|---|-------------------------------|------------------|
| System                 | Sub-System                 | Asset  | Defined Spare                            | Notes   | Inventory Description         |                  |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)<br>(Alternate Feed Transfer Bus A9) | Feeder to Power Centre A - A1            | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)<br>(Alternate Feed Transfer Bus A9) | Feeder to Power Centre A - A9            | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)                                     | Feeder to transformer LT-A - breaker A3  | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)                                     | Feeder to MCC A1 - breaker A4            | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)                                     | A5                                       | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)                                     | A6                                       | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)                                     | A7                                       | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-4 relay                              | Shares spare with all other P&B Golds devices.                            | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-9 relay                              | Shares spare with all other P&B Golds devices.                            | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-11 relay                             | Shares spare with all other P&B Golds devices.                            | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-2 relays                             | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMA-2     | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-2 relays                             | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMA-1     | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-2 relays                             | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMS-1     | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-2 relays                             | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMH-2     | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-3 relays                             | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT<br>SEL 551C | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | UB1-3 relays                             | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT<br>SEL 551C | In Stock         |
| Unit Board UB1 (UB1-2) | UB13 (Aux Transformer ATA) | Power Center A UAB1 (A1)<br>(Alternate Feed Transfer Bus A9) | Relays                                   | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT<br>SEL 551C | In Stock         |
| Unit Board UB1 (UB1-2) |                            |  | Feeder to Unit Board UB1 - breaker UB1-2 |   | BREAKER,EATON<br>4160V 2000A  | In Stock         |

| Asset                  |                            |                          | Critical Spare                            |   |                            | Inventory Status |
|------------------------|----------------------------|--------------------------|---|---|----------------------------|------------------|
| System                 | Sub-System                 | Asset                    | Defined Spare                             | Notes   | Inventory Description      |                  |
| Unit Board UB1 (UB1-2) |                            |                          | Feeder to transformer ATA - breaker UB1-3 |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-4                             |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-5                             |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-6                             |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-7                             |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-8                             |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-9                             |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-10                            |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | breaker UB1-11                            |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB1 (UB1-2) |                            |                          | UB1-2 relays                              | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C    | RELAY,VOLTAGE ABB SPAU121C | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22) | Power Center B UAB2 (B1) | Feeder to Power Centre B - breaker B1     | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22) | Power Center B UAB2 (B1) | Feeder to transformer LT-B - breaker B4   | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22) | Power Center B UAB2 (B1) | Feeder to MCC B1 - breaker B5             | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V         | In Stock         |

| Asset                  |                            |                          | Critical Spare                                |   |                               | Inventory Status |
|------------------------|----------------------------|--------------------------|---|---|-------------------------------|------------------|
| System                 | Sub-System                 | Asset                    | Defined Spare                                 | Notes   | Inventory Description         |                  |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22) | Power Center B UAB2 (B1) | B2  | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22) | Power Center B UAB2 (B1) | B6  | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22) | Power Center B UAB2 (B1) | B7  | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22) | Power Center B UAB2 (B1) | B8  | Shares spare re-build kit/critical spares kit with other CGE AK breakers. | BREAKER,EATON 600V            | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-3 relay                                   | Shares spare with all other P&B Golds devices.                            | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-4 relay                                   | Shares spare with all other P&B Golds devices.                            | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-9 relay                                   | Shares spare with all other P&B Golds devices.                            | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-10 relay                                  | Shares spare with all other P&B Golds devices.                            | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-1 relays                                  | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMA-2     | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-1 relays                                  | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMA-1     | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-1 relays                                  | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMS-1     | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-1 relays                                  | Shares spare with CGE HFA devices   | RELAY,AUXILIARY<br>RXMH-2     | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-2 relays                                  | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT<br>SEL 551C | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-2 relays                                  | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C      | RELAY,OVERCURRENT<br>SEL 551C | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | Feeder to Unit Board - breaker UB2-1 & relays | Shares spare with Feeder to Station Board - breaker SSB-1.                | BREAKER,EATON<br>4160V 2000A  | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | Feeder to Transformer ATB, breaker UB2-2      |   | BREAKER,EATON<br>4160V 1200A  | In Stock         |
| Unit Board UB2 (UB2-1) |                            |                          | UB2-3   |   | BREAKER,EATON<br>4160V 1200A  | In Stock         |

| Asset                  |                             |                          | Critical Spare                              |  |                              | Inventory Status |
|------------------------|-----------------------------|--------------------------|---|--|------------------------------|------------------|
| System                 | Sub-System                  | Asset                    | Defined Spare                               | Notes  | Inventory Description        |                  |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-4                                       |  | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-5                                       |  | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-6                                       |  | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-7                                       |  | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-8                                       |  | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-9                                       |  | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-10                                      |  | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Unit Board UB2 (UB2-1) |                             |                          | UB2-1 relays                                | Shares spare with other Westinghouse relays - replaced by ABB SPAU121C | RELAY,VOLTAGE ABB SPAU121C   | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22)  | Power Center B UAB2 (B1) | Relays                                      | Spares spare with CGE IAC51 and ICA53 devices                          | RELAY,OVERCURRENT SEL 551C   | In Stock         |
| Unit Board UB2 (UB2-1) | Aux Transformer ATB (UB22)  | Power Center B UAB2 (B1) | Relays                                      | Spares spare with CGE IAC51 and ICA53 devices                          | RELAY,OVERCURRENT SEL 551C   | In Stock         |
| Unit Board UB3 (UT3)   | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3)    | Feeder to Aux Board - breaker UAB-3         | Shares spare re-build kit/critical spares kit with other FP breakers.  | BREAKER,SCHNEIDER 600V       | In Stock         |
| Unit Board UB3 (UT3)   | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3)    | Feeder to transformer LDP-3 - breaker LDP-3 | Shares spare re-build kit/critical spares kit with other FP breakers.  | BREAKER,SCHNEIDER 600V       | In Stock         |
| Unit Board UB3 (UT3)   | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3)    | Feeder to MCC BAB3 - breaker BAB-3          | Shares spare re-build kit/critical spares kit with other FP breakers.  | BREAKER,SCHNEIDER 600V       | In Stock         |
| Unit Board UB3 (UT3)   | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3)    | AOP3  | Shares spare re-build kit/critical spares kit with other FP breakers.  | BREAKER,SCHNEIDER 600V       | In Stock         |

| Asset                |                             |                       | Critical Spare                              |   |                            | Inventory Status |
|----------------------|-----------------------------|-----------------------|---|---|----------------------------|------------------|
| System               | Sub-System                  | Asset                 | Defined Spare                               | Notes   | Inventory Description      |                  |
| Unit Board UB3 (UT3) | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3) | TAB3  | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Unit Board UB3 (UT3) | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3) | AC12  | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Unit Board UB3 (UT3) | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3) | Tie Breaker to Station Board - breaker ATB3 | Shares spare re-build kit/critical spares kit with other FP breakers. | BREAKER,SCHNEIDER 600V     | In Stock         |
| Unit Board UB3 (UT3) | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3) | Relays                                      | Shares spare with all other P&B Golds devices.                        | RELAY,RETRO. PBSJ3E5N11    | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | UT3 relays                                  | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | UT3 relays                                  | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | UAT3 Relays                                 | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | UAT3 Relays                                 | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Unit Board UB3 (UT3) | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3) | Relays                                      | Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C  | RELAY,OVERCURRENT SEL 551C | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | Feeder to Unit Board - breaker UT3          | Shares spare with Feeder to Station Board - breaker SSB-1.            | BREAKER,EATON 4160V 2000A  | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | Feeder to transformer UAT3 - breaker UAT3   |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | BFE3  |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | BFW3  |   | BREAKER,EATON 4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3) |                             |                       | FDE3  |   | BREAKER,EATON 4160V 1200A  | In Stock         |

| Asset                     |                             |  | Critical Spare                                      |  |                               | Inventory Status |
|---------------------------|-----------------------------|--|---|--|-------------------------------|------------------|
| System                    | Sub-System                  | Asset  | Defined Spare                                       | Notes  | Inventory Description         |                  |
| Unit Board UB3 (UT3)      |                             |  | FDW3  |  | BREAKER,EATON<br>4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3)      |                             |  | CEN3  |  | BREAKER,EATON<br>4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3)      |                             |  | CES3  |  | BREAKER,EATON<br>4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3)      |                             |  | CWE3  |  | BREAKER,EATON<br>4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3)      |                             |  | CWW3  |  | BREAKER,EATON<br>4160V 1200A  | In Stock         |
| Unit Board UB3 (UT3)      |                             |  | UT3 relays  | Shares spare with other<br>Westinghouse relays - replaced<br>by ABB SPAU121C | RELAY,VOLTAGE ABB<br>SPAU121C | In Stock         |
| Unit Board UB3 (UT3)      | Unit Aux Transformer (UAT3) | Aux Board UAB3 (UAB3)  | Relays  | Shares spare with other<br>Westinghouse relays - replaced<br>by ABB SPAU121C | RELAY,VOLTAGE ABB<br>SPAU121C | In Stock         |
| Station Board SB12 (SSB1) |                             |  | SSB-3 Relay   | Replaced by SEL-551C   | RELAY,OVERCURRENT<br>SEL 551C | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3  | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to<br>Transfer Bus C15) | Relays  |  | RELAY,PROTECTION<br>SEL701    | In Stock         |
| Station Board SB12 (SSB1) |                             |  | Feeder to Station Board -<br>breaker SSB-1 & Relays |  | BREAKER,EATON<br>4160V 2000A  | In Stock         |
| Station Board SB12 (SSB1) |                             |  | SSB-1 Relay   |  | SYNCHROTRACT,SYN52<br>01      | In Stock         |
| Station Board SB12 (SSB1) |                             |  | SSB-1 Relay   | Replaced by ABB SPAU121C   | RELAY,VOLTAGE ABB<br>SPAU121C | In Stock         |
| Station Board SB12 (SSB1) |                             |  | SSB-1 Relay   | Replaced by ABB RXMA/RXMH  | RELAY,AUXILIARY<br>RXMA-2     | In Stock         |
| Station Board SB12 (SSB1) |                             |  | SSB-1 Relay   | Replaced by ABB RXMA/RXMH  | RELAY,AUXILIARY<br>RXMA-1     | In Stock         |
| Station Board SB12 (SSB1) |                             |  | SSB-1 Relay   | Replaced by ABB RXMA/RXMH  | RELAY,AUXILIARY<br>RXMS-1     | In Stock         |
| Station Board SB12 (SSB1) |                             |  | SSB-1 Relay   | Replaced by ABB RXMA/RXMH  | RELAY,AUXILIARY<br>RXMH-2     | In Stock         |
| Station Board SB34 (ST34) |                             |  | breaker PSM3 relay                                  | n/a  | RELAY,PROTECTION<br>SEL701    | In Stock         |

| Asset                     |                                 |  | Critical Spare   |   |                              | Inventory Status |
|---------------------------|---------------------------------|--|--|---|------------------------------|------------------|
| System                    | Sub-System                      | Asset  | Defined Spare  | Notes   | Inventory Description        |                  |
| Unit Board UB1 (UB1-2)    |                                 |  | UB1-5 relay  | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB1 (UB1-2)    |                                 |  | UB1-6 relay  | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB1 (UB1-2)    |                                 |  | UB1-7 relay  | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB1 (UB1-2)    |                                 |  | UB1-8 relay  | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB1 (UB1-2)    |                                 |  | UB1-10 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB2 (UB2-1)    |                                 |  | UB2-5 relay  |   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB2 (UB2-1)    |                                 |  | UB2-6 relay  | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB2 (UB2-1)    |                                 |  | UB2-7 relay  | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB2 (UB2-1)    |                                 |  | UB2-8 relay  |   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | BFE3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | BFW3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | FDE3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | FDW3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | CEN3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | CES3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | CWE3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      |                                 |  | CWW3 relay   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Unit Board UB3 (UT3)      | Unit Aux Transformer (UAT3)     | Aux Board UAB3 (UAB3)  | Relays   | n/a   | RELAY,PROTECTION<br>SEL701   | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)<br>(Alternate Feed Tie Breaker to<br>Transfer Bus C15) | Feeder to Power Centre -<br>breaker C1                     |   | BREAKER,EATON 600V           | In Stock         |
| Station Board SB12 (SSB1) | Aux Transformer ATC - SSB3      | Power Center C SAB12 (C1)  | Feeder to MCC C1 - breaker<br>C2                           | Purchasing re-build kit/critical<br>spares kit for AK-2-25 frame<br>breaker | BREAKER,EATON 600V           | In Stock         |
| Station Board SB34 (ST34) |                                 |  | Feeder to transformer<br>SAT34 - breaker SAT34 &<br>relays |   | BREAKER,EATON<br>4160V 1200A | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34) | Station Aux Board (SAB34)  | Feeder to Station Board -<br>breaker SAB34                 | Purchasing re-build kit/critical<br>spares kit for 65H frame<br>breaker     | BREAKER,SCHNEIDER<br>600V    | In Stock         |

| Asset                     |                                 |  | Critical Spare                             |  |                               | Inventory Status |
|---------------------------|---------------------------------|--|--|--|-------------------------------|------------------|
| System                    | Sub-System                      | Asset  | Defined Spare                              | Notes  | Inventory Description         |                  |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34) | Station Aux Board (SAB34)                                    | Feeder to Station Board -<br>breaker ATB12 |  | BREAKER,SCHNEIDER<br>600V     | In Stock         |
| Station Board SB34 (ST34) | Station Aux Transformer (SAT34) | Station Aux Board (SAB34)                                    | WAM34                                      |  | BREAKER,SCHNEIDER<br>600V     | In Stock         |
| Unit Board UB1 (UB1-2)    | UB13 (Aux Transformer ATA)      | Power Center A UAB1 (A1)<br>(Alternate Feed Transfer Bus A9) | Relays                                     | Shares spare with all other P&B<br>Golds devices.                          | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |
| Unit Board UB1 (UB1-2)    | UB13 (Aux Transformer ATA)      | Power Center A UAB1 (A1)<br>(Alternate Feed Transfer Bus A9) | Relays                                     | Shares spare with CGE IAC51<br>and ICA53 devices - replaced by<br>SEL-551C | RELAY,OVERCURRENT<br>SEL 551C | In Stock         |
| Unit Board UB2 (UB2-1)    | Aux Transformer ATB (UB22)      | Power Center B UAB2 (B1)                                     | Relays                                     | Shares spare with all other P&B<br>Golds devices.                          | RELAY,RETRO.<br>PBSJ3E5N11    | In Stock         |

## **Appendix F**

Critical Spares Status Listing – Combustion Turbines



| Part No. | Description                    | Recommended Component  | Stock Status | Quantity on Hand | Risk Score | Lead Time | Expected Delivery | Comments |
|----------|--------------------------------|--|--------------|------------------|------------|-----------|-------------------|----------|
| 60101152 | ACTUATOR,PNEUMATIC             | DOUBLE ACTING PNEUMATIC ACTUATOR, KEYSTONE MORIN, TYCO-MRP 004   | In Stock     | 1                |            |           | N/A               |          |
| 58400786 | AFTER-FILTER,AIR DRYER         | AIR DRYER AFTER FILTER, PN 25-178-50C, PARKER FILTER CARTRIDGE # 10C10-050   | In Stock     | 4                |            |           | N/A               |          |
| 54900162 | ANALYZER,DEW POINT             | INST AIR DEW POINT ANALYZER, MICHELL INSTRUMENTS:EA-XP-TX-EX1-C1-D1-E2-F1-G1-H1  | In Stock     | 1                |            |           | N/A               |          |
| 22900028 | BELT,POLYBAND                  | BELT, 1320-BLT-B-EHX07-1250 3R 5VX1250, POLYBAND DODGE OR EQUAL  | In Stock     | 6                |            |           | N/A               |          |
| 42100313 | BELT,V                         | INGERSOLL RAND 95100178  | In Stock     | 6                |            |           | N/A               |          |
| 58000077 | BELT,1320-BLT-S-EHX19-90       | BELT, ECODYNE:1320-BLT-S-EHX19-90  | In Stock     | 6                |            |           | N/A               |          |
| 65000436 | BRUSH,CARBON MOTOR             | 1 SET = 2 PIECES, ABB: GPFX052143P0098   | In Stock     | 1                |            |           | N/A               |          |
| 60101092 | CABLE,SOLAR,IGNITER            | CENTAUR:919340C2   | In Stock     | 1                |            |           | N/A               |          |
| 58400799 | CARTRIDGE,DESICCANT            | PNEUMATIC PRODUCTS:3153517   | In Stock     | 1                |            |           | N/A               |          |
| 54900175 | COIL,MAGNETIC SPEED PICK-UP    | TORQUE CONVERTER MAGNETIC SPEED PICK-UP COIL, KOENIG:9501W14   | In Stock     | 1                |            |           | N/A               |          |
| 54900174 | COIL,OVERSPEED TRIP            | ELECTRONIC OVERSPEED TRIP, 9501W38   | In Stock     | 1                |            |           | N/A               |          |
| 70000484 | CONTACTOR,50A 120VAC           | 42CF35AF   | In Stock     | 2                |            |           | N/A               |          |
| 60101075 | CONTROLLER,LIMIT (0-2502-F)    | LIMIT CONTROLLER (0-2502-F), SA100LKA3-MN-4*NN-D1/Y  | In Stock     | 1                |            |           | N/A               |          |
| 60101074 | CONTROLLER,STEP LIFO           | 8 STAGES, SCL4000-8  | In Stock     | 1                |            |           | N/A               |          |
| 60101076 | CONTROLLER,STEP LIFO (4 STAGE) | STEP CONTROLLER LIFO (4 STAGES), SCL4000-4   | In Stock     | 1                |            |           | N/A               |          |
| 25900063 | COUPLING,FISHER                | COUPLING, FISHER:17A8307X012   | In Stock     | 1                |            |           | N/A               |          |
| 58101229 | COUPLING,PUMP-MOTOR            | COUPLING, REXNORD-OMEGA: REX ELASTOMER-ES-4(STANDARD ORANGE),PUMP-MOTOR  | In Stock     | 1                |            |           | N/A               |          |
| 58101230 | COUPLING,PUMP-MOTOR            | COUPLING, REXNORD-OMEGA: ELASTOMER-ES-5 (STANDARD ORANGE) PUMP-MOTOR   | In Stock     | 1                |            |           | N/A               |          |
| 58101224 | COUPLING,PUMP/MOTOR            | JOHN CRANE:AD45-3578-1270, 1-1/2" - 2-3/8", ROUGH BORE   | In Stock     | 1                |            |           | N/A               |          |
| 65900004 | COUPLING,PUMP/MOTOR            | SIZE 1040T20, FLEXIBLE GRID TYPE, VERTICAL ORIENTATION, MANUFACTURER:FALK  | In Stock     | 1                |            |           | N/A               |          |
| 68601093 | CUT-OUT,AUTO                   | AUTO CUT-OUT, CHROMOLOX:168-053169-1 05  | In Stock     | 3                |            |           | N/A               |          |
| 92000260 | DESICCANT,4-8 GRADE D          | INGERSOLL RAND 50F BAG   | In Stock     | 2                |            |           | N/A               |          |
| 98200197 | DETECTOR,SMOKE                 | SMOKEDETECTOR, NOTIFIER:FSI-851  | In Stock     | 2                |            |           | N/A               |          |
| 98200194 | DETECTOR,THERMAL               | ELECTRICAL PACKAGE THERMAL DETECTOR, KIDDE-FENWAL:27121-160  | In Stock     | 2                |            |           | N/A               |          |
| 98200195 | DETECTOR,THERMAL               | TURBINE EXHAUST TUNNEL - THERMAL DETECTOR, KIDDE-FENWAL:12-H27121-020-08   | In Stock     | 2                |            |           | N/A               |          |
| 98200196 | DETECTOR,THERMAL               | MECHANICAL PACKAGE THERMAL DETECTOR, KIDDE-FENWAL:27121-225  | In Stock     | 1                |            |           | N/A               |          |
| 98200200 | DETECTOR,THERMAL               | TURBINE ENCLOSURE THERMAL DETECTOR, KIDDE-FENWAL:27121-325   | In Stock     | 4                |            |           | N/A               |          |
| 61100469 | DIVIDER,FLOW                   | FLOW DIVIDER, JAHNS HYDRAULIK:MT0-2-5-G  | In Stock     | 1                |            |           | N/A               |          |
| 60101077 | DRYER,INSTRUMENT AIR           | INSTRUMENT AIR DRYER DIFFERENTIAL PRESSURE, DIFFERENTIAL PRESSURE TRANSMITTER, ROSEMOUNT:3051S2C03A2E11A1A1L1L2L4M5Q4  | In Stock     | 1                |            |           | N/A               |          |
| 58400788 | ELEMENT,POST FILTER            | POST FILTER ELEMENT 105 SCFM, INGERSOLL RAND 85565661  | In Stock     | 6                |            |           | N/A               |          |
| 58400766 | ELEMENT,PRE-FILTER             | PRE-FILTER ELEMENT 105 SCFM, INGERSOLL RAND 85565679   | In Stock     | 6                |            |           | N/A               |          |
| 58400762 | ELEMENT,0180MA0003BN           | ELEMENT 0180MA0003BN (3µm), P/N 2059438, SPIN ON ELEMENT, MANUFACTURER:HYDAC   | In Stock     | 1                |            |           | N/A               |          |
| 56500206 | FILL KIT,SF6                   | ABB BREAKER SF6 FILL KIT, (HECS 80S), S/N 1HC211015861   | In Stock     | 1                |            |           | N/A               |          |
| 58400772 | FILTER KIT,FUEL                | LOW PRESSURE FUEL FILTER REPLACEMENT KIT, CENTAUR:912555C3   | In Stock     | 1                |            |           | N/A               |          |
| 58400764 | FILTER,AIR (ELEMENT)           | INGERSOLL RAND 32012957  | In Stock     | 20               |            |           | N/A               |          |
| 58400802 | FILTER,AIR 4P0710S             | AIR FILTER, CAT: 4P0710  | In Stock     | 2                |            |           | N/A               |          |
| 58400797 | FILTER,FLOW CONTROL            | FILTER AUTOMATIC FLOW CONTROL, 4"FNPT, MODEL:ST-400-25, 240GPM, PENTAIR:LWT 3949   | In Stock     | 1                |            |           | N/A               |          |
| 58400798 | FILTER,FLOW CONTROL            | FILTER AUTOMATIC BACKWASH FLOW CONTROL, 4" FNPT, MODEL:ST-400-25, 245GPM, MODULAR PIPING SUPPLY INC: LWT5430   | In Stock     | 1                |            |           | N/A               |          |
| 58400780 | FILTER,FUEL BOOST KIT          | LOW PRESSURE, 912343C1   | In Stock     | 1                |            |           | N/A               |          |
| 58400504 | FILTER,FUEL CAT 1R0749         | FOR USE ON STAGE I AND II, EMERGENCY DIESEL MANUAL PRIMING PUMPS, CATERPILLAR #1R-0749   | In Stock     | 10               |            |           | N/A               |          |
| 58400782 | FILTER,IGV ACTUATOR            | MOOG:864567-1V   | In Stock     | 6                |            |           | N/A               |          |
| 58400791 | FILTER,LUBE OIL                | LUBE OIL FILTER, CLARKE RELIANCE:A2200A4, NFS:2200A4   | In Stock     | 20               |            |           | N/A               |          |
| 58400801 | FILTER,OIL 275-2604            | OIL FILTER, CAT:275-2604   | In Stock     | 6                |            |           | N/A               |          |
| 58400787 | FILTER,PRESSURE                | PALL: ELEMENT HC9600FCP4H  | In Stock     | 4                |            |           | N/A               |          |
| 58400783 | FILTER,TMP-95 FINAL            | PNEUMAFIL:S5253881, V-CELL STMPM16 STATIC BARRIER FILTER, 24"x24"x12", INJECTION MOLDED PLASTIC FRAME, 100% SYNTHETIC MEDIA, NEOPRENE SPONGE RUBBER GASKET - DOWN STEAM SIDE | In Stock     | 55               |            |           | N/A               |          |
| 58400069 | FILTER,WATER                   | CLARK RELIANCE 2500PW  | In Stock     | 24               |            |           | N/A               |          |
| 58400778 | FILTER,961131C1 FUEL           | CENTAUR:912555C1 (ELEMENT & GASKET KIT)  | In Stock     | 6                |            |           | N/A               |          |
| 54900194 | FLOAT,SURESITE                 | FLOAT, SURESITE:88111  | In Stock     | 1                |            |           | N/A               |          |
| 61100434 | FLOWMETER,MAGNETIC             | RAW WATER FLOW MAGNETIC FLOWMETER, ROSEMOUNT:8705TSA060C1W0N0G1  | In Stock     | 1                |            |           | N/A               |          |
| 70000486 | FUSE,AC 25A                    | ATQR25   | In Stock     | 4                |            |           | N/A               |          |
| 70000370 | FUSE,AGC 1A 250V               | AGC 1  | In Stock     | 10               |            |           | N/A               |          |
| 70000373 | FUSE,AGC 3A 250V               |  | In Stock     | 10               |            |           | N/A               |          |
| 70000485 | FUSE,PANEL HEATER 4.5A         | PANEL HEATER FUSE 4.5A, ATQR4.5  | In Stock     | 3                |            |           | N/A               |          |
| 70000481 | FUSE,POWER CLASS J 45A         | A4J45  | In Stock     | 10               |            |           | N/A               |          |
| 70000482 | FUSE,PRIMARY 20A               | ATQR20   | In Stock     | 4                |            |           | N/A               |          |
| 70000483 | FUSE,SECONDARY 8A              | ATQR8  | In Stock     | 4                |            |           | N/A               |          |
| 70000490 | FUSE,1.0A                      | BUSSMAN:LP-CC-1  | In Stock     | 10               |            |           | N/A               |          |
| 70000507 | FUSE,1.25A GMC-1.25A           | FUSE 1.25 AMP, GMC-1.25-A, BUSSMANN:LWT9119  | In Stock     | 10               |            |           | N/A               |          |
| 70000488 | FUSE,15.0A                     | BUSSMAN:LP-CC-15.0   | In Stock     | 10               |            |           | N/A               |          |
| 70000491 | FUSE,2.0A 300 VDC              | BUSSMAN:LP-CC-2  | In Stock     | 10               |            |           | N/A               |          |
| 70000500 | FUSE,2AMP                      | FUSE 2 AMP, GMC-2-A, BUSSMAN:GMC-2-A   | In Stock     | 10               |            |           | N/A               |          |
| 70000492 | FUSE,3.0A                      | BUSSMAN:LP-CC-3.0  | In Stock     | 20               |            |           | N/A               |          |
| 70000501 | FUSE,3AMP GMC-R                | FUSE 3AMP, BUSSMAN:GMC-3-R   | In Stock     | 10               |            |           | N/A               |          |
| 70000489 | FUSE,5.0A                      | BUSSMAN:LP-CC-5.0  | In Stock     | 20               |            |           | N/A               |          |
| 70000506 | FUSE,6A GMC-6A                 | 6AMP, GMC-6A, BUSSMANN:LWT7345   | In Stock     | 10               |            |           | N/A               |          |
| 56200364 | GASKET,FILTER HOUSING          | GASKET,CLARK RELIANCE:A1013745S, NFS# 1011745S   | In Stock     | 6                |            |           | N/A               |          |
| 60101083 | GAUGE,PRESSURE                 | FUEL UNLOADING PUMPS OUTLET PRESURE/GAUGE PRESSURE TRANSMITTER, ROSEMOUNT:3051S2TG3A2E11A1AB4K6M5Q4  | In Stock     | 1                |            |           | N/A               |          |
| 61100426 | GAUGE,PRESSURE                 | ATOMIZING AIR HEADER PRESSURE GAUGE, PRESSURE TRANSMITTER, ROSEMOUNT:3051S2TG3A2A11A1AM5Q4   | In Stock     | 1                |            |           | N/A               |          |
| 61100436 | GAUGE,PRESSURE                 | RAW WATER PUMP 1 & 2, DISCHARGE GAUGE, PRESSURE TRANSMITTER, ROSEMOUNT: 3051S2TG2A2A11A1AB4M5Q4  | In Stock     | 1                |            |           | N/A               |          |
| 39000223 | HEATER,400W PANEL              | PANEL HEATER 120V 60HZ 400W, PH40011   | In Stock     | 1                |            |           | N/A               |          |
| 37900016 | IGNITER,SPARK PLUG             | SOLAR SPARK PLUG IGNITER, CENTAUR:903316C1   | In Stock     | 2                |            |           | N/A               |          |
| 61100427 | INDICATOR,BLUE MOISTURE        | BLUE MOISTURE INDICATOR, INGERSOLL RAND 705001-SP  | In Stock     | 1                |            |           | N/A               |          |
| 60101138 | INDICATOR,LEVEL                | HYD FLUID RESERVOIR LEVEL INDICATOR, REXROTH:CS3615-244910   | In Stock     | 1                |            |           | N/A               |          |
| 61100432 | INDICATOR,DISCHG PRESS         | HYDRAULIC FLUID PUMP #1 - DISCHARGE PRESSURE INDICATOR, REXROTH-2-1/2/1500PUA31-10A-4 JIC  | In Stock     | 1                |            |           | N/A               |          |
| 61100452 | INDICATOR,PRESSURE             | INTAKE AIR STATIC FINAL-FILTER - DIFFERENTIAL PRESSURE INDICATOR, DWYER INSTRUMENTS:4006   | In Stock     | 1                |            |           | N/A               |          |
| 61100453 | INDICATOR,PRESSURE             | INTAKE AIR STATIC PRE-FILTER - DIFFERENTIAL PRESSURE INDICATOR, DWYER INSTRUMENTS:4002   | In Stock     | 1                |            |           | N/A               |          |
| 60101155 | INPUT CARD,PLC                 | ANALOG INPUT CARD FOR PLC, VARIOUS SKIDS, AUTOMATION DIRECT-FO-04AS1   | In Stock     | 1                |            |           | N/A               |          |
| 58400792 | KIT,SOFT PARTS                 | SOFT PARTS KIT, CLARKE RELIANCE:A10400107, NFS:10400107  | In Stock     | 1                |            |           | N/A               |          |

|          |                                |  |          |     |  |     |
|----------|--------------------------------|--|----------|-----|--|-----|
| 60101085 | LEVEL SWITCH, DAY TANK         | FUEL OIL TANK HIGH LEVEL SWITCH, ULTRASONIC GAP LEVEL SWITCH, MAGNETROL:961-2DA0-030 C/W 9A1-A43A-018                                | In Stock | 1   |  | N/A |
| 60101088 | LEVEL TRANSMITTER, LEVEL       | FUEL OIL DAY TANK LEVEL RADAR LEVEL TRANSMITTER, ROSEMOUNT:5402AH1E64PNACAM1C1   | In Stock | 1   |  | N/A |
| 61100423 | MANIFOLD, PRESSURE TRANSMITTER | ROSEMOUNT 0305RC22B11  | In Stock | 1   |  | N/A |
| 74600106 | MODULE, ABSOLUTE SHAFT         | SHAFT ABSOLUTE I/O MODULE WITH - EXTERNAL TERMINATIONS, BENTLY NEVADA:138700-01  | In Stock | 1   |  | N/A |
| 74600111 | MODULE, DISCRETE I/O           | DISCRETE I/O MODULE WITH - EXTERNAL TERMINATIONS, BENTLY NEVADA:133434-01  | In Stock | 1   |  | N/A |
| 74600105 | MODULE, I/O                    | I/O MODULE WITH INTERNAL BARRIERS - (INTERNAL TERMINATIONS) (4 X VELOMITER), BENTLY NEVADA:135489-03                                 | In Stock | 1   |  | N/A |
| 74600108 | MODULE, I/O                    | I/O MODULE WITH INTERNAL BARRIERS - (INTERNAL TERMINATIONS), (2 X PROX/ACCEL + 2 X VELOMITER), BENTLY NEVADA:135489-02               | In Stock | 1   |  | N/A |
| 60101173 | MODULE, POWER SWITCH           | LEVEL SWITCH MODULES, SURESITE: 87480  | In Stock | 1   |  | N/A |
| 74600104 | MODULE, PROX/SEISMIC           | PROX/SEISMIC I/O MODULE WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:128240-01  | In Stock | 1   |  | N/A |
| 74600107 | MODULE, PROX/SEISMIC           | PROX/SEISMIC I/O MODULE WITH INTERNAL TERMINATIONS, BENTLY NEVADA:128229-01  | In Stock | 1   |  | N/A |
| 74600110 | MODULE, PROX/SEISMIC           | 3500/42M PROXIMATOR/SEISMIC MONITOR, BENTLY NEVADA:140734-02   | In Stock | 1   |  | N/A |
| 74600101 | MODULE, PROX/VELOM I/O         | PROX/VELOM I/O MODULE WITH INTERNAL TERMINATIONS, BENTLY NEVADA:140471-01  | In Stock | 1   |  | N/A |
| 74600102 | MODULE, PROX/VELOM I/O         | PROX/VELOM I/O MODULE WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:140482-01  | In Stock | 1   |  | N/A |
| 74600103 | MODULE, SHAFT ABSOLUTE         | SHAFT ABSOLUTE I/O MODULE WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:138708-01  | In Stock | 1   |  | N/A |
| 74600112 | MODULE, SIGNAL OUTPUT          | 3500 BUFFERED SIGNAL OUTPUT MODULE, BENTLY NEVADA:147364-01  | In Stock | 1   |  | N/A |
| 74600100 | MODULE, TMR I/O                | PROX/SEISMIC TMR I/O WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:126632-01   | In Stock | 1   |  | N/A |
| 74600115 | MODULE, 3500/50                | 3500/50 MODULE, BENTLY NEVADA:133388-02  | In Stock | 1   |  | N/A |
| 65000442 | MOTOR, BALDOR                  | BALDOR:VEM3770T NEMA   | In Stock | 1   |  | N/A |
| 65000439 | MOTOR, 10 HP DC TURNING GEAR   | KOENIG: DG6711A  | In Stock | 1   |  | N/A |
| 56400183 | O-RING, FISHER                 | O-RING, FISHER:T1205106562   | In Stock | 1   |  | N/A |
| 88600152 | OIL, COMPRESSOR                | ALL SEASON SELECT OIL, INGERSOLL RAND 38436721   | In Stock | 2   |  | N/A |
| 89200233 | OIL, LUBE                      | TURBOFLOXL32, MANUFACTURER: PETRO CANADA   | In Stock | 2   |  | N/A |
| 60101094 | PICKUP, MAGNETIC               | CENTAUR:P/N 190430-1   | In Stock | 1   |  | N/A |
| 74600097 | PILOT LIGHT ASSEMBLY AMBER     | PILOT LIGHT ASSEMBLY AMBER 120VAC, A13200-05   | In Stock | 6   |  | N/A |
| 58400785 | PRE-FILTER, PARKER AIR DRYER   | PARKER AIR DRYER PRE-FILTER, PARKER FILTER CARTRIDGE# 6C10-050   | In Stock | 8   |  | N/A |
| 58400784 | PRE-FILTER, Z-100              | PNEUMAFIL:SS2709C1, PRE-FILTER PANEL, 24"X24"X4" (FT2) SYNTHETIC MEDIA, PLASTIC FRAME FOR HIGHER PERFORMANCE AND LOWER PRESSURE DROP | In Stock | 130 |  | N/A |
| 42900001 | PUMP, CONVERTER CHARGING       | TORQUE CONVERTER CHARGING PUMP, KOENIG:X216228-J   | In Stock | 1   |  | N/A |
| 54900163 | RACK & PINION, PNEUMATIC       | ACTUATOR, TYPE PNEUMATIC RACK & PINION, FLOWSERVE:20E39SW224D  | In Stock | 1   |  | N/A |
| 61100437 | REGULATOR, SIGNAL PRESSURE     | STAGE 2 TEMPERATURE CONTROL VALVE - AIR SIGNAL PRESSURE REGULATOR, FISHER:67CF-1663-38656  | In Stock | 1   |  | N/A |
| 68601089 | RELAY, DPDT 120VAC             | RCP8002 120AC  | In Stock | 1   |  | N/A |
| 60101179 | RELAY, SINGLE POLE             | SINGLE POLE RELAYS - VARIOUS SKIDS, AUTOMATION DIRECT:781-1C-120A  | In Stock | 2   |  | N/A |
| 68601090 | RELAY, TPDT 120VAC             | RCP1103 120AC  | In Stock | 1   |  | N/A |
| 58101231 | REPAIR KIT, INJ. PUMP          | CHEMICAL INJECTION PUMP REPAIR KIT, GRAINGER:K4PTC1  | In Stock | 1   |  | N/A |
| 42900002 | REPAIR KIT, SSS CLUTCH MINOR   | KOENIG:SL17998MNTK   | In Stock | 1   |  | N/A |
| 60101123 | RTD, #1 PRIMARY SIGNAL         | INLET SCROLL RTD #1 PRIMARY SIGNAL, ROSEMOUNT:0078-N-25-N-00-A-060-T26-XA  | In Stock | 1   |  | N/A |
| 60101087 | RTD, HEATER DISCHARGE TEMP.    | FUEL OIL INLINE HEATER DISCHARGE TEMPERATURE RTD, ROSEMOUNT:68 SERIES/0068D21C30A020T26  | In Stock | 1   |  | N/A |
| 60101117 | SENSOR, #1 OVERSPEED TRIP      | OVERSPEED TRIP SENSOR #1, ELECTRO CORP:3090A35   | In Stock | 2   |  | N/A |
| 60900049 | SENSOR, CONDUCTIVITY           | CONDUCTIVITY SENSOR - RO, RYAN HERCO:5926-200  | In Stock | 1   |  | N/A |
| 61100439 | SOLENOID, BLEED VALVE          | LP COMPRESSOR BLEED VALVE SOLENOID, ASCO:JKC8316G034V  | In Stock | 1   |  | N/A |
| 60101090 | SWITCH ASSEMBLY, LIMIT         | MICROSWITCH # LSA2B  | In Stock | 2   |  | N/A |
| 60101126 | SWITCH, LOW ALARM PRESSURE     | INSTR. AIR COMPRESSOR RECEIVER - LOW PRESSURE ALARM SWITCH, UNITED ELECTRIC CONTROLS: H122-274                                       | In Stock | 1   |  | N/A |
| 60101149 | SWITCH, CHLORINE FLOW          | CHLORINE INJECTION FLOW SWITCH, DWYER INSTRUMENTS:FS2  | In Stock | 1   |  | N/A |
| 60101191 | SWITCH, DIFF PRESSURE          | IGV ACT HYD FLUID FILTER- DIFF PRESS HIGH SWITCH, MOOG:G4444-2   | In Stock | 1   |  | N/A |
| 61100433 | SWITCH, DIFF PRESSURE          | HYDRAULIC FLUID CONDITIONING LOOP - FILTER DIFFERENTIAL PRESSURE SWITCH, PALL:RC0113C2090H   | In Stock | 1   |  | N/A |
| 60101143 | SWITCH, DIFF. PRESSURE         | HYD FLUID SUPPLY FILTER - DIFFERENTIAL PRESSURE SWITCH, PALL:RC0113C2097H  | In Stock | 1   |  | N/A |
| 60101120 | SWITCH, DIFFERENTIAL PRESS     | DIFFERENTIAL PRESSURE SWITCH, PNEUMAFIL:552033-B1  | In Stock | 2   |  | N/A |
| 60101121 | SWITCH, DIFFERENTIAL PRESSURE  | INTAKE AIR STATIC FILTER DIFFERENTIAL- PRESSURE SWITCH, SOR:107AL-K12-P1-F1A   | In Stock | 1   |  | N/A |
| 60101135 | SWITCH, DISCH PRESSURE         | HYD FLUID PUMP #1 DISCHARGE - PRESSURE SWITCH, REXROTH:HED 3 OAEX/63/12  | In Stock | 1   |  | N/A |
| 60101089 | SWITCH, DISPLACER LEVEL        | FUEL OIL TANK HIGH LEVEL SWITCH, DISPLACER LEVEL SWITCH, MAGNETROL MODEL # A15-1E2B-HM3, SERIAL # 744243-01-001                      | In Stock | 1   |  | N/A |
| 60101082 | SWITCH, HEATER SUPPLY FLOW     | FUEL OIL INLINE HEATER SUPPLY FLOW SWITCH, MAGNETROL TD2-7D01-0G0 C/W TEA-A110-004, THERMAL DISPERSION FLOW SWITCH                   | In Stock | 1   |  | N/A |
| 60101119 | SWITCH, MANIFOLD PRESSURE      | INLET AIR MANIFOLD PRESSURE SWITCH, UNITED ELECTRIC CONTROLS: J400K-455-1520   | In Stock | 1   |  | N/A |
| 60101095 | SWITCH, OVERSPEED              | CENTAUR KIT P/N1071653-2600  | In Stock | 1   |  | N/A |
| 60101079 | SWITCH, PRESSURE               | DIFFERENTIAL PRESSURE SWITCH, JOHNSON CONTROLS:JCI P 233 A-10-AAC  | In Stock | 1   |  | N/A |
| 60101107 | SWITCH, PRESSURE               | BEARING LUBE OIL HEADER PRESS#1 LOW, PRESSURE SWITCH, UNITED ELECTRIC CONTROLS: J402-146-1521  | In Stock | 1   |  | N/A |
| 60101110 | SWITCH, PRESSURE               | EMERGENCY LUBE OIL PUMP DISCHARGE - PRESSURE SWITCH, UNITED ELECTRIC CONTROLS - J400-146-1521  | In Stock | 1   |  | N/A |
| 60101115 | SWITCH, PRESSURE               | MAIN LUBE OIL PUMP #1 - DISCHARGE PRESSURE SWITCH, UNITED ELECTRIC CONTROLS: J402-164-1521   | In Stock | 1   |  | N/A |
| 60101171 | SWITCH, PRESSURE               | PRESSURE SWITCH, BARKSDALE:X1T-4100-25   | In Stock | 1   |  | N/A |
| 60101172 | SWITCH, PRESSURE               | PRESSURE SWITCH, DRUCKSCHALTER: D1 TM80 SS   | In Stock | 1   |  | N/A |
| 60101072 | SWITCH, PUMP DISCHARGE PRESS.  | PUMP DISCHARGE PRESSURE SWITCH, CCS 646GZEM5   | In Stock | 1   |  | N/A |
| 60101069 | SWITCH, PUMP SUPPLY PRESSURE   | PUMP SUPPLY PRESSURE SWITCH, CCS 646GZEM1  | In Stock | 1   |  | N/A |
| 60101114 | SWITCH, TEMPERATURE            | LUBE OIL RESERVOIR TEMPERATURE SWITCH, HONEYWELL:T775A2009   | In Stock | 1   |  | N/A |
| 61100429 | THERMOCOUPLE, SHELL            | SIEMENS:MQ 0206-PVDF8 3XT(K), INSTALLATION LENGTH 375MM, HAN 8D  | In Stock | 1   |  | N/A |
| 60101175 | THERMOSTAT, VENTILATION        | MECHANICAL PACKAGE - VENTILATION THERMOSTAT, T631C1012   | In Stock | 1   |  | N/A |
| 60101086 | TRANSMITTER, HEATER DISCHARGE  | FUEL OIL INLINE HEATER DISCHARGE TEMPERATURE TRANSMITTER, ROSEMOUNT:644HAK616M4  | In Stock | 1   |  | N/A |
| 58400790 | TRANSMITTER, PRESSURE          | ROSEMOUNT:3051S2TG3A2A1A1AM5Q4   | In Stock | 1   |  | N/A |
| 60101139 | TRANSMITTER, PRESSURE          | HYD FLUID HEADER SUPPLY - PRESSURE TRANSMITTER, ROSEMOUNT:3051TG4A2A21AM5Q4  | In Stock | 1   |  | N/A |
| 60101153 | TRANSMITTER, PRESSURE          | 0-500 PRESSURE TRANSMITTER - RO SKID, AUTOMATION DIRECT: PTD25-20-0500H  | In Stock | 1   |  | N/A |
| 60101154 | TRANSMITTER, PRESSURE          | PRESSURE TRANSMITTER, AUTOMATION DIRECT:PTD25-20-0100H, 0-100 PSI - VARIOUS SKIDS  | In Stock | 3   |  | N/A |
| 60101084 | TRANSMITTER, RADAR LEVEL       | FUEL OIL TANK 1 LEVEL RADAR LEVEL TRANSMITTER, ROSEMOUNT:5402AH1E64SPVDAM1C1S3   | In Stock | 1   |  | N/A |

|          |                              |   |          |    |  |     |
|----------|------------------------------|---|----------|----|--|-----|
| 61100435 | TRANSMITTER,TANK LEVEL       | RAW WATER STORAGE TANK LEVEL RADAR - LEVEL TRANSMITTER, ROSEMOUNT:5402AH1E64SPVCAM1C153   | In Stock | 1  |  | N/A |
| 60101071 | VALVE,ACTUATED THROTTLE      | PNEUMATICALLY ACTUATED THROTTLE VALVE, FISHER ET-677-DVC-6200   | In Stock | 1  |  | N/A |
| 60101134 | VALVE,AIR BLEED              | HYD FLUID AIR BLEED VALVE, HYDAC:AEV6/5 00230023  | In Stock | 1  |  | N/A |
| 54900169 | VALVE,AIR FILTER DRAIN       | COOLING AIR FILTER BLEED DRAIN VALVE, 1", WORCHESTER:B4446 XG SW  | In Stock | 1  |  | N/A |
| 54900166 | VALVE,AUTO SHUT-OFF          | MODEL ASV-1 AUTOMATIC - SHUT-OFF VALVE, TYCO:92-343-1-021   | In Stock | 2  |  | N/A |
| 54900165 | VALVE,AUTOMATIC DRAIN        | MODEL AD-1 AUTOMATIC DRAIN VALVE, TYCO:52-793-2-004   | In Stock | 2  |  | N/A |
| 60101162 | VALVE,BALL                   | 1.5", STAINLESS STEEL, MCMMASTER CARR: 45995K84   | In Stock | 1  |  | N/A |
| 54100208 | VALVE,CHECK                  | CHECK VALVE, SUN HYDRAULICS:CXDA-XAN  | In Stock | 1  |  | N/A |
| 54300750 | VALVE,FUEL BYPASS            | MANUFACTURER:FISHER, MODEL:1008 HANDWHEEL ACTUATOR W/LOCKING MECHANISM, SIZE 40, TRAVEL LENGHT:3/4", CAPABLE OF GIVING PRECISE MANUAL - THROTTLING CONTROL, TRAVEL INDICATOR MOUNTED ON ACTUATOR - YOKE FOR VISUAL VALVE PLUG POSITION                | In Stock | 1  |  | N/A |
| 54100206 | VALVE,FUEL CHECK             | FUEL LINE CHECK VALVE, PARKER:10A-CBGL-10-PF-SS, VOGT:SW9871T,  | In Stock | 3  |  | N/A |
| 54900176 | VALVE,NEEDLE                 | 1 SERIES NEEDLE VALVE, SWAGELOCK:B-1VM4-S4/SS-1VM4-S4   | In Stock | 1  |  | N/A |
| 54400332 | VALVE,PRESSURE CONTROL       | PRESSURE CONTROL VALVE, SUN HYDRAULICS:ROBA-LAN   | In Stock | 1  |  | N/A |
| 54400326 | VALVE,PRESSURE RELIEF        | HYDRAULIC FLUID PRESS RELIEF VALVE, REXROTH:R900341066  | In Stock | 1  |  | N/A |
| 54400327 | VALVE,PRESSURE RELIEF        | PUMP DISCHARGE - PRESSURE RELIEF VALVE, REXROTH:R900420276  | In Stock | 1  |  | N/A |
| 54400328 | VALVE,PRESSURE RELIEF        | VALVE MANIFOLD PRESSURE RELIEF VALVE, REXROTH:R900423723  | In Stock | 1  |  | N/A |
| 54400329 | VALVE,PRESSURE RELIEF        | MAIN PUMP DISCHARGE - PRESSURE RELIEF VALVE, REXROTH:R900424147   | In Stock | 1  |  | N/A |
| 54100209 | VALVE,SOLENOID               | SOLENOID VALVE, SUN HYDRAULICS:DLDA-MCN   | In Stock | 1  |  | N/A |
| 54500437 | VALVE,SOLENOID               | SOLENOID VALVE, TYCO: 52-287-10-024   | In Stock | 2  |  | N/A |
| 54500511 | VALVE,SOLENOID               | AIR CONTROL SOLENOID VALVE, 24VDC MINI, INGERSOLL RAND 633658   | In Stock | 1  |  | N/A |
| 60101101 | VALVE,SOLENOID               | RAC FILTER DRAIN SOLENOID VALVE, PARKER:H2223N  | In Stock | 1  |  | N/A |
| 65000438 | VALVE,SOLENOID               | GENERATOR JACKING OIL - SOLENOID VALVE, SUN HYDRAULICS:DLDA-MCN   | In Stock | 1  |  | N/A |
| 54100203 | VALVE,SS POPPET CHECK        | SS POPPET CHECK VALVE, SWAGELOCK:SS-6C-1  | In Stock | 1  |  | N/A |
| 54800068 | VALVE,STOP                   | FISHER 3", 560IIT-TH66 QS1600-4 DXP-L21GNEB   | In Stock | 1  |  | N/A |
| 54900197 | VALVE,THROTTLE               | THROTTLE VALVE, NFBC-LCN  | In Stock | 1  |  | N/A |
| 54900178 | VALVE,GZ-PR4-BNT-SS          | PARKER VALVE, MODEL# GZ-PR4-BNT-SS  | In Stock | 1  |  | N/A |
| 58400768 | FILTER, AIR                  | GEN AIR FILTERS, COMPACT FILTER G4/F7 287 X 292 X 300, SIEMENS  | In Stock | 16 |  | N/A |
| 42100315 | BELT,RADIATOR FAN            | RADIATOR FAN BELT GROUP 1, CAT:7W5228   | In Stock | 6  |  | N/A |
| 58400763 | FILTER,LIQUID FUEL           | CLARK RELIANCE 2200A3   | In Stock | 25 |  | N/A |
| 54300751 | REPAIR KIT,BYPASS VALVE      | REPAIR KIT FOR FUEL START-UP BYPASS VALVE, MANUFACTURER:FISHER, MODEL:EZ, SIZE:1", TRIM:1/4" M-FORM, USED FOR THROTTLING ON-OFF CONTROL OF LIQUID OR GASES, SINGLE PORT, GLOBE-STYLE BODY FOR - QUICK CHANGE TRIM & POST GUIDED UNBALANCED VALVE PLUG | In Stock | 1  |  | N/A |
| 54900190 | VALVE ASSY,PILOT             | PILOT VALVE ASSEMBLY, CLIPPARD FV-SP W/MPA-3P, CLIPPARD:LWT3732   | In Stock | 1  |  | N/A |
| 61100454 | GAUGE,CAPSULELIC             | CAPSULELIC GOUGE 0-2" W.C., PNEUMAFIL:SS1646-B6   | In Stock | 1  |  | N/A |
| 61100456 | REGULATOR,PRESSURE           | PRESSURE REGULATOR - AIR SUPPLY FROM INST AIR COMPRESSOR, FISHER:FS64-29  | In Stock | 1  |  | N/A |
| 61100457 | GAUGE,PRESSURE               | INSTR. AIR COMPRESSOR PRESSURE GAUGE, AIR COMPRESSOR OF FLORIDA:5ZP76   | In Stock | 1  |  | N/A |
| 61100463 | GAUGE,PRESSURE               | PRESSURE GAUGE 0-160PSI, LIQUID FILLED BACK MOUNT, STAINLESS STEEL, AUTOMATION DIRECT:G25-SL160-4LB   | In Stock | 1  |  | N/A |
| 61100464 | GAUGE,PRESSURE               | PRESSURE GAUGE 0-100PSI, LIQUID FILLED LOWER MOUNTED, STAINLESS STEEL, AUTOMATION DIRECT:G25-SD100-4LS  | In Stock | 1  |  | N/A |
| 61100465 | GAUGE,PRESSURE               | PRESSURE GAUGE 0-100PSI, LIQUID FILLED BACK MOUNTED, STAINLESS STEEL, AUTOMATION DIRECT:G25-SD100-4CS   | In Stock | 1  |  | N/A |
| 61100466 | PRESSURE GAUGE 0-500PSI      | PRESSURE GAUGE 0-500PSI, LIQUID FILLED BACK MOUNTED, STAINLESS STEEL, DWYER INSTRUMENTS:SGY-D11142N-GF  | In Stock | 1  |  | N/A |
| 61100467 | GAUGE,PRESSURE 0-500PSI      | PRESSURE GAUGE 0-500 PSI, LIQUID FILLED LOWER MOUNTED, STAINLESS STEEL, DWYER INSTRUMENTS:SGY-D11122N-GF  | In Stock | 1  |  | N/A |
| 56400184 | BUSHING ASSY,FISHER POT      | POT/BUSHING ASSEMBLY, FISHER:27B6208X012  | In Stock | 1  |  | N/A |
| 61100455 | TRANSMITTER,PRESSURE         | PRESSURE TRANSMITTER 0-300 PSI 4-20MA, ROSEMOUNT:3051TA3A2B21AE5  | In Stock | 1  |  | N/A |
| 61100460 | GAUGE,PRESS REGULATING       | PRESSURE REGULATING GAUGE - AIR SUPPLY FROM INSTR AIR COMPRESSOR, FAIRCHILD:4066AT  | In Stock | 1  |  | N/A |
| 61900225 | MONITOR,GROUND VERIFICATION  | TRUCK UPLOADING GROUND VERIFICATION MONITOR, 8030-120 GROUND VERIFICATION MONITOR, CIVACON  | In Stock | 1  |  | N/A |
| 58400769 | FILTER, AIR                  | GEN AIR FILTERS, COMPACT FILTER, G4/F7 592 X 292 X 300, SIEMENS   | In Stock | 64 |  | N/A |
| 60101144 | THERMOCOUPLE,RESERVOIR       | HYD FLUID RESERVOIR THERMOCOUPLE, OMEGA:NB1-CASS-14U-12" DUAL   | In Stock | 1  |  | N/A |
| 60101178 | KIT,STACK FITTINGS           | E-CELL STACK FITTINGS KIT, GENERAL ELECTRIC:3019638   | In Stock | 1  |  | N/A |
| 54900188 | VALVE,GLOBE                  | GLOBE VALVE, STEEL, VOGT:SW9871T, LUBE OIL FILTER TOWER #1 VENT VALVE   | In Stock | 2  |  | N/A |
| 70000504 | FUSE,2A E-CELL               | E-CELL FUSE 2A, BUSSMANN:3060755  | In Stock | 2  |  | N/A |
| 70000503 | FUSE,25A E-CELL              | E-CELL FUSE 25A, BUSSMANN:1154697   | In Stock | 2  |  | N/A |
| 70000502 | FUSE,3A E-CELL               | E-CELL FUSE 3A, BUSSMAN:3060756   | In Stock | 2  |  | N/A |
| 70000508 | FUSE,8A E-CELL               | E-CELL FUSE 8A, MERSEN ELECTRIC POWER:3060752   | In Stock | 4  |  | N/A |
| 61900223 | TRANSMITTER,DEW POINT -100F  | -40F AND -100F, INGERSOLL RAND P/N 23182603   | In Stock | 2  |  | N/A |
| 81200812 | R-DIODE                      | SIEMENS PG:840C411F04   | In Stock | 12 |  | N/A |
| 81200813 | F-DIODE                      | SIEMENS PG:840C411F03   | In Stock | 12 |  | N/A |
| 54100202 | VALVE,CHECK 3"               | 3MB60-6047-WR   | In Stock | 1  |  | N/A |
| 81200814 | CAPACITOR ASSEMBLY,RC        | SIEMENS PG:153C684  | In Stock | 1  |  | N/A |
| 54400323 | VALVE,PUMP DISCHARGE         | PUMP DISCHARGE PRESSURE REGULATING VALVE, MOOG/FISHER:ET-657-DVC-6200, SERIAL # F000642304, TYPE:ET CAV 111, SIZE 1-1/2, PORT SIZE:1-5/16, RATING:CL600/1500 PSI CWP, PLUG:SST, STEM:SST, BODY:STL, SEAT:SST  | In Stock | 1  |  | N/A |
| 60101183 | METER,30-199.9 MV            | E-CELL 30-199.9 MV METER, GENERAL ELECTRIC: 3038073   | In Stock | 1  |  | N/A |
| 60101174 | ACTUATOR,LOUVER              | ELECTRICAL PACKAGE LOUVER ACTUATOR, ML4115B1008   | In Stock | 1  |  | N/A |
| 54900164 | VALVE,AIR INLET              | ATOMIZING AIR RECEIVER INLET VALVE, WORCHESTER:S166TT150  | In Stock | 1  |  | N/A |
| 60101132 | SWITCH,OIL FLOW              | GENERATOR TURBINE END BEARING - JACKING OIL FLOW SWITCH, MEISTER:DKM/A-1/10   | In Stock | 2  |  | N/A |
| 60101148 | SPEED CONTROL,NUMATICS       | SPEED CONTROL, BRONZE, NUMATICS A1MN, EMERSON:LWT21254  | In Stock | 1  |  | N/A |
| 60101161 | VALVE,ACTUATOR               | ACTUATOR, VALWORX:561055A, ELECT FOR RO INLET VALVE & RINSE VALVE - RO SKID   | In Stock | 1  |  | N/A |
| 60101177 | SENSOR,INLINE FLOW           | E-CELL INLINE FLOW SENSOR, BURKERT: 3059466   | In Stock | 1  |  | N/A |
| 60101181 | SENSOR,E-CELL FLOW           | E-CELL FLOW SENSOR 8020 SHORT, BURKERT:3033067  | In Stock | 1  |  | N/A |
| 60101182 | ANALYZER,CONDUCTIVITY        | E-CELL CONDUCTIVITY ANALYZER, BURKERT:3059495   | In Stock | 2  |  | N/A |
| 60101186 | TRANSMITTER,PRESSURE         | E-CELL PRESSURE TRANSMITTER, BURKERT:3059497  | In Stock | 1  |  | N/A |
| 54500434 | VALVE,SOLENOID               | MECHANICAL PACKAGE LOUVER - SOLENOID VALVE, ASCO:WPKP8320A89MS  | In Stock | 1  |  | N/A |
| 60101127 | VALVE,SOLENOID               | INST AIR SYSTEM ISOLATION SOLENOID VALVE, ASCO:HCL8316G66MB   | In Stock | 1  |  | N/A |
| 98200199 | ALARM,PANEL DISCHARGE        | FIRE CONTROL PANEL DISCHARGE -ALARM TO DCS, NOTIFIER:AFP-300  | In Stock | 1  |  | N/A |
| 98200198 | ALARM,TROUBLE                | FIRE CONTROL PANEL TROUBLE ALARM TO DCS, DET-TRONICS:U9500A   | In Stock | 1  |  | N/A |
| 65900003 | BRUSH SET,TURNING MOTOR GEAR | TURNING GEAR MOTOR BRUSH SET, 419904-S1AC   | In Stock | 5  |  | N/A |
| 60800396 | POWER SUPPLY,24VDC           | 24VDC POWER SUPPLY, AUTOMATION DIRECT:P5824-060D  | In Stock | 1  |  | N/A |

|          |                            |  |                        |    |  |  |     |
|----------|----------------------------|--|------------------------|----|--|--|-----|
| 60101125 | SWITCH,PRESSURE            | INSTRUMENT AIR SYSTEM PRESSURE SWITCH, UNITED ELECTRIC CONTROLS: H122-184, MFG PN 0409-007                       | In Stock               | 1  |  |  | N/A |
| 74201105 | CONTACT,BRUSH              | TWO LAYER CONTACT BRUSH, SIEMENS:EMT 513-005, 20X8X32 EGSU/AG20  | In Stock               | 20 |  |  | N/A |
| 70000487 | FUSE,SIEMENS PG            | SIEMENS PG 840C208F01  | In Stock               | 2  |  |  | N/A |
| 61100458 | GAUGE,PRESSURE             | PRESSURE GAUGE - FOR INSTR AIR COMPRESSOR, ASHCROFT:45-13772204b, RANGE:0-200 PSI                                | On Order               | 0  |  |  | TBD |
| 54900177 | VALVE,FEMALE NEEDLE        | FEMALE NEEDLE VALVE, MCMMASTER CARR:4644K33, 3/8"NPT   | On Order               | 0  |  |  | TBD |
| 58400824 | PRE-FILTER,AIR COOLING     |  | On Order               | 0  |  |  | TBD |
| 58400825 | PRE-FILTER,AIR COOLING     |  | On Order               | 0  |  |  | TBD |
| 74201106 | CONTACT,1NC BLK            | CONTACT BLK 1NC, SIEMENS:52BAK   | On Order               | 0  |  |  | TBD |
| 60101185 | CONTACTOR,E-CELL 32A       | E-CELL 32A CONTACTOR, GENERAL ELECTRIC:3060877   | On Order               | 0  |  |  | TBD |
| 61100431 | FLOWMETER,TURBINE          | FUEL OIL UNLOADING FLOW LIQUID TURBINE FLOWMETER, HOFFER FLOW CONTROLS: HO SERIES/6X6-75-1250-CB-1M/XE2-F1CS-EXP | On Order               | 0  |  |  | TBD |
| 61100451 | GAUGE,CAPSULELIC           | CAPSULELIC GUAGE 0-6" W.C., PNEUMAFIL:551646-B1  | On Order               | 0  |  |  | TBD |
| 61100450 | GAUGE,CONVERTER PRESSURE   | STARTING PACKAGE TORQUE CONVERTER PRESSURE GAUGE, KOENIG:BAC-160-25  | On Order               | 0  |  |  | TBD |
| 60101106 | GAUGE,OIL TEMPERATURE      | LUBE OIL COOLER OUTLET TEMP GAUGE, ASHCROFT:600B-01-CEXSG  | On Order               | 0  |  |  | TBD |
| 60101111 | INDICATOR,VACUUM PRESSURE  | LUBE OIL RESERVOIR VACUUM - PRESSURE INDICATOR, ASHCROFT:45-118775S-04B  | On Order               | 0  |  |  | TBD |
| 54900189 | INDICATOR,SIGHT            | 1-1/2", JACOBY:100-S(NF)   | On Order               | 0  |  |  | TBD |
| 60101073 | METER,FLOW                 | ROSEMOUNT:3051FC1CS030NXT33DA1A5DQ4E6M5  | On Order               | 0  |  |  | TBD |
| 56400182 | O-RING,BUNA                | HEAD TO BOWL O-RING BUNA, PALL:UK19672   | On Order               | 0  |  |  | TBD |
| 60101080 | SENSOR,TEMPERATURE         | JCI TS-9103-8324   | On Order               | 0  |  |  | TBD |
| 60101104 | SWITCH,HIGH PRESSURE       | LUBE OIL FILTER DELTA HIGH PRESS SWITCH, MIDWEST:120-AA-09-0-CZ  | On Order               | 0  |  |  | TBD |
| 60101131 | SWITCH,OIL PUMP PRESSURE   | GENERATOR MAIN JACKING OIL PUMP - PRESSURE SWITCH, BARKSDALE:BIT-H04   | On Order               | 0  |  |  | TBD |
| 60101142 | SWITCH,TEMPERATURE         | HYD FLUID RESERVOIR HEATER - TEMPERATURE SWITCH, UNITED ELECTRIC CONTROLS: C402-120-1070-M202 73/86F             | On Order               | 0  |  |  | TBD |
| 60101140 | SWITCH,TEMPERATURE (OFF)   | HYD FLUID COOLER FAN MOTOR - TEMPERATURE SWITCH (OFF), UNITED ELECTRIC CONTROLS: C402-120-1070-M202 135/120F     | On Order               | 0  |  |  | TBD |
| 60101141 | SWITCH,TEMPERATURE (ON)    | HYD FLUID COOLER FAN MOTOR - TEMPERATURE SWITCH (ON), UNITED ELECTRIC CONTROLS: C402-120-1070-M202 135/120F      | On Order               | 0  |  |  | TBD |
| 61100440 | THERMOCOUPLE,BLADE PATH    | COMPRESSOR BLADE PATH THERMOCOUPLE, DUPLEX TYPE K  | On Order               | 0  |  |  | TBD |
| 54900167 | THERMOCOUPLE,TEMPERATURE   | COMBUSTOR SHELL DISCHARGE - TEMPERATURE THERMOCOUPLE DUPLEX TYPE K   | On Order               | 0  |  |  | TBD |
| 60101184 | TRANSDUCER,55A CURRENT     | E-CELL 55A CURRENT TRANSDUCER, PHOENIX CONTACT:3062518   | On Order               | 0  |  |  | TBD |
| 60101099 | TRANSMITTER,GUIDE POSITION | INLET GUIDE VANE POSITION TRANSMITTER, FISHER:4200 SERIES (4200)   | On Order               | 0  |  |  | TBD |
| 60101137 | TRANSMITTER,LEVEL          | HYD FLUID RESERVOIR - LEVEL TRANSMITTER, GEMS:XT-800   | On Order               | 0  |  |  | TBD |
| 60101070 | TRANSMITTER,PUMP DISCHARGE | PUMP DISCHARGE PRESSURE TRANSMITTER, ROSEMOUNT 3051CG5A22A1A55B4C6M5Q4   | On Order               | 0  |  |  | TBD |
| 60101122 | TRANSMITTER,31 TEMPERATURE | INLET SCROLL TEMPERATURE TRANSMITTER #1, YOKAGAWA:YTA320-EA2NN/FU1/D2/Z  | On Order               | 0  |  |  | TBD |
| 60101096 | VALVE,COMPRESSOR SOLENOID  | HP COMPRESSOR BLEED VALVE SOLENOID, ASCO:KCB316G74V  | On Order               | 0  |  |  | TBD |
| 60101109 | VALVE,PRESSURE CONTROL     | BEARING LUBE OIL PRESSURE CONTROL VALVE, FISHER:ED-655   | On Order               | 0  |  |  | TBD |
| 54900196 | VALVE,SUPPLY FILTER        | HYD FLUID SUPPLY FILTER SELECTION VALVE, PALL:1319232  | On Order               | 0  |  |  | TBD |
| 60101192 | ACTUATOR,DEMAND CONTROL    | INLET GUIDE VALVE HYD DEMAND CONTROL - ACTUATOR, MOOG:85-616C101   | Capital                | 0  |  |  | TBD |
| 54900172 | VALVE,COMPRESSOR BLEED     | HP COMPRESSOR BLEED VALVE, 14", FISHER:A31A-1031/33082 SR80  | Capital                | 0  |  |  | TBD |
| 54900171 | VALVE,COMPRESSOR BLEED     | LP COMPRESSOR BLEED VALVE, 18", METSO AUTOMATION:815W 11 22HB X2C VA   | Capital                | 0  |  |  | TBD |
| 65000437 | ACTUATOR,AUMA              | ACTUATOR, AUMA, MODEL:SA10.2-216/GS200.3/GZ200.3   | In procurement process | 0  |  |  | TBD |
| 58400773 | AIR FILTER,SOLAR FINAL     | CENTAUR:AAF 515-564-002  | In procurement process | 0  |  |  | TBD |
| 80900088 | BULB,TEMP A DRY            | WEATHER STATION DRY BULB TEMP A, VAISALA: HMT3301A08101CGAB200B01CABAA1  | In procurement process | 0  |  |  | TBD |
| 37900015 | CABLE,TITAN IGNITER        | TITAN IGNITER CABLE, CENTAUR:115352-1  | In procurement process | 0  |  |  | TBD |
| 43900018 | DAMPER,VACUUM CONTROL      | LUBE OIL RESERVOIR - VACUUM CONTROL DAMPER, INTEGRAL WITH BLOWER HOUSING, 4"                                     | In procurement process | 0  |  |  | TBD |
| 3900028  | ELEMENT,CHROMOLOX          | ELEMENT, CHROMOLOX:118-305471-112  | In procurement process | 0  |  |  | TBD |
| 58400781 | FILTER,HIGH PRESSURE FUEL  | CENTAUR:1125423  | In procurement process | 0  |  |  | TBD |
| 58400789 | FILTER,LUBE OIL            | TURBOHYDRAULIC START LUBE OIL FILTER, CENTAUR FAUCET: 038062 10M   | In procurement process | 0  |  |  | TBD |
| 58400779 | FILTER,TITAN FUEL          | CENTAUR:11246882   | In procurement process | 0  |  |  | TBD |
| 58400777 | FILTER,TITAN LUBE OIL      | CENTAUR:38062  | In procurement process | 0  |  |  | TBD |
| 70000509 | FUSE,AC PIM                | REPLACEMENT FUSE FOR AC PIMS, BENTLY NEVADA:1720025  | In procurement process | 0  |  |  | TBD |
| 60101156 | FUSE,LOW VOLTAGE DC        | REPLACEMENT FUSE (LOW VOLTAGE DC PIM), BENTLY NEVADA: 1720045  | In procurement process | 0  |  |  | TBD |
| 70000493 | FUSE,12A                   | FUSE 12A, SIEMENS:500232012  | In procurement process | 0  |  |  | TBD |
| 56200363 | GASKET,CENTAUR             | GASKET, CENTAUR:946933C1   | In procurement process | 0  |  |  | TBD |
| 56200362 | GASKET,FLANGE              | ROTOR COOLING AIR FILTER COVER - FLANGE GASKET, NATIONAL FILTRATION SYSTEMS:10300002                             | In procurement process | 0  |  |  | TBD |
| 61100442 | GAUGE,DIAL PRESSURE        | DIAL PRESSURE GAUGE, ECODYNE:2172-1067   | In procurement process | 0  |  |  | TBD |
| 61100459 | GAUGE,PRESSURE             | DIFFERENTIAL PRESSURE GAUGE - COMPRESSOR INSTR AIR COALESCING FILTER, HEADLINE FILTERS:DPP-975                   | In procurement process | 0  |  |  | TBD |
| 3900029  | HEATER,CHROMOLOX           | HEATER, CHROMOLOX:1281537  | In procurement process | 0  |  |  | TBD |
| 3900025  | HEATER,12KW OPEN COIL      | 12KW OPEN COIL HEATER, CHROMOLOX:OCE-12120-210-480V  | In procurement process | 0  |  |  | TBD |
| 3900026  | HEATER,3PH COMFORT         | 5KW/3PH/480V COMFORT HEATER, CHROMOLOX:HD30-500 (PCNH520153)   | In procurement process | 0  |  |  | TBD |
| 60101136 | INDICATOR,LOOP PRESSURE    | HYD FLUID CONDITIONING LOOP - PRESSURE INDICATOR, 2-1/2", REXROTH:/400PUA31-10A-4 JIC                            | In procurement process | 0  |  |  | TBD |
| 61100447 | INDICATOR,OIL LEVEL        | LUBE OIL RESERVOIR LEVEL INDICATOR, GEMS:806601  | In procurement process | 0  |  |  | TBD |
| 60101129 | INDICATOR,LOW OIL LEVEL    | INSTRUMENT AIR COMPRESSOR LOW - OIL LEVEL INDICATOR, INGERSOLL RAND:22102388                                     | In procurement process | 0  |  |  | TBD |
| 58400775 | KIT,OIL FILTER & O-RING    | LUBE OIL FILTER & O-RING KIT, CENTAUR:9161283C1  | In procurement process | 0  |  |  | TBD |
| 74600114 | LAMP,115VAC PILOT          | 115VAC PILOT LAMP - VARIOUS SKIDS, RADWELL INTERNATIONAL:D5M130  | In procurement process | 0  |  |  | TBD |
| 60101160 | MANUAL,POWER SUPPLY MODULE | POWER SUPPLY MODULE, MANUAL, BENTLY NEVADA:129767-01   | In procurement process | 0  |  |  | TBD |
| 60101067 | METER,FLOW                 | ROSEMOUNT:3051FC1CS030N065-T33EA1A5Q4E6M5  | In procurement process | 0  |  |  | TBD |
| 58400796 | MICROSWITCH ASSY,FILTER    | MICROSWITCH ASSEMBLY- FILTER SKIDS & SOFTENER, PENTAIR:LWT3215   | In procurement process | 0  |  |  | TBD |
| 60101157 | MODULE,DC POWER SUPPLY     | HIGH VOLTAGE DC POWER SUPPLY MODULE, BENTLY NEVADA:129486-01   | In procurement process | 0  |  |  | TBD |
| 74600113 | MODULE,DISCRETE I/O        | DISCRETE I/O MODULE WITH - INTERNAL TERMINATIONS, BENTLY NEVADA:133422-01  | In procurement process | 0  |  |  | TBD |
| 74600109 | MODULE,I/O                 | DISCRETE INTERNAL BARRIERS I/O MODULE WITH INTERNAL TERMINATIONS, BENTLY NEVADA:136703-01                        | In procurement process | 0  |  |  | TBD |
| 60101159 | MODULE,POWER INPUT         | LOW VOLTAGE DC POWER INPUT MODULE (PIM), BENTLY NEVADA:133300-01   | In procurement process | 0  |  |  | TBD |
| 60101158 | MODULE,POWER SUPPLY        | LOW VOLTAGE DC POWER SUPPLY MODULE, BENTLY NEVADA:133292-01  | In procurement process | 0  |  |  | TBD |
| 74600099 | MODULE,TMR I/O             | I/O MODULE WITH INTERNAL BARRIERS - (INTERNAL TERMINATIONS)(4 X PROX/ACCEL)                                      | In procurement process | 0  |  |  | TBD |

|          |                              |   |                        |   |  |  |     |                      |
|----------|------------------------------|---|------------------------|---|--|--|-----|----------------------|
| 60800395 | MONITOR,MULTIFUNCTION        | MULTIFUNCTION MONITOR - ORP OR CONDUCTIVITY, RYAN HERCO:5924-562                                | In procurement process | 0 |  |  | TBD | Engineering required |
| 65000435 | MOTOR,FLAP ACTUATOR          | JOHNSON CONTROLS, JCI M9132-GGA-1   | In procurement process | 0 |  |  | TBD |                      |
| 60101116 | PICK UP,GENERATOR SPEED      | TURBINE GENERATOR SPEED PICK UP, BRAUN:ASS08T165C0.5  | In procurement process | 0 |  |  | TBD |                      |
| 60101118 | PICK UP,TORQUE CONVERTER SP  | TORQUE CONVERTER SPEED PICK UP, ELECTRO CORP:725833   | In procurement process | 0 |  |  | TBD |                      |
| 58400776 | PRE-FILTER,SOLAR             | CENTAUR AMERKLEEN M-80 FILTER   | In procurement process | 0 |  |  | TBD |                      |
| 60800398 | PREAMPLIFIER,ORP             | ORP PREAMPLIFIER, RYAN HERCO:5905-273   | In procurement process | 0 |  |  | TBD |                      |
| 58101225 | PUMP,GEAR                    | DANFOSS:BEREENDEN FLUID POWER SNP 2/11  | In procurement process | 0 |  |  | TBD |                      |
| 54900195 | REPAIR KIT SOLENOID          | PURGE SOLENOID REPAIR KIT, SURESITE:3153515   | In procurement process | 0 |  |  | TBD |                      |
| 61100430 | RTD,AIR TEMPERATURE          | GENERATOR EXCTER END COLD AIR TEMPERATURE RTD, 100 OHM PLATINUM, TMG GERBERG                    | In procurement process | 0 |  |  | TBD |                      |
| 56500208 | SEAL,MECHANICAL              | MECHANICAL SEAL, EAGLE:ABPN Q1Q1VMG   | In procurement process | 0 |  |  | TBD |                      |
| 60800397 | SENSOR,ORP                   | ORP SENSOR, RYAN HERCO:5909-751, RAW WATER PUMP - VARIOUS SKIDS                                 | In procurement process | 0 |  |  | TBD |                      |
| 60101164 | SENSOR,VIBRATION             | GENERATOR TURBINE END VIBRATION X, BENTLY NEVADA: 3300 SERIES                                   | In procurement process | 0 |  |  | TBD |                      |
| 60101170 | SENSOR,VIBRATION             | TURBINE EXHAUST END VIBRATION X - RELATIVE SENSOR, BENTLY NEVADA: 3500 SERIES                   | In procurement process | 0 |  |  | TBD |                      |
| 42100314 | SHAFT,FISHER                 | SHAFT, FISHER:7000400800  | In procurement process | 0 |  |  | TBD |                      |
| 74600098 | SWITCH,AUXILIARY             | AUX SWITCH, SIEMENS:A01JLD64  | In procurement process | 0 |  |  | TBD |                      |
| 60101180 | SWITCH,E-CELL PRESSURE       | E-CELL PRESSURE SWITCH, AUTOMATION DIRECT:3039305   | In procurement process | 0 |  |  | TBD |                      |
| 60101145 | SWITCH,FLUID LOW LEVEL       | HYD FLUID RESERVOIR LOW LEVEL SWITCH, REXROTH:500PUA31-05 2 SW                                  | In procurement process | 0 |  |  | TBD |                      |
| 60101150 | SWITCH,INSULATOR #58-PA      | MICRO SWITCH INSULATOR #58-PA, PENTAIR:LWT7696  | In procurement process | 0 |  |  | TBD |                      |
| 60101130 | SWITCH,OIL PUMP PRESSURE     | GENERATOR MAIN JACKING OIL PUMP - PRESSURE SWITCH, BARKSDALE:81T-H32                            | In procurement process | 0 |  |  | TBD |                      |
| 60101151 | SWITCH,STAGER 48-03          | STAGER (110V) SERIES 48-03 - W/HOMING SWITCH, OSMONICS: 48-03                                   | In procurement process | 0 |  |  | TBD |                      |
| 60101128 | SWITCH,START STOP PRESSURE   | INSTR.AIR COMPRESSOR START STOP, PRESSURE SWITCH, HUBBELL INDUSTRIAL CONTROL: 69HA109779U       | In procurement process | 0 |  |  | TBD |                      |
| 58608460 | SWITCH,TEMPERATURE           | BARKSDALE HEATER CONTROL TEMPERATURE SWITCH, MODEL # T1X-S154-A, STAINLESS STEEL                | In procurement process | 0 |  |  | TBD |                      |
| 60101176 | SWITCH,TEMPERATURE           | ELECTRICAL PACKAGE TEMPERATURE SWITCH, SERIES 54  | In procurement process | 0 |  |  | TBD |                      |
| 60101097 | SWITCH,VALVE OPEN LIMIT      | HP BLEED VALVE OPEN LIMIT SWITCH, WESTLOCK:2007XBY/4SPDT  | In procurement process | 0 |  |  | TBD |                      |
| 60101100 | SWITCH,VALVE OPEN LIMIT      | LP BLEED VALVE OPEN LIMIT SWITCH, WESTLOCK:2007XBY/6SPDT  | In procurement process | 0 |  |  | TBD |                      |
| 61100424 | THERMOCOUPLE ASSEMBLY TYPE J | THERMOCOUPLE ASSEMBLY TYPE J, C11637-07-001   | In procurement process | 0 |  |  | TBD |                      |
| 61100441 | THERMOCOUPLE,DISC CAVITY     | DISC CAVITY THERMOCOUPLE, PYCO:DUPLX TYPE K   | In procurement process | 0 |  |  | TBD |                      |
| 61100438 | THERMOCOUPLE,EXHAUST         | TURBINE EXHAUST END BEARING - THERMOCOUPLE, DUPLX TYPE K  | In procurement process | 0 |  |  | TBD |                      |
| 60101108 | THERMOCOUPLE,LUBE OIL TEMP   | BEARING LUBE OIL SUPPLY TEMPERATURE - THERMOCOUPLE, PYCO:02-3174 W/16-0049 (TYPE K)             | In procurement process | 0 |  |  | TBD |                      |
| 61100448 | THERMOCOUPLE,TEMPERATURE     | STARTING PACKAGE MOTOR STATOR - TEMPERATURE THERMOCOUPLE, S102629PD-120T305296                  | In procurement process | 0 |  |  | TBD |                      |
| 61100449 | THERMOCOUPLE,TEMPERATURE     | STARTING PACKAGE MOTOR FORWARD - BEARING TEMPERATURE T/C, S16820PD-300Z96                       | In procurement process | 0 |  |  | TBD |                      |
| 61100425 | THERMOCOUPLE,TYPE K          | K316G316-0-60-120-1ASP  | In procurement process | 0 |  |  | TBD |                      |
| 61100428 | THERMOMETER,RESISTANCE       | SIEMENS:WQ 0233 2XPT100, INSTALLATION LENGTH 250MM, HAN 8D                                      | In procurement process | 0 |  |  | TBD |                      |
| 3900024  | THERMOSTAT KIT,WR-90         | WR-90 THERMOSTAT KIT, CHROMOLOX:WR-90 KIT   | In procurement process | 0 |  |  | TBD |                      |
| 61100468 | THERMOSTAT,AC#1              | ELECTRICAL PACKAGE AC#1 THERMOSTAT, HH01AD045   | In procurement process | 0 |  |  | TBD |                      |
| 60101105 | TOWER,LUBE OIL FILTER        | LUBE OIL FILTER TOWER #1 PRESS, MARSH:J4652   | In procurement process | 0 |  |  | TBD |                      |
| 60101078 | TRANSMITTER,GROUND FAULT     | SIEMENS PG:153C691G02   | In procurement process | 0 |  |  | TBD |                      |
| 60101068 | TRANSMITTER,LIQUID FUEL TEMP | LIQUID FUEL TEMPERATURE TRANSMITTER, ROSEMOUNT 64HAK6M5QJ6                                      | In procurement process | 0 |  |  | TBD |                      |
| 61100445 | TRANSMITTER,OIL PRESSURE     | BEARING OIL PRESSURE TRANSMITTER, SIEMENS: 7MF4033-1CA10-1AC7-Z+B21+A02+Y01+Y21+Y15+Y16         | In procurement process | 0 |  |  | TBD |                      |
| 60101124 | TRANSMITTER,PRESSURE         | INLET FILTER HOUSE BAROMETRIC - PRESSURE TRANSMITTER, SIEMENS: 7MF4233-1FA10-1AC1-Z+B21+Y01+Y15 | In procurement process | 0 |  |  | TBD |                      |
| 60101193 | TRANSMITTER,PRESSURE         | COMBUSTOR SHELL PRESS TRANSMITTER, SIEMENS:7MF4233-1HA10-1AC1-Z+B21+Y01+Y15                     | In procurement process | 0 |  |  | TBD |                      |
| 54600160 | VALVE 2" NPT BALL            | FEMALE 316 SS FULL PORT BALL VALVE, 2"NPT, MCM:46495K86   | In procurement process | 0 |  |  | TBD |                      |
| 54400324 | VALVE,AIR RELIEF             | INST AIR HEADER RELIEF VALVE, PARKER:6M-6M-RL4A-VTSSMKNK  | In procurement process | 0 |  |  | TBD |                      |
| 54800070 | VALVE,BUTTERFLY              | BUTTERFLY VALVE, GEAR OPERATED, VELAN TOURQUESEAL: L16-1CP02-ACAA C/W MODEL M15                 | In procurement process | 0 |  |  | TBD |                      |
| 54100205 | VALVE,CHECK                  | CHECK VALVE, MODEL 210, 4"  | In procurement process | 0 |  |  | TBD |                      |
| 54900161 | VALVE,CONTINUOUS PURGE       | 3" OS0600-4 DXP-L21GNEB EFHC8321G1  | In procurement process | 0 |  |  | TBD |                      |
| 61100443 | VALVE,CONTROL                | STAGE 3 TEMPERATURE CONTROL VALVE - I/P W/POSITIONER, FISHER:DVC5030                            | In procurement process | 0 |  |  | TBD |                      |
| 61100444 | VALVE,CONTROL                | STAGE 2 TEMPERATURE CONTROL VALVE - I/P W/POSITIONER, VRC:VE700GT1                              | In procurement process | 0 |  |  | TBD |                      |
| 54900193 | VALVE,INLET SHUFFLE          | INLET SHUTTLE VALVE, SURESITE:4010031   | In procurement process | 0 |  |  | TBD |                      |
| 54900173 | VALVE,PRESS REGULATING       | LO BEARING PRESSURE REGULATING VALVE, FISHER:44 ACTUATOR 4 BODY 655ED                           | In procurement process | 0 |  |  | TBD |                      |
| 54400325 | VALVE,PRESSURE RELIEF        | POLISHING LOOP PRESSURE RELIEF VALVE, REXROTH:RR00347261  | In procurement process | 0 |  |  | TBD |                      |
| 54100207 | VALVE,PVC CHECK              | PVC Y-PATTERN CHECK VALVE, 3", UNITED STATES PLASTIC CORP:5132-030                              | In procurement process | 0 |  |  | TBD |                      |
| 54900160 | VALVE,SHUTDOWN PURGE         | 1" OS0065-4 DXP-L21GNEB JBHC8327G041-125VDC   | In procurement process | 0 |  |  | TBD |                      |
| 54500436 | VALVE,SOLENOID               | E-CELL SOLENOID VALVE, EMERSON:3022390  | In procurement process | 0 |  |  | TBD |                      |
| 54900168 | VALVE,TEMP CONTROL           | STAGE #3 DISC CAVITY TEMPERATURE - CONTROL VALVE, 3", FISHER:A41-1032425AS                      | In procurement process | 0 |  |  | TBD |                      |
| 54900170 | VALVE,TEMP CONTROL           | STAGE #2 DISC CAVITY TEMPERATURE - CONTROL VALVE, 4", FISHER:A41-1032425SR                      | In procurement process | 0 |  |  | TBD |                      |
| 54600159 | VALVE,1" SW BALL             | 1" SW BALL VALVE, WORCESTER:K466TSW   | In procurement process | 0 |  |  | TBD |                      |
| 54100204 | VALVE,150# CHECK             | 150# CHECK VALVE, MODEL 210, 6"   | In procurement process | 0 |  |  | TBD |                      |
| 54600163 | VALVE,2" PVC BALL            | TRUE UNION BALL VALVES, 2" PVC, INDELCO:2TUBV   | In procurement process | 0 |  |  | TBD |                      |
| 54600161 | VALVE,3/8" THD BALL          | 3/8" THD BALL VALVE, APOLLO:76-102-01   | In procurement process | 0 |  |  | TBD |                      |
| 61900224 | OBSOLETE "DO NOT USE"        | REFER TO S/N 61900223   | not required           | 0 |  |  | TBD |                      |

In Stock 222  
On Order 30  
Capital 3  
In procurement process 94



|  |        |           |               |   |  |          |     |     |
|--|--------|-----------|---------------|---|--|----------|-----|-----|
| Not in Stock - Procurement in Progress | High   | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| Not in stock                           | Medium | TBD       | TBD           | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | High   |           |               | N |  | In Stock | N/A | Low |
| In stock                               | High   |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| In stock                               | Medium |           |               | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| In stock                               | Low    |           |               | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in stock                           | Medium | 4 Weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in stock                           | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in stock                           | Medium | 4 weeks   | TBD           | Y |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 2 weeks   | Late Dec 2014 | Y |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 2 weeks   | Late Dec 2014 | Y |  | In Stock | N/A | Low |
| Not in stock                           | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in stock                           | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in stock                           | Medium | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in stock                           | Medium | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |

|  |        |           |               |   |  |          |     |     |
|--|--------|-----------|---------------|---|--|----------|-----|-----|
| Not in Stock - Procurement in Progress | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in stock                           | Medium | TBD       | TBD           | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | High   | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015      | N |  | In Stock | N/A | Low |
| Not in stock                           | Medium | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Low    | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Low    | 2 weeks   | Late Dec 2014 | N |  | In Stock | N/A | Low |
| Not in stock - Procurement in Progress | Medium | TBD       | TBD           | N |  | In Stock | N/A | Low |

|  |        |           |          |   |   |          |     |     |
|--|--------|-----------|----------|---|---|----------|-----|-----|
| Not in Stock - Procurement in Progress | High   | TBD       | TBD      | N |   | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015 | N |   | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015 | N |   | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015 | N |   | In Stock | N/A | Low |
| Not in Stock - Procurement in Progress | Medium | 4-6 weeks | Jan 2015 | N |   | In Stock | N/A | Low |
| In stock                               | Medium | TBD       | TBD      | N |   | In stock | N/A | Low |
| In stock                               | Low    |           |          | N | Switches replaced, specification changed. | In stock | N/A | Low |



## **Appendix G**

Critical Spares Status Listing – Hydraulic Generation



| Critical Spare Component  | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|---|--------------|------------|----------------------|----------|
| BDE - INTAKE STRUCTURE NO. 1 - TRANSMITTER,PRESS 0-6MH20          | In Stock     | MEDIUM     | NO                   |          |
| BDE - PENSTOCK NO. 1 - TRANSMITTER,PRESS 0-375                    | In Stock     | MEDIUM     | NO                   |          |
| BDE - PENSTOCK NO. 2 - TRANSMITTER,PRESS 0-375                    | In Stock     | MEDIUM     | NO                   |          |
| BDE - PENSTOCK NO. 3 - TRANSMITTER,PRESS 0-375                    | In Stock     | MEDIUM     | NO                   |          |
| BDE - PENSTOCK NO. 4 - TRANSMITTER,PRESS 0-375                    | In Stock     | MEDIUM     | NO                   |          |
| BDE - TURBINE - Turbine Carbon Seal (Units 1 to 4)                | In Stock     | HIGH       | NO                   |          |
| BDE - TURBINE - Turbine Carobn Seal (Units 5 & 6)                 | In Stock     | HIGH       | NO                   |          |
| BDE - WICKET GATES AND LINKAGES - Shear Pins                      | In Stock     | MEDIUM     | NO                   |          |
| BDE - WICKET GATES AND LINKAGES - PACKING,V TYPE 2-EASY           | In Stock     | MEDIUM     | NO                   |          |
| BDE - WICKET GATES AND LINKAGES - PIN,ECCENTRIC                   | In Stock     | MEDIUM     | NO                   |          |
| BDE - WICKET GATES AND LINKAGES - RING,PISTON SERVO MOTOR 18"OD   | In Stock     | HIGH       | NO                   |          |
| BDE - ISOLATED PHASE BUS - XFMR,CT 13.8KV                         | In Stock     | HIGH       | NO                   |          |
| BDE - ISOLATED PHASE BUS - XFMR,CT 1000:                          | In Stock     | HIGH       | NO                   |          |
| BDE - ISOLATED PHASE BUS - XFMR,PT 14400KV                        | In Stock     | HIGH       | NO                   |          |
| BDE - ISOLATED PHASE BUS - XFMR,CT 30332313                       | In Stock     | HIGH       | NO                   |          |
| BDE - ISOLATED PHASE BUS - XFMR,CT 800:5                          | In Stock     | HIGH       | NO                   |          |
| BDE - ISOLATED PHASE BUS - CT 50/51                               | In Stock     | HIGH       | NO                   |          |
| BDE - GATE HOIST - BAY D'ESPOIR - ST - Remote I/O Adapter         | In Stock     | MEDIUM     | NO                   |          |
| BDE - HEADCOVER ASSEMBLY - UNIT 1 - BUSHING,UPPER HEAD COVER P003 | In Stock     | HIGH       | NO                   |          |
| BDE - HEADCOVER ASSEMBLY - UNIT 1 - BUSHING,UPPER WICKET          | In Stock     | HIGH       | NO                   |          |
| BDE - RUNNER - UNIT 1 - BOLT,SHAFT TO RUNNER                      | In Stock     | HIGH       | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,ANALOG QUANTUM          | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,CPU MODICON             | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,DISCRETE IN             | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,DISCRETE OUT            | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,ETHERNET QUANTUM        | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,GPS QUANTUM             | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,HOT STANDBY             | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,INTERFACE PLC           | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,RACK FILLER             | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - MODULE,RELAY OUT               | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - POWER SUPPLY, 125-24 VDC       | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,125 VDC           | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,125VDC 8A         | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,24 VDC            | In Stock     | MEDIUM     | NO                   |          |

| Critical Spare Component  | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|---|--------------|------------|----------------------|----------|
| BDE - PLC,Model Quantum- Modicon - REMOTE I/O HEAD,MODICON          | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - ADAPTER,REMOTE I/O               | In Stock     | MEDIUM     | NO                   |          |
| BDE - PLC,Model Quantum- Modicon - BACKPLANE,10 SLOT MODICON        | In Stock     | MEDIUM     | NO                   |          |
| BDE - STATION SERVICE - BDE PH1 - ACB                               | In Stock     | HIGH       | NO                   |          |
| BDE - STATION SERVICE - BDE PH1 - Trip Unit - Breker control device | In Stock     | HIGH       | NO                   |          |
| BDE - ROTOR SHAFT - Rotating Ring                                   | In Stock     | HIGH       | TBD                  |          |
| BDE - STATOR ASSEMBLY - BAR,COPPER 1/2"X2"X10'                      | In Stock     | HIGH       | NO                   |          |
| BDE - STATOR ASSEMBLY - BAR,ROTOR CONNECTION                        | In Stock     | HIGH       | NO                   |          |
| BDE - STATOR ASSEMBLY - BAR,ROTOR CONNECTION                        | In Stock     | HIGH       | NO                   |          |
| BDE - STATOR ASSEMBLY - BAR,STATOR                                  | In Stock     | HIGH       | TBD                  |          |
| BDE - STATOR ASSEMBLY - BAR,STATOR                                  | In Stock     | HIGH       | TBD                  |          |
| BDE - SPILLWAY #1-SALMON RIVE - Lift gearboxes/nuts                 | In Stock     | HIGH       | NO                   |          |
| BDE - INTAKE GATE - BACKPLANE,6 SLOT MODICON                        | In Stock     | MEDIUM     | NO                   |          |
| BDE - DISCONNECT SWITCH 29-1 - Complete Unit                        | In Stock     | HIGH       | YES                  |          |
| BDE - Generator SLIPRING/BRUSH RIGGING - Carbon Brushes             | In Stock     | MEDIUM     | NO                   |          |
| BDE - Generator SLIPRING/BRUSH RIGGING - Brush Holders              | In Stock     | MEDIUM     | NO                   |          |
| BDE - Generator SLIPRING/BRUSH RIGGING - Slip Ring                  | In Stock     | HIGH       | YES                  |          |
| BDE - TURBINE GUIDE BEARING - Bearing                               | In Stock     | HIGH       | YES                  |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE200130R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE205011R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE205012R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE205014R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE300661R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE300686R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE300690R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE300698R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE300766R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE305043R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE305069R0001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE30598R1                    | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - CARD,ABB HIEE401481RD001                | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - COIL,ABB HIER464920P1                   | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - MAINBOARD,ABB HIER465176R22             | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - POWER SUPPLY,TRACO HIER46651-           | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - POWER SUPPLY,TRACO HIER46651-           | In Stock     | HIGH       | NO                   |          |

| Critical Spare Component  | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|---|--------------|------------|----------------------|----------|
| BDE - EXCITATION CONTROLS - RESISTOR, FIELD DISCHARGE                           | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - SHUNT, ABB UXAB269330R909                           | In Stock     | HIGH       | NO                   |          |
| BDE - EXCITATION CONTROLS - VARISTOR, ABB 3ACD5245A003                          | In Stock     | HIGH       | NO                   |          |
| BDE - FIELD BREAKER QO2 - PANEL EE - BREAKER, ABB HIER466757P2331 (entire unit) | In Stock     | HIGH       | NO                   |          |
| BDE - FIELD BREAKER QO2 - PANEL EE - SHUNT, ABB UXAB269350R909                  | In Stock     | HIGH       | NO                   |          |
| BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT, ABB UXAB239Z60R002                | In Stock     | HIGH       | NO                   |          |
| BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT, ABB UXAB239299R0003               | In Stock     | HIGH       | NO                   |          |
| BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT, ABB UXAB269399R032                | In Stock     | HIGH       | NO                   |          |
| BDE - FIELD BREAKER QO2 - PANEL EE - ARC-CHUTE, ABB UXAB269399R012              | In Stock     | HIGH       | NO                   |          |
| BDE - GENERATOR - CREEP DETECTOR ASSY, 129 VCD                                  | In Stock     | HIGH       | NO                   |          |
| BDE - GENERATOR - PLATES, BRAKE (24 PER SET)                                    | In Stock     | HIGH       | NO                   |          |
| BDE - GENERATOR - SWITCH, WOODWARD 8935-139                                     | In Stock     | HIGH       | NO                   |          |
| BDE - Exciter POWER ELECTRONICS - Pulse Transformers                            | In Stock     | MEDIUM     | NO                   |          |
| BDE - Exciter POWER ELECTRONICS - BRIDGE, ABB S00772                            | In Stock     | HIGH       | NO                   |          |
| BDE - Exciter POWER ELECTRONICS - FUSE, ABB 6,6URD32TTF0800                     | In Stock     | MEDIUM     | NO                   |          |
| BDE - Exciter POWER ELECTRONICS - FAN ASSY, ABB 500773                          | In Stock     | HIGH       | NO                   |          |
| BDE - Exciter POWER ELECTRONICS - THYRISTOR, ABB 5STP27F1200                    | In Stock     | HIGH       | NO                   |          |
| BDE - RECTIFYING TRANSFORMER - Full Unit  | In Stock     | HIGH       | YES                  |          |
| BDE - SURFACE AIR COOLERS - SAC Unit  | In Stock     | MEDIUM     | TBD                  |          |
| BDE - SURFACE AIR COOLERS - Tubes   | In Stock     | MEDIUM     | NO                   |          |
| BDE - THRUST/GUIDE BEARING COOLERS - Cooler                                     | In Stock     | HIGH       | YES                  |          |
| BDE - ROTOR POLES - Pole  | In Stock     | HIGH       | TBD                  |          |
| BDE - STATOR WINDINGS - UNIT 1 - CONNECTOR, STATOR CU                           | In Stock     | HIGH       | NO                   |          |
| BDE - STATOR WINDINGS - UNIT 1 to 4 - Coils                                     | In Stock     | HIGH       | TBD                  |          |
| BDE - THRUST/GUIDE BEARING ASSEMBLY - Springs                                   | In Stock     | HIGH       | NO                   |          |
| BDE - THRUST/GUIDE BEARING ASSEMBLY - Oil                                       | In Stock     | MEDIUM     | NO                   |          |
| BDE - THRUST/GUIDE BEARING ASSEMBLY - TRANSMITTER, DIFF                         | In Stock     | MEDIUM     | NO                   |          |
| BDE - GOVERNOR - BEARING, DASHPOT LINK  | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - BRACKET, WOODWARD 11002-57                                     | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - BRACKET, WOODWARD 91588  | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - BUSHING, PILOT VALVE   | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - BUSHING, SNAP ACTION   | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - BUSHING, WW 11002-65   | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - BUSHING, DASHPOT - SMALL                                       | In Stock     | HIGH       | NO                   |          |

| Critical Spare Component                      | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|---|--------------|------------|----------------------|----------|
| BDE - GOVERNOR - BUSHING, DASHPOT - LARGE     | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - CABLE,AIRCRAFT 1/4 187083    | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - CLIP,WW 11002-16             | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - COIL,DASHPOT                 | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - COIL,PARTIAL SHUTDOWN RESET  | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - COIL,SHUTDOWN SOLENOID       | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - COIL,SHUTDOWN SOLENOID 65SD  | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - COIL,WW 202132               | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - CONTACT,CONTACTOR-TYPE DG-   | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - DASHPOT,WW 161314            | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - DIODE,WW 202891              | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - DISC,RELIEF VALVE            | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - DISC,UNLOADER                | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - GASKET KIT,WOODWARD 8926-137 | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - GASKET,WOODWARD 1327-816     | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - GASKET,WOODWARD 206317       | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - LEVER,CONNECTING LOWER       | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - LEVER,LOWER FLOATING         | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - LEVER,UPPER FLOATING         | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - LINK,WOODWARD 070346         | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - LOCKWASHER,BEARING           | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - MOTOR ASSY,C/W SHAFT & GEAR  | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - MOTOR ASSY,GATE LIMIT        | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - MOTOR,GOVERNOR SPEED 28 VOLT | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - MOTOR,SYNCHRONIZING          | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - MOTOR, VIBRATING OIL         | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - FILTER,HYD 932633Q           | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - PIN,BALLARM                  | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - PIN,DASHPOT                  | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - PIN,LOWER DRIVE              | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - PIN,PIVOT                    | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - PIN,WOODWARD 11002-71        | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - PIN,WOODWARD 11002-75        | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - PLUNGER,SNAP ACTION          | In Stock     | HIGH       | NO                   |          |
| BDE - GOVERNOR - POTENTIOMETER,1250OH 0.24A   | In Stock     | HIGH       | NO                   |          |

| Critical Spare Component   | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|--|--------------|------------|-------------------------|----------|
| BDE - GOVERNOR - PUMP,OIL IMO A3DB-275                                     | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - RETAINER,SWITCH   | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - RING,SNAP (PILOT SERVO PLUG)                              | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - ROTOR,BALL HEAD MOTOR                                     | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - SOLENOID,125 V DC   | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - SOLENOID,125VDC 211E                                      | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - SPRING,PILOT VALVE LINK                                   | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - SPRING,RELIEF   | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - SPRING,UNLOADER   | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - STATOR,BALL HEAD MOTOR                                    | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR - SWITCH,PRESS OIL ALARM                                    | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BEARING,SPEED SIGNAL                      | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BUSHING, OILITE OVERSPEED SWITCH ASSEMBLY | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - PIN,DOWEL - SPEED SWITCH                  | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - PLATE,MOUNTING - MERCURY                  | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - RING,ROTOR                                | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - PIN,ROCKER ARM                            | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BEARING,WW 1800125                        | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BEARING,WW 111006                         | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BEARING,PMG P/N Z995205                   | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - PIN,BALLARM                               | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BUSHING,URETHANE UPPER D                  | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BUSHING,URETHANE LOWER D                  | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - BALLARM,SPEED SWITCH                      | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - PIN,TAPERED                               | In Stock     | MEDIUM     | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - SPRING,SPEED SWITCH                       | In Stock     | HIGH       | NO                      |          |
| BDE - GOVERNOR SPEED GENERATOR - STATOR,P.M.G.                             | In Stock     | HIGH       | NO                      |          |
| BDE - GUIDE BEARING SEGMENTS - bearing segments,                           | In Stock     | HIGH       | YES                     |          |
| BDE - THRUST BEARING SEGMENTS - bearing segments,                          | In Stock     | HIGH       | YES                     |          |
| BDE - UNIT 7 GOVERNOR - FILTER,HYD 932633Q                                 | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PIN,BALLARM  | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PIN,DASHPOT  | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PIN,LOWER DRIVE                                    | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PIN,PIVOT  | In Stock     | HIGH       | N/A                     |          |

| Critical Spare Component  | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|---|--------------|------------|-------------------------|----------|
| BDE - UNIT 7 GOVERNOR - PIN,ROCKER ARM                          | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PIN,WOODWARD 11002-71                   | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PIN,WOODWARD 11002-75                   | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PLUNGER,SNAP ACTION                     | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - POTENTIOMETER,1250OH 0.24A              | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - PUMP,OIL IMO A3DB-275                   | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - RETAINER,SWITCH                         | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - RING,SNAP (PILOT SERVO PLUG)            | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - ROTOR,BALL HEAD MOTOR                   | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - SENSOR,LOAD GOVERNOR                    | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - SOLENOID,125 V DC                       | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - SOLENOID,125VDC 211E                    | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - SPRING,PILOT VALVE LINK                 | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - STATOR,BALL HEAD MOTOR                  | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - SWITCH,PRESS OIL ALARM                  | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - STATOR,PERMANENT MAGNET                 | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 GOVERNOR - SPRING,SPEED SWITCH                     | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 TURBINE - Carbon Seal                              | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 TURBINE - wicket gate                              | In Stock     | HIGH       | N/A                     |          |
| BDE - UNIT 7 TURBINE - turbine bearing                          | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 DRAFT TUBE-TURBINE - Water Level Probe             | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 HEADCOVER ASSEMBLY - BOTTOM RING P001 bushing      | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 HEADCOVER ASSEMBLY - BUSHING,LOWER HEAD COVER P001 | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 HEADCOVER ASSEMBLY - PACKING,V-TYPE 3/8 EASY       | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 OPERATING RING - Linkage                           | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 OPERATING RING - BUSHING,LINK PIN                  | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 OPERATING RING - CAP,SHEARPIN                      | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 OPERATING RING - PIN,ECCENTRIC P005                | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 OPERATING RING - PIN,LINK P006                     | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 OPERATING RING - PIN,ROD SHEARPIN                  | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 OPERATING RING - PIN,UPPER DRIVE                   | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 OPERATING RING - LEVER,WICKET GATE                 | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 ROTOR ASSEMBLY - POLE                              | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 RUNNER - TURBINE - CARBON SEAL                     | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 SERVOMOTOR # 1 - Piston Ring                       | In Stock     | HIGH       | N/A                     |          |

| Critical Spare Component   | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|--|--------------|------------|-------------------------|----------|
| BDE - Unit 7 SERVOMOTOR # 1 - PACKING,SERVOMOTOR                   | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 SERVOMOTOR # 1 - PACKING,V TYPE 2-EASY                | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 SERVOMOTOR # 1 - PACKING,V-TYPE 9"X8"ID               | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - BOARD,DIGITAL I/O                           | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - BOARD,I/O ANALOG                            | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - BOARD,MEASURING ABB                         | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - BOARD,POWER SYSTEM STABI                    | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - CAPACITOR,20 MF +-10% 150 V                 | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - COMPONENT, INTEG CCT                        | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - INTEG CCT                                   | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - CONTACT,ISOLATING                           | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - MODULE,ABB DCS500B200361                    | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - PANEL,CONTROL                               | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - POWER SUPPLY,ABB 3BHE013940R00              | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 EXCITER - RELAY,GROUND VOLTAGE                        | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - Main Moving Contacts        | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - Main Fixed Contacts         | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - COIL,SHUNT CLOSING          | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - COIL,SHUNT OPENING          | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - Charging Motor              | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - BREAKER,ABB EZNE1600MS4-B1  | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - ARC CHUTE,ABB UXAB289199215 | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - MOTOR,CHARGING              | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Generator Field Breaker - CONTACT,ABB UXAB239Z60R0    | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 Control Board - BOARD,CONTROL                         | In Stock     | MEDIUM     | N/A                     |          |
| BDE - UNIT 7 HYDRAULIC GENERATOR - coolers                         | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 PMG - BEARING,SPEED SIGNAL                            | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 PMG - BUSHING, OILITE OVERSPEED SWITCH ASSEMBLY       | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 PMG - PIN,DOWEL - SPEED SWITCH                        | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 PMG - PLATE,MOUNTING - MERCURY                        | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 PMG - RING,ROTOR                                      | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 PMG - PIN,ROCKER ARM                                  | In Stock     | HIGH       | N/A                     |          |
| BDE - Unit 7 PMG - BEARING,WW 1800125                              | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 PMG - BEARING,WW 111006                               | In Stock     | MEDIUM     | N/A                     |          |
| BDE - Unit 7 PMG - BEARING,PMG P/N Z995205                         | In Stock     | MEDIUM     | N/A                     |          |

| Critical Spare Component                                       | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|--|--------------|------------|----------------------|----------|
| BDE - Unit 7 PMG - PIN,BALLARM                                 | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 PMG - BUSHING,URETHANE UPPER D                    | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 PMG - BUSHING,URETHANE LOWER D                    | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 PMG - BALLARM,SPEED SWITCH                        | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 PMG - PIN,TAPERED                                 | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 PMG - SPRING,SPEED SWITCH                         | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 PMG - STATOR,P.M.G.                               | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 VIBRATION MONITORING - PICK-UP,NON-CONTACT        | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 VIBRATION MONITORING - PICK-UP,SPEED SENSING      | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 VIBRATION MONITORING - POWER SUPPLY,IRD PCB 29128 | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 GENERATOR COOLING WATER SYSTEM - TRANSMITTER,DIFF | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 WICKET GATES - GATE, WICKET                       | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 SLIPRING/BRUSH RIGGING - Collector rings          | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 SLIPRING/BRUSH RIGGING - Brushes                  | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 SURFACE AIR COOLERS - Tubes                       | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 THRUST/GUIDE BEARING COOLERS - Coolers            | In Stock     | HIGH       | YES                  |          |
| BDE - Unit 7 NEUTRAL GROUND TRANSFORMER - transformer          | In Stock     | MEDIUM     | N/A                  |          |
| BDE - Unit 7 ROTOR - Pole                                      | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 STATOR WINDINGS - Stator Bars                     | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 STATOR WINDINGS - Wedges                          | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 TURBINE GUIDE BEARING - bearing                   | In Stock     | HIGH       | YES                  |          |
| BDE - Unit 7 GENERATOR GUIDE BEARING - segments                | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 THRUST BEARING - Thrust Pads                      | In Stock     | HIGH       | N/A                  |          |
| BDE - Unit 7 THRUST BEARING - Rotating Ring                    | In Stock     | HIGH       | N/A                  |          |
| BDE - PANEL STATION SERVICE - PH #2 - ACB                      | In Stock     | HIGH       | YES                  |          |
| CAT - ACCUMULATOR TANK - COIL AUTO AIR CHARGING SOLND          | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - CABLE DEFLECTOR FDBK AMP       | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - CABLE FEEDBACK 20'             | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - CABLE FEEDBACK 200'            | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - CABLE FEEDBACK 50'             | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - CABLE,NEEDLE FDBK AMP,         | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - CABLE PROPORTIONAL VLV         | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - CABLE90 DEG.5' ZVPU,           | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Control System - Power Supply                   | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Governor Control System - Power Supply 24V               | In Stock     | MEDIUM     | N/A                  |          |

| Critical Spare Component                                   | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|--|--------------|------------|----------------------|----------|
| CAT - Governor - JOINT,UNIVERSAL SSG #1787058              | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - Tip                           | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - Shuttle Valve                 | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - CONNECTOR, MINIATURE CHAIN    | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - Casing guide U/S              | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - Casing guide D/S              | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - Needle seat                   | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - BUSHING NOZZLE 374527007/P001 | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - CABLE AIRCRAFT,               | In Stock     | MEDIUM     | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - CABLE AIRCRAFT 20,            | In Stock     | MEDIUM     | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - CHAIN,DBS FCS-A1-15           | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - CONTROL DEVICE,NEEDLE         | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - CONNECTOR, MINIATURE CHAIN    | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - Amplifer/proportional         | In Stock     | HIGH       | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - seal piston ring              | In Stock     | MEDIUM     | N/A                  |          |
| CAT - NEEDLE VALVE ASS (6) - Seal                          | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Electronic Governor - BUSHING CABLE PROP VLV,        | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - CONNECTOR,MLDT ROD BALL        | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - CONVERTER,SERIAL/ETHERNET      | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - HOLDER,CIRCUIT BREAKER         | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - INTERFACE,ETHERNET VERSA       | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - MODULE,GE AMPLIFIER            | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - MODULE,GE PT INTERFACE         | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - MODULE,PLUG-IN DIODE           | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - MODULE,VERSAMAX 16 PT          | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - MODULE,VERSAMAX 32 PT          | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - MODULE,VERSAMAX 4 AO           | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - PC,ATLAS VX WORKS              | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - VERSAMAX powersupply           | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - PROBE,SPEED ZVPU               | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - RELAY,14 PIN PLUG 24VDC        | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - LVDT deflector                 | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - Pos.Xducer                     | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - POs.Xducer                     | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - Deflector proportional         | In Stock     | HIGH       | N/A                  |          |

| Critical Spare Component                                | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|---|--------------|------------|----------------------|----------|
| CAT - Electronic Governor - Rod vdeflector              | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - PC, Atlas 2                 | In Stock     | HIGH       | N/A                  |          |
| CAT - Electronic Governor - Guide Ball Slide            | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Hydraulics - ELEMENT,FILTER SM 10        | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Governor Hydraulics - ELEMENT,FILTER SM 25        | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Governor Hydraulics - DEFLECTOR,SERVOMOTOR        | In Stock     | HIGH       | YES                  |          |
| CAT - Governor Hydraulics - PLUG,C/V 010168-390-163     | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Hydraulics - PLUG,C/V 021002-281-208     | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Hydraulics - PLUG,ESCHER WYSS            | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Hydraulics - Deflector valve             | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Hydraulics - Piston seal 725X8 X3/8      | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Governor Hydraulics - Piston seal 9X8X1/2         | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Governor Hydraulics - Seal                        | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Governor Hydraulics - Pressure Switch             | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Governor Hydraulics - OIL,TURBINE 46 (205L)       | In Stock     | MEDIUM     | N/A                  |          |
| CAT - POWER TUNNEL (ROCKCUT) - Seal, Adit Door          | In Stock     | HIGH       | N/A                  |          |
| CAT - ROTOR - GENERATOR - Pole                          | In Stock     | HIGH       | N/A                  |          |
| CAT - Turbine - Runner                                  | In Stock     | HIGH       | N/A                  |          |
| CAT - GENERATOR - MODULE,TYP 1CD 108 M 2-02 vibro-meter | In Stock     | MEDIUM     | N/A                  |          |
| CAT - GENERATOR - OVERCURRENT relay                     | In Stock     | MEDIUM     | N/A                  |          |
| CAT - GENERATOR - RELAY,TIME DELAY .6 - 1.0             | In Stock     | MEDIUM     | N/A                  |          |
| CAT - GENERATOR - rotating ring                         | In Stock     | HIGH       | N/A                  |          |
| CAT - GENERATOR - INSLTR,SLIP RING                      | In Stock     | MEDIUM     | N/A                  |          |
| CAT - GENERATOR - Brake ring                            | In Stock     | HIGH       | N/A                  |          |
| CAT - GENERATOR - Brake valve                           | In Stock     | HIGH       | N/A                  |          |
| CAT - GENERATOR - Brake Solenoid                        | In Stock     | HIGH       | N/A                  |          |
| CAT - Isolated Phase Bus - PT fuse                      | In Stock     | MEDIUM     | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - COIL,CLOSING 129 V DC    | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - Arc Chute                | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - Trip Coil                | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - Main Drawout Contact     | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - Contact Moving Arc       | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - Contat Stationary Arc    | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - Undervoltage Coil        | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - Contact 1600Amp          | In Stock     | HIGH       | N/A                  |          |

| Critical Spare Component                        | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|---|--------------|------------|----------------------|----------|
| CAT - STATION SERVICE SYSTEM - CT 400-800       | In Stock     | HIGH       | N/A                  |          |
| CAT - STATION SERVICE SYSTEM - CT 800-1600      | In Stock     | HIGH       | N/A                  |          |
| CAT - SURFACE AIR COOLERS - Surface Air Cooler  | In Stock     | HIGH       | N/A                  |          |
| CAT - Generator Bearing - Cooler                | In Stock     | HIGH       | YES                  |          |
| CAT - Stator Assembly - BAR STATOR BOTTOM,      | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - BAR STATOR TOP,         | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - CAP STATOR WINDING END, | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - JUMPER,STATOR ASM 105   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - JUMPER,STATOR ASM 107   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - JUMPER,STATOR ASM 108   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - JUMPER,STATOR ASM 109   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - JUMPER,STATOR WINDING   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - JUMPER,STATOR WINDING   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - JUMPER,STATOR WINDING   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - Wedge                   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - Wedge                   | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - Connector               | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - Slider                  | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - Slider                  | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Assembly - Slider                  | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - COIL,SHUNT CLOSING          | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - COIL,SHUNT OPENING          | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - CONTACT,ISOLATING           | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - MODULE,THYRISTOR BRIDGE     | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - SUPPLY,110-220 VOLT         | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - Breaker                     | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - Arc Chute                   | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - Control Board               | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - I/O ANALOG BOARD CONTROL,   | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - DIGITAL I/O BOARD,          | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - PANEL,CONTROL               | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - BOARD POWER SYSTEM STABI,   | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - BOARD MEASURING,            | In Stock     | HIGH       | N/A                  |          |
| CAT - Exciter # 1 - MOTOR,CHARGING              | In Stock     | HIGH       | N/A                  |          |
| CAT - EXCITER NO. 2 - CONTROL BOARD,            | In Stock     | HIGH       | N/A                  |          |

| Critical Spare Component                                     | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|--|--------------|------------|-------------------------|----------|
| CAT - EXCITER NO. 2 - CARD ABB HIER319619R2,                 | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB KX9170A V1,                   | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN 2010B-P,                   | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UNC001D-E,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UNS0026A-P,                   | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD\ ABB UN0014B-P,                   | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0016A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0025A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0026A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0027A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0031A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN004A-P,                     | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0079A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0083A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0089A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0091A-P,CARD ABB UN0093A-P, | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0503A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - Unitrol Card                           | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - Thyristor                              | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - Transformer                            | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - Field Voltage Transducer               | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - Shunt Voltage Transducer               | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - Analog Input Transducer                | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - Fuse 600Amp                            | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0510C-9,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0516A,                      | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0900B-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN0901B-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN1001C-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN1004A-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - COIL,SHUNT CLOSING                     | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - COIL,125 VOLT 60HZ                     | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD\ ABB UN1004A-P,                   | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB UN1024C-P,                    | In Stock     | HIGH       | N/A                     |          |
| CAT - EXCITER NO. 2 - CARD ABB 1WX 174-2,                    | In Stock     | HIGH       | N/A                     |          |

| Critical Spare Component   | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|--|--------------|------------|----------------------|----------|
| CAT - EXCITER NO. 2 - CARD BBC UN0077AP,   | In Stock     | HIGH       | N/A                  |          |
| CAT - EXCITER NO. 2 - CARD,BBC UN2001F-P   | In Stock     | HIGH       | N/A                  |          |
| CAT - BREAKERS BY BROWN BOVERI, 600V - spare field breaker in used spare exciter | In Stock     | HIGH       | N/A                  |          |
| CAT - Slipring/brush Rigging Assembly - Ring, Collector Assembly                 | In Stock     | HIGH       | N/A                  |          |
| CAT - Slipring/brush Rigging Assembly - Brushes                                  | In Stock     | MEDIUM     | N/A                  |          |
| CAT - Slipring/brush Rigging Assembly - Brush Holder                             | In Stock     | HIGH       | N/A                  |          |
| CAT - Slipring/brush Rigging Assembly - Insulator                                | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Pumps - Pump  | In Stock     | HIGH       | N/A                  |          |
| CAT - Governor Pumps - INSERT,CURVED JAW SPIDER                                  | In Stock     | HIGH       | N/A                  |          |
| CAT - Rotor Poles - Entire Pole  | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Windings - JUMPER,STATOR ASM 105                                    | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Windings - JUMPER,STATOR ASM 107                                    | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Windings - JUMPER,STATOR ASM 108                                    | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Windings - JUMPER,STATOR ASM 109                                    | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Windings - JUMPER,STATOR WINDING                                    | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Windings - JUMPER,STATOR WINDING                                    | In Stock     | HIGH       | N/A                  |          |
| CAT - Stator Windings - JUMPER,STATOR WINDING                                    | In Stock     | HIGH       | N/A                  |          |
| CAT - THRUST BEARING - thrust pads   | In Stock     | HIGH       | N/A                  |          |
| CAT - Turbine Guide Bearing - Bearing  | In Stock     | HIGH       | N/A                  |          |
| CAT - Guide Bearing Segments - Bearing   | In Stock     | HIGH       | N/A                  |          |
| CAT - Thrust Bearing Segements - Segments  | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - PUMP UNLOADER,                                 | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - COILDASHPOT,                                   | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - COIL OIL PUMP UNLOADER SOLND. ,                | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - COIL PARTIAL SHUTDOWN RESET ,                  | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - COIL SHUTDOWN SOLENOID 65SD ,                  | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - COIL RESET SOLENOID ,                          | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - WOODWARD 1447- 634,motor                       | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - WOODWARD 1447-640,MOTOR                        | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - GATE LIMIT,ROD,                                | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - UNLOADER PISTON,                               | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR HYDRAULIC SYSTEM - filter   | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR ACCUMULATOR TANK - SWITCH PRESS OIL ALARM,                        | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR ACCUMULATOR TANK - Air admission solenoid                         | In Stock     | HIGH       | N/A                  |          |

| Critical Spare Component                                   | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|--|--------------|------------|----------------------|----------|
| HLK - GOVERNOR SPEED GENERATOR - GEAR,WOODWARD 1447-640    | In Stock     | HIGH       | N/A                  |          |
| HLK - GOVERNOR SPEED GENERATOR - gear drive                | In Stock     | HIGH       | N/A                  |          |
| HLK - MECHANICAL GOVERNOR CONTROLS - Motor limit           | In Stock     | HIGH       | N/A                  |          |
| HLK - MECHANICAL GOVERNOR CONTROLS - Motor speeder         | In Stock     | HIGH       | N/A                  |          |
| HLK - MECHANICAL GOVERNOR CONTROLS - Unloader timing valve | In Stock     | HIGH       | N/A                  |          |
| HLK - OPERATING RING - Bearing pads                        | In Stock     | HIGH       | N/A                  |          |
| HLK - SERVOMOTOR #1 - servomotor repair kit                | In Stock     | HIGH       | N/A                  |          |
| HLK - SERVOMOTOR ASSEMBLY - shear pins                     | In Stock     | HIGH       | N/A                  |          |
| HLK - Rotor Assembly - HLK Generator - Rotor pole          | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Carbon seal,                               | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - BEARING SEGMENT TURBINE,                   | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - PLATE BEARING,                             | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - SEAL TURBINE,                              | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Wicket gate lever                          | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Friction hub                               | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Friction hub                               | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Packing box                                | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - link thin                                  | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - link thick                                 | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - wicket gate seal                           | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Dowel                                      | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Link pin                                   | In Stock     | HIGH       | N/A                  |          |
| HLK - TURBINE - Eccentric pin                              | In Stock     | HIGH       | N/A                  |          |
| HLK - WICKET GATES - wicket gate                           | In Stock     | HIGH       | N/A                  |          |
| HLK - GENERATOR - brake shoes                              | In Stock     | HIGH       | N/A                  |          |
| HLK - GENERATOR - SOLENOID,GENERATOR AIR VALVE,            | In Stock     | HIGH       | N/A                  |          |
| HLK - GENERATOR - Generator air valve                      | In Stock     | HIGH       | N/A                  |          |
| HLK - HEADCOVER ASSEMBLY - SEAL TURBINE,                   | In Stock     | HIGH       | N/A                  |          |
| HLK - HEADCOVER ASSEMBLY - SEALWICKET GATE,                | In Stock     | HIGH       | N/A                  |          |
| HLK - HEADCOVER ASSEMBLY - BUSHING 60X75 MM,               | In Stock     | HIGH       | N/A                  |          |
| HLK - HEADCOVER ASSEMBLY - BUSHING GATE STEM - LOWER,      | In Stock     | HIGH       | N/A                  |          |
| HLK - HEADCOVER ASSEMBLY - BUSHING GATE STEM - UPPER,      | In Stock     | HIGH       | N/A                  |          |
| HLK - HEADCOVER ASSEMBLY - Bushing upper                   | In Stock     | HIGH       | N/A                  |          |
| HLK - INTAKE HEADGATE AND HOIST EQUIP - Pressure druk      | In Stock     | MEDIUM     | N/A                  |          |
| HLK - STATION SERVICE SWITCHGEAR - Breaker (EATON)         | In Stock     | HIGH       | N/A                  |          |

| Critical Spare Component  | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|---|--------------|------------|-------------------------|----------|
| HLK - Thrust/Guide Bearing Coolers - Hi pressure lift pump        | In Stock     | HIGH       | N/A                     |          |
| HLK - ISOLATED PHASE BUS - PT fuse                                | In Stock     | HIGH       | N/A                     |          |
| HLK - STATOR ASSEMBLY - Stator connection caps                    | In Stock     | HIGH       | N/A                     |          |
| HLK - STATOR ASSEMBLY - Stator bars                               | In Stock     | HIGH       | N/A                     |          |
| HLK - EXCITATION - Bridge (entire module)                         | In Stock     | HIGH       | N/A                     |          |
| HLK - Slipring /Brush Rigging - Carbon brush                      | In Stock     | MEDIUM     | N/A                     |          |
| HLK - Slipring /Brush Rigging - Brush holder                      | In Stock     | HIGH       | N/A                     |          |
| HLK - Rotor - Pole  | In Stock     | HIGH       | N/A                     |          |
| HLK - STATOR WINDINGS - UNIT 1 - robel bars                       | In Stock     | HIGH       | N/A                     |          |
| HLK - TURBINE GUIDE BEARING - BEARING, Segment TURBINE            | In Stock     | HIGH       | N/A                     |          |
| HLK - GUIDE BEARING SEGMENTS (SET) - BEARING,SEGMENT              | In Stock     | HIGH       | N/A                     |          |
| HLK - HD-1N - HINDS LAKE INTAKE - TRANSMITTER,PRESS 0-375         | In Stock     | MEDIUM     | N/A                     |          |
| HLK - THRUST BEARING SEGMENTS (SET) - Thrust Bearing Segments     | In Stock     | HIGH       | N/A                     |          |
| HLK - UPPER GUIDE BEARING SEGMENTS - Upper Guide Bearing Segments | In Stock     | HIGH       | N/A                     |          |
| HLK - IN FRAZIL ICE SYS - INTAKE - TRANSMITTER,TEMPERATURE        | In Stock     | MEDIUM     | N/A                     |          |
| HLK - GOVERNOR SPEED GENERATOR - Speed switch bracket             | In Stock     | HIGH       | NO                      |          |
| GCL - Governor Control System - Pressure Switch                   | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Control System - POWER SUPPLY,18-32VDC             | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Control System - TRANSMITTER,PRESS 0-2000          | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Control System - TRANSMITTER,TEMP 4-20 MA          | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Hydraulic System - Filter, Element NS-7            | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Hydraulic System - Joint, Shaft Parker             | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Hydraulic System - Pump, Vane Vick                 | In Stock     | HIGH       | N/A                     |          |
| GCL - Governor Hydraulic System - Seal, Polypak "U" Cup           | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Hydraulic System - Valve, Relief                   | In Stock     | HIGH       | N/A                     |          |
| GCL - Governor Hydraulic System - Valve, Check 1 6000 psi         | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Governor Hydraulic System - Valve, Proportional             | In Stock     | HIGH       | N/A                     |          |
| GCL - Operating Ring - Washer, Ring Seal                          | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Operating Ring - BUSHING,GE 226043126X015                   | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Servomotor - Rod, Seal H254-918                             | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Servomotor - Rod, Seal H092-730                             | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Servomotor Assembly - Ring, Piston GE                       | In Stock     | HIGH       | N/A                     |          |
| GCL - Speed Signal Generator - Pickup, Zero Velocity              | In Stock     | HIGH       | N/A                     |          |
| GCL - Turbine Assembly - Packing Ring, Segment                    | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Turbine Assembly - Pad, Stop GE                             | In Stock     | HIGH       | N/A                     |          |

| Critical Spare Component                                 | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|--|--------------|------------|-------------------------|----------|
| GCL - Turbine Assembly - Seal, Inflatable                | In Stock     | HIGH       | N/A                     |          |
| GCL - Turbine Assembly - Transmitter, Pressure GE        | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Turbine Assembly - Transmitter, Pressure -5TO55    | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Turbine Assembly - Transmitter, Pressure 0-90 PSIG | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Turbine Assembly - Transmitter, Diff Pressure      | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Turbine Assembly - Ring, Rotating GE               | In Stock     | HIGH       | N/A                     |          |
| GCL - Turbine Assembly - Ring, Sealing C/W Spring        | In Stock     | HIGH       | N/A                     |          |
| GCL - Turbine Assembly - Ring, Wear                      | In Stock     | HIGH       | N/A                     |          |
| GCL - Turbine Assembly - Valve, Check Wafer 12"D         | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Wicket Gates - Bushing, GE 226043126X015           | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Wicket Gates - Gate, Wicket GE                     | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Level, Gate GE                      | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Lever, Shear GE                     | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Liner, Gate Operating               | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Link, GE                            | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Pin, Eccentric                      | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Pin, Shear GE                       | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Pin, Taper GE                       | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Plate, Retaining GE                 | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Plate, Top GE                       | In Stock     | HIGH       | N/A                     |          |
| GCL - Wicket Gates - Shim, Laminum                       | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Wicket Gates - Sleeve, BRS 210mm                   | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Wicket Gates - Spacer                              | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Generator - Top Stator Bars (36)                   | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Bottom Stator Bars (18)                | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Guide Bearing, GE                      | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Converter, RTD Temperature             | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Converter, RTD Universal               | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Creep Detector ASSY, 129 V             | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Device, Surge Suppresion               | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Generator - Fuse, TEMP Limiter                     | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Generator - Fuse, Voltage XFMR                     | In Stock     | MEDIUM     | N/A                     |          |
| GCL - Generator - Jumper, Pole ASM #1                    | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Jumper Pole ASM #2                     | In Stock     | HIGH       | N/A                     |          |
| GCL - Generator - Jumper Pole ASM #3                     | In Stock     | HIGH       | N/A                     |          |

| Critical Spare Component                              | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|---|--------------|------------|----------------------|----------|
| GCL - Generator - Jumper Pole ASM #4                  | In Stock     | HIGH       | N/A                  |          |
| GCL - Generator - Level, Indicator Magnetic           | In Stock     | HIGH       | N/A                  |          |
| GCL - Generator - Oil, Turbine 46 (205L)              | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Generator - Packing, V-Type GE                  | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Generator - Pin, Taper 25MM x 90MM              | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Generator - Plate, Brake GE                     | In Stock     | HIGH       | N/A                  |          |
| GCL - Generator - Plate, Locating Pivoted             | In Stock     | HIGH       | N/A                  |          |
| GCL - Generator - Pole, Wound GE                      | In Stock     | HIGH       | N/A                  |          |
| GCL - Generator - Probe, 741 GE                       | In Stock     | HIGH       | N/A                  |          |
| GCL - Generator - RTD, 12.5" -50-550 DEG              | In Stock     | HIGH       | N/A                  |          |
| GCL - Generator - RTD, 17" -50-550 DEG C              | In Stock     | HIGH       | N/A                  |          |
| GCL - Transmitter, PFM                                | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Transmitter, Temp 4-20 MA                       | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Switch, Press 200 PSI 15A                       | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Switch, 20-160 ABB 104-324-46                   | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Thermometer, ADJ 0-55                           | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Transducer, Balluff Track                       | In Stock     | HIGH       | N/A                  |          |
| GCL - Shim, GE 007                                    | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Shim, GE 008                                    | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Shoe, brake GE 6201B6815L005                    | In Stock     | HIGH       | N/A                  |          |
| GCL - Spring, GE                                      | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Valve, Purge GE                                 | In Stock     | HIGH       | N/A                  |          |
| GCL - Washer, Brake Plate                             | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Washer, GE 105000100                            | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Ring Assy, Collector                            | In Stock     | HIGH       | N/A                  |          |
| GCL - Stick, Joint Horz                               | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Stick, Joint Vert                               | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Switch, Press Actuated                          | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Switch, Press Gran 20W                          | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Seal, Top Guide Bearing                         | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Runner - Seal, 770mm x 730mm x 25mm             | In Stock     | MEDIUM     | N/A                  |          |
| GCL - Surface Air Coolers - Cooler, Surface Air       | In Stock     | HIGH       | N/A                  |          |
| GCL - Thrust/Guide Bearing Coolers - Coil, Cooling GE | In Stock     | HIGH       | YES                  |          |
| BDE - RECTIFYING TRANSFORMER - Insulating Fluid       | In Stock     | MEDIUM     | NO                   |          |
| BDE - ISOLATED PHASE BUS - Surge Capacitor            | In Stock     | HIGH       | NO                   |          |

| Critical Spare Component                            | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments       |
|---|--------------|------------|----------------------|----------------|
| BDE - EXCITATION CONTROLS - Field Flashing Resistor | In Stock     | HIGH       | NO                   |                |
| BDE - UNIT 7 GOVERNOR - Unloader/Relief Valve       | In Stock     | HIGH       | NO                   |                |
| CAT - ACCUMULATOR TANK - Air Admission Valve        | In Stock     | HIGH       | NO                   |                |
| HLK - GOVERNOR ACCUMULATOR TANK - Solenoid valve    | In Stock     | HIGH       | NO                   |                |
| BDE - ISOLATED PHASE BUS - Surge Capacitor          | In Stock     | HIGH       | NO                   |                |
| BDE - EXCITATION CONTROLS - Field Flashing Resistor | In Stock     | HIGH       | NO                   |                |
| BDE - UNIT 7 GOVERNOR - Unloader/Relief Valve       | In Stock     | HIGH       | NO                   |                |
| BDE - TURBINE GUIDE BEARING - oil cooler            | In Stock     | HIGH       | NO                   |                |
| HLK - CIRCUIT BREAKER - Primary disconnect          | In Stock     | HIGH       | NO                   | Item #68001594 |
| HLK - CIRCUIT BREAKER - Charging motor              | In Stock     | HIGH       | NO                   | Item #58608396 |
| HLK - CIRCUIT BREAKER - Motor brush kit             | In Stock     | HIGH       | NO                   | Item #65300060 |
| HLK - CIRCUIT BREAKER - Spring release coil         | In Stock     | HIGH       | NO                   | Item #68001592 |
| HLK - CIRCUIT BREAKER - Shunt trip coil             | In Stock     | HIGH       | NO                   | Item #68001591 |
| HLK - CIRCUIT BREAKER - Anti-pump relay             | In Stock     | HIGH       | NO                   | Item #60101058 |
| CAT - Governor Hydraulics - Cooler                  | In Stock     | HIGH       | NO                   |                |
| CAT - BRAKING JET ASSEMBLY - Control Valve          | In Stock     | HIGH       | TBD                  | Item #58800486 |
| HLK - EXCITER FIELD BREAKER - Entire unit           | In Stock     | HIGH       | TBD                  | Item #68001626 |
| BDE - BDE - PUMP,OIL IMO A3DB-275                   | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - CONTACT,CONTACTOR-TYPE DG-1                   | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - PUMP,OIL IMO A3DB-275                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - CONTACT,CONTACTOR-TYPE DG-1                   | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - SHAFT,SERVOMOTOR 4140                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - PACKING,V TYPE 2-EASY                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - RING,PISTON SERVO MOTOR 18"OD                 | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - SHAFT,SERVOMOTOR 4140                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - PACKING,V TYPE 2-EASY                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - RING,PISTON SERVO MOTOR 18"OD                 | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - SHAFT,SERVOMOTOR 4140                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - PACKING,V TYPE 2-EASY                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - RING,PISTON SERVO MOTOR 18"OD                 | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - SHAFT,SERVOMOTOR 4140                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - PACKING,V TYPE 2-EASY                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - RING,PISTON SERVO MOTOR 18"OD                 | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - SHAFT,SERVOMOTOR 4140                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - PACKING,V TYPE 2-EASY                         | IN STOCK     | MEDIUM     | NO                   |                |
| BDE - RING,PISTON SERVO MOTOR 18"OD                 | IN STOCK     | MEDIUM     | NO                   |                |

| Critical Spare Component            | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|-------------------------------------|--------------|------------|----------------------|----------|
| BDE - BOARD ASSY,IRD 24144          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - CARD,IRD 31649                | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - CARD,PRINTED CIRCUIT          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - CREEP DETECTOR ASSY,129 VCD   | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MONITOR,15" TOUCHSCREEN       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MOTOR,SYNCHRONIZING           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PEN ARM MOVEMENT ASSY,RECORDR | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PICK-UP,MAGNETIC 5430-929     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PICK-UP,NON-CONTACT           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PICK-UP,SPEED SENSING         | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,SPEED           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,1K OH .244 A    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,1250OH 0.24A    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,1250OH 0.24A    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,25W 50 OHMS     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY, 125-24 VDC      | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,IRD PCB 29128    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,125VDC 8A        | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,24 VDC           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,24VDC            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,300W             | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,48VDC 240W       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROBE SYSTEM,CAPACITANCE      | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROBE,CAPACITANCE             | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROCESSOR,MICRO-CENTRAL       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROCESSOR,PLC                 | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROCESSOR,PROG C/W 1772-MJ    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,ADJUSTABLE AC V SENSOR  | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - METER, TEMP DIGITAL           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - BOARD ASSY,IRD 24144          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - CARD,IRD 31649                | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - CARD,PRINTED CIRCUIT          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - CREEP DETECTOR ASSY,129 VCD   | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MONITOR,15" TOUCHSCREEN       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MOTOR,SYNCHRONIZING           | IN STOCK     | MEDIUM     | NO                   |          |

| Critical Spare Component            | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|-------------------------------------|--------------|------------|----------------------|----------|
| BDE - PEN ARM MOVEMENT ASSY,RECORDR | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PICK-UP,MAGNETIC 5430-929     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PICK-UP,NON-CONTACT           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PICK-UP,SPEED SENSING         | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,SPEED           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,1K OH .244 A    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,1250OH 0.24A    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,1250OH 0.24A    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POTENTIOMETER,25W 50 OHMS     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY, 125-24 VDC      | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,IRD PCB 29128    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,125VDC 8A        | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,24 VDC           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,24VDC            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,300W             | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,48VDC 240W       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROBE SYSTEM,CAPACITANCE      | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROBE,CAPACITANCE             | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROCESSOR,MICRO-CENTRAL       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROCESSOR,PLC                 | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PROCESSOR,PROG C/W 1772-MJ    | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,ADJUSTABLE AC V SENSOR  | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - METER, TEMP DIGITAL           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,UNDERVOLTAGE 125VAC     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,INSTANTANEOUS CURRENT   | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,INSTANTANEOUS CURRENT   | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,INSTANTANEOUS CURRENT   | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,OVERCURRENT 1600A 3POLE | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,GROUND VOLTAGE          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - RELAY,LEVEL CONTROL #1001     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - SENSOR,CABLE REEL LINEAR      | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - CABLE,SERIES 925 RESOLVER     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,INTERFACE PLC          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - VALVE,CONT.1/2 4-WAY SS       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - VALVE,CONT.1/2"4-WAY SS       | IN STOCK     | MEDIUM     | NO                   |          |

| Critical Spare Component          | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|-----------------------------------|--------------|------------|-------------------------|----------|
| BDE - VALVE,CONTROL 1" SS         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,CONTROL 2" SS         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,CONTROL 2" SS         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - seal movable                | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - seal stationary             | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,CONT.1/2 4-WAY SS     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,CONT.1/2"4-WAY SS     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,CONTROL 1" SS         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,CONTROL 2" SS         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,CONTROL 2" SS         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - stationary ring             | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - seal statationary           | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - piston U/S                  | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - piston D/S                  | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - PROTRACTOR,ANSUL 423958     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - VALVE,1" THERMAL TRIP       | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - GAS,INERGEN (350F3)         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - GAS,INERGEN (425F3)         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BEARING KIT,IR 32127474     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BELT,V IR 95100160          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BELT,V IR 95100558          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - COIL,AB CC236               | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - GASKET SET,IR 30423339      | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MOTOR,ELECT 15HP 575V       | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - PISTON/PIN ASSY,IR 30215222 | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - PISTON/PIN ASSY,IR 30215438 | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - PISTON/PIN ASSY,IR 30292460 | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BEARING KIT,IR 32127474     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BELT,V IR 95100160          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BELT,V IR 95100558          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - COIL,AB CC236               | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - GASKET SET,IR 30423339      | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MOTOR,ELECT 15HP 575V       | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - PISTON/PIN ASSY,IR 30215222 | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - PISTON/PIN ASSY,IR 30215438 | IN STOCK     | MEDIUM     | NO                      |          |

| Critical Spare Component          | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|-----------------------------------|--------------|------------|-------------------------|----------|
| BDE - PISTON/PIN ASSY,IR 30292460 | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - RING SET,IR 32194144        | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,ANALOG QUANTUM       | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,CPU MODICON          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,DISCRETE IN          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,DISCRETE OUT         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,ETHERNET QUANTUM     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,GPS QUANTUM          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,HOT STANDBY          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,INTERFACE PLC        | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,RACK FILLER          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,RELAY OUT            | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY, 125-24 VDC    | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,125 VDC        | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,125VDC 8A      | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,24 VDC         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - REMOTE I/O HEAD,MODICON     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - ADAPTER,REMOTE I/O          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BACKPLANE,10 SLOT MODICON   | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - CABLE,SERIES 925 RESOLVER   | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,ANALOG QUANTUM       | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,CPU MODICON          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,DISCRETE IN          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,DISCRETE OUT         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,ETHERNET QUANTUM     | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,GPS QUANTUM          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,HOT STANDBY          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,INTERFACE PLC        | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,RACK FILLER          | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,RELAY OUT            | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY, 125-24 VDC    | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,125 VDC        | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,125VDC 8A      | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,24 VDC         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - REMOTE I/O HEAD,MODICON     | IN STOCK     | MEDIUM     | NO                      |          |

| Critical Spare Component            | Stock Status | Risk Score | Spare Cost >\$50,000 | Comments |
|-------------------------------------|--------------|------------|----------------------|----------|
| BDE - ADAPTER,REMOTE I/O            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - BACKPLANE,10 SLOT MODICON     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - FILTER,AIR (ELEMENT ONLY)     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PISTON,PIN ASSY PE#32054504   | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - PISTON,PIN ASSY PE#32054538   | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - COIL,SULL 250018-971          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - FILTER,COOLANT (ELEMENT ONLY) | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - GASKET KIT,IR X1453T47        | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - GASKET,FLEXMASTER 250007-559  | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - GASKET,SULL 040517            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - REGULATOR KIT,SULL 250019-453 | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,ANALOG QUANTUM         | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,CPU MODICON            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,DISCRETE IN            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,DISCRETE OUT           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,ETHERNET QUANTUM       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,GPS QUANTUM            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,HOT STANDBY            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,INTERFACE PLC          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,RACK FILLER            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,RELAY OUT              | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY, 125-24 VDC      | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,125 VDC          | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,125VDC 8A        | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - POWER SUPPLY,24 VDC           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - REMOTE I/O HEAD,MODICON       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - ADAPTER,REMOTE I/O            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - BACKPLANE,10 SLOT MODICON     | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,ANALOG QUANTUM         | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,CPU MODICON            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,DISCRETE IN            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,DISCRETE OUT           | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,ETHERNET QUANTUM       | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,GPS QUANTUM            | IN STOCK     | MEDIUM     | NO                   |          |
| BDE - MODULE,HOT STANDBY            | IN STOCK     | MEDIUM     | NO                   |          |

| Critical Spare Component             | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|--------------------------------------|--------------|------------|-------------------------|----------|
| BDE - MODULE,INTERFACE PLC           | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,RACK FILLER             | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - MODULE,RELAY OUT               | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY, 125-24 VDC       | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,125 VDC           | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,125VDC 8A         | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - POWER SUPPLY,24 VDC            | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - REMOTE I/O HEAD,MODICON        | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - ADAPTER,REMOTE I/O             | IN STOCK     | MEDIUM     | NO                      |          |
| BDE - BACKPLANE,10 SLOT MODICON      | IN STOCK     | MEDIUM     | NO                      |          |
| CAT                                  | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - ARC-CHUTE ABB #15DA045697R1    | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BOARD, CONTROL                 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BOARD, DIGITAL I/O             | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BOARD, I/O ANALOG              | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BOARD, MEASURING ABB           | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BOARD, POWER SYSTEM STABI      | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BREAKER, EXCITER ABB           | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - COIL, SHUNT CLOSING            | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - COIL, SHUNT OPENING            | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - CONTACT,I SOLATING             | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - MODULE, THYRISTOR BRIDGE       | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - MOTOR, CHARGING                | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - PANEL, CONTROL                 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - POWER SUPPLY, 110-220 VOLT     | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RELAY, ASEA RXSF1, RK271 0     | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - MODULE, THYRISTOR BRIDGE       | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RECTIFIER, BRIDGE 250JB6L-8338 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RECTIFIER, BRIDGE 35MB60A-8419 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RECTIFIER, BRIDGE 35MB60A-8421 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - THYRISTOR, ABB CS411-20        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - CONTROLLER,PLC DL05            | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - ELEMENT,AFTER FILTER           | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - ELEMENT,AIR FILTER             | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - ELEMENT,PRE FILTER             | IN STOCK     | MEDIUM     | NO                      |          |

| Critical Spare Component           | Stock Status | Risk Score | Spare Cost<br>>\$50,000 | Comments |
|------------------------------------|--------------|------------|-------------------------|----------|
| CAT - TEXT DISPLAY,AIR DRYER       | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - OIL,TURBINE 46 (205L)        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BEARING, GUIDE               | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - O-RING, NOZZLE M868 X 4      | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - Rotating Ring                | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - Thrust Pads                  | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - Rotating Ring                | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - Rotating Ring                | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - COIL, CONTACTOR 130 V 84D418 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - CONTACT, NORMAL LONG 700C    | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - CONTACT, NORMAL SHORT 700    | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - CONTACT, OVERLAP LONG 700    | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - CONTACT, OVERLAP SHORT 70    | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - SEAL, SPHERICAL VALVE        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - SEAL, SPHERICAL VALVE        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - SEAL, SPHERICAL VALVE        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - OPERATOR,WORM GEAR 8"        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - SWITCH,DIFFERENTIAL PRES     | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BEARING,BOWL - INTERMEDIATE  | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BEARING,BOWL - TOP           | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BEARING,BRIER HYD33A66       | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BEARING,LINESHAFT            | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BEARING,STUFFING BOX         | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BEARING,SUCTION CASE         | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - COLLAR,SAND                  | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - FLOAT - 2315                 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - BELT, V IR 95100558          | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - GASKET SET, IR 30423339      | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - PISTON/PIN ASSY, IR 30215222 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - PISTON/PIN ASSY, IR 30215438 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - PISTON/PIN ASSY, IR 30292460 | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RING SET, IR 32194144        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RING SET, IR 32194276        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RING SET, IR 37138146        | IN STOCK     | MEDIUM     | NO                      |          |
| CAT - RING/GASKET KIT, IR 32133969 | IN STOCK     | MEDIUM     | NO                      |          |