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October 23, 2024

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

Attention: Jo-Anne Galarneau
Executive Director and Board Secretary

Re: Reliability and Resource Adequacy Study Review – 2024–2025 Winter Readiness Planning Report – Revision 1

Please find enclosed Revision 1 of Newfoundland and Labrador Hydro's ("Hydro") 2024–2025 Winter Readiness Planning Report originally filed with the Board of Commissioners of Public Utilities on October 10, 2024.

Hydro has become aware of errors in its initial report. The corrections have been shaded grey for ease of reference.

Should you have any questions, please contact the undersigned.

Yours truly,

NEWFOUNDLAND AND LABRADOR HYDRO

Shirley A. Walsh
Senior Legal Counsel, Regulatory
SAW/rr

Encl.

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Revision History

Revision No.	Revision Date	Location	Reason
1	23-Oct-2024	Sec. 2.6, p. 14	Correction to a duplicate chart that was provided in error.
1	23-Oct-2024	Appendix E	Correction to generation outage schedule for Bay d’Espoir Unit 3.

2024–2025 Winter Readiness Planning Report

Original Submission: October 10, 2024

Revision 1: October 23, 2024

A report to the Board of Commissioners of Public Utilities



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1.0 Background and Introduction

The Board of Commissioners of Public Utilities (“Board”), in correspondence dated October 13, 2016,¹ directed Newfoundland and Labrador Hydro (“Hydro”) to provide an annual report detailing its winter readiness (“WR”) planning. This report, for the 2024–2025 winter season, addresses the following items as requested by the Board:

- The status of annual work plan^[2] items, for Hydro’s generating plant and transmission and terminal stations, including the completion to date, outstanding items to complete, and any risks to completion or as a result of failure to complete.
- A description and schedule for all outstanding [2024] capital projects for Hydro’s generating plant and transmission and terminal stations, including progress on completion status to date and expected completion date.
- Identification of all equipment and plant testing to be carried out in advance of the winter period (generation plant, emergency diesels, black start generators, fire systems, transmission system equipment), including progress on completion status to date.
- The planned generation outage schedule for the period September 1 to December 31, [2024], including an explanation for any planned outages extending beyond December 1, [2024].³
- An update of critical spares assessment and procurement.
- Identification of any risks that could impact the winter readiness of assets as of December 1, [2024] and associated contingency plans.⁴

Except where otherwise noted, information presented in this report covers both the Island Interconnected System and the Labrador Interconnected System for the period ending September 30, 2024.⁵

¹ “Investigation and Hearing into Supply Issues and Power Outages on the Island Interconnected System – Directions further to the Board’s Phase One Report,” Board of Commissioners of Public Utilities, October 13, 2016, p. 2, item iii.

² Annual work plan (“AWP”).

³ In previous years, Hydro’s WR report included a Near-Term Reliability and Resource Adequacy section. The Board approved the removal of the duplicate information in “Newfoundland and Labrador Hydro - Reliability and Resource Adequacy Study Review – Schedule for Future Updates,” Board of Commissioners of Public Utilities, August 17, 2023. The information will be provided in Hydro’s November 2024 Near-Term Reliability Report.

⁴ “Request to Hydro to file Winter Readiness Planning 2016-2017,” Board of Commissioners of Public Utilities, September 13, 2016.

⁵ The data used to generate the status charts in Section 2.0 reflect a data cutoff date of September 27, 2024.

2.0 Annual Work Plan and Winter Readiness Status

Hydro’s AWP integrates all planned activities for the year (i.e., corrective maintenance (“CM”), preventive maintenance (“PM”), and capital project support) that are critical to the safe and reliable production and transmission of electricity. Hydro regularly measures the progress of its AWP execution in comparison with the plan, and is able to track the AWP status down to the level of individual work plan items. The individual AWP items for various assets are incorporated into an integrated AWP. While some AWP activities are planned for completion through December 2024, those tagged as WR activities are generally planned for completion by December 1, 2024.

This report provides a consolidated summary of operation and maintenance progress, both for the entire AWP (i.e., first chart in each set) and the WR tasks (i.e., second chart in each set), as of September 27, 2024, for each of the following areas of operations:

- Holyrood Thermal Generating Station (“Holyrood TGS”), including:
 - Units 1, 2, and 3; and
 - Balance of Plant, including black start diesels;
- Combustion Turbines (“CT”), including:
 - Holyrood (“Holyrood CT”);
 - Hardwoods (“Hardwoods GT”);
 - Stephenville (“Stephenville GT”); and
 - Happy Valley (“Happy Valley GT”);
- Hydraulic Generation, including:
 - Bay d’Espoir Hydroelectric Generating Station (“Bay d’Espoir”);
 - Cat Arm Hydroelectric Generating Station (“Cat Arm”);
 - Hinds Lake Hydroelectric Generating Station (“Hinds Lake”);
 - Paradise River Hydroelectric Generating Station (“Paradise River”);
 - Upper Salmon Hydroelectric Generating Station (“Upper Salmon”); and
 - Granite Canal Hydroelectric Generating Station (“Granite Canal”);

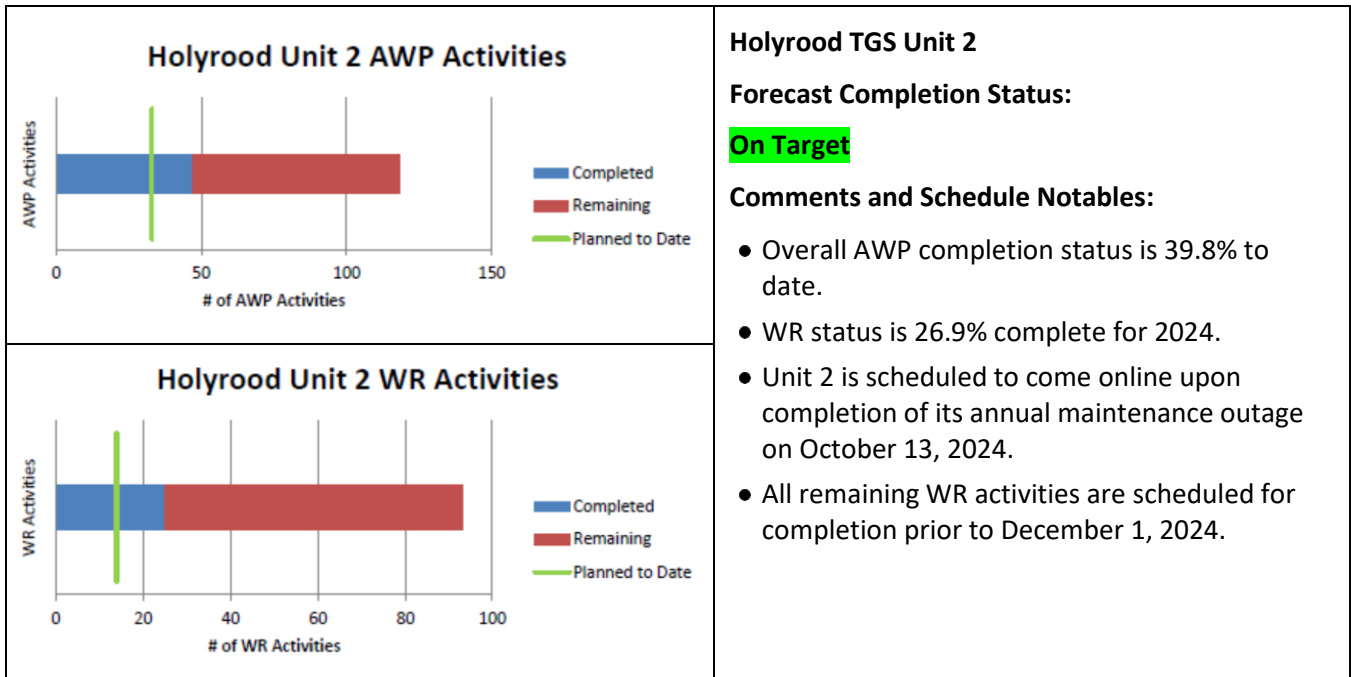
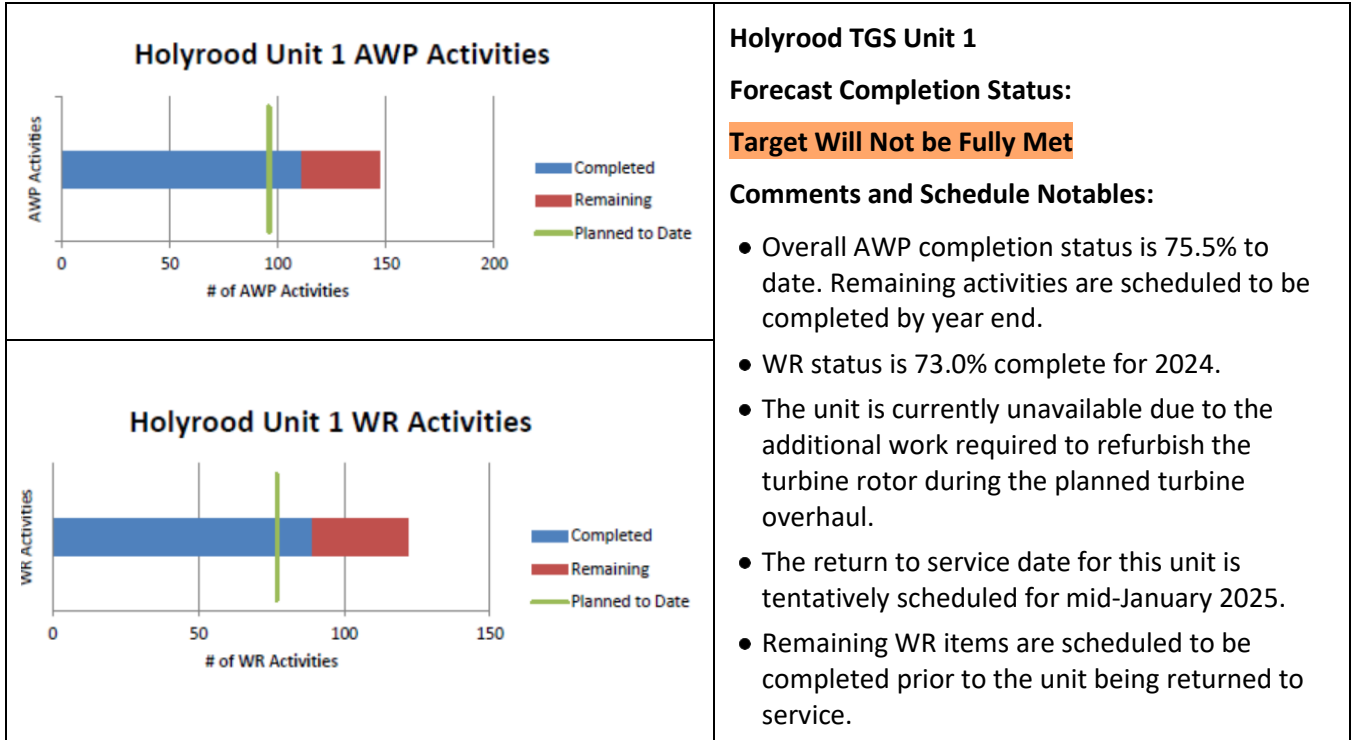
- 1 • Transmission and Rural Operations for the Island Interconnected System and the Labrador
- 2 Interconnected System, including:
 - 3 ○ Transmission; and
 - 4 ○ Terminal stations.
- 5 • Network Services:
- 6 • Muskrat Falls Assets, including:
 - 7 ○ Labrador-Island Link (“LIL”);
 - 8 ○ Labrador Transmission Assets (“LTA”); and
 - 9 ○ Muskrat Falls Hydroelectricity Generating Station (“Muskrat Falls”).

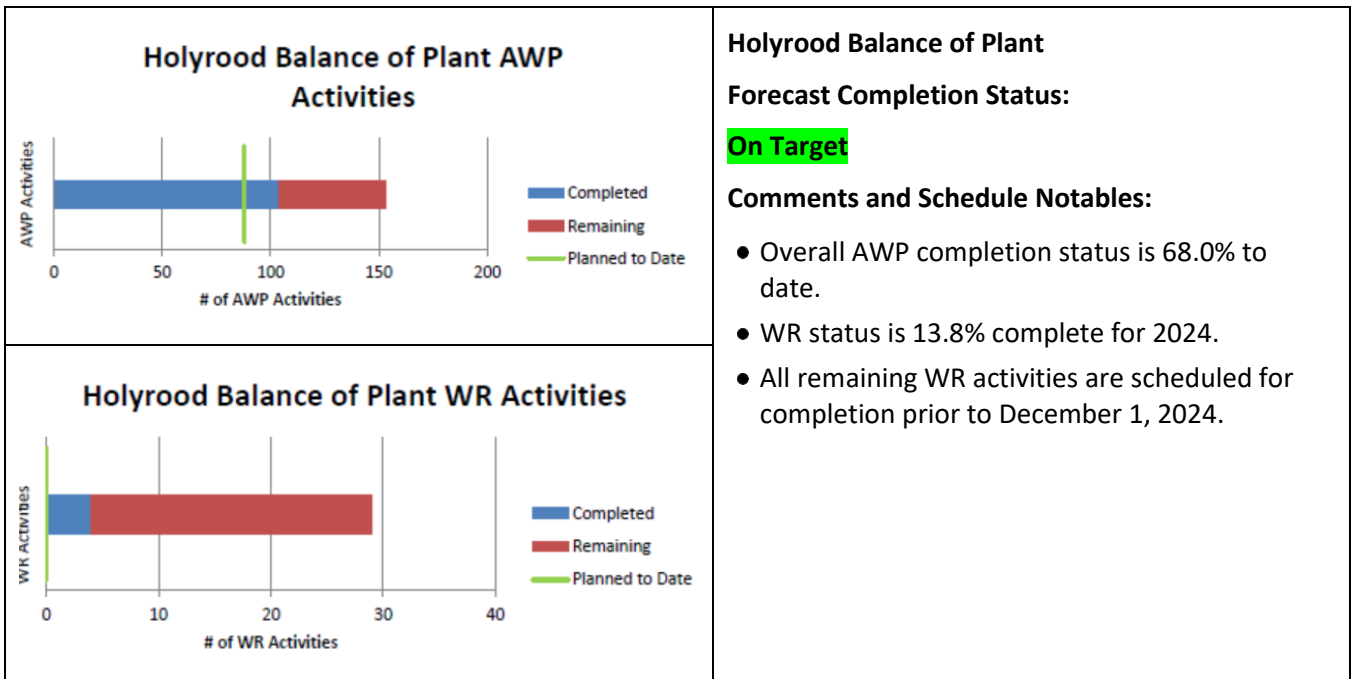
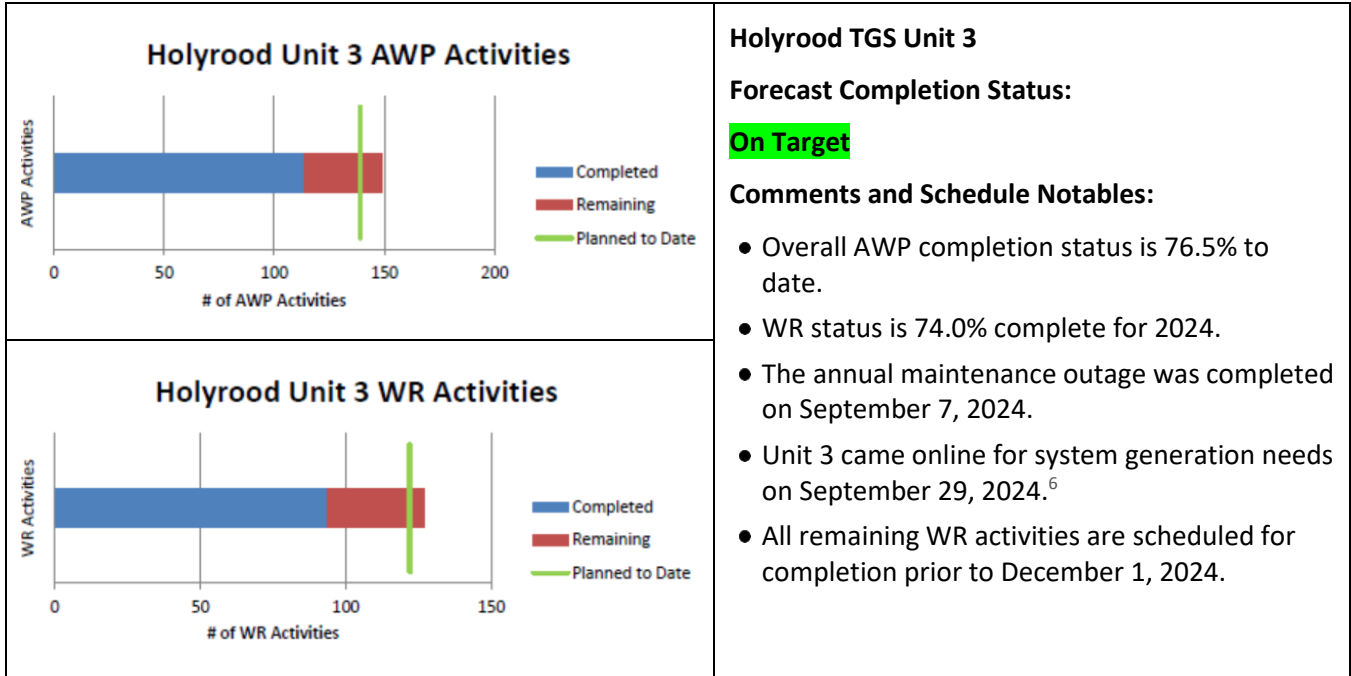
10 Each chart in Section 2.0 includes the completed and remaining operations and maintenance AWP and
11 WR tasks, as well as an indication of the planned task completion target to date. A text box adjacent to
12 each chart set indicates Hydro’s forecasted completion status as of September 27, 2024 in relation to
13 AWP and WR activities (i.e., Green: On Target, Yellow: Caution – Recovery Required, Orange: Target Will
14 Not be Fully Met). Relevant highlights are also provided.

15 Section 3.0 and Appendix A provide the status of capital projects and programs that include additional
16 WR tasks.

17 **2.1 Thermal Generation**

18 The status of AWP and WR execution at the Holyrood TGS is summarized in the following charts. All
19 planned 2024 WR work is on target for completion by December 1, 2024, aside from activities related to
20 Unit 1. As discussed in Section 3.0, Unit 1’s return to service is extended to mid-January 2025 due to
21 additional work identified during the Overhaul Unit 1 Turbine Valves and Generator Program to
22 refurbish the turbine rotor.

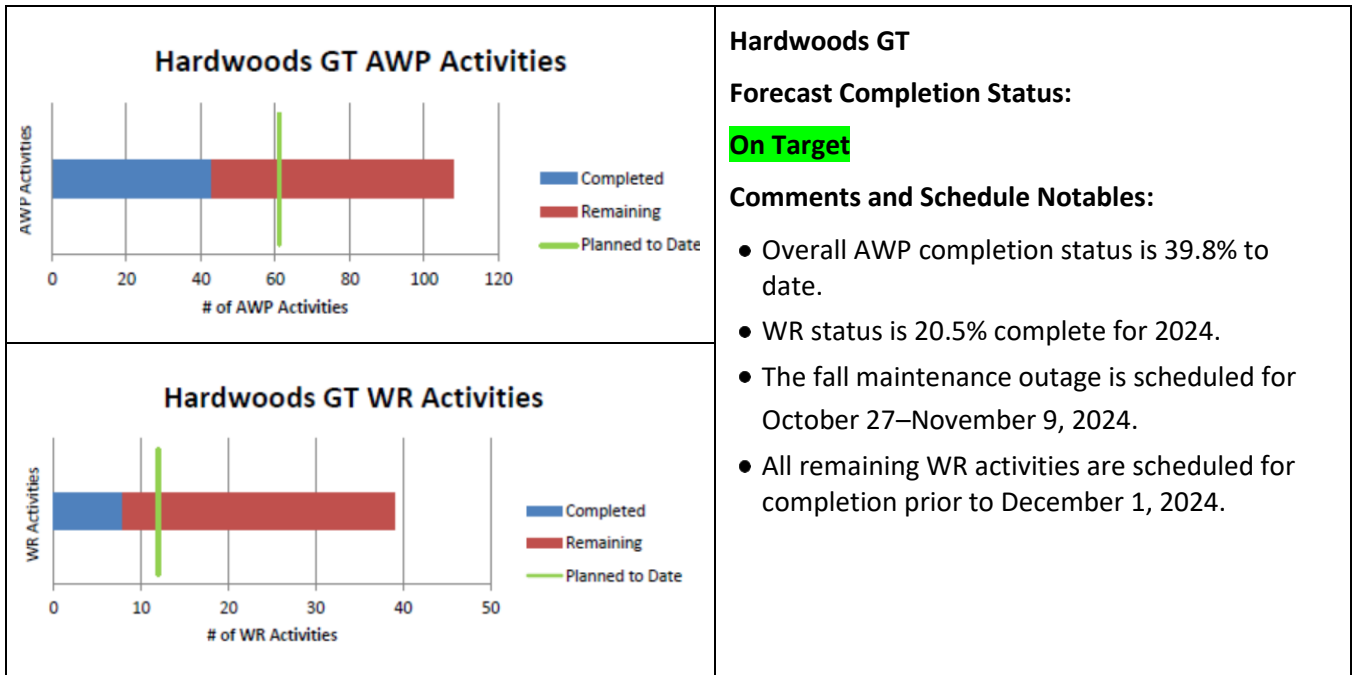
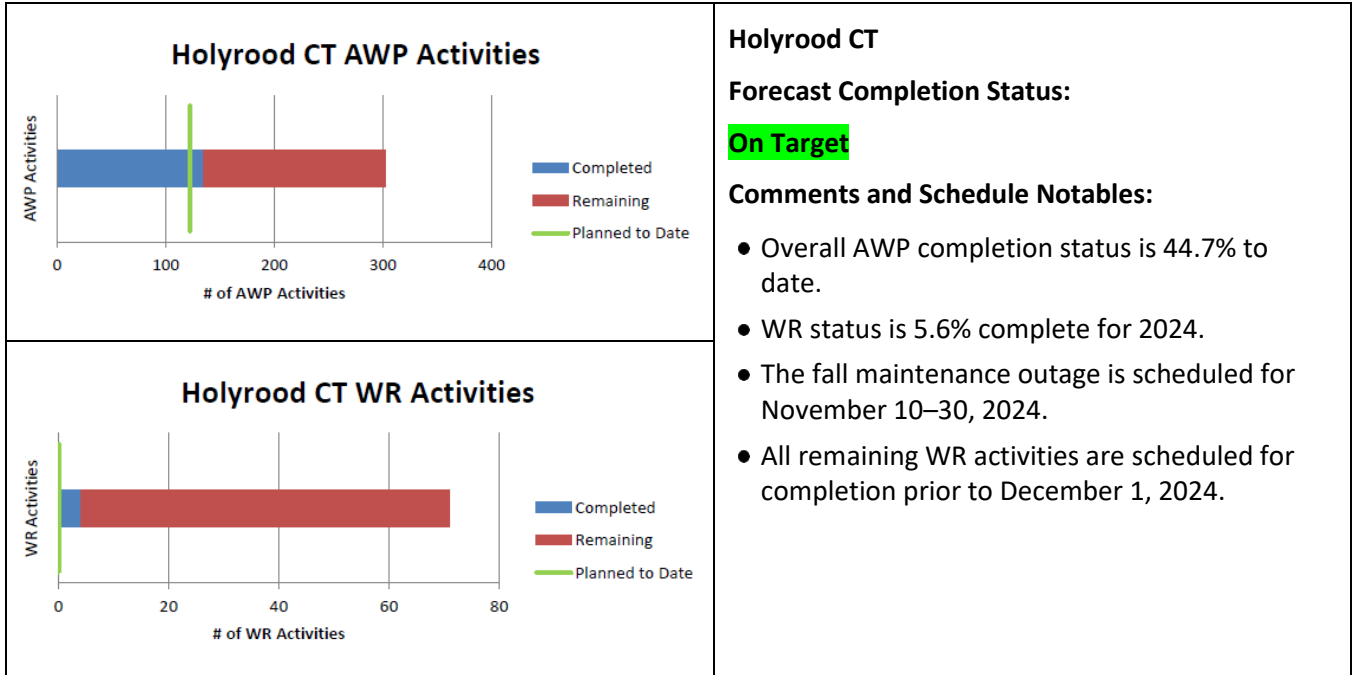


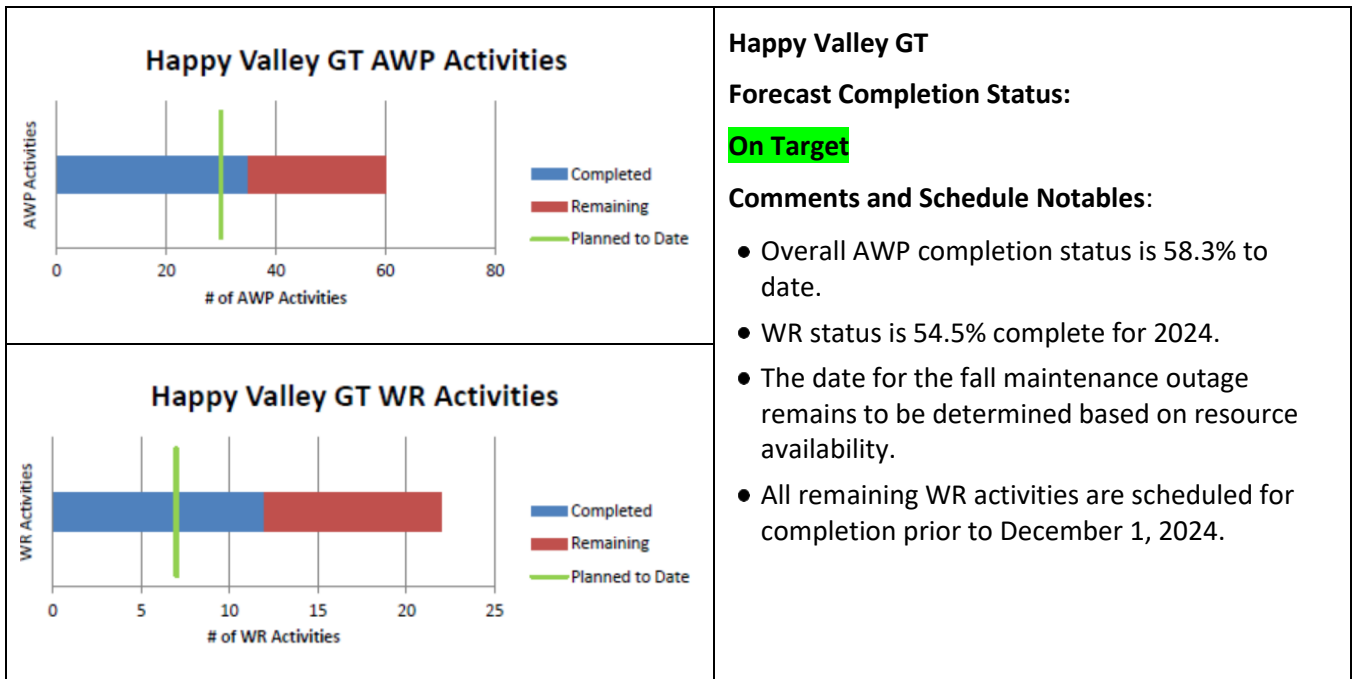
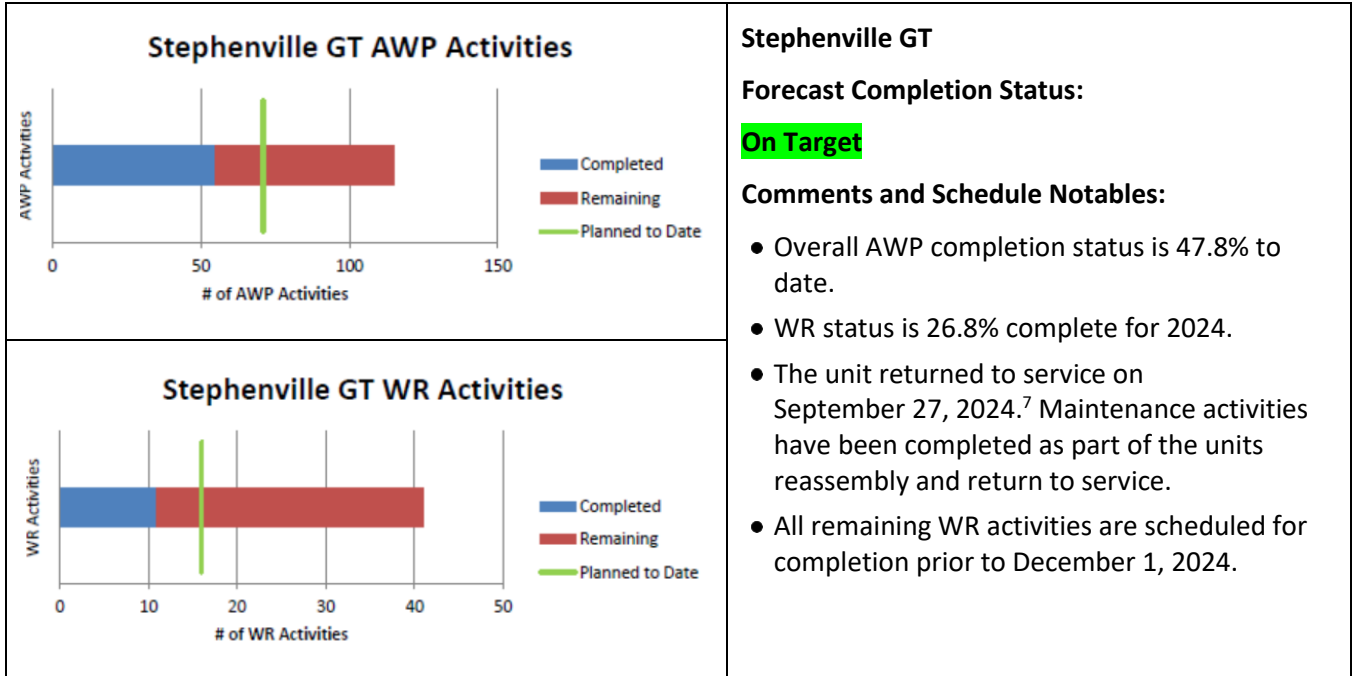


⁶ As the status charts in Section 2.0 reflect a data cutoff date of September 27, 2024, activities completed when Unit 3 was started up for system generation needs on September 29, 2024, will be reflected in the filing of the next 2024–2025 Winter Readiness Planning Report, scheduled for November 12, 2024.

1 **2.2 Combustion Turbine Generation**

2 The status of AWP and WR execution at the Holyrood CT, Hardwoods GT, Stephenville GT, and Happy
 3 Valley GT is summarized in the following charts. Planned WR work for all combustion turbines is on
 4 target for completion by December 1, 2024.

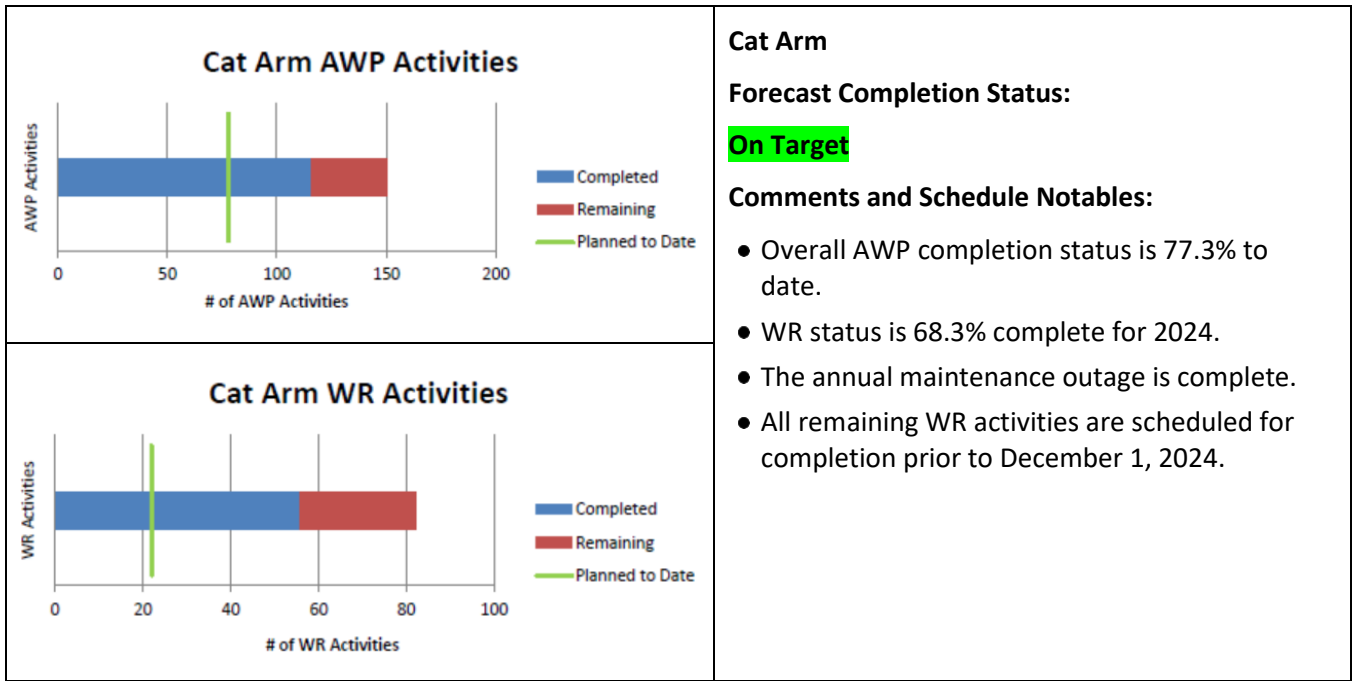
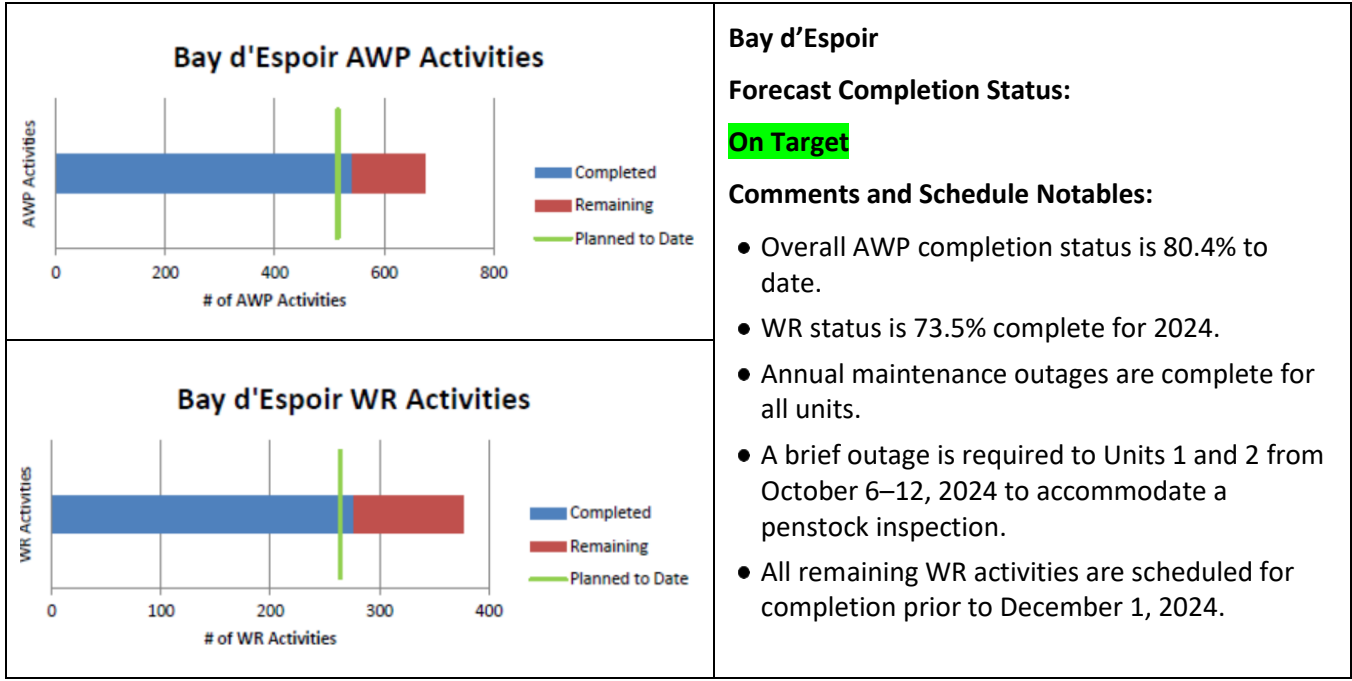


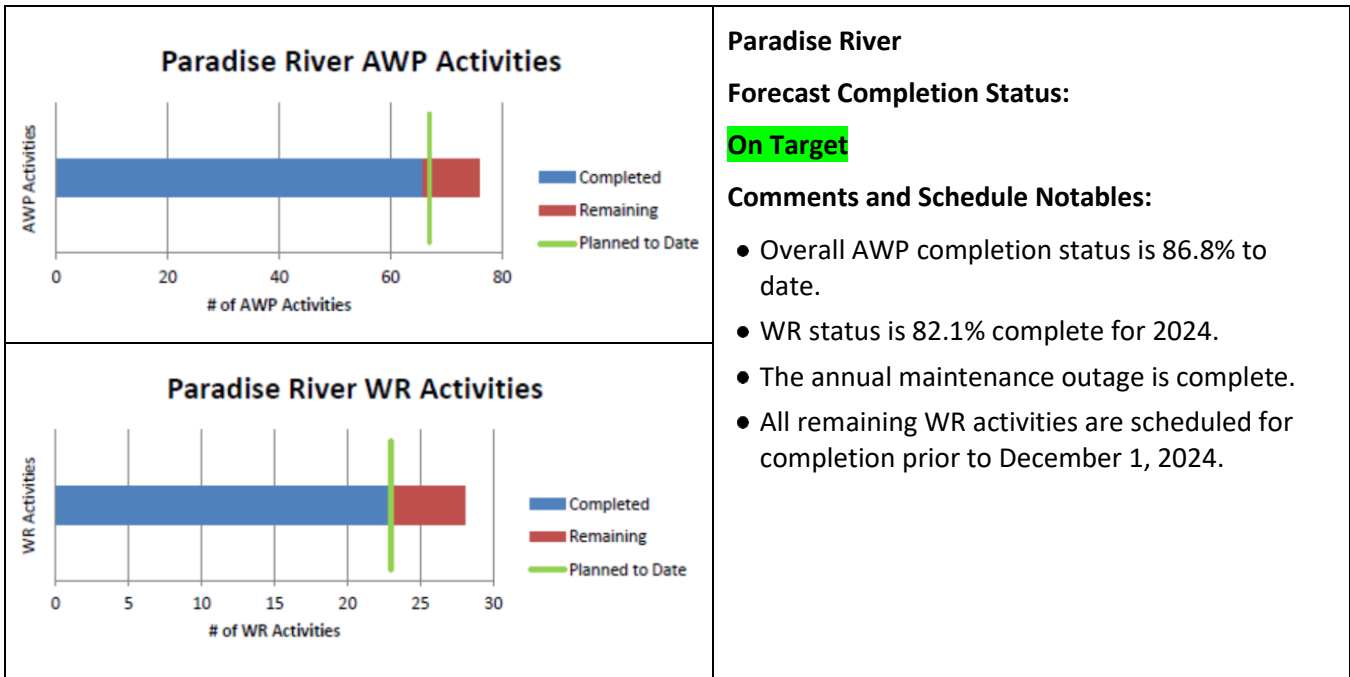
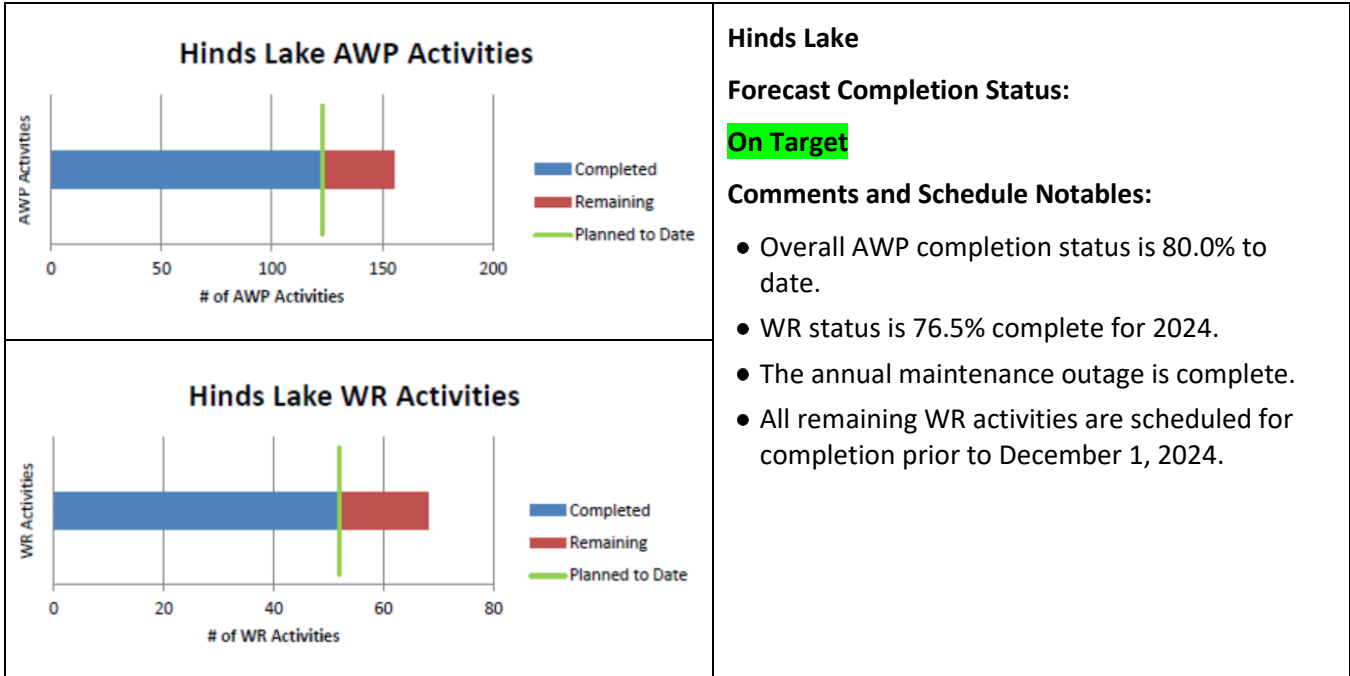


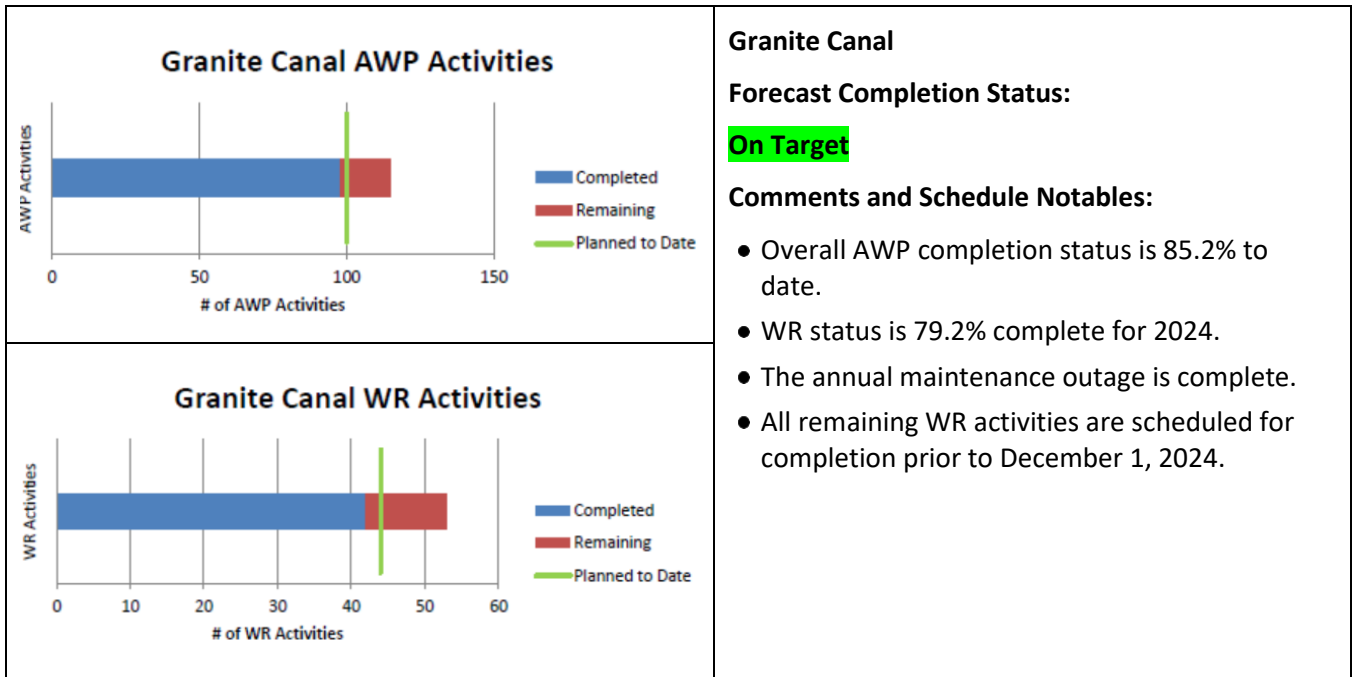
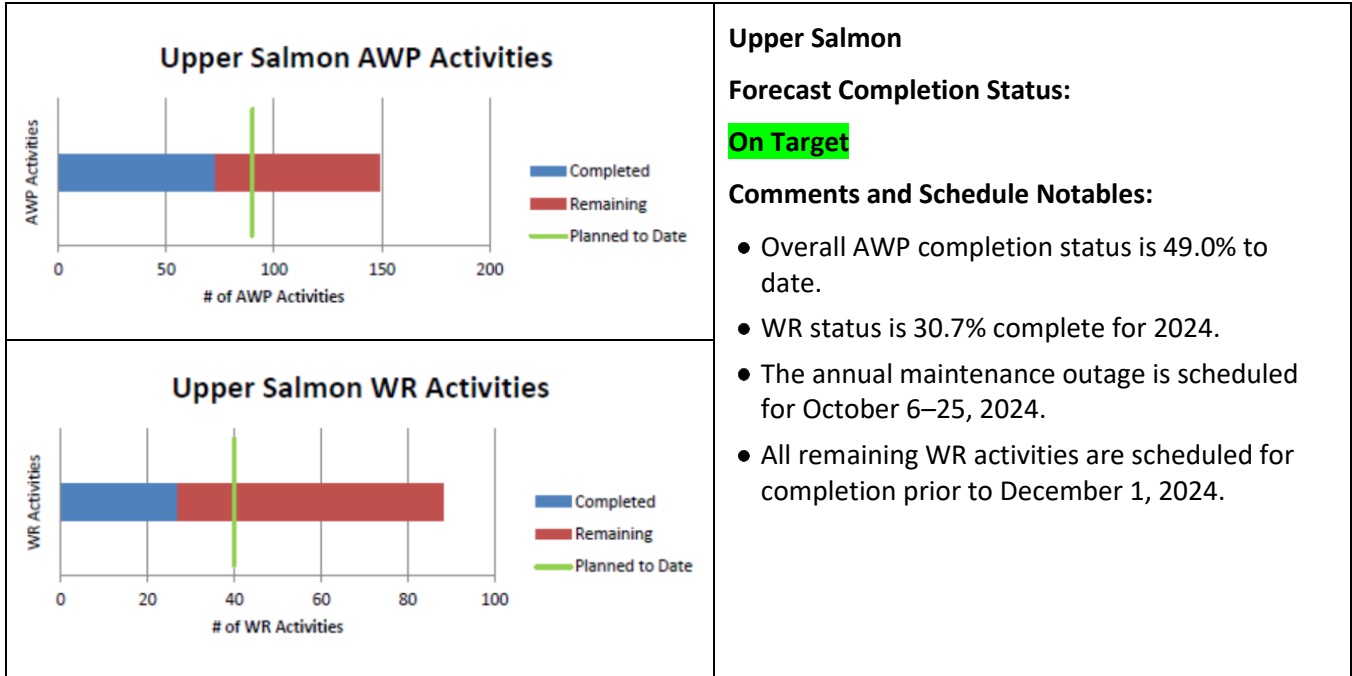
⁷ This unit was out of service since July 2023 due to the failure of the alternator cooling fan.

1 **2.3 Hydraulic Generation**

2 The status of AWP and WR execution at hydraulic generation facilities is summarized in the following
 3 charts. WR work for all hydraulic generation facilities is on target for completion by December 1, 2024.

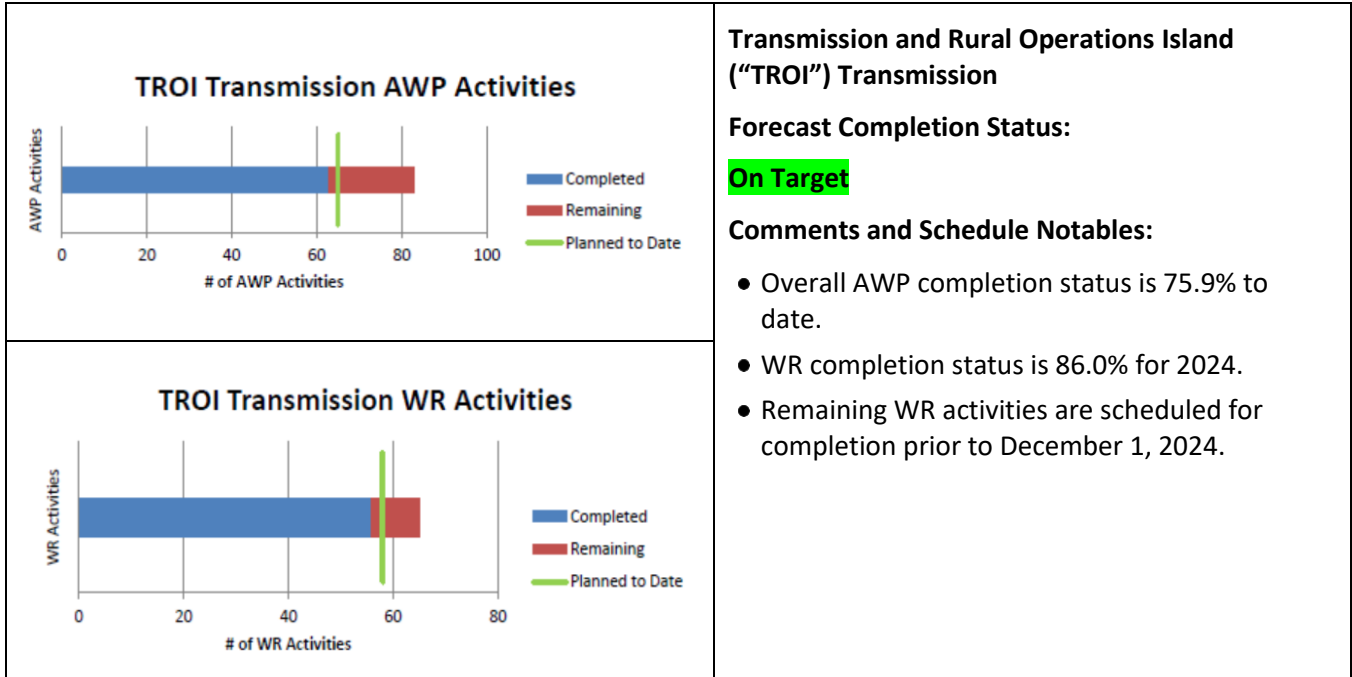


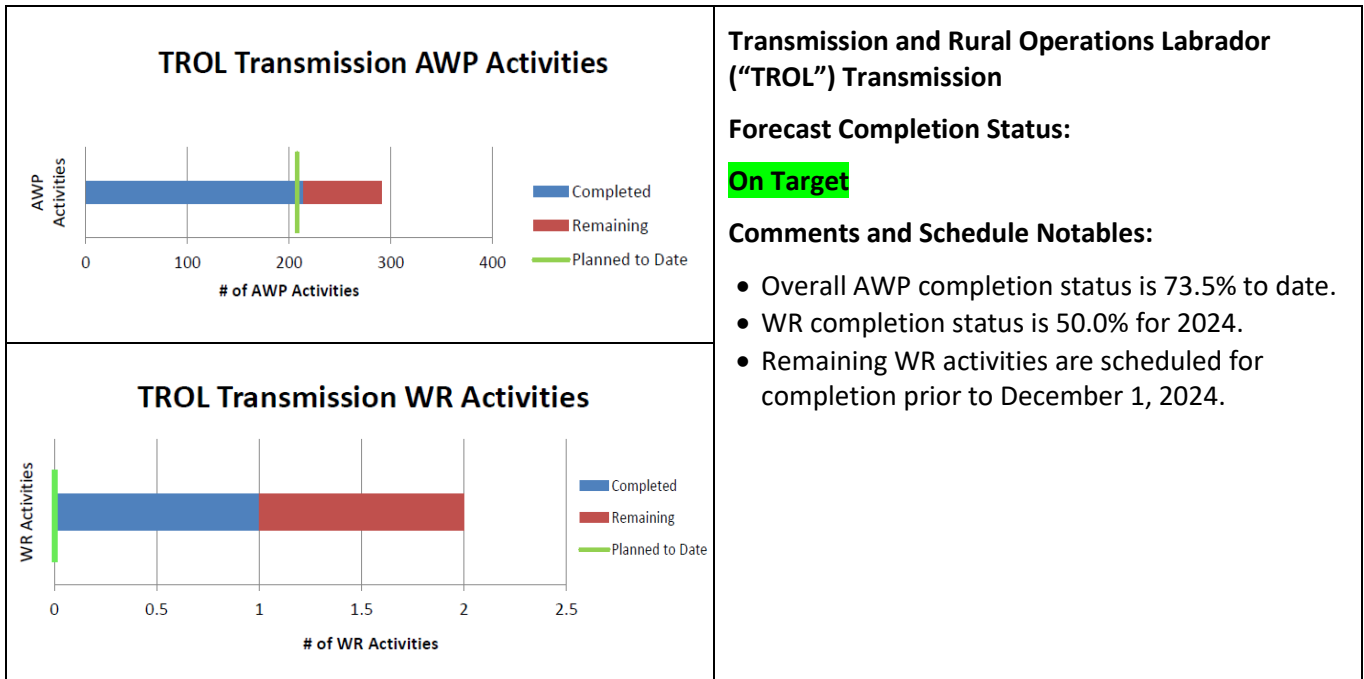
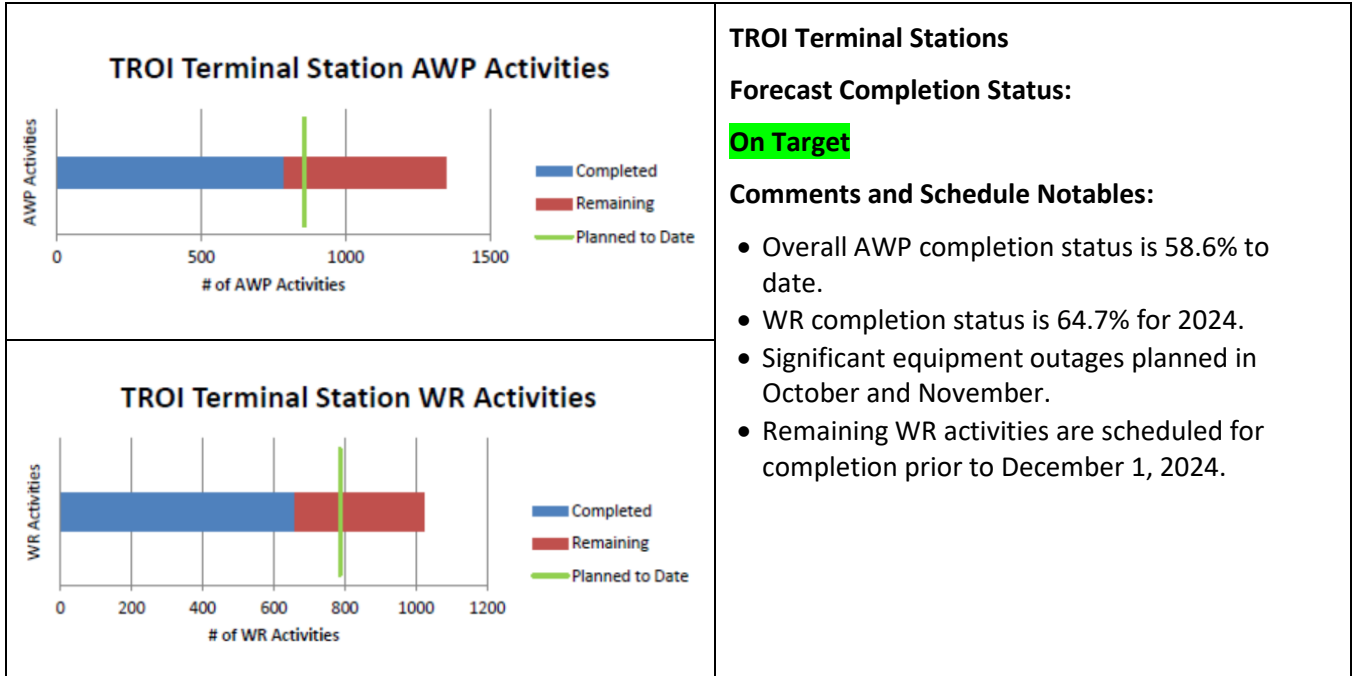


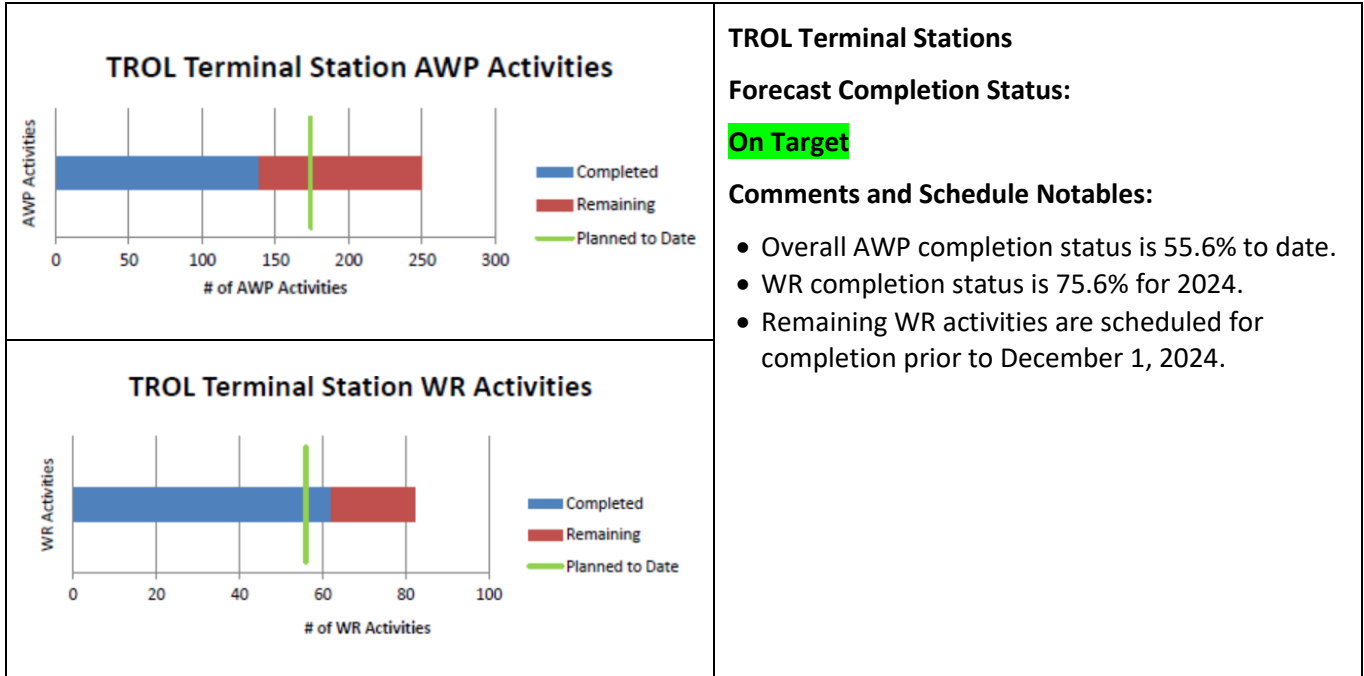


1 **2.4 Transmission and Terminal Stations**

2 The status of AWP and WR execution for transmission line and terminal station facilities on both the
 3 Island Interconnected System and the Labrador Interconnected System is summarized in the following
 4 charts. All planned WR activities are scheduled for completion by December 1, 2024.

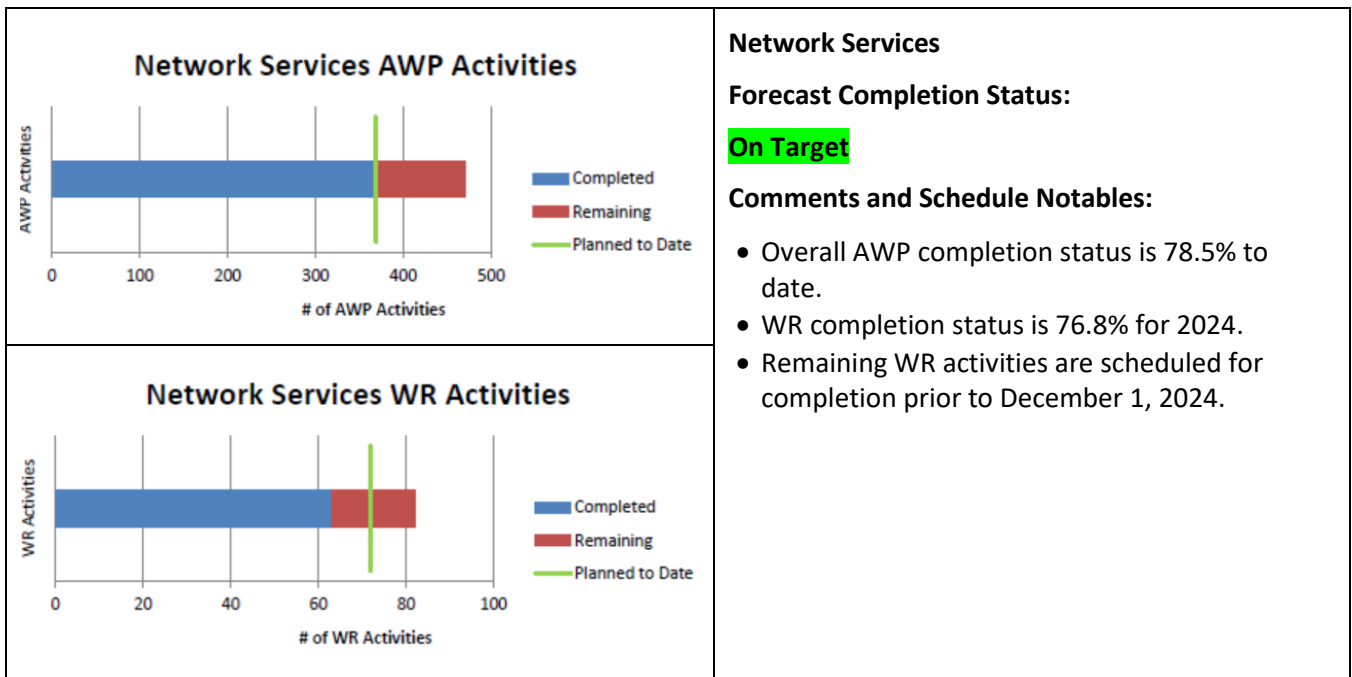






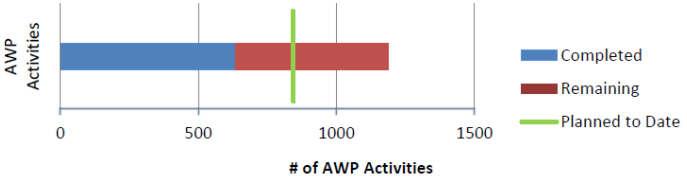
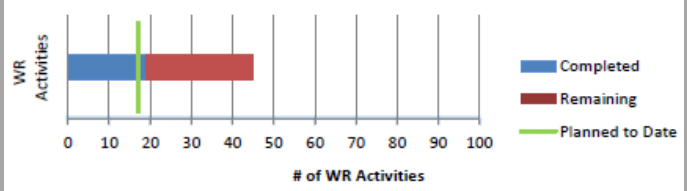
1 **2.5 Network Services**

- 2 The status of AWP and WR execution for Network Services is summarized in the following charts. All
- 3 planned WR activities are scheduled for completion by December 1, 2024.



1 **2.6 Muskrat Falls Assets**

2 The status of AWP and WR execution for the Muskrat Falls assets is summarized in the following charts.
 3 Hydro notes that the planned outage of Muskrat Falls Unit 2 from late October 2024 to mid-May 2025
 4 does not impact winter readiness, as energy from Muskrat Falls Units 1, 3 and 4 is available to the Island
 5 Interconnected System via the LIL.
 6 Subject to the completion of high-power testing,⁸ which Hydro continues to plan for execution in Fall
 7 2024, the LIL will be able to be operated up to 900 MW as system conditions permit. As discussed in
 8 Section 7.6, some WR and AWP activities for the Muskrat Falls Transmission Assets are at risk of not
 9 being completed due to equipment, resource and outage availability.

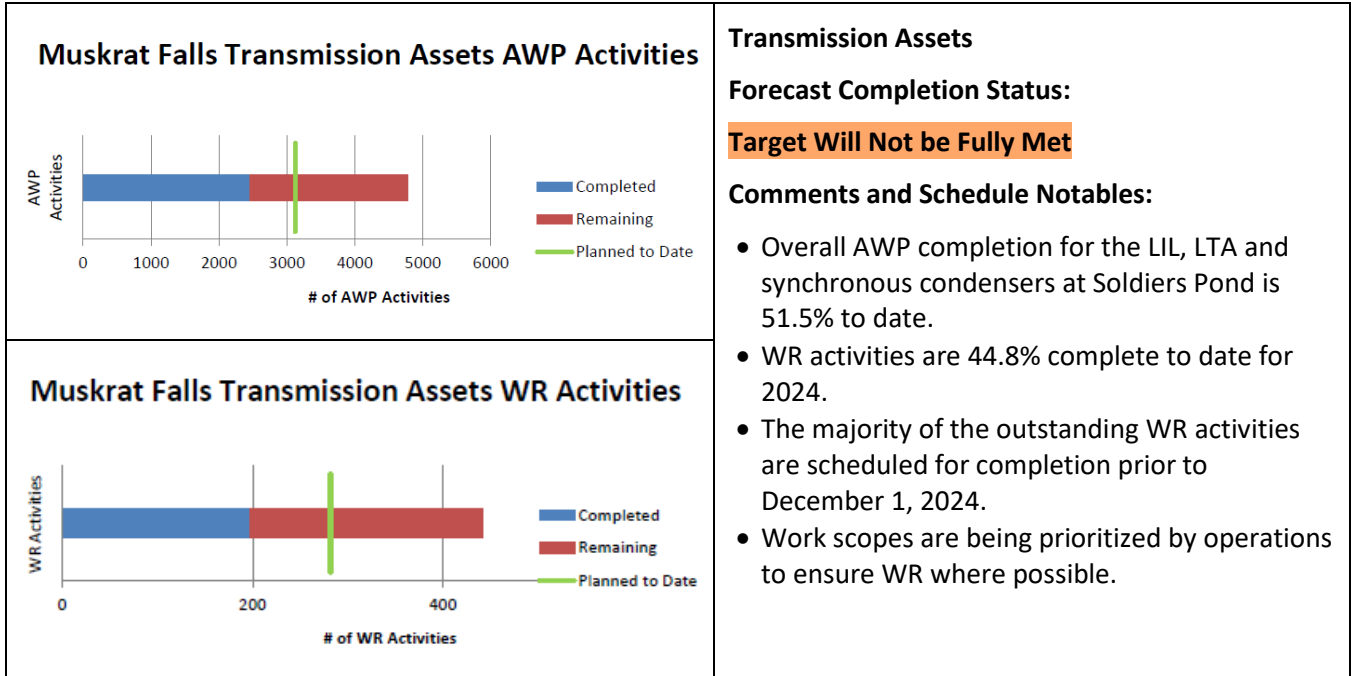
<p>Muskrat Falls Generating Assets AWP Activities</p> 	<p>Generating Assets Forecast Completion Status: Unit 1: On Target Unit 2 : Target Will Not be Fully Met Unit 3: On Target Unit 4: On Target</p>
<p>Muskrat Falls Generating Assets WR Activities</p> 	<p>Comments and Schedule Notables:</p> <ul style="list-style-type: none"> • Overall AWP completion for Muskrat Falls Units 1 to 4 is 53.4% to date.⁹ • WR activities are 42.2% complete for 2024.¹⁰ • Unit 1 is currently offline on a planned outage, and is expected to return to service on October 15, 2024. • Unit 2 is scheduled to be taken offline on a planned outage for major turbine repairs on October 28, 2024, and will be out of service until mid-May 2025. • Remaining WR activities are scheduled for completion prior to December 1, 2024, aside from activities related to Unit 2.¹¹ • The planned outage of Unit 2 does not impact WR.

⁸ Completion of high-power testing is subject to the prerequisite conditions and replacement of cable switching equipment as discussed in *Reliability and Resource Adequacy Study Review – Labrador-Island Link Update for the Quarter Ended September 30, 2024*. The equipment is planned for replacement and testing by mid-October.

⁹ AWP activity status is as of August 30, 2024.

¹⁰ WR activity status is as of October 1, 2024.

¹¹ All outstanding items are scheduled to be completed upon the return to service of Unit 2 in mid-May 2025.



1 3.0 Status of Winter Readiness for Capital Projects and 2 Programs

3 3.1 Regulated Hydro Capital Projects and Programs

4 The status of 2024 planned capital project and program scopes of work related to 2024–2025 WR for the
5 Island Interconnected System and the Labrador Interconnected System is provided in Appendix A. Table
6 1 summarizes the status of the WR scope of these projects and programs by asset category.

Table 1: Status of Capital Projects and Programs with WR Scope

Asset Category	Complete as of	Incomplete, Expected	Incomplete, Expected	Total
	October 1, 2024	Completion before December 1, 2024	Completion after December 1, 2024	
Hydraulic Generation	1	0	0	1
Thermal Generation	5	3	1	9
CT Generation	1	1	0	2
Terminal Stations	2	1	0	3
Telecontrol	0	2	0	2
Total	9	7	1	17

7 As of October 1, 2024, the WR scope for 9 of the 17 capital projects and programs is complete, and the
8 WR scope for an additional 7 projects and programs is expected to be completed by December 1, 2024.

1 A portion of the WR scope within one program is expected to be completed after December 1, 2024.
2 The status of that program is as follows:

3 **1) Holyrood - Overhaul Unit 1 Turbine Valves and Generator Program**

4 The WR scope in this program is to inspect, test, clean, and refurbish or overhaul the turbine,
5 turbine valves, and the generator as required for Unit 1 at the Holyrood TGS.

- 6 • **Turbine:** The planned inspection and overhaul work is substantially complete; however,
7 there was damage discovered on the turbine rotor that requires additional time to refurbish
8 at the original equipment manufacturer’s (“OEM”) facility. Hydro is closely monitoring the
9 OEM’s work progress through regularly scheduled meetings and shop visits by members of
10 Hydro's project team to identify and mitigate schedule risks.
- 11 • **Turbine Valves:** The planned inspection and overhaul is substantially complete; final
12 commissioning will occur during the start up and return to service of Unit 1.
- 13 • **Generator:** The planned inspection and overhaul work is substantially complete; final
14 commissioning will occur during the start up and return to service of Unit 1.

15 The expected return to service date for this generating unit is mid-January 2025; the extension is
16 a result of the unanticipated requirement to refurbish the Unit 1 turbine rotor as discussed
17 above.¹²

18 **3.2 Muskrat Falls Assets Capital Projects**

19 **3.2.1 Generation**

20 The WR scope for Unit 2 will not be completed for winter 2024–2025 as a result of the planned outage.
21 The status of that program is as follows:

22 **1) Muskrat Falls – Repair Unit 2 Turbine**

23 This program is to repair the Unit 2 turbine, which will result in the unit being unavailable for the
24 2024–2025 winter season. The expected return to service date for this generating unit is mid-
25 May 2025. Hydro notes that the planned outage of Muskrat Falls Unit 2 does not impact WR, as
26 energy from Muskrat Falls Units 1, 3 and 4 is available to the Island Interconnected System via
27 the LIL.¹³

¹² Please refer to Section 7.2.3 for a summary of the risk and risk mitigation associated with this activity.

¹³ Please refer to Section 7.6.1 for a summary of the risk and risk mitigation associated with this activity.

3.2.2 Transmission

1) Various Locations – Replace Turnbuckles and Install Airflow Spoilers Program

With regard to the Turnbuckles Replacement and Airflow Spoiler Installation Program, Hydro continues to actively address the recommendations resulting from the localized failures experienced on the LIL over the past three winters. Hydro’s capital programs to replace turnbuckles and install airflow spoilers intend to reduce galloping, prioritizing the high-priority areas of the LIL.

To date, approximately 70% of the turnbuckles have been replaced with extension links on the dead end structures, with the replacement of all turnbuckles on the dead end structures planned for completion by the end of 2024. Air spoilers will be installed at all planned locations, with 65% of air spoilers planned for installation by the end of 2024.¹⁴

2) Various Locations – Other Capital Programs

With regards to other capital programs for transmission assets impacting WR, Hydro is optimizing clamp designs for the electrode conductor and optical ground wires (“OPGW”). In addition, work is underway to analyze ice loading including review of reports and acquisition of sensors to measure ice loading and galloping. A reinforcement of the top plate that secures the OPGW to A3 type towers is also being implemented. Analysis of potential modifications to this plate for other tower types is also underway. Finally, analysis is ongoing to determine the requirement for modifications to the tower or transmission line design to further reduce the risk of incidents. As the OPGW relates to communications functionality, Hydro does not anticipate that further occurrences of similar damage would result in a prolonged power interruption or customer outage.

4.0 Plant and Equipment Testing

To ensure WR, Hydro follows a structured checklist for planning and documenting its testing and inspection of plant and equipment in its thermal and hydroelectric generation facilities, as provided in Appendix B, C, and D.

¹⁴ Based on the outcome of its galloping study, Hydro is installing airflow spoilers on priority areas of the LIL to control galloping and mitigate further damage to the line. Hydro has mitigated the risk of prolonged customer outage as a result of fatigue failures due to galloping by prioritizing the most remote locations where galloping has been observed.

1 In its transmission, terminal station, network services, and CT operations, Hydro relies on its AWP
2 process to plan and track its WR testing and inspection of these assets. The AWP in these areas include
3 planned PM activities and CM items, both of which involve inspection and testing. Planned PMs and
4 CMs, and any other activities pertaining to WR, are flagged inside the respective AWP and may be
5 tracked separately from other AWP items that are not WR related.

6 **4.1 Thermal Generation**

7 WR testing of generating equipment in thermal generation is focused primarily around annual unit
8 maintenance outages. Following these annual outages, units are run up and synchronized and all
9 systems are verified before the unit's operating status is determined and preparedness is confirmed.
10 Unit load tests are performed at this time as well; however, all required load testing is not completed
11 until later in the fall when system conditions allow. The WR testing protocol includes the testing of
12 appropriate Balance of Plant components, including the black start diesel generators.¹⁵ The current
13 status of equipment/plant testing for thermal generation is indicated in Appendix B.

14 Unit 3 was started up for system generation needs on September 28, 2024, following the completion of
15 its annual maintenance outage on September 7, 2024. Many of the start-up checks for Unit 3 and
16 Balance of Plant equipment have been completed, with this status to be reflected in Appendix B.¹⁶

17 Unit 2 is scheduled to come online following its annual maintenance outage on October 13, 2024. As
18 indicated in Appendix B, some start-up checks are complete on this unit, but the majority will be
19 completed when the unit is started up in preparation for system generation needs.

20 Unit 1's return to service is extended to mid-January 2025 due to the additional work required during
21 the Overhaul Unit 1 Turbine Valves and Generator Program to refurbish the turbine rotor.¹⁷ As indicated
22 in Appendix B, the start-up checks have not been completed on this unit due to the ongoing outage. The
23 start-up checks will commence in preparation to return the unit to service, with the remainder

¹⁵ The black start diesel generators are run up to speed and synchronized on a weekly basis to confirm their availability. The function of all associated breakers are also tested and confirmed.

¹⁶ As Appendix B has a data date of September 25, 2024, start-up checks completed when Unit 3 was started up for system generation needs on September 28, 2024 will be reflected in the filing of the next 2024–2025 Winter Readiness Planning Report, scheduled for November 12, 2024.

¹⁷ Further extension is possible; however, as this project has completed the discovery phase, additional unexpected findings which may extend the return to service date of the unit are considered to be unlikely.

1 completed when the unit is started up for system generation needs. Full load capability is expected from
2 this unit when it is returned to service.

3 With the exception of Unit 1, Hydro does not anticipate any concerns regarding completion of the start-
4 up checks for all units by December 1, 2024.

5 **4.2 Combustion Turbine Generation**

6 Examples of WR activities that are included in the AWP for the Holyrood CT, Hardwoods GT,
7 Stephenville GT, and Happy Valley GT include the following:

- 8 • PMs and CMs for major components and auxiliary systems;
- 9 • Black start testing;
- 10 • Monthly operational testing; and
- 11 • Execution of capital upgrades and refurbishment.

12 AWP charts, which include WR activities, are shown in Section 2.2.

13 Black start testing of the Holyrood CT was completed in July 2024. Hydro anticipates that completion of
14 planned black start tests for the Happy Valley, Hardwoods and Stephenville GTs will occur before
15 December 1, 2024 during upcoming planned maintenance outages and planned monthly operational
16 testing.

17 Operational testing of all combustion turbines was performed throughout the year as planned and all
18 WR capital upgrades and refurbishments are anticipated to be completed by December 1, 2024.

19 **4.3 Hydraulic Generation**

20 WR testing of generating equipment in hydraulic generation is focused primarily around annual unit
21 maintenance outages. Following these annual outages, units are run up and synchronized and all
22 systems are verified before the unit's operating status is determined and preparedness is confirmed.
23 Unit load tests are also performed as system conditions permit. The WR testing protocol includes the
24 testing of appropriate Balance of Plant components.

25 The status of equipment and plant testing for hydraulic generation is indicated in Appendix C. All
26 inspection and testing of hydraulic generating facilities is scheduled for completion by
27 December 1, 2024.

1 The status of equipment and plant testing for Muskrat Falls is indicated in Appendix D. All inspection and
2 testing of hydraulic generating facilities is complete, with the exception of Units 1 and 2. Outstanding
3 testing on Unit 1 will be completed when the unit returns to service in mid-October 2024. Unit 2 will be
4 taken offline for major turbine repairs upon the return to service of Unit 1, and will be out of service
5 until mid-May 2025. Hydro notes that the planned outage of Muskrat Falls Unit 2 does not impact WR,
6 as energy from Muskrat Falls Units 1, 3 and 4 is available to the Island Interconnected System via the LIL.

7 **4.4 Transmission and Terminal Stations**

8 The AWP for both transmission and terminal stations are predominantly comprised of PMs and CMs,
9 which inherently involve inspection and testing.¹⁸ Examples of WR activities that are included in the
10 AWP work scopes include the following:

- 11 • Transformer PMs and CMs;
- 12 • Annual exercises on all high-voltage circuit breakers;
- 13 • Exercise of 230 kV circuit breakers from protection during PM inspections;
- 14 • Infrared scans at all terminal stations;
- 15 • Annual ultrasonic leak testing on all terminal station air systems; and
- 16 • Annual helicopter patrol of transmission lines prior to the winter season.

17 The status of AWP and WR execution for transmission line and terminal station facilities are summarized
18 in Section 2.4. All WR activities are planned for completion by December 1, 2024.

19 The status of AWP and WR execution for the Muskrat Falls Transmission Assets are summarized in
20 Section 2.6. The majority of WR activities are planned for completion by December 1, 2024.

21 **4.5 Network Services**

22 The AWP for Network Services is comprised of PMs and CMs, which inherently involve inspection and
23 testing of various assets and systems. AWP charts, which include WR activities, are shown in Section 2.5.
24 All WR activities are planned for completion by December 1, 2024.

¹⁸ The “Terminal Station Asset Management Strategy – 2024 Update” document outlines the maintenance, refurbishment, and replacement criteria used by Hydro for terminal station assets. For the most recent report please refer to the “2025 Capital Budget Application,” Newfoundland and Labrador Hydro, July 16, 2024, sch. 1, app. F.

1 **5.0 Generation Outage Schedule**

2 As reflected in Section 2.0, a number of generating unit annual maintenance programs have been
3 completed across the fleet and Hydro plans to complete annual maintenance on all of its units in
4 advance of the winter season, with the exception of Holyrood TGS Unit 1 and Muskrat Falls Unit 2.

5 At this time, maintenance activities are underway on Units 1 and 2 at the Holyrood TGS, Muskrat Falls
6 Unit 1, Bay d’Espoir Units 1 and 2 to accommodate a penstock inspection, and Upper Salmon.

7 The completion of annual maintenance activities remains on Star Lake, Hardwoods GT, Happy Valley GT,
8 Holyrood CT, and the LIL.

9 The following assets have planned outages extending beyond December 1, 2024:

- 10 • Holyrood TGS Unit 1: This unit is currently unavailable, and will not return to service until mid-
11 January 2025 due to the additional work required to refurbish the turbine rotor during the
12 planned turbine overhaul.
- 13 • Muskrat Falls Unit 2: The planned outage of this unit from late October 2024 to mid-May 2025
14 does not impact winter readiness, as energy from Muskrat Falls Units 1, 3 and 4 is available to
15 the Island Interconnected System via the LIL.

16 The Master Generation Outage Schedule for September 1 to December 31, 2024 is provided as
17 Appendix E.

18 **6.0 Critical Spares**

19 **6.1 Overview**

20 Since 2014, Hydro has completed extensive reviews of its critical spares requirements in all areas of its
21 generation operations including hydraulic generation, CTs and thermal generation.

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

26 A full update on the status of Hydro’s critical spares, as of September 30, 2024, for the 2024–2025
27 winter season is provided in this report. This update includes a detailed listing of critical spares

1 requirements for each area of generation operations and the status of each item. Hydro will provide
2 details on its critical spares for the Muskrat Falls generating assets in the November 2024 filing of the
3 2024–2025 Winter Readiness Planning Report.

4 **6.2 2024–2025 Winter Season**

5 Hydro’s critical spares status leading into the 2024–2025 winter season is strong. For thermal generation
6 (Appendix F), CTs (Appendix G), and hydraulic generation (Appendix H), 2,531 critical spares have been
7 identified by Hydro’s three generation operations areas. Of this total, 2,518 items are in stock (>99%)
8 and 13 items are in the procurement process.

9 **6.2.1 Thermal Generation**

10 As summarized in Table 2, there is one critical spare stock item currently not in stock. This item is on
11 order through Hydro’s Supply Chain Department, and is currently out for quote.¹⁹ An update on all
12 outstanding items will be provided in the November 2024 filing of the 2024–2025 Winter Readiness
13 Planning Report.

14 The complete list of critical spares for the Holyrood TGS is provided in Appendix F. This list contains
15 three inventory status descriptions:

- 16 **1) In Stock:** Part is in inventory;
- 17 **2) Non-Stock:** Part is critical but it is not necessary to keep it in stock (e.g., because the part is
18 readily available locally);²⁰ and
- 19 **3) On Order:** Part is required to be in stock but is not.

¹⁹ The expected delivery date of this item will be determined upon issue of Purchase Order.

²⁰ For the Non-Stock parts, an explanation of the reason why it is Non-Stock is provided in the Notes column in Appendix F.

Table 2: Critical Spares for Thermal Generation

Status	Quantity
In Stock	757
On Order	1
Not Yet On Order	0
Total	758

1 **6.2.2 Combustion Turbines**

2 Table 3 summarizes the status of spare parts for the Hardwoods GT, Stephenville GT, Holyrood CT, and
 3 Happy Valley GT and Appendix G contains detailed lists for each combustion turbine. Items listed as On
 4 Order are expected to be in stock prior to December 1, 2024.

Table 3: Critical Spares for CTs Generation

Status	Hardwoods/ Stephenville	Holyrood	Happy Valley	Total
In Stock	89	403	53	545
On Order	1	0	0	1
Not Yet On Order	0	0	0	0
Total	90	403	53	546

5 Hydro utilizes a number of its spare parts to address deficiencies found during the 2024 maintenance
 6 season; as such, fall maintenance outages may result in the requirement to replenish additional spare
 7 components.

8 **6.2.3 Hydraulic Generation**

9 Table 4 provides an overview of the critical spares program for hydraulic generation and Appendix H
 10 contains detailed spares lists for the various facilities.

Table 4: Critical Spares for Hydraulic Generation

Status	Quantity
In Stock	1,216
On Order	11
Not Yet On Order	0
Total	1,227

1 The Upper Salmon T2 spare transformer remains outstanding but does not present a risk to WR.²¹ This
2 spare transformer was delivered to Upper Salmon in August 2021 from a factory in Turkey; however, the
3 unit was not accepted by Hydro due to unit damage most likely caused by an impact event that occurred
4 during shipping from the factory.²² The transformer was returned to Turkey in 2022 to be repaired and
5 tested; however, challenges were encountered with the FAT²³ throughout 2023 and 2024. Hydro
6 continues to work with the supplier to expedite repairs and deliver the transformer back to Upper
7 Salmon, and expects the transformer to be returned to Upper Salmon in early November 2024.

8 The remaining ten critical spares were ordered in the third quarter of 2024 for newly installed assets,
9 and do not present a risk to WR. These spares remain on order, and are expected to be delivered late in
10 the first quarter of 2025.

11 **6.2.4 Muskrat Falls Generation**

12 A significant fire this spring in the community of Happy Valley-Goose Bay resulted in the total loss of the
13 storage facility housing Hydro’s critical spares. Hydro has prioritized ordering of items based on WR and
14 should any outstanding parts become critical to winter operation, it may be possible for Hydro to utilize
15 parts from Unit 2, if necessary.

16 The listing of critical spares and their order status will be provided in the November 2024 filing of the
17 2024–2025 Winter Readiness Planning Report.

18 **7.0 Risk and Risk Mitigation**

19 Hydro’s readiness planning for the 2024–2025 winter season is progressing towards completion. Hydro
20 anticipates that all generation will be available by December 1, 2024, with the exception of Unit 1 at the
21 Holyrood TGS and Unit 2 at Muskrat Falls. Potential system risks and associated mitigation plans are
22 provided in the sections that follow.

²¹ The existing transformer is in good condition. A failure of T2 would not impact available generation from Upper Salmon; it provides power to some upcountry structures for which there are other contingencies.

²² The unit was initially shipped off site to a manufacturer-affiliated repair facility in the USA for inspection, testing and repair.

²³ Factory Acceptance Testing (“FAT”).

1 **7.1 Bay d’Espoir Operations**

2 Bay d’Espoir generation is expected to be fully available by December 1, 2024. Four risks to winter
3 readiness and/or reliable operations are identified in Sections 7.1.1 to 7.1.3.²⁴

4 **7.1.1 Bay d’Espoir Penstocks**

5 As a result of previous ruptures of the Bay d’Espoir Penstocks, with the most recent being September
6 2019, Hydro has continued to complete annual inspections of Bay d’Espoir Penstocks 1, 2, and 3 to
7 monitor penstock condition and ensure reliability in the short term.

8 Penstock 3 was inspected in May 2024; during the inspection, seven weld indications were discovered.
9 Weld repairs were completed and the penstock was returned to service. The inspection of Penstock 2
10 was completed in August 2024; during the inspection, there were no immediate concerns discovered
11 and the penstock was returned to service.

12 The inspection of Penstock 1 is scheduled to commence the week of October 7, 2024, the results of
13 which will be discussed in the filing of the next 2024–2025 Winter Readiness Planning Report.

14 Although Hydro has mitigated risk of penstock failure to the extent possible, there is residual risk that a
15 failure could occur before further life extension work is completed.²⁵ Modifications remain in place
16 which are designed to limit the amount of rough zone operation, as well as the more prescriptive
17 operating regime for Units 1 and 2.²⁶ Hydro has estimated a 13- to 23-day repair timeline depending on
18 circumstances, should a new failure occur, and has continued to take proactive measures to reduce
19 generating unit downtime in the event of failure.

²⁴ Risks reported in prior years WR reporting related to 230 kV General Electric (“GE”) dead tank circuit breakers have been mitigated by developing plans to minimize outage duration in the event of another failure and the replacement of five breakers installed at Bay d’Espoir which have been completed as of September 26, 2024.

²⁵ In Board Order No. P.U. 6(2023), Hydro received approval for the refurbishment of Penstock 1 at Bay d’Espoir in 2023, and the project is planned for completion in 2025. Phase 2, which will see the refurbishment of Penstocks 2 and 3, is planned to commence in 2026.

²⁶ Under this operating regime, once dispatched, Units 1 and 2 are limited to a minimum loading of 50 MW and are not cycled or shut down as part of normal system operations.

1 **7.1.2 Hinds Lake Unit Vibration and Shaft Seal Leakage**

2 Leading up to the annual outage in 2024, the Hinds Lake Unit experienced higher than normal vibration
3 levels and shaft seal leakage rates. Upon further investigation, no immediate concerns were identified
4 with the equipment and measures were taken to further mitigate risk.

5 The Hinds Lake Unit will be available at full capacity this coming winter. Hydro continues to monitor
6 both issues, and to mitigate risk should concerns worsen, Hydro has proceeded with the procurement of
7 bearing components and replacement parts for the shaft seal to ensure they are on hand in the event an
8 outage is required.²⁷ If unit condition does not worsen, Hydro intends to replace the procured parts
9 during the planned 2026 overhaul.

10 **7.1.3 Bay d’Espoir Unit 7 Generating Bearing Coolers**

11 During the return to service of Bay d’Espoir Unit 7 following the 2024 scheduled annual outage, Hydro
12 experienced leaks in generating bearing coolers, resulting in a forced outage which lasted 13 days.

13 Initial investigation revealed that all four bearing coolers had experienced tube failures. Hydro used two
14 available spares in inventory and worked with a local fabricator to assemble the outstanding coolers and
15 return the unit to service in August 2024.

16 Hydro has initiated procurement of two new coolers with anticipated delivery in November 2024;
17 however, it is unlikely that installation will occur prior to the winter operating season. In the near-term,
18 Hydro has identified that there is a risk of the re-assembled coolers developing a leak, which would
19 result in an outage of approximately six to seven days to install the new coolers.

20 **7.2 Holyrood Thermal Generating Station Operations**

21 In accordance with capacity requirements as specified by Hydro in 2024 Resource Adequacy Plan,²⁸
22 Hydro has recommended that all three Holyrood TGS units are to remain available through the “Bridging
23 Period” while Hydro seeks to develop new long-term sources of supply.²⁹

²⁷ Procurement is ongoing within Hydro’s Hydraulic In-Service Failure Program.

²⁸ “2024 Resource Adequacy Plan – An Update to the Reliability and Resource Adequacy Study,” Newfoundland and Labrador Hydro, rev. 2 (originally filed July 9, 2024).

²⁹ Hydro considers the Bridging Period to be from 2023 to 2030. During the Bridging Period, the system would rely primarily on existing sources of generation capacity to maintain reliability while new generation capacity is being built. The primary, readily available supply options in this period are extending the retirements of the Holyrood TGS, Stephenville Gas Turbine and the Hardwoods GT until their capacities can be adequately replaced.

1 In 2024, Hydro is completing an assessment of costs beyond 2030 and a refresh of the capital plan
2 presented in the 2021 Life Extension Condition 1 Assessment (“LECA”) Study.^{30,31} It is recognized that
3 increased age can result in an increased risk of in-service failures. Hydro mitigates this risk through
4 regular overhaul programs on major components, increased condition assessment work, and a robust
5 critical spares program.

6 Hydro anticipates that Units 2 and 3 at the Holyrood TGS will be fully available by December 1, 2024. As
7 discussed in Section 7.2.3, Unit 1 is undergoing major overhaul of the steam turbine and, due to
8 unexpected found work during this project, its return to service date has been extended to mid-January
9 2025. Items influencing WR and/or reliable operations are identified in Sections 7.2.1 to 7.2.6.

10 **7.2.1 Unit 3 Steam Chest Crack**

11 Hydro has been monitoring a crack in the Unit 3 turbine steam chest since 1998. A repair completed by
12 the OEM in 2001 was expected to prevent further crack growth for approximately 15 to 25 years. In
13 2019, some growth was observed, and a study completed by the OEM in February 2023 recommended
14 re-inspection of the crack after nine start-stop cycles. As the 2024 inspection found no crack growth, the
15 unit is cleared for operation for the 2024–2025 winter. Should stop-start cycles be kept within the
16 normal range for this unit, no further inspection of the crack will be required until summer 2025.³²
17 Hydro intends to remediate this crack in 2025 under the proposed project to overhaul the Unit 3 steam
18 turbine.³³

19 **7.2.2 Unit Boiler Tubes**

20 Each of the three thermal generating units at the Holyrood TGS has a boiler that contains tubes, the
21 failure of which are a common issue in thermal power plants.³⁴ To mitigate the possibility of tube
22 failures, Hydro conducts a thorough annual tube inspection and test program, which was executed

³⁰ “Assessment to Determine the Potential Long-Term Viability of the Holyrood Thermal Generating Station,” Newfoundland and Labrador Hydro, March 31, 2022, att. 2.

³¹ This refresh will consider the required capital investments for the continued operation of the Holyrood TGS to 2030 and beyond as necessary to aid future analysis. As noted in correspondence “*Reliability and Resource Adequacy Study Review – Planned Reports, Studies and Analyses – Response to Further Comments and Directions*,” Newfoundland and Labrador Hydro, January 19, 2024, Hatch has been requested to assess the costs associated with life extension up to 2035; however, Hydro does not intend to keep Holyrood TGS in operation for this full period.

³² It is highly unlikely that the number of start-stop cycles will surpass the normal range for this unit; however, if they do, another inspection of the crack will be required, resulting in a unit outage of approximately two to three weeks.

³³ Included in the scope of the “2025 Capital Budget Application,” Newfoundland and Labrador Hydro, July 16, 2024, sch. 7, prog. 1.

³⁴ Boiler tube failures are a common issue in thermal power plants due to the inherent design, which requires relatively thin walls for heat transfer to be subjected to high temperatures and stresses.

1 during the 2024 annual outage season, and is scheduled to reoccur in 2025. Hydro has determined that
2 the boiler tube sections as a whole are in good condition; however, tube failures continue to pose a risk.
3 Hydro maintains a thorough selection of spare tube material and a contract with an experienced boiler
4 contractor for the provision of emergency repairs in the event of tube failures.

5 **7.2.3 Unit 1 and 2 Turbine Last Stage Blades**

6 Following the 2021 discovery and repair of a crack on one of the last stage blades (“LSBs”), or L-0 blades,
7 on the turbine rotor of Unit 1³⁵ the OEM, GE identified both Unit 1 and Unit 2 as being at risk of L-0
8 blade failure due to similar age and operating history. Rotor in-situ inspections completed in spring 2023
9 found Unit 2 to be at higher risk, as three cracks were found on Unit 2, and none on Unit 1.

10 In 2023, Hydro proceeded with an approved project to replace the L-0 blades on Unit 2, and during
11 execution it was found that the second LSBs, or L-1 blades, also required replacement. Although the
12 OEM considers it to be low, some risk to unit operation remains, due to higher than expected bearing
13 vibration readings. While readings are within the acceptable range for long-term unrestricted operation,
14 the OEM expects further operation of the unit to have a positive impact on vibration, which will be
15 confirmed when the unit returns to service.

16 The approved project to overhaul the Unit 1 turbine and replace the L-0 and L-1 blades³⁶ on this unit is
17 currently in progress at the GE shop in the USA. Blade replacement is complete; however, it was found
18 that additional work would be required to restore the bearing journals.³⁷ This additional work is nearly
19 complete, with the rotor expected to be shipped back to Holyrood in early November. As such, Unit 1 is
20 expected to return to service in mid-January 2025.³⁸

21 **7.2.4 Air Compressors**

22 As a result of a recent failure, Hydro has two of its three air compressors available for service for the
23 2024–2025 operating season. A replacement for the failed compressor has been ordered; however, site

³⁵ A spare set of LSBs were ordered when it was determined that Holyrood TGS operation would be extended; this set was delivered in May 2023 and installed in the Unit 2 turbine rotor. It is not uncommon to be without a spare set of L-0 blades due to the significant cost associated with the purchase of one set.

³⁶ “2024 Capital Budget Application,” Newfoundland and Labrador Hydro, rev. September 21, 2023 (originally filed July 12, 2023), sch. 6, prog. 2.

³⁷ Bearings support the rotating components of the turbine, such as the rotor, and allow them to rotate smoothly and efficiently. The journals are the portion of the rotor shaft that runs inside the bearing.

³⁸ Further extension is possible; however, as this project has completed the discovery phase, additional unexpected findings which may extend the return to service date of the unit are considered to be unlikely.

1 delivery is not expected until after the 2024–2025 winter season. In order to supply the necessary
2 compressed air to the various systems for which it is required, and provide system redundancy, Hydro
3 has secured a 900 CFM³⁹ portable air compressor to temporarily connect to the system. The portable air
4 compressor creates minimal risk to operational reliability, but is not ideal for long-term use. This unit
5 will remain on site and in service as required until the failed compressor is replaced.

6 **7.2.5 Fuel Tank 4 Inspection and Refurbishment**

7 The approved project is underway to complete the overhaul of Fuel Tank 4 in 2024.⁴⁰ It is expected that
8 the tank will be available for use prior to December 1, 2024, upon completion of the internal inspection
9 and refurbishment work.

10 To maintain three-tank operation, Tank 2 was kept in service as an emergency measure for the winter of
11 2023–2024 because of the Tank 1 leak that was discovered in September 2023.^{41,42} Tank 2 will be kept
12 available for service as a contingency until the Tank 4 overhaul is complete and returned to service in
13 2024, at which time Hydro will proceed with plans to retire Tank 2.⁴³

14 **7.2.6 High Pressure Feed Water Heaters**

15 In recent years, Hydro has experienced increasing difficulty in operating the high pressure (“HP”)
16 feedwater heaters, with the majority of the heaters unavailable for service during the 2023–2024
17 operating season due to tube bundle leaks.⁴⁴ The units can be operated reliably at full load without the
18 HP feedwater heaters in service; however, extended operation without the heaters can cause
19 premature failures of turbine and boiler components.

20 In 2024,⁴⁵ Hydro began a condition assessment program, under which all heaters will be opened for
21 internal inspection and tube testing over the next two years. In 2024, one heater from each unit with a

³⁹ Cubic feet per minute (“CFM”).

⁴⁰ “2024 Capital Budget Application,” Newfoundland and Labrador Hydro, rev. September 21, 2023 (originally filed July 12, 2023), sch. 6, proj. 6.

⁴¹ Removed from service in 2021 in preparation for retirement but was restored in 2023 as it was in generally better condition than Tank 2. After restoration and during return to service in September 2023, an oil leak was discovered, requiring further work on Tank 1, which was completed in spring 2024. Tank 1 is now back in service.

⁴² Please refer to the “2023–2024 Winter Readiness Planning Report,” Newfoundland and Labrador Hydro, October 13, 2023, pp. 16-17.

⁴³ “Request for Change or Modification to Board Order No. P.U. 24(2022) – Approval of Various Supplemental Capital Projects at the Holyrood Thermal Generation Station,” Newfoundland and Labrador Hydro, September 26, 2022.

⁴⁴ The HP heaters transfer heat from steam outside of the tubes to the feedwater, which then passes through the tube bundles to the boiler. Each unit contains three heaters, which are intended to improve thermal efficiency.

⁴⁵ “2024 Capital Budget Application,” Newfoundland and Labrador Hydro, rev. September 21, 2023 (originally filed July 12, 2023), sch. 6, prog. 6.

1 known tube leak was identified for assessment. The intention was that tube leaks would be corrected
2 while completing the condition assessment, with the goal of a minimum of two of the three heaters on
3 each unit returned to service for the 2024–2025 operating season.

4 Upon internal inspection, the selected heaters were found to be in worse condition than expected, with
5 two unable to be returned to service and replacement required.⁴⁶ Again for the 2024–2025 winter
6 season, most HP heaters will be unavailable; however, as the units can be operated reliably at full load
7 without the heaters in service, the risk to the Holyrood TGS for this winter operating season is low.

8 **7.3 Generator Step-Up Transformer Spares**

9 Generator Step-Up Transformer 6 (“T6S”) was repaired by the OEM in January 2024 following its failure
10 in July 2023, and is available for use as a spare at Bay d’Espoir, Granite Canal or Upper Salmon.⁴⁷

11 Hydro does not currently have a spare for the Holyrood TGS generator step-up transformers, and is in
12 the process of procuring a spare.⁴⁸ This spare is not expected to be delivered until the third quarter of
13 2028 due to increasing power transformer lead times.⁴⁹

14 **7.4 Combustion Turbine Operations**

15 Hydro anticipates that all combustion turbines will be fully available by December 1, 2024. Existing risk
16 to WR and/or reliable operations related to Combustion Turbine operations are discussed in Section
17 7.5.1.

18 **7.4.1 Hardwoods Gas Turbine – End A Engine Overhaul**

19 During a recent inspection, internal damage was found on the high-pressure turbine normal guide vane
20 seals of the engine installed in End A at the Hardwoods GT. While the damage was relatively minor in
21 nature, the location of the damage and age of the engine will require that the engine be removed from
22 service and sent to a facility for overhaul, to eliminate the risk of a catastrophic failure. The damaged

⁴⁶ Hydro is currently assessing a path forward regarding the failed heaters, which may involve the proposal of a supplemental capital budget application for heater replacement in the near future.

⁴⁷ Cat Arm also has a spare on site; however, the spare can only be used at that facility due to the connection to the Gas Insulated Switchgear (“GIS”) at that location.

⁴⁸ “Purchase Spare Generator Step-Up Transformer,” Newfoundland and Labrador Hydro, September 21, 2023, approved in Board Order No. P.U. 28(2023).

⁴⁹ In the previous report, this spare was expected to be delivered in 2026; however, delivery is now expected in 2028 due to increasing power transformer lead times.

1 engine will be removed and its spare installed during the planned maintenance outage from October 27
2 to November 9, 2024.

3 The damaged engine is not expected to be returned from the overhaul facility until after the 2024–2025
4 winter operating season. Hydro will not have a spare engine onsite until the return of the repaired
5 engine, and has developed contingency plans should an operational issue occur in Hardwoods. Hydro’s
6 service provider has an additional lease engine available which Hydro can avail of should operational
7 issues occur which requires an engine replacement prior to the return of the spare engine.

8 **7.5 Transmission and Terminal Stations**

9 Existing risk to WR and/or reliable operations related to Hydro’s Transmission and Terminal Station
10 assets are discussed in Sections 7.5.1 and 7.5.2.

11 **7.5.1 Bay d’Espoir B1B10-2 Replacement**

12 The Bay d’Espoir Disconnect Switch B1B10-2 replacement was originally planned for installation in 2023,
13 but was carried over to 2024 due to late delivery of the new disconnect switch. The B1B10-2
14 replacement is now planned to carry over to 2025, as the scope of work requires the usage of a 100-foot
15 insulated aerial device which is not expected to arrive onsite prior to the 2024 outage period.⁵⁰ The
16 overall risk to reliability is low; however, to minimize risk this winter, B1B10-2 is currently bypassed to
17 avoid any potential system impacts as a result of switching. An infrared scan of the bypassed
18 connections will be completed in the fourth quarter of 2024.

19 **7.5.2 St. Anthony Diesel Plant Transformer T1 Tap Changer Refurbishment**

20 The planned refurbishment of St. Anthony Transformer 1 (“T1”) tap changer was completed by the OEM
21 in June 2023, but an additional issue was discovered that prevented it from being placed back into
22 service. To minimize customer reliability risks that winter, Hydro’s mobile substation was planned to
23 remain in service until the issue with the St. Anthony T1 tap changer was resolved. The proposed
24 solution (i.e. the replacement of a tap changer component) was completed in April 2024; however, the
25 issue was not addressed. To mitigate risk, a temperature monitoring device was installed on the
26 transformer as recommended by the OEM. T1 was subsequently restored on May 29, 2024, and Hydro’s
27 mobile substation was removed from service.

⁵⁰ The aerial device is required to ensure Bus 10 at Bay d’Espoir can remain in service for the duration of the work.

1 As of September 2024, monitoring does not indicate any further deterioration of the tap changer. The
2 solution now, as proposed by the OEM, is replacement of the tap changer in 2025. Hydro continues to
3 monitor for further deterioration of the tap changer, and should its condition change to be a threat to
4 customer reliability this winter, Hydro’s mobile substation will be installed.

5 **7.6 Muskrat Falls Assets**

6 All Muskrat Falls assets are fully available by December 1, 2024, aside from a planned outage to Muskrat
7 Falls Unit 2. Existing risk to WR and/or reliable operations related to these assets is discussed in Sections
8 7.6.1 to 7.6.8.

9 **7.6.1 Repair Muskrat Falls Unit 2 Turbine**

10 This program is to repair the Unit 2 turbine, which will result in the unit being unavailable for the 2024–
11 2025 winter season. The expected return to service date for this generating unit is mid-May 2025.

12 As recommended by the OEM and reported by The Liberty Consulting Group in its June 2023 monitoring
13 report, vibration issues observed on Unit 2 require permanent corrective action, including full unit
14 dismantling, to be completed under warranty by the turbine OEM.⁵¹ There have been no issues with
15 vibration, or the identification of other characteristics through internal inspections which would indicate
16 a problem similar to that of Unit 2 on Units 1, 3 or 4.⁵²

17 The planned outage of Unit 2 does not impact WR, as three units generating at Muskrat Falls are
18 sufficient to support LIL deliveries to the Island Interconnected System, as well as firm contractual
19 commitments to Nova Scotia. Island Interconnected System demand can also be supported by the
20 Recapture Energy from Churchill Falls,⁵³ if required.

21 **7.6.2 Muskrat Falls Unit 1 Intake – Concrete Spalling**

22 During the planned annual outage to Unit 1, loose concrete was observed in the turbine scroll case. As a
23 result of some concrete passing through the turbine, further inspection indicated some scuffing on the

⁵¹ “Nineteenth Quarterly Monitoring Report on the Integration of Power Supply Facilities to the Island Interconnected System,” The Liberty Consulting Group, June 8, 2023.

⁵² Internal inspections have been completed on Unit 1 and Unit 3 turbines, with an internal inspection of Unit 4’s turbine tentatively scheduled for 2026.

⁵³ Also known as the “Recapture Block”, it is a source of 300 MW of capacity at a 90% monthly load factor available at a defined point near the Québec to Labrador border.

1 wicket gate lower operating ring, which has since been repaired. This damage did not affect the unit’s
2 output or availability.

3 ROV⁵⁴ inspection of the intake civil works identified an area where concrete had cracked and dislodged.
4 A specialized team is traveling to site during the week of October 7, 2024, to assess the condition of the
5 remaining concrete in the area where spalling had been observed. The requirement for further remedial
6 action will be determined upon completion of this inspection. If the risk of further concrete spalling
7 appears low, Unit 1 will be returned to service, with a final repair to the intake civil works planned
8 during next year's annual outage.

9 **7.6.3 OPGW Tower Peak and Top Plate Design**

10 During December 2022, and February and March 2024, failure of the OPGW tower peaks occurred in
11 heavy ice loading conditions, and there were two failures at the connection of the OPGW top plate
12 during an icing event on the line in December 2022. The incidents involving these tower components did
13 not cause a prolonged LIL outage; however, brief outages were required to repair the damage.

14 The root cause of the tower peak issue was determined to be unbalanced icing. Hydro is in the process
15 of executing a project to determine a new unbalanced ice load criterion, and complete a design and cost
16 estimate to reinforce the towers for these loads. The design and cost estimate will be completed in the
17 first quarter of 2025.

18 The root cause of the top plate issue was determined to be an error in the connection design. The
19 connection on the top plate was not suitable for the design ice loads. An analysis was completed to
20 determine which towers would be affected by this issue, with 63 towers identified. The A3 towers,
21 which account for 61 of the affected towers, will be repaired by December 1, 2024. The two remaining
22 structures are A4 towers, a design for which will be completed in the first quarter of 2025.

23 To mitigate risk should a similar incident occur this coming winter, Hydro has its Emergency Response
24 Plan in place, and has proceeded with the procurement of required materials to ensure they are on
25 hand in the event a repair is required.

⁵⁴ Remote operated vehicle (“ROV”).

1 **7.6.4 Electrode Conductors**

2 During December 2022 and March 2024 there were issues with the electrode conductor during
3 significant ice loading; the root cause of which was determined to be overloading due to ice and ice
4 shedding.

5 Additional conductor testing has been completed from the incident in March 2024, with further
6 recommendations expected from that investigation report once complete. Three alternative suspension
7 clamp designs have been installed on the electrode conductor at ten structures and will be inspected
8 yearly for performance. An assessment of the electrode suspension assembly will be completed in the
9 first quarter of 2025. To mitigate risk should a similar incident occur this coming winter, Hydro has its
10 Emergency Response Plan in place, and has proceeded with the procurement of required materials to
11 ensure they are on hand in the event a repair is required.

12 **7.6.5 DCCT Cold Weather Operation**

13 In 2023, the OEM and Hydro’s Engineering teams determined that low ambient temperatures in the
14 Muskrat Falls high-voltage direct current (“HVdc”) Converter Station were influencing the measurement
15 accuracy of DC current transformers (“DCCT”), resulting in false protection trips and power control
16 issues on the LIL. The OEM identified the root cause of the issue to be a manufacturing defect with the
17 Delay Coil Fiber Optical Cable located within the DCCTs; this issue occurred with a select batch of fiber
18 optic cables, affecting five DCCTs at the Muskrat Falls HVdc Converter Station, which have since been
19 replaced.⁵⁵

20 Recently, the OEM discovered additional DCCTs that require replacement due to cold temperature
21 issues. The overall impact to operations is under review, with mitigation measures to be determined in
22 consultation with the OEM. An update will be provided in the November 2024 filing of the 2024–2025
23 Winter Readiness Planning Report.

24 **7.6.6 Cable Switching Transients**

25 In 2023, an issue with cable transients during switching of the Strait of Belle Isle cables at the transition
26 compounds in Shoal Cove and Forteau Point was identified. Hydro is working with GE and equipment
27 suppliers to ensure that necessary equipment and supplies are in place to complete repairs, with plans
28 to install new equipment in mid-October 2024 and complete testing. Once testing is complete and

⁵⁵ One of these DCCTs has an operation rating to -40 °C, and will be replaced with a DCCT rated to -50 °C as soon as is practical.

1 confirmation is obtained that modifications have addressed the transients, this issue will no longer
2 restrict LIL dispatch levels or the completion of the 900 MW test.

3 **7.6.7 Synchronous Condenser Brush Gear Assemblies**

4 Brush equipment performance on the Soldiers Pond synchronous condensers decreased in
5 December 2023, resulting in several scheduled outages to replace damaged brushes, springs and brush
6 holders.

7 Hydro’s Engineering team, with the OEM for the brush equipment and synchronous condensers have
8 been working to identify the root cause of the brush performance issues. Multiple actions have been
9 taken to improve the reliability of the synchronous condensers for this winter, including:

- 10 • 12 brushes per ring removed (24 total) on each unit to increase the current density (heat) on
11 remaining brushes in an effort to improve patina development⁵⁶ and overall brushgear
12 performance;
- 13 • Maintaining the machine hall temperature near 20°C;
- 14 • Nord-lock washers installed on holders to lessen the likelihood of brush holders vibrating loose
15 and contacting the running face of the slip ring;
- 16 • Humidity levels being measured and trended by Hydro’s Engineering team to ensure brushes are
17 operating in ideal conditions to support patina development;
- 18 • Managing system voltages to increase load on synchronous condensers (i.e. increase current
19 density); and
- 20 • Regular inspections performed to identify changes in performance, allowing for early
21 intervention prior to damages.

22 In spring 2024, the existing slip ring was removed from synchronous condenser 1 (“SC1”), and sent for
23 machining to correct a runout causing excessive brush vibration. At this time, a modified brush with the
24 ability to operate in a higher vibration environment was also provided by the OEM and installed. These
25 modifications have resulted in improved performance to date. Hydro’s Engineering and Operations
26 teams will continue to monitor the overall impact of these changes, with the potential to complete this

⁵⁶ During operation a protective film, or patina, is automatically formed on the surface of the slip ring, at the interface point between the brush face and ring surface. When formed properly, this film reduces brush wear to the lowest possible level, and is essential to ensure optimum operation of the brushes.

1 work on SC2 and SC3 in 2025. Additionally, GE has been working with a different brushgear
2 manufacturer, and has proposed a different brush assembly with a more robust spring design to lessen
3 the likelihood of spring failure. This design will be installed on SC3 for performance evaluation in early
4 spring 2025.

5 **7.6.8 LTA GIS Wiring Issue**

6 During an outage in the Muskrat Falls Terminal Station to complete planned GIS maintenance with the
7 OEM, a ground fault in control circuitry resulted in an inadvertent circuit breaker operation during
8 testing. This event resulted in the isolation of elements connected at the terminal station and an outage
9 to the LIL and Muskrat Falls generation. This resulted in a cascading event that caused a brief customer
10 outage to Happy Valley-Goose Bay and the Island. This resulted in the planned maintenance being
11 stopped until an investigation into root cause could be completed.

12 Through field troubleshooting, it was determined that the root cause was a wiring issue with the breaker
13 that caused the trip. The team rewired the circuit and the issue has been resolved; however, the
14 completion of remaining preventative maintenance work is competing with other critical work already
15 scheduled, as there remains limited resources and outage availability.

16 Hydro is working with the OEM to determine if opportunities are available to complete remaining PM
17 work this fall; however, with the immediate issue resolved, the risk of deferral of the remaining PM
18 work is low. Hydro is actively reviewing work scopes to prioritize the completion of the most critical
19 work where possible and minimize the impact to WR.

20 **7.7 System Energy Capability**

21 In order to reliably serve customers, Hydro maintains minimum limits for aggregate energy storage in its
22 major hydroelectric reservoirs on the Island Interconnected System. These limits are developed annually
23 to ensure that Hydro is capable of meeting customer demands throughout the year in the event of a
24 repeat of Hydro's critical dry sequence.⁵⁷ The limits are established such that Hydro will have sufficient
25 hydraulic storage to be able to meet load in this critical sequence, or another less severe sequence,
26 through the use of Island hydraulic production supplemented with maximized deliveries of energy to the

⁵⁷ Hydro's long-term critical dry sequence is defined as January 1959 to March 1962 (39 months). Other dry periods are also considered during this analysis to ensure that no other shorter-term historic dry sequence could result in insufficient storage.

1 Island from Labrador over the LIL. This includes energy from Muskrat Falls as well as recapture energy
2 available to Hydro from the Churchill Falls Hydroelectric Generating Station.

3 The 2024–2025 limits also assumes two Holyrood TGS units will be online at minimum output during
4 winter 2024–2025, and does not include the use of standby thermal generation to support reservoir
5 storage. The minimum storage methodology ensures Hydro’s reservoirs can continue to provide reliable
6 least-cost service to customers in an environmentally responsible manner by supporting Island load with
7 hydroelectric energy instead of thermal energy to the extent possible.⁵⁸

8 Since May 2024, Hydro’s Island reservoirs have experienced persistent below average inflows, as
9 reported in Hydro’s Monthly Energy Supply reports. Portions of the province have also experienced
10 drought conditions, including in the area of the Bay d’Espoir system. Overall inflows to the reservoirs of
11 the Island Interconnected System were 54% of the historical average in May 2024, followed by 82% of
12 average for the month of June. Later months have seen inflows further below average, with July and
13 August 2024 inflows at 24% and 18% of average, respectively. In September, inflows were 9% of average
14 as the ongoing dry weather has persisted into early fall.

15 Since mid-June, Island system storage has steadily declined due to ongoing low inflows. As of
16 September 30, 2024, aggregate reservoir storage was 1,478 GWh, which is 60% of the maximum
17 operating level and approximately 111 GWh above the minimum storage limit for the end of September.
18 Figure 1 plots the 2023 and 2024 storage levels, maximum operating level storage, and the 20-year
19 average aggregate storage as of September 30, 2024 for comparison.

⁵⁸ The limits also do not consider the availability of imports over the Maritime Link, though imports can provide an additional opportunity to supplement storage and economically reduce the amount of thermal generation required to maintain sufficient energy in storage in the event that import opportunities arise.

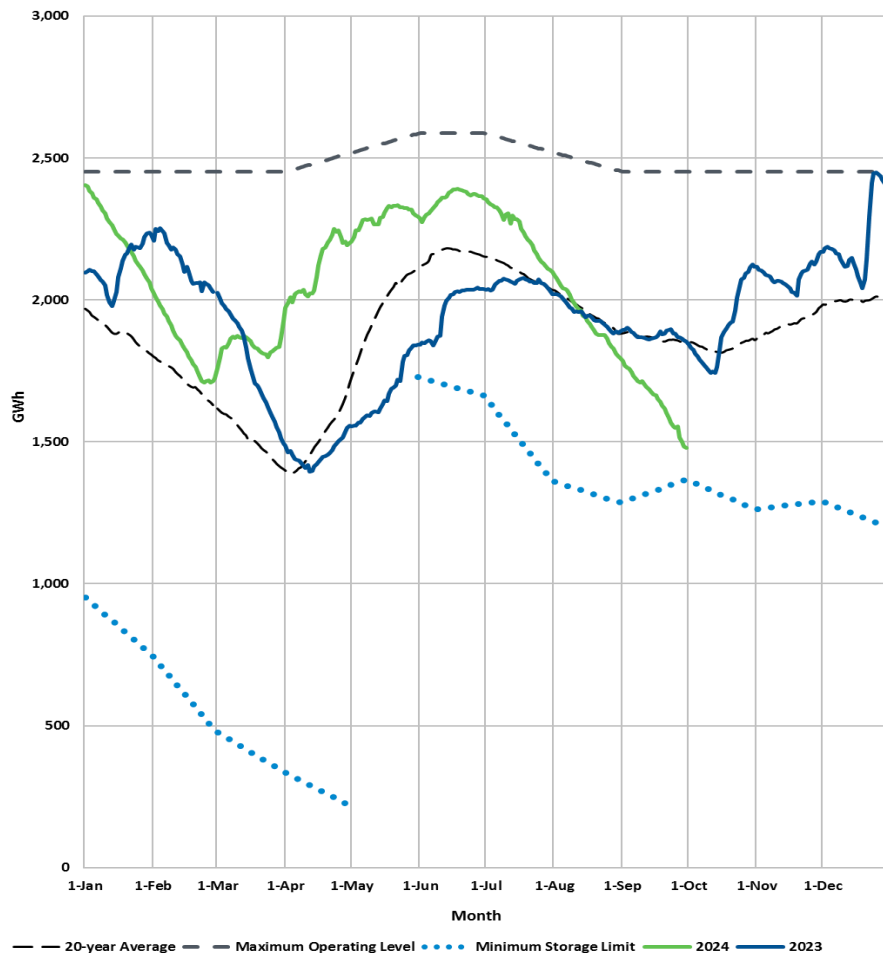


Figure 1: Total System Energy Storage as of September 30, 2024

- 1 To slow the decline of system storage, Hydro began requesting imports over the Maritime Link to
- 2 supplement reservoir storage while the LIL was on a planned bipole outage. Imports were authorized
- 3 starting on September 26, 2024 and concluded on October 3, 2024 when the LIL returned to service in
- 4 monopole mode. Approximately 1.4 GWh⁵⁹ of non-firm energy was imported to the Island during this
- 5 period. Deliveries of energy to the Island Interconnected System from Labrador via the LIL are also being
- 6 maximized to the extent possible to support Island reservoir storage.

- 7 In the event that the current dry hydrologic conditions persist, there is the potential that thermal
- 8 generation from the Holyrood TGS above minimum will be required to support Island reservoir storage

⁵⁹ 1,448 MWh, measured at Bottom Brook Converter Station.

1 in order to ensure that sufficient storage remains to meet winter demand. Hydro will continue to closely
2 monitor Island storage and inflows at both the overall system and the individual reservoir level.

3 **8.0 Conclusion**

4 Hydro is progressing towards completion of its AWP and WR activities. Hydro anticipates the full
5 availability of generation sources by December 1, 2024, with the exception of Unit 1 at the Holyrood TGS
6 and Unit 2 at Muskrat Falls. Unit 1's return to service is extended to mid-January 2025 due to the
7 additional work required during the Overhaul Unit 1 Turbine Valves and Generator Program to refurbish
8 the turbine rotor. The Unit 2 turbine at Muskrat Falls is planned to undergo repair, which will result in
9 the unit being unavailable for the 2024–2025 winter season. The expected return to service date for this
10 generating unit is mid-May 2025. Hydro will continue to monitor progress and mitigate work execution
11 risks.

12 Hydro will continue to monitor the risks to WR as reported in Section 7.0 and provide a further update in
13 its next 2024–2025 Winter Readiness Planning Report, scheduled to be filed on November 12, 2024.

Appendix A

Status of Capital Projects and Programs Related to Winter Readiness





**Status of Planned Winter Readiness Scope
in 2024 Capital Projects and Programs
on the Island and Labrador Interconnected Systems**

Asset Category	Project or Program Title	Expected Completion of Winter Readiness Scope (1-Oct-2024 Update)
Hydraulic Generation	Various Locations - Overhaul Hydraulic Units (2024)	Complete
Thermal Generation	Holyrood - Upgrade Turbine Control System Unit 2	Complete
Thermal Generation	Holyrood - Tank 1 Refurbishment	Complete
Thermal Generation	Holyrood - Overhaul Unit 2 Turbine Valves (2023)	Complete
Thermal Generation	Holyrood - Purchase and Replace Last Stage Blades - Units 1 and 2	Complete
Thermal Generation	Holyrood - Overhaul Marine Terminal Loading Arms	Complete
Thermal Generation	Holyrood - Refurbish Fuel Oil Storage Tank 4 (2024)	11-Oct-2024
Thermal Generation	Holyrood - Overhaul Pumps (2024)	21-Oct-2024
Thermal Generation	Holyrood - Boiler Condition Assessment and Miscellaneous Upgrades (2024)	15-Nov-2024
Thermal Generation	Holyrood - Overhaul Unit 1 Turbine Valves and Generator (2024)	15-Jan-2025
Combustion Turbine Generation	Happy Valley – Replace Human Machine Interface	Complete
Combustion Turbine Generation	Holyrood - Perform Combustor Inspection	30-Nov-2024
Terminal Stations	Various Locations - Refurbish and Upgrade Power Transformers (2023-2024) ¹	Complete
Terminal Stations	Various Locations - Replace Protective Relays (2023-2024) ¹	Complete
Terminal Stations	Various Locations - Circuit Breakers Renewal Program (2023–2024)	26-Nov-2024
Telecontrol	Various Locations - Replace Power Line Carrier – TL223 and TL224	28-Oct-2024
Telecontrol	Various Locations - Replace 48 V Battery Banks and Chargers (2024)	29-Nov-2024

¹ This program is part of the Terminal Station Renewal Program (2023–2024).

Appendix B

Status of Winter Readiness Testing of Plant and Equipment for Thermal Generation





**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
Balance of Plant		

Plant: Holyrood Operations			
Following Annual Outages, Unit is Run Up, Synchronized and all Systems Verified Before Operating Status Determined, as per Energy Control Centre ("ECC"), Prior to Coming Winter Operating Season to Ensure Preparedness. A Unit Load Test is Performed at This Time.	S/U	S/U	S/U
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 V Motors Prior to the Winter Operating Season	Y	Y	Y

Safety			
Boiler Service Pressure Test Performed as Required by Regulator	S/U	S/U	S/U
Safety Valves Testing as Required (Post Start-Up)	S/U	S/U	S/U
Boiler Operational Offline High/Low Drum Level Trip Tests	S/U	S/U	S/U
Hydrogen ("H ₂ ") Emergency Venting Valving	S/U	S/U	S/U
Breaker and Disconnect Operation Verified by Operations Department and Whitbourne Crew	S/U	S/U	S/U

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 Standby/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	Y	Y	Y
Portable Diesel Pump Check of Emergency Plant Water Supply from Quarry Brook Dam	N/A	N/A	N/A
Adequate and Readily Available Supply of Hoses for the Portable Diesel Pump from Quarry Brook Dam to Plant	N/A	N/A	N/A

S/U - Final confirmation completed during Start Up. When possible, test also completed during annual outage.

Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
		Balance of Plant

Raw and Makeup Water System and Water Treatment Plant			
Instrumentation and Controls Operational	S/U	S/U	Y
Analytical Rack Sample Cooler Filters Cleaned/Replaced as Required	S/U	S/U	Y
Analytical Rack Sample Coolers Cooling Water In Service	S/U	S/U	Y
Two Sample Cooling Water Pumps Availability	N/A	N/A	N/A

Clarifier			
Clarifier Recirculator, Variable Frequency Drive ("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

Sand Filters			
Sand Filters (Nos. 1, 2 and 3) Resin Integrity	N/A	N/A	N/A
Sand Filters (Nos. 1, 2 and 3) Valve Operation (Normal and Backwashing, etc.)	N/A	N/A	N/A
Two Clearwell Pumps Available	N/A	N/A	N/A

Deminerlization System			
Cation and Anion Trains (A, B and 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 and Caustic Soda Transfer Pumps, Valves, Lines, etc.	N/A	N/A	N/A
Sulphuric Acid and 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

S/U - Final confirmation completed during Start Up. When possible, test also completed during annual outage.

Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



Holyrood Thermal Generating Station
Winter Readiness Testing

25-Sep-24

Status of Test			
Unit 1	Unit 2	Unit 3	Balance of Plant

Reserve Feedwater System ("RFW")				
RFW Transfer Pump Oil Normal Operating Level	S/U	S/U	Y	N/A
RFW Transfer Pumps Operational	S/U	S/U	Y	N/A

Circulating Water ("CW") and Screen Wash System				
Vacuum Seal Pits Operational	S/U	S/U	Y	N/A
All CW Travelling Screens Operational	S/U	S/U	Y	N/A
CW Pump Motorized Discharge Valves 'Manual' and 'Auto', 'Cracked' Position Operation Verified	S/U	S/U	S/U	N/A
CW Pump Motors Oil Normal Operating Level	S/U	S/U	Y	N/A
CW Pumps Operational	S/U	S/U	S/U	N/A
CW Pump Discharge Vacuum Breakers Operational	S/U	S/U	S/U	N/A
CW Travelling Screens Wash Pumps Operational	S/U	S/U	Y	N/A
Condenser Flushed	S/U	S/U	S/U	N/A
Condenser Backwashed	S/U	S/U	S/U	N/A
General Service ("GS") Coolers Backwashed, Cleaned, etc.	S/U	S/U	Y	N/A
Turbine/Generator ("TG") Coolers Backwashed, Cleaned, etc.	S/U	S/U	Y	N/A
Vacuum Pump Coolers Backwashed, Cleaned, etc.	S/U	S/U	S/U	N/A

Boiler				
Pre-Outage Valve Survey Conducted of Boiler Drains	Y	Y	Y	N/A
Service Pressure Test on Boiler for Tube Leaks	S/U	S/U	Y	N/A

Condenser Air Extraction System				
Vacuum Pumps Available and Tested for Standby 'Auto-Start'	S/U	S/U	S/U	N/A
Vacuum Pump Seal Water Tank Water Level Controller Operational	S/U	S/U	S/U	N/A
Vacuum Pump Seal Water Pump Operational	S/U	S/U	S/U	N/A
Condenser Vacuum Breakers Operational	S/U	S/U	S/U	N/A

S/U - Final confirmation completed during Start Up. When possible, test also completed during annual outage.

Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test			
Unit 1	Unit 2	Unit 3	Balance of Plant

High Pressure ("HP") Feedwater System	Unit 1	Unit 2	Unit 3	Balance of Plant
Boiler Feed Pumps				
Boiler Feed Pumps Available	S/U	S/U	S/U	N/A
Boiler Feed Pump Oil Tank Normal Operating Level and Checked for Moisture Content	S/U	S/U	S/U	N/A
Boiler Feed Pump Auxiliary Oil Pumps Available	S/U	S/U	S/U	N/A
Boiler Feed Pump Suction Valves and Limit Switches	S/U	S/U	S/U	N/A
Boiler Feed Pump Emergency Gland Seal Injection Pump Available	S/U	S/U	S/U	N/A
Boiler Feed Pump Emergency Gland Seal Pump Oil Normal Operating Level	S/U	S/U	S/U	N/A
Boiler Feed Pump Gland Seal Water Available from the Emergency Pump and Condensate Extraction Pumps	S/U	S/U	S/U	N/A
Boiler Feed Pump Gland Seal Water Control Valve Operational	S/U	S/U	S/U	N/A
Boiler Feed Pump Gland Seal Water Drains Tank Level Float Operated Valve Operational (Units 1 and 2)	S/U	S/U	N/A	N/A
Boiler Feed Pump Gland Seal Water Transfer Pumps Operational (Units 1 and 2)	S/U	S/U	N/A	N/A
Boiler Feed Pump Gland Seal Water Drains Tank Level Control Valve Operational (Unit 3)	N/A	N/A	S/U	N/A
Boiler Feed Pump Gland Seal Water Transfer Pumps Operational (Unit 3)	N/A	N/A	S/U	N/A
Boiler Feed Pump Recirculation Control Valves Operational	S/U	S/U	S/U	N/A
Boiler Feed Pump Motorized Discharge Pilot and Main Valves Operational	S/U	S/U	S/U	N/A
Low Load Feedwater Isolator and Control Valves Operational	S/U	S/U	S/U	N/A
Main Feedwater Isolator and Control Valves Operational	S/U	S/U	S/U	N/A
HP Heater Motorized Valves (Inlet, Outlet and Bypass) Checked for Proper Operation, Sequencing, etc.	S/U	S/U	S/U	N/A

S/U - Final confirmation completed during Start Up. When possible, test also completed during annual outage.

Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
		Balance of Plant

Miscellaneous	S/U	S/U	S/U	S/U	S/U	S/U	S/U	S/U	S/U
Economizer 'Manual' Operated Valve Operational									N/A
Economizer Motorized Recirculation Valve Operational (Unit 3)									N/A
Boiler Drum Level Instrumentation Operational									N/A
HP Heater Bled Steam Check Valves Operational									N/A
Start-Up Desuperheater Steam and Water Valving Operation/Position Verified									N/A
Main Steam and Reheat Steam Desuperheater Spray Water Isolators and Control Valves Operational									N/A
Auxiliary Steam Desuperheater Spray Water Control Valve Operational (Unit 3)									N/A

Low Pressure ("LP") Feedwater System	S/U	S/U	S/U	S/U	S/U	S/U	S/U	S/U	S/U
Condenser									
Condenser Hotwell Makeup/Surplus Control Valves Operation Verified									N/A
Condenser Hotwell Makeup Motorized Isolating Valve Operation Verified									N/A
Condenser Dye Test for Leaks, as Required								Y	N/A

Ammonia and Control System	Y	Y	Y	Y	Y	Y	Y	Y	Y
Adequate Supply in Place									
Pumps Operational									N/A
Control Instrumentation Operational									N/A

Condensate Extraction Pumps	S/U	S/U	S/U	S/U	S/U	S/U	S/U	S/U	S/U
Condensate Extraction Pumps Available									
Condensate Extraction Pump Motors Bearing Oil Normal Operating Level									N/A
Condensate Extraction Pump Motor Cooling Water Available (Unit 3)								Y	N/A

S/U - Final confirmation completed during Start Up. When possible, test also completed during annual outage.
 Y - Test completed.
 N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



Holyrood Thermal Generating Station
Winter Readiness Testing

25-Sep-24

Status of Test			
Unit 1	Unit 2	Unit 3	Balance of Plant

Condensate Polishers				
Resin Integrity Verified	S/U	S/U	Y	N/A
Two Polishers Rinsed and Available	S/U	S/U	Y	N/A
Valve Operation (Normal and Regenerating, etc.)	S/U	S/U	Y	N/A
Regeneration System Skids Available (Valving, Pumps, Plovers, Tanks, etc.)	S/U	S/U	Y	N/A
Condensate Polisher Bypass Control Valve Operational	S/U	S/U	Y	N/A

LP Heaters				
Low Load Recirculation Control Valve Operation	S/U	S/U	S/U	N/A

Deaerator				
Deaerator Normal Operating Level	S/U	S/U	S/U	N/A
Deaerator Steam Coil Operational	S/U	S/U	S/U	N/A
Deaerator Pegging Steam Operational	S/U	S/U	S/U	N/A
Deaerator Low Level Trip Test	S/U	S/U	S/U	N/A

Miscellaneous				
Condenser Flash Tank Control Valve Operation/Position	S/U	S/U	S/U	N/A
Turbine LP Exhaust Hood Spray Motorized Valve Operation	S/U	S/U	S/U	N/A
Start-Up Desuperheater Steam and Water Valving Operational (Units 1 and 2)	S/U	S/U	N/A	N/A
LP Heater Bled Steam Check Valves Operational	S/U	S/U	S/U	N/A

Bled Steam and Heater Drains System				
LP and HP Instrumentation and Control Operational	S/U	S/U	S/U	N/A
LP and HP Heater Level Control Operational	S/U	S/U	S/U	N/A
LP Heater Condensate Drains Pumps Operational	S/U	S/U	S/U	N/A
#4 HP Heater Condensate Drains Pump Operational	S/U	S/U	S/U	N/A

S/U - Final confirmation completed during Start Up. When possible, test also completed during annual outage.

Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
		Balance of Plant

	S/U	S/U	S/U	S/U	N/A
Air and Flue Gas System					
Instrumentation and Control Operational	S/U	S/U	S/U	S/U	N/A

	S/U	S/U	S/U	S/U	N/A
Forced Draft ("FD") Fans and Air Dampers					
Two FD Fans Available	S/U	S/U	S/U	S/U	N/A
Bearing Oil Normal Operating Level	S/U	S/U	S/U	S/U	N/A
Cooling Water on to Fans	S/U	S/U	S/U	S/U	N/A
Stroke Variable Inlet Vanes	S/U	S/U	S/U	S/U	N/A
Stroke Discharge Dampers	S/U	S/U	S/U	S/U	N/A
FD Fan Motor Variable Speed Drives Operational (Unit 1)	S/U	N/A	N/A	N/A	N/A
All Burner Auxiliary Air Dampers/Positioners Operation (Units 1 and 2)	S/U	S/U	N/A	N/A	N/A
All Elevation Air Flow Dampers/Positioners Operation (Unit 3)	N/A	N/A	S/U	S/U	N/A

	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters					
Rotary Air Heaters Operational	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters Bearing Oil (Top and Bottom) Normal Operating Level	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters Bearing Cooling Water On	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters Electric Motor Drives Operational	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters Air Supply to Air Heater Air Motor Drives Open	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters Start-Up of Air Motor Drive Upon Loss of Alternating Current ("AC") Power Supply to the Normal Operating Electric Drive Motor	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters Steam Supply Control Valves Operational (* Note: Two Steam Supplies on Units 1 and 2)	S/U	S/U	S/U	S/U	N/A
Rotary Air Heaters Sootblowers Operational	S/U	S/U	S/U	S/U	N/A

	S/U	S/U	S/U	S/U	N/A
Boiler Sootblowing System					
Sootblower Control Panel Operational	S/U	S/U	S/U	S/U	N/A
Sootblowers Steam Supply Control Valve Operational	S/U	S/U	S/U	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 Online	S/U	S/U	S/U	S/U	N/A

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Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
		Balance of Plant

Light Fuel Oil System							
Hydro Pad Operational	S/U	S/U	S/U	S/U	S/U	S/U	N/A
Light Oil Pumps Available	S/U	S/U	S/U	S/U	S/U	S/U	N/A
Pumps, Valves (Including Control and Trip), Lines, Strainers, Pressure (Locally and UCB)	S/U	S/U	S/U	S/U	S/U	S/U	N/A
Check Light Oil Supply and Return Lines to/from Plant Respectively	S/U	S/U	S/U	S/U	S/U	S/U	N/A
Suction Strainers Cleaned with Covers Secured	S/U	S/U	S/U	S/U	S/U	S/U	N/A
Ignitors Cleaned, Securely in Place with Associated Lines Securely Fastened	S/U	S/U	S/U	S/U	S/U	S/U	N/A
Ignitors all Checked for Operation During Unit Start-Up (e.g. Ignitor Control Box, Valve Operation, Lighting, etc.)	S/U	S/U	S/U	S/U	S/U	S/U	N/A

Fuel Oil Delivery System, Auxiliary Steam and Fuel Oil Piping System							
Adequate Heavy Oil Storage	N/A	N/A	N/A	N/A	N/A	N/A	Y
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	N/A	N/A	N/A	Y
Adequate Light Oil Storage	N/A	N/A	N/A	N/A	N/A	N/A	Y
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	N/A	N/A	N/A	N/A
All Storage Tanks Suction Heaters Available when Required	N/A	N/A	N/A	N/A	N/A	N/A	Y
All Storage Tanks Platform Heaters Available when Required	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auxiliary Steam for Suction Heaters Available	N/A	N/A	N/A	N/A	N/A	N/A	S/U
Auxiliary Steam for Platform Heaters Available	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Auxiliary Steam for Heat Tracing Available	N/A	N/A	N/A	N/A	N/A	N/A	S/U
Electrical Heat Tracing for Fuel Oil Lines Available	N/A	N/A	N/A	N/A	N/A	N/A	Y
Day Tank Supply Line Trip Valve Tested	N/A	N/A	N/A	N/A	N/A	N/A	Y
Day Tank Available to Receive Oil	N/A	N/A	N/A	N/A	N/A	N/A	Y
Day Tank Steam Coil Available	N/A	N/A	N/A	N/A	N/A	N/A	Y

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Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
Balance of Plant		

Fuel (Heavy) Oil System	Unit 1	Unit 2	Unit 3	Balance of Plant
Fuel Oil Heating Sets	S/U	S/U	S/U	N/A
Fuel Oil Heaters Available	S/U	S/U	S/U	N/A
Fuel Oil Heaters Cleaned and Inspected	S/U	S/U	S/U	N/A
Steam Supply to Heavy Oil Set Heaters Available as Required	S/U	S/U	S/U	N/A
Fuel Oil Heaters Temperature Steam Control Valve Operational	S/U	S/U	S/U	N/A
Suction Strainers Cleaned (including standby and extras) with Covers Secured	S/U	S/U	S/U	N/A
Fuel Oil Accumulator Operational	S/U	S/U	S/U	N/A
Fuel Oil Pumps Available	S/U	S/U	S/U	N/A
Pumps 'Auto-Start' Check Offline	S/U	S/U	S/U	N/A
Header Pressure Control Valve Operational	S/U	S/U	S/U	N/A
Fuel Oil Meter Operational	S/U	S/U	S/U	N/A

Fuel Oil Supply Control, Trip, Long and Short Recirculation Valves	Unit 1	Unit 2	Unit 3	Balance of Plant
Fuel Oil Supply Control Valve Operational	S/U	S/U	S/U	N/A
Fuel Oil Trip Valve Operational	S/U	S/U	S/U	N/A
Fuel Oil Long Recirculation Valve Operational (Units 1 and 2)	S/U	S/U	N/A	N/A
Fuel Oil Short Recirculation Valve Operational (Units 1 and 2)	S/U	S/U	N/A	N/A
Elevation Fuel Oil Trip Valves Operational (Unit 3)	N/A	N/A	S/U	N/A
Elevation Fuel Oil Minimum Supply Control Valves Operational (Unit 3)	N/A	N/A	S/U	N/A
Elevation Fuel Oil Supply Control Valves Operational (Unit 3)	N/A	N/A	S/U	N/A
Main Fuel Oil Recirculation Valve Operational (Unit 3)	N/A	N/A	S/U	N/A
Elevation Recirculation Valves Operational (Unit 3)	N/A	N/A	S/U	N/A

Burners	Unit 1	Unit 2	Unit 3	Balance of Plant
All Burners Cleaned, Securely in Place with Associated Lines Securely Fastened	S/U	S/U	Y	N/A
All Burners Checked for Operation During Unit Start-Up (e.g. Advancing/Retracting, Valve Operation, Lighting, etc.)	S/U	S/U	S/U	N/A
All Burner Tilts Checked for Operation (Units 1 and 2)	S/U	S/U	N/A	N/A

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Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
		Balance of Plant

Fuel Additive System	Unit 1	Unit 2	Unit 3	Balance of Plant
Adequate Supply Available	Y	Y	Y	N/A
Pumps Available	S/U	S/U	S/U	N/A
Tanks, Agitators, etc. Available	N/A	N/A	N/A	N/A

GS System	Unit 1	Unit 2	Unit 3	Balance of Plant
GS Heat Exchangers Backwashed, Cleaned, etc.	Y	Y	Y	N/A
Stage I GS Plate Cooler Strainers Cleaned (Units 1 and 2)	Y	Y	N/A	N/A
Stage I GS 'Auto-Clean' Strainer Operational	N/A	N/A	N/A	N/A
Stage I GS Duplex Strainers Cleaned (Unit 3)	Y	Y	N/A	N/A
GS Pump Suction Strainers Cleaned	Y	Y	Y	N/A
GS Pump Oil Normal Operating Level	Y	Y	Y	N/A
GS Pumps Available and Tested for Standby 'Auto-Start'	Y	Y	Y	N/A

TG Auxiliary Cooling System	Unit 1	Unit 2	Unit 3	Balance of Plant
TG Head Tank Normal Operating Level	S/U	S/U	Y	N/A
Turbine Lube Oil Coolers Operational	S/U	S/U	Y	N/A
TG Heat Exchangers Backwashed, Cleaned, etc.	S/U	S/U	Y	N/A
TG Pump Oil Normal Operating Level	S/U	S/U	Y	N/A
TG Pumps Available and Tested for Standby 'Auto-Start'	S/U	S/U	Y	N/A

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N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test			
Unit 1	Unit 2	Unit 3	Balance of Plant

TG System			
Hydraulic System Units 1 and 2			
Hydraulic System Accumulators Operational	S/U	S/U	N/A
Hydraulic System Storage Tank Normal Operating Level and Checked for Moisture Content	S/U	S/U	N/A
Hydraulic System Storage Tank Air Purging of Moisture in Place	S/U	S/U	N/A
Hydraulic Set Primary, Secondary Filter Indications Ok	S/U	S/U	N/A
Two Hydraulic Fluid Pumps Availability	S/U	S/U	N/A
Hydraulic Pump Auto-Start Testing	S/U	S/U	N/A
Two Hydraulic Fluid Pump Coolers Availability	S/U	S/U	N/A

Valves			
Pre-Outage Valve Survey Conducted of Boiler Drains	Y	Y	Y
Turbine Main Stop Valve Testing (Units 1 and 2)	S/U	S/U	N/A
Turbine Two Main Stop Valves Testing (Unit 3)	N/A	N/A	S/U
Turbine 'Left-Hand' and 'Right Hand' Reheat Stop and Intercept Control Valve Testing Verified	S/U	S/U	S/U
Turbine Six Main Control Valve Operation (Units 1 and 2)	S/U	S/U	N/A
Turbine Four Main Control Valve Operation (Unit 3)	N/A	N/A	S/U
Turbine Blowdown Valve Operation	S/U	S/U	S/U

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**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
		Balance of Plant

Lubricating System	Y	S/U	N/A	Y	S/U	N/A	Y	S/U	N/A
Lube Oil Tank Normal Operating Level and Checked for Moisture Content	Y	S/U	N/A	Y	S/U	N/A	Y	S/U	N/A
Portable Centrifuge Operational	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Lube Oil Tank Vapor Extractor Operation	S/U	S/U	S/U	Y	S/U	N/A	Y	S/U	N/A
Bowser Oil Conditioner Vapor Extractor Operation (Units 1 and 2)	S/U	S/U	S/U	N/A	S/U	N/A	N/A	S/U	N/A
Two ac Lube Oil Pumps Available and Tested for Standby 'Auto-Start' (Units 1 and 2)	S/U	S/U	S/U	N/A	S/U	N/A	N/A	S/U	N/A
Direct Current ("DC") Pump Testing and Starting from UCB (Units 1 and 2)	S/U	S/U	S/U	N/A	S/U	N/A	N/A	S/U	N/A
Verify Discharge Pressure of Each AC Lube Oil Pumps (Locally and UCB) (Units 1 and 2)	S/U	S/U	S/U	N/A	S/U	N/A	N/A	S/U	N/A
Verify Discharge Pressure of DC Lube Oil Pump (Locally and UCB) (Units 1 and 2)	S/U	S/U	S/U	N/A	S/U	N/A	N/A	S/U	N/A
Jacking Oil Pump Testing and Starting from UCB (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A
Verify Discharge Pressure of Jacking Oil Pump (Locally and UCB) (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A
Auxiliary Oil Pump ("AOP") Testing and Starting from UCB and Turbine Lube Oil Tank (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A
Verify Discharge Pressure of AOP Pump (Locally and UCB) (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A
AC Pump Testing and Starting from UCB and Turbine Lube Oil Tank (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A
Verify Discharge Pressure of AC Flushing Oil Pump (Locally and UCB) (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A
DC Pump Testing and Starting from UCB and Turbine Lube Oil Tank (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A
Verify Discharge Pressure of DC Flushing Oil Pump (Locally and UCB) (Unit 3)	N/A	N/A	N/A	S/U	N/A	N/A	S/U	N/A	N/A

Barring/Turning Gear	S/U	S/U	S/U	S/U	S/U	S/U
Turning Gear Operation Verified	S/U	S/U	S/U	S/U	S/U	N/A
Perform Trip Test of Turning Gear	S/U	S/U	S/U	S/U	S/U	N/A

Miscellaneous	S/U	S/U	S/U	S/U	S/U	S/U
Steam Seal Regulator Operational	S/U	S/U	S/U	S/U	S/U	N/A
Operational Online/Offline Overspeed Trip Tests	Y	Y	Y	Y	Y	N/A

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**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
		Balance of Plant

H ₂ and Carbon Dioxide ("CO ₂ ") System				
H ₂ Generation and Storage System				
System in Operation	N/A	N/A	N/A	Y
Electrolyzer/H ₂ 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

H ₂ and CO ₂ Bulk Packs				
Adequate H ₂ Bulk Packs on Hand for Contingency Purposes	N/A	N/A	N/A	Y
CO ₂ Adequate Bulk Packs on Hand	N/A	N/A	N/A	Y

Generator				
Generator Exciter Operation Checked Offline and Online	S/U	S/U	Y	N/A
Seal Oil System Tested with 'Air' on Generator in Preparation for Leak Testing	S/U	S/U	Y	N/A
Seal Oil Regulator Operational	S/U	S/U	Y	N/A
AC Seal Oil Pumps Available and Tested for Standby 'Auto-Start' (Units 1 and 2)	S/U	S/U	N/A	N/A
AC Seal Oil Pump Available (Unit 3)	N/A	N/A	Y	N/A
DC Seal Oil Pump Available and Tested for Standby 'Auto-Start'	S/U	S/U	Y	N/A
Seal Oil Vacuum Pumps Available	S/U	S/U	Y	N/A
Vacuum Tank Level Control Operational	S/U	S/U	Y	N/A
H ₂ System in Operation and/or Adequate Bulk Packs on Hand for Contingency Purposes	N/A	N/A	N/A	Y
CO ₂ Adequate Bulk Packs on Hand	N/A	N/A	N/A	Y
Leak Testing Performed Prior to 'Gassing Up' Generator	S/U	S/U	Y	N/A
Purity, Dew Point, etc. Instrumentation Operation Verified	Y	S/U	Y	N/A

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**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test		
Unit 1	Unit 2	Unit 3
Balance of Plant		

	Unit 1	Unit 2	Unit 3	Balance of Plant
Powerhouse and Switchyard Single Line				
Plant 129 V System				
129 V Battery Banks Checked Stage I and II	Y	Y	Y	Y
129 V Battery Chargers Checked Stage I and II	Y	Y	Y	Y
Plant 258 V System				
258 V Battery Banks Checked Stage I and II	Y	Y	Y	Y
258 V Battery Chargers Checked Stage I and II	Y	Y	Y	Y
Plant Uninterrupted Power Supplies ("UPS")				
Nos. 1, 2, 3 and 4 UPS including Batteries, Cooling Fans, etc., Checked	Y	Y	Y	Y
Emergency Diesel Generators				
Stage I and II Emergency Diesel Generators Tested for Emergency Stop	N/A	N/A	N/A	S/U
Stage I and II Emergency Diesel Generators Tested for Manual and Auto-Start Operation along with Auto Breaker Closure as well as Emergency Manual Closing of Breakers	N/A	N/A	N/A	Y
Diesel Bus Tie Breaker Operation Verified	N/A	N/A	N/A	Y
Fire Protection System				
All Fire Protection Zones in Service	N/A	N/A	N/A	Y
Fire Control/Alarm Panel Status	N/A	N/A	N/A	Y
Fire Alarm Beacons Operational	N/A	N/A	N/A	Y
Diesel Fire Pump Checked for 'Manual' and 'Auto' Start, etc.	N/A	N/A	N/A	Y
Diesel Fire Pump Controller, Charger and Battery Check	N/A	N/A	N/A	Y
Electric Fire Pump Checked for 'Manual' and 'Auto' Start, etc.	N/A	N/A	N/A	Y
Electric Fire Pump Controller Check	N/A	N/A	N/A	Y
Public Address System Status	N/A	N/A	N/A	Y

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Y - Test completed.

N/A - Not Applicable for specific unit or Balance of Plant, as indicated.



**Holyrood Thermal Generating Station
Winter Readiness Testing**

25-Sep-24

Status of Test			
Unit 1	Unit 2	Unit 3	Balance of Plant

Holyrood Main Powerhouse				
Backup ECC and Guardhouse Propane Generator	N/A	N/A	N/A	Y

Plant Air Conditioning System				
Control and Relay Rooms	N/A	N/A	N/A	Y
UPS #1 Room	N/A	N/A	N/A	Y
Generator Excitation and UPS #'s 2, 3 and 4 Room (Unit 3)	N/A	N/A	N/A	Y

Plant Heating Steam				
All Systems Operational for When Required	N/A	N/A	N/A	Y

S/U - Final confirmation completed during Start Up. When possible, test also completed during annual outage.
 Y - Test completed.
 N/A - Not Applicable for specific unit or Balance of Plant, as indicated.

Appendix C

Status of Winter Readiness Testing of Plant and Equipment for Hydraulic Generation





Bay d'Espoir Hydroelectric Generating Facility

Status of Test								
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Balance of Plant Powerhouse 1	Balance of Plant Powerhouse 2

Following Annual Outages, Unit is Run Up, Synchronized and all Systems Verified Before Operating Status Determined, as per Energy Control Centre, Prior to Coming Winter Operating Season to Ensure Preparedness. A Unit Load Test is Performed at this Time.	✓	✓	4-Nov	4-Nov	✓	✓	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓

Spherical Valves								
Turbine Main Stop Valve Annual PM Complete	✓	✓	29-Sep	6-Oct	✓	✓	N/A	N/A
Turbine Main Stop Valve Operational	✓	✓	✓	✓	✓	✓	N/A	N/A

Service Air and Instrument Air Systems Compressors								
All Stationary Air Compressors Available								
Air Compressor Operational Checks Performed (e.g., Oil Levels, Cooling Water, etc.)	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Air Compressor Sequencing Capability Available	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
High Pressure Compressors Available	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Low Pressure Compressor Available	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Instrumentation Control and Alarms Operational	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓

Turbine/Generator ("TG") Cooling Water Systems								
Cooling Water Pumps Available	✓	✓	✓	✓	✓	✓	N/A	N/A
Emergency Cooling Water Available Penstock Supply	✓	✓	✓	✓	✓	✓	N/A	N/A
Cooling Water System Available	✓	✓	✓	✓	✓	✓	N/A	N/A
Shaft seal System Available	✓	✓	✓	✓	✓	✓	N/A	N/A
Cooling Water Strainers Inspected and Available	✓	✓	✓	✓	✓	✓	N/A	N/A

TG Governor System								
Hydraulic System Accumulators Operational								
Governor System Annual PM Complete	✓	✓	28-Sep	✓	✓	✓	N/A	N/A
Governor System Available	✓	✓	✓	✓	✓	✓	N/A	N/A
Hydraulic Pump(s) Available	✓	✓	✓	✓	✓	✓	N/A	N/A

Generator								
Generator Exciter Operation Checked Offline and Online								
Generator Exciter Available	✓	✓	28-Sep	28-Sep	✓	✓	N/A	N/A
Brush Condition Verified	30-Nov	30-Nov	28-Sep	28-Sep	30-Nov	30-Nov	30-Nov	N/A

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable



Bay d'Espoir Hydroelectric Generating Facility

Status of Test								
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Balance of Plant Powerhouse 1	Balance of Plant Powerhouse 2

Lubricating System								
Portable Oil Pump (Jacking)	✓	✓	✓	✓	✓	✓	N/A	N/A
Oil Level System Generator Metering Available	✓	✓	28-Sep	✓	✓	✓	N/A	N/A
Oil Level System Turbine Metering Available	✓	✓	28-Sep	✓	✓	✓	N/A	N/A
Alternating Current High Pressure Jacking Oil Pump Available Automatic	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A

Switchyard/Terminal Station								
Breakers and Disconnects Operational	✓	✓	28-Sep	✓	✓	✓	N/A	N/A
Operate Breaker PM Complete (TRO)	✓	✓	28-Sep	✓	✓	✓	N/A	N/A

Intake								
Water Elevation	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Trashrack System	✓	✓	✓	✓	✓	✓	N/A	N/A
Gate Operation	✓	✓	✓	✓	✓	✓	N/A	N/A

Surge Tank								
Heating System	30-Nov	30-Nov	30-Nov	30-Nov	30-Nov	30-Nov	N/A	N/A
Alarm Systems	30-Nov	30-Nov	30-Nov	30-Nov	30-Nov	30-Nov	N/A	N/A

Spillway								
Water Elevation	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Gate Heating/Ice Away Unit	N/A	N/A	N/A	N/A	N/A	N/A	30-Nov	N/A
Gate Operation	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Emergency (Backup) Diesel Generator	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Emergency Lift Operation and Tested	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓

Battery Banks And Battery Chargers								
Plant 129 V System								
129 V Battery Banks Checked	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
129 V Battery Chargers	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
129 V Battery Banks Available	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓

Plant Uninterrupted Power Supplies ("UPS")								
UPS Power Supplies (Inverter NWS)	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable



Bay d'Espoir Hydroelectric Generating Facility

Status of Test								
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Balance of Plant Powerhouse 1	Balance of Plant Powerhouse 2

Emergency Diesel Generators	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Balance of Plant Powerhouse 1	Balance of Plant Powerhouse 2
Emergency Diesel Generators Tested for Emergency Stop	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A
Emergency Diesel Generators Tested for Manual and Auto-Start Operation along with Auto Breaker Closure as well as Emergency Manual Closing of Breakers	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Alternate Alternating Current Sources Available	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Station Services Available	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓
Transfer Alternate Source	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓

Plant Air Conditioning System	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Balance of Plant Powerhouse 1	Balance of Plant Powerhouse 2
Control Rooms	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A
Communications Rooms	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A

Plant Heating Steam	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Balance of Plant Powerhouse 1	Balance of Plant Powerhouse 2
All Systems Operational for when Required	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable



Hydraulic Generating Stations (Remote Units)

Status of Test												
Cat Arm			Hinds Lake		Upper Salmon		Granite Canal		Paradise River			
Unit 1	Unit 2	Balance of Plant Powerhouse	Unit 1	Balance of Plant	Unit 1	Balance of Plant	Unit 1	Balance of Plant	Unit 1	Balance of Plant	Unit 1	Balance of Plant

Following Annual Outages, Unit is Run Up, Synchronized and all Systems Verified Before Operating Status Determined, as per Energy Control Centre, Prior to Coming Winter Operating Season to Ensure Preparedness. A Unit Load Test is Performed at this Time.	✓	N/A	✓	N/A	25-Oct	N/A	✓	N/A	✓	N/A	✓	N/A
	N/A	N/A	✓	N/A	✓	25-Oct	✓	N/A	✓	N/A	✓	N/A

Spherical Valves												
Turbine Main Stop Valve Annual PM Complete	✓	4-Oct	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbine Main Stop Valve Operational	✓	4-Oct	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Service Air and Instrument Air Systems Compressors												
All Stationary Air Compressors Available	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Air Compressor Operational Checks Performed (e.g., Oil Levels, Cooling Water, etc.)	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Air Compressor Sequencing Capability Available	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
High Pressure Compressors Available	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Low Pressure Compressor Available	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Instrumentation Control and Alarms Operational	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A

Turbine/Generator ("TG") Cooling Water Systems												
Cooling Water Pumps Available	✓	✓	N/A	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Emergency Cooling Water Available Penstock Supply	✓	✓	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Cooling Water System Available	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	N/A
TG Pumps Available and Tested for Auto/Manual Start	N/A	N/A	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shaft Seal System Available	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Rotary Strainer Inspected and Available	✓	4-Oct	N/A	✓	N/A	25-Oct	✓	N/A	✓	N/A	✓	N/A

TG Governor System												
Hydraulic System Accumulators Operational	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	N/A
Governor System Annual PM Complete	✓	4-Oct	N/A	✓	N/A	25-Oct	✓	N/A	✓	N/A	✓	N/A
Governor System Available	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	N/A
Hydraulic Pump(s) Available	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	N/A

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable



Hydraulic Generating Stations (Remote Units)

Status of Test										
Cat Arm			Hinds Lake		Upper Salmon		Granite Canal		Paradise River	
Unit 1	Unit 2	Balance of Plant Powerhouse	Unit 1	Balance of Plant	Unit 1	Balance of Plant	Unit 1	Balance of Plant	Unit 1	Balance of Plant

Generator											
Generator Exciter Operation Checked Offline and Online	✓	4-Oct	N/A	✓	N/A	25-Oct	N/A	✓	N/A	✓	N/A
Generator Exciter Available	✓	4-Oct	N/A	✓	N/A		N/A	✓	N/A	✓	N/A
Brush Condition Verified	✓	4-Oct	N/A	✓	N/A	25-Oct	N/A	✓	N/A	N/A	N/A

Lubricating System											
Oil Level System Generator Metering Available	✓	4-Oct	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Oil Level System Turbine Metering Available	✓	4-Oct	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Alternating Current High Pressure Jacking Oil Pump Available Automatic	✓	4-Oct	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A

Miscellaneous											
Breakers and Disconnects Operational	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Operate Breaker PM Complete (TRO)	✓	4-Oct	N/A	✓	N/A	25-Oct	N/A	✓	N/A	✓	N/A

Control Structure											
Water Elevation	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A	N/A	N/A
Gate Operation	N/A	N/A	N/A	N/A	✓	N/A	N/A	N/A	N/A	N/A	N/A

Intake											
Water Elevation	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Trashrack System	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Gate Operation	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A

Spillway/Bypass											
Water Elevation	N/A	N/A	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Gate Heating/Ice Away Unit	N/A	N/A	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Gate Operation	N/A	N/A	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Emergency (Backup) Diesel Generator	N/A	N/A	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Emergency Lift Operation and Tested	N/A	N/A	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable



Hydraulic Generating Stations (Remote Units)

Status of Test										
Cat Arm			Hinds Lake		Upper Salmon		Granite Canal		Paradise River	
Unit 1	Unit 2	Balance of Plant Powerhouse	Unit 1	Balance of Plant	Unit 1	Balance of Plant	Unit 1	Balance of Plant	Unit 1	Balance of Plant

Battery Banks And Battery Chargers										
Plant 129 V System										
129 V Battery Banks Checked										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
129 V Battery Chargers										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
129 V Battery Banks Available										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓

Plant 48 V System (Network Services)										
48 V Battery Banks Checked										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓

Emergency Diesel Generators										
Emergency Diesel Generators Tested for Emergency Stop										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Emergency Diesel Generators Tested for Manual and Auto-Start Operation along with Auto Breaker Closure as well as Emergency Manual Closing of Breakers										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Alternate Alternating Current Sources Available										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Station Services Available										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Transfer Alternate Source										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓

Plant Air Conditioning System										
Control Rooms										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓
Communications Rooms										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓

Plant Heating Steam										
All Systems Operational for when Required										
N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable

Appendix D

Status of Winter Readiness Testing of Plant and Equipment for Muskrat Falls Generation





Muskkrat Falls Hydroelectric Generating Station

	Status of Test					Spillway
	Unit 1	Unit 2	Unit 3	Unit 4	Balance of Plant System	
Following Annual Outages, Unit is Run Up, Synchronized and all Systems Verified Before Operating Status Determined, as per Energy Control Centre, Prior to Coming Winter Operating Season to Ensure Preparedness. A Unit Load Test is Performed at this Time.	11-Oct	15-May-25	✓	✓	N/A	N/A
All Alternate Sources of Station Service Tested and Available	✓	N/A	✓	✓	✓	✓
Service Air and Instrument Air Systems Compressors						
All Stationary Air Compressors Available	N/A	N/A	N/A	N/A	✓	N/A
Air Compressor Operational Checks Performed (e.g., Oil Levels, etc.)	N/A	N/A	N/A	N/A	✓	N/A
Air Compressor Sequencing Capability Available	N/A	N/A	N/A	N/A	✓	N/A
High Pressure Compressors Available	N/A	N/A	N/A	N/A	✓	N/A
Low Pressure Compressor Available	N/A	N/A	N/A	N/A	✓	N/A
Brake air pressure system & Alternate source's functional	11-Oct	N/A	✓	✓	✓	N/A
Instrumentation Control's functional and Alarms Operational	11-Oct	N/A	✓	✓	✓	✓
Turbine/Generator ("TG") Cooling Water Systems						
Service Water Pumps Available	N/A	N/A	N/A	N/A	✓	N/A
Shaft seal sand filter skids functional	N/A	N/A	N/A	N/A	✓	N/A
Shaft Seal System Available	11-Oct	N/A	✓	✓	✓	N/A
Cooling Water System Available	11-Oct	N/A	✓	✓	✓	N/A
Cooling Water Strainers Inspected and Available	✓	N/A	✓	✓	✓	N/A
Raw water Bypass strainer function tested	✓	N/A	✓	✓	N/A	N/A
TG Governor System						
Unit HMI's functional & alarms cleared	11-Oct	N/A	✓	✓	N/A	N/A
Hydraulic System Accumulators Operational	11-Oct	N/A	✓	✓	N/A	N/A
Governor System Annual PM Complete	✓	N/A	✓	✓	N/A	N/A
Governor System Available	11-Oct	N/A	✓	✓	N/A	N/A
Hydraulic Pump(s) Available	11-Oct	N/A	✓	✓	N/A	N/A
Generator						
Generator Exciter Operation Checked Offline and Online	✓	N/A	✓	✓	N/A	N/A
Generator Exciter Available	11-Oct	N/A	✓	✓	N/A	N/A
Brush Condition Verified	11-Oct	N/A	✓	✓	N/A	N/A
Excitation ground fault monitor operational & clear	11-Oct	N/A	✓	✓	N/A	N/A

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable



Muskrat Falls Hydroelectric Generating Station

	Status of Test				Spillway
	Unit 1	Unit 2	Unit 3	Unit 4	
Lubricating System					
Portable Oil Pump (Jacking)	✓	N/A	✓	✓	N/A
Generator Oil Level System Metering Available	✓	N/A	✓	✓	N/A
Turbine Oil Level System Metering Available	✓	N/A	✓	✓	N/A
Alternating Current High Pressure Jacking Oil Pump Available Automatic	✓	N/A	✓	✓	N/A
Switchyard/Terminal Station					
Unit Breakers and Disconnects Operational	✓	N/A	✓	✓	N/A
Unit Breaker PM Complete	✓	N/A	✓	✓	N/A
Intake					
Water elevation monitoring functional	✓	✓	✓	✓	N/A
Trashrack System	✓	N/A	✓	✓	N/A
Gate Operation	11-Oct	N/A	✓	✓	N/A
Gate Heating System	✓	N/A	✓	✓	N/A
Alarm Systems	11-Oct	N/A	✓	✓	N/A
Upstream Ice boom removed	N/A	N/A	N/A	N/A	30-Oct
Spillway					
Water Elevation	N/A	N/A	N/A	N/A	N/A
Gate Heating	N/A	N/A	N/A	N/A	N/A
Gate Operation	N/A	N/A	N/A	N/A	N/A
Emergency (Backup) Diesel Generator	N/A	N/A	N/A	N/A	N/A
Emergency Lift Operation and Tested	N/A	N/A	N/A	N/A	N/A
Battery Banks Chargers					
Plant 48V System					
48 V Battery Banks Checked	✓	N/A	✓	✓	✓
48 V Battery Chargers functional	✓	N/A	✓	✓	✓
48 V Battery Charger alternate sources available	✓	N/A	✓	✓	✓
Plant 125 V System					
125 V Battery Banks Checked	✓	N/A	✓	✓	✓
125 V Battery Chargers functional	✓	N/A	✓	✓	✓
125 V Battery Charger alternate sources available	✓	N/A	✓	✓	✓
Plant Uninterrupted Power Supplies ("UPS")					
Emergency Light UPS	N/A	N/A	N/A	N/A	✓
UPS Power Supplies (Inverter #1)	N/A	N/A	N/A	N/A	✓
UPS Power Supplies (Inverter #2)	N/A	N/A	N/A	N/A	✓

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable



Muskkrat Falls Hydroelectric Generating Station

	Status of Test				Spillway
	Unit 1	Unit 2	Unit 3	Unit 4	
Emergency Diesel Generators					
Emergency Diesel Generators Tested for Emergency Stop	N/A	N/A	N/A	N/A	✓
Emergency Diesel Generators Tested for Manual and Auto-Start Operation along with Auto Breaker Closure as well as Emergency Manual Closing of Breakers	N/A	N/A	N/A	N/A	✓
Alternate Alternating Current Sources Available	✓	N/A	✓	✓	✓
Station Services Available	✓	N/A	✓	✓	✓
Transfer Alternate Source	✓	N/A	✓	✓	✓
Plant Air Conditioning/Cooling System					
Mezzanine 2	N/A	N/A	N/A	N/A	✓
Mezzanine 1	N/A	N/A	N/A	N/A	✓
Control room	N/A	N/A	N/A	N/A	✓
Generation floor/ Mimic panel functional	N/A	N/A	N/A	N/A	✓
Turbine floor	N/A	N/A	N/A	N/A	✓
Dewatering gallery	N/A	N/A	N/A	N/A	✓
Plant Heating Steam					
All Systems Operational for when Required	✓	N/A	✓	✓	✓
Heat recovery units operational	✓	N/A	✓	✓	N/A
Stairwell heaters operational	✓	N/A	✓	✓	✓
Trench heat trace operational	N/A	N/A	N/A	N/A	✓
Gear box heaters operational	N/A	N/A	N/A	N/A	✓
Additional Comments: Unit 2 will be unavailable for winter operation. 					

S/U - Final confirmation completed during Start-Up. When possible, test also completed during annual outage.
 ✓ - Test completed
 N/A - Not Applicable

Appendix E

Master Generation Outage Schedule



2024 Generation Outage Schedule¹

Location	Asset	Month Week Starting Capacity (MW)	September			October			November			December			Scheduled Annual Maintenance Outages								
			1	8	15	22	29	6	13	20	27	3	10	17		24	1	8	15	22	29		
Holyhood	G1	170.0																				April 12–January 15	
	G2	170.0																					August 4–October 13
	G3 ²	150.0																					May 26–September 28
Bay d'Espoir	G1	123.5																					November 10–November 30
	G2	76.5																					October 6–October 12
	G3	76.5																					October 6–October 12
	G4	76.5																					August 18–September 08
	G5	76.5																					August 11–September 29
	G6	76.5																					
	G7	154.4																					October 6–October 25
Upper Salmon	Unit	84.0																				August 25–September 20	
Granite Canal	Unit	40.0																				September 15–October 04	
Hinds Lake	Unit	75.0																				October 27–November 09	
Cat Arm	G1	67.0																				October 27–November 15	
Paradise River	Unit	8.0																					
Hardwoods	GT	50.0																					
Stephenville	GT ³	50.0																					
Star Lake	Unit	18.0																					
Exploits	Units	63.0																					
CBPP	CBPP ⁴ CoGen	8.0																					
Hawkes Bay, Holyhood, St. Anthony	Diesels ⁵	24.7																					
Newfoundland Power	Hydro & Standby ⁶	119.3																					
CBPP	CBPP 60 Hz	99.1																					
Available Island Capacity ⁷		2,000.0	1,217.3	1,293.8	1,226.8	1,293.8	1,420.3	1,400.3	1,553.3	1,723.3	1,739.3	1,739.3	1,799.3	1,799.3	1,665.8	1,683.8	1,683.8	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	
Maximum I/L Contribution to Island Reserves at Peak ⁸			15.0	15.0	15.0	0.0	0.0	15.0	15.0	372.5	379.9	386.2	397.9	421.2	437.1	462.6	462.6	462.6	462.6	462.6	462.6	462.6	Based on 58.0 Hz Block Limits (Table 7.1)
Forecasted Gross Island Peak Load			982.0	1,005.2	1,028.4	1,059.6	1,082.9	1,208.9	1,263.9	1,318.8	1,373.8	1,445.0	1,504.1	1,563.2	1,622.3	1,731.6	1,731.6	1,731.6	1,731.6	1,731.6	1,731.6	1,731.6	
Total Island Reserves ⁹			250.4	303.6	213.4	234.2	337.5	206.5	304.5	776.9	745.4	780.5	659.6	641.8	598.6	660.9	660.9	660.9	660.9	660.9	660.9	660.9	
Largest Operating Unit			154.4	154.4	154.4	154.4	154.4	154.4	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	
Island N-1 Reserves			96.0	149.2	59.0	79.8	183.1	52.1	134.5	606.9	575.4	610.5	489.6	471.8	428.6	490.9	490.9	490.9	490.9	490.9	490.9	490.9	
L/L		700.0																					Monopole/Block Outages until October 19
Happy Valley	GT	25																					
Muskrat Falls	G1	206																					August 23–October 15
	G2	206																					October 28–May 12, 2025
	G3	206																					
	G4	206																					

¹ Preventive maintenance items that require short duration outages are not reflected. They are planned in conjunction with system operation for an appropriate time.
² Holyhood Unit 3 annual outage has been completed. Conversion from sync condensate to generate began on September 16 and the Unit synchronized to the grid on September 29, 2024.
³ Stephenville GT was unavailable due to a damaged generator cooling fan. The unit returned to service on September 27, 2024.
⁴ Carier Brook Pump and Paper Limited ("CBPP").
⁵ 24.7 MW includes Hawkes Bay (5 MW), Holyhood Diesels (10 MW), and St. Anthony (9.7 MW).
⁶ 119.3 MW includes Newfoundland Power Hydro (77.8 MW) and Newfoundland Power Standby (41.5 MW).
⁷ Available Island Capacity only includes Island resources and does not include any contribution from the Labrador-Island Link ("LIL"), Happy Valley or Muskrat Falls Units.
⁸ Maximum I/L contribution to island reserves at peak is a function of island load, LIL operating mode, number of available Muskrat Falls units and Maritime Link exports, and is measured at Soldier's Pond.
⁹ November and December Total Island Reserves include CBPP Capacity Assistance (80 MW) and System Voltage Reduction (20 MW).



Appendix F

Critical Spares Status Listing for Thermal Generation





Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

Explanation
Stock quantity of '1' or more in warehouse inventory
Item is not stocked, '0' quantity in Warehouse, ordered as required. See NOTES.
Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Fire Protection System	Electrical Driven Pump	Pump	Outboard Bearing	0	BEARING,PEERLESS OUTBOARD	In Stock
Fire Protection System	Electrical Driven Pump	Pump	Casing Ring	0	RING,PEERLESS CASING	In Stock
Fire Protection System	Electrical Driven Pump	Pump	Casing Gasket	0	GASKET,PEERLESS CASING	In Stock
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	Valves	Day Tank Trip Valve	8" Butterfly Valve and Actuator	0	VALVE,BTFY 8" 150#	In Stock
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	0	Day Tank Trip Valve	Actuator	0	ACTUATOR,BETTIS CB520	In Stock
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	0	Fuel Line Block Valve	16" Gate Valve	0	VALVE,GATE 16" NEWCO	In Stock
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	0	Day Tank Fill Line Control valve	6" Control Valve	0	VALVE,CONTROL 6" FISHER	In Stock
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	0	0	Actuator	0	ACTUATOR,PNEU 1-BSW-5-LT	In Stock
Hydrogen Generation and Storage	Valves	Motorized Valves	1/2 " Valve	0	SOLENOID,VALVE ASCO 8316	In Stock
Hydrogen Generation and Storage	Tubing	0	Tubing	0	TUBING,SS 1" OD X.083 316	In Stock
Powerhouse and Switchyard Single Line	129V DC System	Charger	Control Unit	0	CONTROL UNIT,BATTERY CHG 129V	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Cation Valve - KV2205C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Cation Valve - KV2206C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Anion Valve - KV3205C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Anion Valve - KV3206C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Cation Valve - KV2203C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Cation Valve - KV2207C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Cation Valve - KV2202C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Cation Valve - KV2208C	0	VALVE,ITT	In Stock



Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

Explanation

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Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Anion Valve - KV3203C	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Anion Valve - KV3207C	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Anion Valve - KV3202C	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Anion Valve - KV3208C	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4003B	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4004A	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4005B	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4006B	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4007B	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4008B	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4009B	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4010A	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Mixed Bed Valve - KV4011A	0	VALVE,ITT	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Deminerlization 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	Deminerlization 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	0	CONTROLLER,SPEED CLARIFIER	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Clarifier	Agitator	Recirculator - Double Induction Speed Reducer - In Stock	0	RECIRCULATOR,STERLIN G 9A6108	In Stock	



Critical Spares - Thermal Generation

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Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Raw and Makeup Water System & Water Treatment Plant	Cleanwell	Cleanwell 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	0	Dock Quick Closing Valves	18 " Butterfly Valve	0	VALVE,BTFY 18" 150#	In Stock	
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	0	Dock Capstan	Gear Box	0	CAPSTAN GEARBOX,SADI	In Stock	
Fire Protection System	Electrical Driven Pump	Control Panel	Fire Pump Controller	Spare Controller on site in Warehouse	N/A	Non-Stock	
Powerhouse and Switchyard Single Line	129V DC System	129 VDC Panel - Unit 1, 2, 3, Common	30A DC Breaker	0	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	0	BREAKER,DC HFD2025 25A	In Stock	
Powerhouse and Switchyard Single Line	129V DC System	129 VDC Panel - Unit 1, 2, 3, Common	15A DC Breaker	0	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	0	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	0	BREAKER,DC HFD2050 50A	In Stock	
Powerhouse and Switchyard Single Line	129V DC System	Charger	Control Unit	0	CONTROL UNIT,BATTERY CHG 129V	In Stock	
Circulating Water and Screen Wash System	CW Discharge Valves	Butterfly Valve	36" Butterfly Valve	0	VALVE,BUTTERFLY 36"	In Stock	
Circulating Water and Screen Wash System	CW Discharge Valves	Butterfly Valve	Actuator	0	ACTUATOR ASSY,ROTORK	In Stock	
Circulating Water and Screen Wash System	CW Pumps	Motor	Coils	0	WINDING COILS	In Stock	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	Network Interface Modules	0	MODULE,NETWORK INTERFACE	In Stock	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	Master Fuel Trip Relays	0	RELAY,AB TYPE P	In Stock	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	DCS Control Processor	0	MODULE,PROCESSOR FOXBORO	In Stock	
Combustion Air & Gas Instruments	Burner Management	Flame Scanners	24Vdc Scanner Power Supply	0	POWER SUPPLY,WEIDMULLER	In Stock	
Combustion Air & Gas Instruments	Burner Management	Air Flow Transmitters	Transmitter	0	TRANSMITTER, DP 1 KPA TO 1 KPA	In Stock	

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Critical Spares - Thermal Generation

System	Asset			Critical Spare			Inventory Status
	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	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	In Stock	
Condenser Air Extraction System	Vacuum Breakers	0	6' Flanged	0	VALVE,AIR & VACUUM 6 FLG	In Stock	
Generator	Seal Oil System	Seals	See Parts List #U1&2 - 1 from Service Contractor	0	HYDROGEN SEAL RINGS,GE	In Stock	
Generator	Exciter	Controls	ArcNet Coupler	0	CARD,ABB UNS0672	In Stock	
Generator	Exciter	Controls	Conduction Monitor	0	CARD,ABB UNS0673	In Stock	
Generator	Exciter	Controls	Crowbar	0	CARD,ABB UNS0017AVAR1	In Stock	
Generator	Exciter	Controls	Digital ArcNet	0	CARD,ABB UPC090	In Stock	
Generator	Exciter	Controls	Binary Input	0	CARD,ABB UFC092	In Stock	
Generator	Exciter	Controls	Output Relay	0	CARD,ABB ARC093	In Stock	
Generator	Exciter	Controls	Measuring Card	0	CARD,ABB UNC4672	In Stock	
Generator	Exciter	Controls	Measuring Card	0	CARD,ABB UNC4673	In Stock	
Generator	Exciter	Controls	I/O Connection	0	CARD,ABB UNC4674	In Stock	
Generator	Exciter	Controls	Converter	0	CARD,ABB UNS3670	In Stock	
Generator	Exciter	Controls	Snubber Bridge	0	SNUBBER,ABB UNS4681V12	In Stock	
Generator	Exciter	Controls	Control	0	CARD,ABB HIEE30090R0001	In Stock	
Generator	Exciter	Controls	Power Supply	0	CARD,ABB KUC321	In Stock	
Generator	Exciter	Controls	Pulse Gen	0	CARD,ABB GDB021	In Stock	
Generator	Exciter	Controls	Combined I/O	0	CARD,ABB UAC326	In Stock	
Generator	Exciter	Controls	Control Panel	0	CARD,ABB AFC094	In Stock	



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Critical Spares - Thermal Generation

System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock		
Generator	Exciter	Controls	Breaker	0	BREAKER,FIELD ABB F3/SE	In Stock		
Generator	Exciter	0	Transformer	On Site	N/A	Non-Stock		
Generator	Stator	PT Cubicle	Primary Contact for Generator P.T.	0	CONTACT ASSY,PT	In Stock		
Generator	Seal Oil System	Regulator	1.5" Regulating Valve	0	SEAL OIL REG KIT, RK	In Stock		
Ignitor Light Oil and Air Supply	Light Oil	Trip Valve	1" Valve	0	VALVE,FISH F.O. TRIP	In Stock		
Ignitor Light Oil and Air Supply	Light Oil	Igniter Control Box	Ignition Transformer	0	XFMR,FOSSIL S870-542F	In Stock		
Ignitor Light Oil and Air Supply	Light Oil	Igniter Control Box	Sunspot	0	BASE,AMPLIFIER & TERMINAL	In Stock		
Ignitor Light Oil and Air Supply	Light Oil	Igniter Control Box	Valve Assembly / Oil Igniter	0	IGNITER,ASSEMBLY ALSTOM	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Level Transmitter	0	TRANSMITTER,LEVEL	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Aquarian Alarm Modules	0	MODULE,AQUARIAN	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Relays	0	RELAY,PLUG-IN 12 PIN AC	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Solenoid	0	SOLENOID,ASCO 8300 125 VDC	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Conductivity Probe	0	PROBE,GUIDED WAVE RADAR 26"	In Stock		
L.P. Feedwater System	Deaerator System	Level Control	Level Switch	0	SWITCH,LEVEL MOBREY	In Stock		
L.P. Feedwater System	Deaerator System	Level Control	Level Transmitter	0	TRANSMITTER,LEVEL	In Stock		
L.P. Feedwater System	Deaerator System	Level Control	Relay	0	RELAY,PLUG-IN 12 PIN AC	In Stock		
L.P. Feedwater System	Ammonia System	0	Bulk Chemical	0	AMMONIUM HYDROXIDE,20% TOTE	In Stock		
L.P. Feedwater System	Deaerator System	NRV Valves	12" 150# Gasket Kit	0	GASKET,S&K 7450397V0010	In Stock		
L.P. Feedwater System	Deaerator System	NRV Valves	O-Rings	0	O-RING,S&K 7550144V0090	In Stock		

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Asset		Critical Spare				
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
L.P. Feedwater System	Deaerator System	NRV Valves	Packing	0	PACKING,S&K 24"	In Stock
L.P. Feedwater System	Deaerator System	NRV Valves	Packing	0	PACKING,S&K 16"	In Stock
L.P. Feedwater System	Deaerator System	NRV Valves	Packing	0	PACKING,S&K 12"	In Stock
L.P. Feedwater System	Deaerator System	NRV Valves	Seal washers	0	SEAL,S&K 75G0181V0020	In Stock
L.P. Feedwater System	L.P. Heaters	NRV Valves - #1&2 LP Heaters	Gasket	0	GASKET,S&K 6750064V0010	In Stock
L.P. Feedwater System	L.P. Heaters	NRV Valves	O-Rings	0	O-RING,S&K 75S0144V0100	In Stock
L.P. Feedwater System	L.P. Heaters	NRV Valves	Packing	0	PACKING,S&K ROC574051200	In Stock
L.P. Feedwater System	L.P. Heaters	NRV Valves	Packing	0	PACKING,S&K 75G0100V0040	In Stock
L.P. Feedwater System	L.P. Heaters	NRV Valves	Seal washers	0	SEAL,S&K 75G0181V0050	In Stock
L.P. Feedwater System	Polisher Bypass Valve	0	Valve	Non-Stock is OK since there are full rebuild items identified and stocked	VALVE,FISH 5080326PTBNN	Non-Stock
L.P. Feedwater System	Condensate Polishers (Units 1, 2)	Valves	Valve	0	VALVE KIT,BALL 3	In Stock
L.P. Feedwater System	Condensate Polishers (Units 1, 2)	Valves	Actuator	0	ACTUATOR KIT,WORCH D-38	In Stock
L.P. Feedwater System	Condensate Polishers (Units 1, 2)	Valves	Valve	0	VALVE KIT,BALL 2	In Stock
L.P. Feedwater System	Condensate Polishers (Units 1, 2)	Valves	Actuator	0	ACTUATOR KIT,WORCH C-38	In Stock
Main Steam & Reheat Steam; Turbine Drains	Vacuum Trip Device	0	Pressure Transmitter - Unit 1	0	TRANSMITTER,PRESS -30" 0"	In Stock
Turbine Generator System Stage 1	Governor	Governor	Mark 5 System - cable assemblies	0	CABLE ASSY,SERVO G.E.	In Stock
Turbine Generator System Stage 1	Governor	Governor	Mark 5 System - 50 gal. Intercept Control Valve Servos	0	VALVE,SERVO 50.0 GPM	In Stock



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System	Asset			Critical Spare			Inventory Status
	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0		BEARING,PEERLESS INBOARD	In Stock
Turbine Generator System Stage 1	Governor	Governor	Mark 5 System - 50 gal. Main Control Valve Servos	0		VALVE,SERVO 50.0 GPM	In Stock
Turbine Generator System Stage 1	Governor	Governor	Mark 5 System - 6 gal. Intercept Control Valve Servos (scram)	0		VALVE,SERVO 9.0-11.0 GPM	In Stock
Turbine Generator System Stage 1	Governor	Governor	Mark 5 System - 6 gal. Main Stop Valve Servos	0		VALVE,SERVO 9.0-11.0 GPM	In Stock
Turbine Generator System Stage 1	Governor	Governor	Linear Variable Differential Transducer for Intercept Control Valve & Main	0		TRANSDUCER,GE	In Stock
Turbine Generator System Stage 1	Governor	Governor	Linear Variable Differential Transducers for 1, per Main Stop Valve	0		TRANSDUCER,GE	In Stock
Turbine Generator System Stage 1	Governor	Governor	Cable	0		CABLE SET,FLUID POWER	In Stock
Turbine Generator System Stage 1	Governor	Governor	Valve	0		VALVE,FLUID POWER PILOT	In Stock
Turbine Generator System Stage 1	Governor	Governor	Sensor	0		SENSOR,FLUID POWER	In Stock
Turbine Generator System Stage 1	Governor	Governor	Coil	0		COIL,FLUID POWER	In Stock
Turbine Generator System Stage 1	Governor	Governor	Go Switch - Limit Switches	0		SWITCH,LIMIT GO LEVER	In Stock
Turbine Generator System Stage 1	Governor	Governor	Cable Set	0		CABLE SET,FLUID POWER	In Stock
Turbine Generator System Stage 1	Governor	Governor	Valve	0		VALVE,FLUID POWER PILOT	In Stock
Turbine Generator System Stage 1	Governor	Governor	Sensor	0		SENSOR,FLUID POWER	In Stock
Turbine Generator System Stage 1	Governor	Governor	Coil	0		COIL,FLUID POWER	In Stock
Turbine Generator System Stage 1	Governor	Governor	O-Ring kit	0		O-RING KIT,FLUID POWER	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	RES,500HM,5%,40 WATT	0		RESISTOR,500HM	In Stock

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Critical Spares - Thermal Generation

System	Asset			Critical Spare			Inventory Status
	Sub-System	Asset	Defined Spare	Notes	Inventory Description		
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	DIODE MOD,1200V,45A,SKKD46/12	0	DIODE,MOD 1200V	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	RELAY	0	RELAY,12HGA11J52	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	CPF MK5 CONTROL POWE	0	CONTROL,MK5 POWER	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	TERMINATOR,93 OHMS	0	TERMINATOR,93 OHMS	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	RESISTOR	0	RESISTOR,323A2354P1	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	RESISTOR	0	RESISTOR,323A2354P2	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	RES 100 OHM 5% 40W	0	RESISTOR,100 OHM	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	CAP-METALLIZED-MYLAR	0	CAP,METALLIZED MYLAR	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, C-Core Terminal Board	0	TERMINAL BOARD,MKV C-CORE	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Terminal Board, Digital I/O	0	TERMINAL BOARD,DIGITAL I/O	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Terminal Board, Digital I/O	0	TERMINAL BOARD,DIGITAL I/O	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Terminal Board, Relay/Solenoid	0	TERMINAL BOARD,MKV RELAY	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Terminal Board, Relay/Solenoid	0	TERMINAL BOARD,MKV RELAY	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, P-Core Terminal Board	0	TERMINAL BOARD,MKV P-CORE	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	TERM. BOARD (R-S-T)	DS200QTBAG1A is superseded by DS200QTBAG3A	TERMINAL BOARD,(R-S-T)	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	Main Control Card	New no longer available, remain only	BOARD,GE DS200SDCC64A	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, LAN Comm Interface Card	0	BOARD,GE DS200SLCC G3A/PS	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV,Thermocouple Terminal Board	0	TERMINAL BOARD,THERMOCOUPLE	In Stock	



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV,TERM,BD @R-S-T TC	0	TERMINAL BOARD,MKV	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKVe, Analog I/O Terminal Board	0	TERMINAL BOARD,ANALOG I/O	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKVe, Analog I/O Terminal Board	0	TERMINAL BOARD,ANALOG I/O	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV,TERM BD (R-S-T) EXT	0	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, remain only	BOARD,GE DS200TCCAG1B	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, DIG. I/O BD. CONF. C	0	BOARD,GE DS200TCDAH1B/PS	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Emergency Overspeed Card	New no longer available, remain 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	0	BOARD,GE DS200TCPDG1B	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, DC INPUT PWR SUPPLY	New no longer available, remain only, Has age sensitive components,	BOARD,GE DS200TCPSG1A	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Analog I/O Card	0	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, remain only	CARD,EXTENDED MKV (RST)	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, BOARD-(RST) OVERFLOW	New no longer available, remain only	BOARD,GE DS200TCQCG1B	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Relay Output Card	0	BOARD,GE DS200TCRAG1A/PS	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MKV, Turbine Trip Card	New no longer available, remain only	BOARD,GE DS200TCTSG1A	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	MODULE,AC TO DC	DS2020DACAG1 has been superseded by DS2020DACAG2	MODULE,AC TO DC	In Stock

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Critical Spares - Thermal Generation

System	Asset			Critical Spare			Inventory Status
	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Turbine Generator System Stage 1	Governor	Turbine Control System	(Commissioning Kit) Fuses, Resistors , Diodes, Relays	0	SPARE KIT,MKV	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	DC Oil Pump	Pump	0	PUMP,DC LUBE OIL	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	DC Motor	Motor	0	MOTOR,DC LUBE OIL PUMP	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	Pressure Switches	Switch	0	SWITCH,PRESS 0-150 PSI	In Stock	
Turbine Generator System Stage 1	Hydraulic Fluid System	Fluid Pumps	Pump	0	PUMP,HYD FLUID POWER UNIT	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	Shaft	0	SHAFT,IR 10 (TYPE 2 ERVH)	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	Impeller	0	IMPELLER,IR 2RVH3DX1-8 L3	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	Sleeve	0	SLEEVE,J RAND 175B135NX1B-204	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	Key	0	KEY,IMPELLER IR 11A9C37	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Motor	Motor	0	MOTOR,ELECT 20HP 575VAC	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	Oil Pressure Regulator	Diaphragm	0	DIAPHRAGM,GE 920810612	In Stock	
Turbine Generator System Stage 1	Turbine Lube Oil System	Pressure Switch 2	Switch	0	SWITCH,PRESS 0-150 PSI	In Stock	
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Actuator	Bushing	0	BUSHING,FISH 1E845714012	In Stock	
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Actuator	Diaphragm	0	DIAPHRAGM,FISH 2E859802202	In Stock	
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Actuator	Repair Kit	0	ACTUATOR KIT,FISH R667X000502	In Stock	
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Body	Packing	0	PACKING KIT,FISH RPACKX0011	In Stock	
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Body	Positioner	0	POSITIONER,FISH DVC6200	In Stock	
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Actuator	Diaphragm	0	DIAPHRAGM,FISH 2N130902202	In Stock	

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Critical Spares - Thermal Generation

Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Actuator	Repair Kit	0	ACTUATOR KIT,FISH R667X000702	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	Gasket	0	GASKET SET,FISH RGASKETX232	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	Plug/Stem	0	PLUG/STEM,FISH 27A3965X052	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	Cage	0	CAGE,FISH 20A3245X092	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	Ring	0	RING,FISH 17A3991X022	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	Seat Ring	0	RING,FISH 20A3260X152	In Stock
Units 1 & 2 Air & Flue Gas	Furnace Pressure TX (Trip)	Pressure Transmitter	Pressure Transmitter	0	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	0	BEARING,BALL 23034CCK/C3W33	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Rotating Element & Bearings	Seal	0	SEAL,HOWDEN 68-01-615	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Drive System	Coupling	0	COUPLING,STEELFLEX 1-1/8 S-4	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Drive System	Air Motor	0	AIR MOTOR,ING RAND	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Drive System	Motor	0	MOTOR,HEATER 1/3HP (XL GEAR)	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Soot Blowers	Sleeve	0	SLEEVE,RELIANCE 411629-6A	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Soot Blowers	Coupling	0	COUPLING,BORE 3/4X5/8	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Soot Blowers	Roller assembly	0	ROLLER,ASSEMBLY	In Stock
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Gasket	0	GASKET SET,FISH RGASKETX182	In Stock
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Stud	0	STUD,DEW 0282336	In Stock

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Critical Spares - Thermal Generation

Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Repair Kit	0	ACTUATOR KIT,FISH R667X000402	In Stock
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Cage	0	CAGE,FISH 2U224033272	In Stock
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Plug/Stem	0	PLUG ASSY,FISH 1V6575X0052	In Stock
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Ring	0	RING,FISH 1U222646172	In Stock
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Bushing	0	BUSHING,FISH 1E682814012	In Stock
Units 1 & 2 Fuel Oil System	Atomizing Steam Valve	Atomizing Steam Valve	2" Flanged Valve	0	VALVE,FISH ATOM STEAM	In Stock
Units 1 & 2 Fuel Oil System	Main Fuel Oil Trip Valve	Main Fuel Oil Trip Valve	Flanged Valve	0	VALVE,FISH F.O. TRIP	In Stock
Units 1 & 2 Fuel Oil System	Header Pressure Control Valve	Header Pressure Control Valve	Repair Kit	0	PACKING KIT,FISH RPACX00012	In Stock
Units 1 & 2 Fuel Oil System	Header Pressure Control Valve	Header Pressure Control Valve	Diaphragm	0	DIAPHRAGM,FISH 2E67002202	In Stock
Units 1 & 2 Fuel Oil System	Fuel Oil Pumps	Fuel Oil Pumps	PUMP,IMO C324	0	PUMP,IMO C324 (COMPLETE)	In Stock
Units 1 & 2 Fuel Oil System	Mechanical Seal	Mechanical Seal	Seal	0	SEAL,MECHANICAL FUEL C324	In Stock
Units 1 & 2 Fuel Oil System	Short Recirculation Valve	Short Recirculation Valve	Gasket Set	0	GASKET SET,FISH RGASKETX312	In Stock
Units 1 & 2 Fuel Oil System	Short Recirculation Valve	Short Recirculation Valve	Packing	0	PACKING KIT,FISH RPACX00012	In Stock
Units 1 & 2 Fuel Oil System	Short Recirculation Valve	Short Recirculation Valve	Ring	0	RING,FISH 1U222535072	In Stock
Units 1 & 2 Fuel Oil System	Short Recirculation Valve	Short Recirculation Valve	Plug/stem	0	PLUG/STEM,FISH 1U8350X0022	In Stock
Units 1 & 2 Fuel Oil System	Short Recirculation Valve	Short Recirculation Valve	Cage	0	CAGE,FISH 2U215033272	In Stock
Units 1 & 2 Fuel Oil System	Long Recirculation Valve	Long Recirculation Valve	Gasket	0	GASKET,FISH 10A4154X012	In Stock
Units 1 & 2 Fuel Oil System	Long Recirculation Valve	Long Recirculation Valve	Ring	0	RING,FISH 1U222835072	In Stock
Units 1 & 2 Fuel Oil System	Long Recirculation Valve	Long Recirculation Valve	Diaphragm	0	DIAPHRAGM,FISH 2N126902202	In Stock



Critical Spares - Thermal Generation

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Units 1 & 2 Fuel Oil System	Long Recirculatoin Valve	Long Recirculatoin Valve	Cage	Repair Parts Stocked Ref CN116597	CAGE,FISH 2U231833272	In Stock
Units 1 & 2 Fuel Oil System	Fuel Oil Heaters	Fuel Oil Heaters	Gaskets	0	GASKET,FUEL OIL HEATER	In Stock
Units 1 & 2 Fuel Oil System	Fuel Oil Heaters	Fuel Oil Heaters	Tube Bundles	Annual Inspection plus online Check. To be ordered as required.	HEATER,FUEL OIL STAGE 1	Non-Stock
Units 1 & 2 Fuel Oil System	Burners	Oil Valve	Oil, Steam & Scavange Valves - All Same	0	VALVE,BALL 3/4 C/W PNEU	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Cage	0	CAGE,FISH 42B3570X012	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Plug/stem	0	PLUG/STEM,FISH 36A5366X062	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Ring	0	RING,FISH 26A5285X012	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Ring	0	RING,FISH 26A5299X052	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Ring	0	RING,FISH 10A5411X022	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Pin	0	PIN,FISH 1V334035072	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Gasket	0	GASKET,FISH 18A2810X012	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Gasket	0	GASKET,FISH 26A5314X012	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Ring	0	RING,FISH 10A5410X012	In Stock
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	Packing	0	PACKING,FISH 1R290601012	In Stock
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Element Assembly (Volute)	Rebuildable Item If this is not in stock, it is out for rebuild.	ELEMENT ASSY,VOLUTE/ROTATING	In Stock
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Bushing	0	BUSHING,BJ 216507LG	In Stock



Critical Spares - Thermal Generation

Inventory Status
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Non Stock
On Order

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Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Shaft Driven Oil Pump	0	PUMP,BI DWG C1F-238	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Ring	0	RING,BJ 612987-EH	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Ring	0	RING,BJ 634599-BG	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Shoe	0	SHOE ASSY,BJ 631163-KD	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Cover	0	COVER,BJ 308952-SA	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	3000HP Motor, 4160Vac (two styles of motor for Stage 1, one each stocked)	Motor stored off site via service contract	SCIM, sin# 1026366788, frame MGP500B, 3000HP, 4160Vac, 60Hz	Non-Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Main Feedwater Low Load Control Valve	Gasket	0	GASKET,FISH 12B7100X082	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Main Feedwater Low Load Control Valve	Seal	Repair Parts stocked Ref CN1205-4568	SEAL,FISH 10A4215X012	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Main Feedwater Low Load Control Valve	Ring	Repair Parts stocked Ref CN1205-4568	RING,FISH 10A4217X012	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Main Feedwater Low Load Control Valve	Ring	Repair Parts stocked Ref CN1205-4568	RING,FISH 10A4219X012	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Main Feedwater Low Load Control Valve	Ring	0	RING,FISH 22B9344X012	In Stock	
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Main Feedwater Low Load Control Valve	Plug/Stem	0	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	0	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	0	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	0	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	0	MODULE,AQUARIAN	In Stock	



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit #2 - Heater # 4 & 6	Aquarian Alarm Modules	0	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	0	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	0	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	0	SOLENOID,ASCO 8300 125 VDC	In Stock
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Suction Valve Limit Switch	Oil Tight Limit Switch	0	SWITCH,LIMIT AB 802T-B	In Stock
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Suction Valve	Packing	0	PACKING,GRAFOIL 1IDX1 1/2OD	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Gasket	0	GASKET,HOP 30037592	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Spindle	0	SPINDLE,HOP 44574-011	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Nut	0	NUT,HOP 35224-508	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Stop	0	STOP,HOP 8 VALVE 24930W	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Belt	0	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	0	GASKET,S&K 7450397V0010	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	NRV Valves - Heater # 5	8" - 300# Gasket Kit	0	GASKET,S&K 7450397V0010	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	NRV Valves - Heater # 6	8" - 600# Gasket Kit	0	GASKET,S&K 7450397V0010	In Stock
Units 1 & 2 H.P. Feedwater System	Steam Drum	Level Control Transmitters	Level Transmitter	0	TRANSMITTER,PRESS 5-800	In Stock



Critical Spares - Thermal Generation

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Suction Line Safety Valve	1/2" x 1" Valve	0	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	0	VALVE,GATE 4 CS BW 300#	In Stock
Combustion Air & Gas Instruments	Burner Management	Positioner	2.5" x 5" Pneumatic PowerPositioner (Hagan)	0	VALVE ASSY,373218-001	In Stock
L.P. Feedwater System	Condensate Extraction Pumps	Pump	Coupling	0	COUPLING,METASTREA M	In Stock
L.P. Feedwater System	Condensate Extraction Pumps	Pump	Bearing	Mechanical Engineer to contact Flowserve for bearing spec.	BEARING,JOURNAL MP 215878E	Non-Stock
L.P. Feedwater System	Condensate Extraction Pumps	Pump	Impeller	0	IMPELLER,MAT PLA 27881-P	In Stock
L.P. Feedwater System	Condensate Extraction Pumps	Pump	Impeller	0	IMPELLER,MAT PLA 27882-P	In Stock
L.P. Feedwater System	Condensate Extraction Pumps	Pump	Impeller	0	O-RING,M&P 775C	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Cable	Cable	0	O-RING,MAT PLA 775D	In Stock
Turbine Generator System Stage 1	Governor	Governor	Mark 5 System - speed probes	0	PROBE,SPEED PICKUP	In Stock
Turbine Generator System Stage 1	Turbine Lube Oil System	Pressure Switch 1	Switch	0	SWITCH,PRESS 0-150 PSI	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve -Body	Positioner	0	POSITIONER,FISH DVC6200	In Stock
Condenser Air Extraction System	Mechanical Vacuum Pumps	Motor	Motor	0	MOTOR,ELECT 50HP 575V	In Stock
Generator	Stator	PT Cubicle	Potential Transformer (PT)	0	TRANSFORMER,GE 765X	In Stock
Generator	Stator	Stand Off Insulators	Stand Off Insulator	0	BUSHING,HIGH VOLTAGE GE	In Stock



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Turbine Generator System Stage 1	Governor	Governor	Truck V-Fast Cables	0	CABLE SET,FLUID POWER	In Stock
Generator	Stator	Stator and Brush Rigging Assembly	Brush	0	BRUSH,GENERATOR U1 & U2	In Stock
Units 1 & 2 Air & Flue Gas	F.D. Fans	Unit 1& 2 - Fans	Inboard Bearing Liner	0	LINER,BEARING 6"	In Stock
Units 1 & 2 Air & Flue Gas	F.D. Fans	Unit 1& 2 - Fans	Outboard Bearing Liner	0	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	0	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	Non-Stock
Powerhouse and Switchyard Single Line	258V DC System	Panel	400A DC Breaker	0	BREAKER,DC KD2400F 400A	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Panel	40A DC Breaker	0	BREAKER,DC HFD2040 40A	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-116	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-114-1	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-111-1	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-107-2	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-107-2	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-107-2	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-107-2A	In Stock



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Asset		Critical Spare				
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Electronic Control Cards	0	CARD,CIGENTEC 81-112-2	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Charger	Rectifier	0	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	0	VALVE,BUTTERFLY 36"	In Stock
Circulating Water and Screen Wash System	CW Discharge Valves	Actuator	CW Butterfly Valve Actuator	0	ACTUATOR ASSY,ROTORK	In Stock
Circulating Water and Screen Wash System	CW Pumps	Motor	Coils	0	COILS,STAGE 2 MOTOR	In Stock
Combustion Air & Gas Instruments	Burner Management	Burner Automation	Network Interface Modules	0	MODULE,NETWORK INTERFACE	In Stock
Combustion Air & Gas Instruments	Burner Management	Burner Automation	Master Fuel Trip Relays	0	RELAY,SD 8501XUDO	In Stock
Combustion Air & Gas Instruments	Burner Management	Burner Automation	DCS Control Processor	0	MODULE,PROCESSOR FOXBORO	In Stock
Combustion Air & Gas Instruments	Burner Management	Elevation Oil Flow Transmitter	Meter & Transmitter	0	FLOWMETER,PROMASS 83F40	In Stock
Combustion Air & Gas Instruments	Burner Management	Elevation Air Dampers	Positioner	0	POSITIONER,FISH DVC6200	In Stock
Condenser Air Extraction System	Vacuum Breakers	0	6" Flange Vacuum Breaker	0	VALVE,AIR & VACUUM 6 FLG	In Stock
Generator	Stator	Stator and Brush Rigging Assembly	Brush	0	BRUSH,GENERATOR U3	In Stock
Generator	Synchronous Condensor	Thrust Bearing	Bearing Pad	0	PAD,BEARING U3 SYNC COND	In Stock
Generator	Synchronous Condensor	Thrust Bearing	Seal Ring	0	RING,SEAL U3 SYNC COND	In Stock
Generator	Synchronous Condensor	Thrust Bearing	Thrust bearing	0	BEARING,THRUST U3 SYNC COND	In Stock



Critical Spares - Thermal Generation

Inventory Status

In Stock
Non Stock
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Explanation

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Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Generator	Synchronous Condensor	Thrust Bearing	Thrust bearing	0	BEARING,THRUST U3 SYNCH COND	In Stock	
Generator	Synchronous Condensor	Thrust Bearing	Seal Ring	0	RING,SEAL U3 SYNCH COND	In Stock	
Generator	Synchronous Condensor	Thrust Bearing	Thermocouple	0	THERMOCOUPLE,U3 SYNCH COND	In Stock	
Generator	Seal Oil System	Seals	Bellows	0	BELLOWS,HITACHI	In Stock	
Generator	Seal Oil System	Seals	Gaskets	0	GASKET,HITACHI	In Stock	
Generator	Seal Oil System	Seals	Gaskets	0	GASKET,HITACHI	In Stock	
Generator	Seal Oil System	Seals	Gaskets	0	GASKET,HITACHI	In Stock	
Generator	Exciter	Exciter Control System	Converter	0	CONVERTER,ABB EXCITER	In Stock	
Generator	Exciter	Exciter Control System	ECT Panel	0	ECT PANEL,ABB EXCITER	In Stock	
Generator	Exciter	Exciter Control System	Controller	0	CONTROLLER,ABB EXCITER	In Stock	
Generator	Exciter	Exciter Control System	Computer	0	COMPUTER,ABB EXCITER	In Stock	
Generator	Exciter	Exciter Control System	Firing Board	0	BOARD,ABB EXCITER	In Stock	
Generator	Exciter	Exciter Control System	Message Module	0	MODULE,ABB EXCITER	In Stock	
Generator	Exciter	Exciter Control System	Input Coupling	0	INPUT COUPLING UNIT,ABB	In Stock	
Generator	Exciter	Exciter Control System	Power Supply	0	POWER SUPPLY,ABB	In Stock	
Generator	Exciter	Exciter Control System	Crowbar	0	CROWBAR,ABB EXCITER	In Stock	



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Generator	Exciter	Exciter Control System	Murr	0	MURR,ABB EXCITER	In Stock
Generator	Exciter	Exciter Control System	Resistor	0	RESISTOR,ABB EXCITER	In Stock
Generator	Exciter	Exciter Control System	I/O / Board	0	BOARD,ABB COMBINED I/O	In Stock
Generator	Exciter	Exciter Control System	Field Breaker	0	BREAKER,FIELD,ABB E2/E	In Stock
Generator	Stator	Stand Off Insulators	Insulator Bushing	0	BUSHING,HIGH VOLTAGE HIT	In Stock
Generator	Stator	PT Cubicle	Potential Transformer (PT)	0	VOLTAGE TRANSFORMER, ABB VIZZ-	In Stock
Generator	Stator	PT Cubicle	Fuse	0	FUSE,GE EJO-1-C588L405G1	In Stock
Ignitor Light Oil and Air Supply	Light Oil	Trip Valve	1-1/2" Valve	0	VALVE KIT,JAMES RKB5MT	In Stock
Ignitor Light Oil and Air Supply	Light Oil	Igniter Control Box	Light Oil / Air Supply Solenoid Valve	0	SOLENOID,ASCO 8342C1	In Stock
Ignitor Light Oil and Air Supply	0	Igniter Control Box	Purge Solenoid Valve	0	SOLENOID,ASCO 8262G232	In Stock
Ignitor Light Oil and Air Supply	0	Igniter Control Box	Pneumatic Actuator	0	ACTUATOR,PNEU R16C	In Stock
Ignitor Light Oil and Air Supply	0	Igniter Control Box	Ignition Transformer	0	XFMR,IGNITION 120V 60C	In Stock
Ignitor Light Oil and Air Supply	0	Igniter Control Box	Relay	0	BOX,IGNITOR C/W CABLES N-6	In Stock
Ignitor Light Oil and Air Supply	0	Igniter Control Box	Sunspot - Scanner	0	SCANNER,FOSSIL 9100-1000	In Stock
Ignitor Light Oil and Air Supply	0	Igniter Control Box	Snap Action Switch	0	MICROSWITCH,16CX12-D01	In Stock



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Critical Spares - Thermal Generation

System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock		
Ignitor Light Oil and Air Supply	0	Igniter Control Box	1/4" Light Oil Air Ball Valves	0	VALVE,BALL 1/4" U3 IGNITOR	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Level Transmitter LP Heater #1	0	TRANSMITTER,LEVEL	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Aquarian Alarm Modules	0	MODULE,AQUARIAN	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Solenoid	0	SOLENOID,ASCO 8300 125 VDC	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Relay	0	RELAY,OMRON MM4XP-DC125	In Stock		
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)	0	Conductivity Probe	0	PROBE,CONDUCTIVITY	In Stock		
L.P. Feedwater System	Deaerator System	Deaerator	Gauge Glasses	0	GAUGE,GLASS 3/4X48	In Stock		
L.P. Feedwater System	Deaerator System	Level Control	Level Switch	0	SWITCH ASSY,MAG 89-7401-052	In Stock		
L.P. Feedwater System	Deaerator System	Level Control	Solenoid	0	SOLENOID,ASCO 8320G184M0	In Stock		
L.P. Feedwater System	Deaerator System	Level Control	Level Transmitter	0	TRANSMITTER, DP 0-120" H2O	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Repair Kit	0	VALVE KIT,BALL 8"	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Repair Kit	0	ACTUATOR KIT,WORCH C-38	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Valve	0	VALVE,FISH 8560-1052-36105	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Disc	0	DISC,FISH 75B1036X102	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Pin	0	PIN,FISH 75B1122X052	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Pin	0	PIN,FISH G13725K0022	In Stock		

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Critical Spares - Thermal Generation

System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Ring	0	RING,FISH 75B031,1X032	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Shaft	0	SHAFT,FISH 75B0014X012	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Spring	0	SPRING,FISH 75B0012X012	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Packing	0	PACKING,FISH 12A8951X022	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Bearing	0	BEARING,FISH 75B1076X012	In Stock		
L.P. Feedwater System	L.P. Heaters	NRV Valves - #2 LP Heater	20" Dia	0	GASKET,COVER HIT	In Stock		
L.P. Feedwater System	L.P. Heaters	NRV Valves - #1 LP Heater	24" Dia	0	GASKET,COVER HIT	In Stock		
L.P. Feedwater System	Deaerator System	NRV Valves (2)	14" Dia on DA	0	GASKET COVER HIT	In Stock		
L.P. Feedwater System	Deaerator System	Safety Valves	Disc	0	DISC,VALVE SAFETY RELIEF	In Stock		
L.P. Feedwater System	Polisher Bypass Valve	0	Parts to Repair	0	VALVE,FISH 8560-1052-36105	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Valves	Valve Kit	0	VALVE KIT,BALL 3	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Valves	Actuator Kit	0	ACTUATOR KIT,WORCH D-38	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Valves	Valve Kit	0	VALVE KIT,BALL 2	In Stock		
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Valves	Actuator Kit	0	ACTUATOR KIT,WORCH C-38	In Stock		
Main Steam & Reheat Steam; Turbine Drains	Vacuum Unloading Device	0	Bellows	0	BELLOW ASSY,HIT L1000-1	In Stock		
Powerhouse and Switchyard Single Line	258V DC System	Charger	400A DC Breaker	0	BREAKER,DC KD2400F 400A	In Stock		



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Powerhouse and Switchyard Single Line	258V DC System	0	40A DC Breaker	0	BREAKER,DC HFD2040 40A	In Stock
Turbine Generator System Stage 2	Governor	Governor	Piston	0	PISTON RING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Oil Seal	0	OIL SEAL-HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	O-Ring	0	O-RING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	O-Ring	0	O-RING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Bushing	0	BUSHING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Packing	0	PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Bushing	0	BUSHING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	O-Ring	0	O-RING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Bearing	0	BEARING,HITACHI LOAD LIMIT	In Stock
Turbine Generator System Stage 2	Governor	Governor	Bearing	0	BEARING,HITACHI LOAD LIMIT	In Stock
Turbine Generator System Stage 2	Governor	Governor	Piston	0	PISTON RING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Packing	0	PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Sleeve	0	SLEEVE,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Trunnion	0	TRUNNION,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Bearing	0	BEARING,BALL HITACHI	In Stock



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Turbine Generator System Stage 2	Governor	Governor	Pin	0	SPLIT PIN,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Bearing	0	BEARING,BALL HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Governor	Oil Seal	0	OIL SEAL-HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Packing	0	PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Piston	0	PISTON RING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Seat Packing	0	SEAT PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Washer	0	WASHER,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Washer	0	WASHER,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Washer	0	WASHER,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Seat Packing	0	SEAT PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Washer	0	WASHER,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Seat Packing	0	SEAT PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Seat Packing	0	SEAT PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Seat Packing	0	SEAT PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Washer	0	WASHER,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	Seat Packing	0	SEAT PACKING,HITACHI	In Stock



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	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 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 ITEM 36	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	DC Lube (Flushing) Oil Pump	Auto Start Pressure Switch	0	SWITCH,PRESS 10-300 TYPE ACW2	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	Seal Ring	0	SEALRING,10P-067-551-17	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	Seal Ring	0	SEALRING,10P-067-551-18	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	O-Ring	0	O-RING,HITACHI	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	Ring	0	RING,HIT 10P 067-551-13	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	Ring	0	RING,HIT 10P 067-551-17	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	Ring	0	RING,HIT 10P 067-551-18	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	Brush	0	BRUSH,HIT 10P 067-551-38	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Auxiliary Oil Pump	Bearing	0	BEARING,PLANE HIT ITEM 35	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Auxiliary Oil Pump	Bearing	0	BEARING,PLANE HIT ITEM 36	In Stock
Turbine Generator System Stage 2	Turbine Lube Oil System	Auxiliary Oil Pump	Motor	Refurbishable item. If it is not in stock, it is out for refurbishment.	MOTOR,AUX OIL YELLOW	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Upper	Seat	0	SEAT,10P-061-226-123	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Upper	Pin	0	PIN,10P-061-226-207	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Upper	Lockring	0	LOCKRING,10P-061-226-208	In Stock



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Upper	Lockring	0	LOCKRING,10P-061-226-209	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Upper	Pin	0	PIN,HIT 10P-061-226/16	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Upper	Pin	0	PIN,HIT 10P-061-226/98	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Lower	Bushing	0	BUSHING,HIT T-9201	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Lower	Pin	0	PIN,HIT 10P-061-228-125	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Lower	Crosshead	0	CROSSHEAD,HIT 10P0612283	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Lower	Pin	0	PIN,HIT 10P-061-228/98	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Lower	Pin	0	PIN,HIT 10P-061-228/16	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Stop Valves	Gasket	0	GASKET,STL #16	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Stop Valves	Gasket	0	GASKET,HIT 10P-038-197-16	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Stop Valves	Gasket	0	GASKET,HIT 10P-038-197-71	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Stop Valves	Bushing	0	BUSHING,10P-038-197/15	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Stop Valves	Seal Ring	0	SEAL RING,10P-038-197/14	In Stock
Turbine Generator System Stage 2	Main Steam Chest Assembly	Stop Valves	Bushing	0	BUSHING,HIT 10P-038-197/18	In Stock
Turbine Generator System Stage 2	Reheat Steam Chest Assembly	Reheat/ CV Valves	Bushing	0	BUSHING,HIT 10P0611582	In Stock
Turbine Generator System Stage 2	Reheat Steam Chest Assembly	Reheat/ CV Valves	Bushing	0	BUSHING,HIT 10P0611586	In Stock



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Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Turbine Generator System Stage 2	Reheat Steam Chest Assembly	Reheat/CV Valves	Bushing	0	BUSHING,HIT 10P06115814	In Stock	
Turbine Generator System Stage 2	Reheat Steam Chest Assembly	Reheat/CV Valves	Rivet	0	RIVET,HIT 10P-061-158-63	In Stock	
Turbine Generator System Stage 2	Reheat Steam Chest Assembly	Reheat/CV Valves	Stem	0	STEM,HIT 10P061158/7	In Stock	
Turbine Generator System Stage 2	Reheat Steam Chest Assembly	Reheat/CV Valves	Pin	0	PIN,HIT 10P06115872	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	0	Pressure Transmitter - Unit 3	0	TRANSMITTER,PRESS 0-200	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	2" Valve	Bushing	0	BUSHING,FISH 1E845714012	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	Main Steam Control Valve - Actuator	Diaphragm	0	DIAPHRAGM,FISH 2E859602202	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	Main Steam Control Valve - Actuator	Actuator repair kit	0	ACTUATOR KIT,FISH R667X000502	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	Main Steam Control Valve - Body	Packing Kit	0	PACKING KIT,FISH RPACCKX0011	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	Main Steam Control Valve - Positioner	Positioner	0	POSITIONER,FISH DVC6200	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	Auxiliary Steam Control Valve - actuator	Aux Steam Control Valve - Actuator - Unit 3	0	ACTUATOR KIT,FISH R470X000032	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	0	Aux Steam Control Valve - Body - Unit 3	0	BODY,VALVE FISH 3N192029022	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	0	Dump Control Valve - Actuator - Repair Kit - Unit	0	ACTUATOR KIT,FISHER R667	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	0	Ring	0	RING,FISH 17A3990X022	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	0	Ring	0	RING,FISH 1U508039102	In Stock	
Turbine Generator System Stage 2	Steam Seal Regulator	0	Pin	0	PIN,FISH 1V326035072	In Stock	



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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Turbine Generator System Stage 2	Steam Seal Regulator	0	Cage	0	CAGE,FISH 2U505939102	In Stock
Turbine Generator System Stage 2	Steam Seal Regulator	0	Plug	0	PLUG,FISH 27A3953X012	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	Series 8500 size 95 w/ 95" @ 100% width wheel	Thrust Plate	0	THRUST PLATE KIT,DODGE 132221	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	Drive Motor	Formed Coils	0	COIL,WINDING U3 FD FAN	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	Fan Assembly	Liner	0	LINER ASSY,DODGE 132423	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	Fan Assembly	Collar	0	COLLAR,DODGE 132154	On Order
Unit 3 Air & Flue Gas	F.D. Fans	Fan Assembly	Opposite side bearing	0	LINER ASSY,DODGE 132951	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	Fan Assembly	2 - Temperature probes installed in bearings	0	THERMOCOUPLE,TYPE T	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	Fan Assembly	Falk Steelflex coupling	0	COUPLING,STEEFLFLEX GRID	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	2 - Independent bearing pedestals	Gasket	0	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	0	DRIVE KIT,BAILEY 532694C1	In Stock
Unit 3 Air & Flue Gas	F.D. Fans	variable inlet vanes	Actuator repair kit	0	DRIVE KIT,BAILEY 256111A0	In Stock
Unit 3 Air & Flue Gas	Rotary Air Heaters	Gearbox	Gearbox	0	GEARBOX,AIR HEATER U3	In Stock
Unit 3 Air & Flue Gas	Rotary Air Heaters	Pneumatic Drive System	Air Drive Motor	0	AIR MOTOR,ING RAND	In Stock

Critical Spares - Thermal Generation

Explanation

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Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	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	0	Probe	0	PROBE,OXYGEN ANALYZER	In Stock	
Unit 3 Air & Flue Gas	O2 Analyzers	0	Analyser	0	ANALYZER,ROSE 3000 OXY	In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Trip Valve	Gasket	0	GASKET SET,FISH RGASKETX362	In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Trip Valve	Packing	0	PACKING KIT,FISH RPACKX0002	In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Trip Valve	Actuator	0	ACTUATOR KIT,FISH R667X000502	In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Trip Valve	Regulator	0	REGULATOR KIT,FISH WR67AFRX011	In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Trip Valve	Bushing	0	BUSHING,FISH 1E845714012	In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Trip Valve	Diaphragm	0	DIAPHRAGM,FISH 2E859802202	In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Trip Valve	Cage	0	CAGE,FISH 2U236033272	In Stock	
Unit 3 Fuel Oil System	0	Combustion Control Valves	Ring	0	RING,FISH 1U217305092	In Stock	
Unit 3 Fuel Oil System	0	Combustion Control Valves	Seat	0	SEAT,FISH 1U222046172	In Stock	
Unit 3 Fuel Oil System	0	Combustion Control Valves	Plug/Stem	0	PLUG/STEM,FISH 1V6571X0042	In Stock	
Unit 3 Fuel Oil System	0	Combustion Control Valves	Cage	0	CAGE,FISH 2U215333272	In Stock	
Unit 3 Fuel Oil System	0	Combustion Control Valves	Gasket	0	GASKET SET,FISH RGASKETX242	In Stock	



Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

Explanation

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System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock		
Unit 3 Fuel Oil System	0	Combustion Control Valves	Packing	0	PACKING KIT,FISH RPACKX00012	In Stock		
Unit 3 Fuel Oil System	0	Combustion Control Valves	Bushing	0	BUSHING,FISH 1E682814012	In Stock		
Unit 3 Fuel Oil System	0	Combustion Control Valves	Diaphragm	0	DIAPHRAGM,FISH 2E669902202	In Stock		
Unit 3 Fuel Oil System	0	Atomizing Steam Valve	Cage	0	CAGE,FISH 2U223733272	In Stock		
Unit 3 Fuel Oil System	0	Atomizing Steam Valve	Ring	0	RING,FISH 1U222646172	In Stock		
Unit 3 Fuel Oil System	0	Atomizing Steam Valve	Plug/Stem	0	PLUG ASSY,FISH 1V6575X0052	In Stock		
Unit 3 Fuel Oil System	0	Atomizing Steam Valve	Packing	0	PACKING KIT,FISH RPACKX0002	In Stock		
Unit 3 Fuel Oil System	0	Atomizing Steam Valve	Gasket	0	GASKET SET,FISH RGASKETX182	In Stock		
Unit 3 Fuel Oil System	0	Atomizing Steam Valve	Diaphragm	0	DIAPHRAGM,FISH 2E670002202	In Stock		
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Packing	0	PACKING KIT,FISH RPACKX0002	In Stock		
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Repair Kit	0	ACTUATOR KIT,FISH R667X000402	In Stock		
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Bushing	0	BUSHING,FISH 1E682814012	In Stock		
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Retainer	0	RETAINER,FISH 1V710935072	In Stock		
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Disc	0	DISC,FISH 1V711006242	In Stock		
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Seat	0	SEAT,FISH 1V711135072	In Stock		
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Diaphragm	0	DIAPHRAGM,FISH 2E669902202	In Stock		

Explanation

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Critical Spares - Thermal Generation

System		Asset			Critical Spare			Inventory Status
	Sub-System	Asset	Defined Spare	Notes	Inventory Description			
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD		In Stock	
Unit 3 Fuel Oil System	0	Level Fuel Oil Trip Valves (3)	Cage	0	CAGE,FISH 2U227633272		In Stock	
Unit 3 Fuel Oil System	0	Header Pressure Control Valve	Repair Kit	0	ACTUATOR KIT,FISH R667X000402		In Stock	
Unit 3 Fuel Oil System	0	Header Pressure Control Valve	Bushing	0	BUSHING,FISH 1E682814012		In Stock	
Unit 3 Fuel Oil System	0	Header Pressure Control Valve	Diaphragm	0	DIAPHRAGM,FISH 2E669902202		In Stock	
Unit 3 Fuel Oil System	0	Fuel Oil Pumps	Pump	0	PUMP,MAIN FUEL OIL KRAL		In Stock	
Unit 3 Fuel Oil System	0	Main Fuel Oil Recirculation Valve	1" Welded Flange Valve w/ Actuator	0	VALVE ASSY,JAMES 1052 1"		In Stock	
Unit 3 Fuel Oil System	0	Level Fuel Oil Recirculation Valves	3/4" Welded Valve w/ Actuator	0	VALVE ASSY,JAMES 1052 3/4"		In Stock	
Unit 3 Fuel Oil System	Burners	Oil Valve	1/2" Ball Valve	0	VALVE KIT,JAMES RK85MT		In Stock	
Unit 3 Fuel Oil System	Burners	Steam Valve	Gasket	0	GASKET SET,FISH RGASKETX312		In Stock	
Unit 3 Fuel Oil System	Burners	Steam Valve	Packing	0	PACKING KIT,FISH RPACX00012		In Stock	
Unit 3 Fuel Oil System	Burners	Steam Valve	Plug/Stem	0	PLUG/STEM,FISH 1U2161X0082		In Stock	
Unit 3 Fuel Oil System	Burners	Steam Valve	Ring	0	RING,FISH 1U222546172		In Stock	
Unit 3 Fuel Oil System	Burners	Steam Valve	Cage	0	CAGE,FISH 2U215033272		In Stock	
Unit 3 Fuel Oil System	Burners	Scavenge Valve	Gasket	0	GASKET SET,FISH RGASKETX312		In Stock	
Unit 3 Fuel Oil System	Burners	Scavenge Valve	Packing	0	PACKING KIT,FISH RPACX00012		In Stock	
Unit 3 Fuel Oil System	Burners	Scavenge Valve	Plug/Stem	0	PLUG/STEM,FISH 1U2161X0082		In Stock	

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Critical Spares - Thermal Generation

Asset		Critical Spare				
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Unit 3 Fuel Oil System	Burners	Scavenge Valve	Ring	0	RING,FISH 1U222546172	In Stock
Unit 3 Fuel Oil System	Burners	Scavenge Valve	Cage	0	CAGE,FISH 2U215033272	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Rotating Assembly	0	CASE ASSY,BWL (INNER)	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Shoe Assembly	0	SHOE ASSY,KI-00166-A-3740	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Throttle bushing (2 req'd)	0	BUSHING,BWL 3106181	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Bearing	0	BEARING,HIT 9-60-1	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Bearing	0	BEARING,HIT 9-60-2	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Balance bushing	0	BUSHING,BWL 3106181	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Thrust bearing	0	BEARING ASSY,THRUST JHJ-5	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	Gaskets	0	GASKET,BWL T-101204/G	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# 1026842642, frame MGP450D,	Non-Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	6" - EHT valve 1500lb - Welded	0	DIAPHRAGM,FISH 2R6376X00	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 10A5411X022 - Seal Ring	0	RING,FISH 10A5411X022	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 13A5599X052 - O-Ring	0	O-RING,FISH 13A5599X052	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 26A52990X52 - Seat Ring Retainer	0	RING,FISH 26A5299X052	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 27A2798X042 - Seat Ring, O-Ring	0	RING,FISH 27A2798X042	In Stock



Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

Explanation

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Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 42B3570X012 - Cage, Eq%	0	CAGE,FISH 42B3570X012	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 36A5366X062 - Plug/Stem Bal	0	PLUG/STEM,FISH 36A5366X062	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	2 - 26A5314X012 - Gasket	0	GASKET,FISH 26A5314X012	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 1J872906332 - Upper Wiper	0	WIPER,FISH 1J872906332	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 1J873435072 - Packing Box Ring	0	RING,FISH 1J873435072	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 1R290601012 - Packing Set	0	PACKING,FISH 1R290601012	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 1H7441X0022 - Bushing Seal	0	SEAL,FISH 1H7441X0022	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - 2R6376X0082 - Diaphragm	0	DIAPHRAGM,FISH 2R6376X00	In Stock	
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	1 - R667X00802 - Repair Kit	0	ACTUATOR KIT,FISHER R667	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	All HP Heaters	Conductivity Probe	0	PROBE,CONDUCTIVITY	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	0	Aquarian Alarm Module	0	PROBE,AQUARIAN	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	0	Level Transmitter	0	TRANSMITTER, DP 0-120" H2O	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	0	Relay	0	RELAY,OMRON MM4XP-DC125	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	0	Solenoid	0	SOLENOID,ASCO 8300 125 VDC	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Bushing	0	BUSHING,DEW 0800.109	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Clip	0	CLIP,DEW 0540097	In Stock	



Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

Explanation

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Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Ring	0	RING,DEW 0760093	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Ring	0	RING,DEW 668215DEW	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Screw	0	SCREW,DEW 0440024	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Spacer	0	SPACER,DEW 0660065	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Spring	0	SPRING,DEW 6580312 (3/SET)	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Stern	0	STEM,DEW 0040851	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Stud	0	STUD,DEW 0282351	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Stud	0	STUD,DEW 0280514	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Packing	0	PACKING,DEW 6442946	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Nut	0	NUT,DEW P71ER250	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	NRV Valves - #6 HP Heater	6" Dia	0	GASKET,COVER HIT	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	NRV Valves - #5 HP Heater	8" Dia	0	GASKET,COVER HIT	In Stock	
Unit 3 H.P. Feedwater System	H.P. Heaters	NRV Valves - #4 HP Heater	10" Dia	0	GASKET,COVER HIT	In Stock	
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Stud	0	STUD,DEW 0280443	In Stock	
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Stud	0	STUD,DEW 0280513	In Stock	
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Disc	0	DISC,DEW 051095	In Stock	

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Critical Spares - Thermal Generation

Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Ring	0	RING,DEW 0760072	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Ring	0	RING,DEW 2004920	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Stud	0	STUD,DEW 0440024	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Nut	0	NUT,DEW #2003863	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Nut	0	NUT,DEW 2000006	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	Nut	0	NUT,KEYSTONE 903-735	In Stock
Unit 3 H.P. Feedwater System	Steam Drum	Level Control Transmitters	Transmitter	0	TRANSMITTER,PRESS 5-800	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Cage	0	CAGE ASSY,FISH 22A3525X022	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Packing	0	PACKING,FISH 1R290601012	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Plug/Stem	0	PLUG/STEM,FISH 22A3527X052	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Gasket	0	GASKET,FISH 10A4155X012	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Gasket	0	GASKET,FISH 10A4154X012	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Ring	0	RING,FISH 10A4210X012	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Ring	0	RING,FISH 12A3529X012	In Stock
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Ring	0	RING,FISH 11A3306X012	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	Suction Line Safety Valve	1/2" Dia	0	VALVE,RELIEF 1/2"110# SE	In Stock

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Critical Spares - Thermal Generation

Asset				Critical Spare		
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Body	0	BODY,VALVE MASON 37-79264	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Ring	0	RING KIT,MASON 01148734399	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Gasket	0	GASKET,MASON 356154-152-825	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Seal	0	SEAL,MASON 354810-034-779	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Retainer	0	RETAINER,MASON 358754-000-163	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Seal	0	SEAL,MASON 358753-000-210	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Pin	0	PIN,MASON 971342-023-250	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Stem	0	STEM,MASON 358738-113-210	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Plug	0	PLUG,MASON 011509398-206-0000	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Seat	0	SEAT,MASON 358748-000-596	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Liner	0	LINER,MASON 011509395-213-0000	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Diaphragm	0	DIAPHRAGM,MASON 010275-040-77	In Stock
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	Stem	0	STEM,MASON 770354-027-152	In Stock
Station Board SB12 (SSB1)	Aux Transformer ATC - SSB3	Power Center CSAB12 (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 CSAB12 (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



Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

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Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Station Board SB12 (SSB1)	Aux Transformer ATC - SSB3	Power Center C SAB12 (C1) (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) (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) (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) (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) (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) (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) (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) (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) (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) (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	
Station Board SB12 (SSB1)	Aux Transformer ATC - SSB3	Power Center C SAB12 (C1) (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	



Inventory Status
In Stock
Non Stock
On Order

Explanation

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 NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Critical Spares - Thermal Generation

Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	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)	0	0	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) (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) (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)	0	0	Feeder to transformer ATC - breaker SSB-3	Shares spare with Feeder to Station Board - breaker SSB-1, 5HK-VR-250-2000A	BREAKER,EATON 4160V 2000A	In Stock	
Station Board SB12 (SSB1)	0	0	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)	0	0	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)	0	0	Feeder to Station Board - breaker SSB-2	Shares spare with Feeder to Station Board - breaker SSB-1, 5HK-VR-250-2000A	BREAKER,EATON 4160V 2000A	In Stock	
Station Board SB12 (SSB1)	0	0	Feeder to Station Board - breaker SSB-4	Shares spare with Feeder to Station Board - breaker SSB-1, 5HK-VR-250-2000A	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	



Critical Spares - Thermal Generation

Inventory Status

In Stock
Non Stock
On Order

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Asset		Critical Spare				
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	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
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)	0	0	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)	0	0	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)	0	0	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)	0	0	breaker TB12 relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY,OVERCURRENT SEL 551C	In Stock

Critical Spares - Thermal Generation

Explanation

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Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Station Board SB34 (ST34)	0	0	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)	0	0	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)	0	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)	0	TB3 relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY,OVERCURRENT SEL 551C	In Stock	
Station Board SB34 (ST34)	0	0	Feeder to Station Board - breaker ST34 & relays	Shares spare with Feeder to Station Board - breaker SSB-1, 5HK-VR-250-2000A	BREAKER,EATON 4160V 2000A	In Stock	
Station Board SB34 (ST34)	0	0	Feeder to Station Board - breaker TB12 & relays	Shares spare with Feeder to Station Board - breaker SSB-1, 5HK-VR-250-2000A	BREAKER,EATON 4160V 2000A	In Stock	
Station Board SB34 (ST34)	TB3 (Tie Breaker Between Station Board SB34 & Unit Board UB3)	0	Circuit Breaker TB3	Shares spare with Feeder to Station Board - breaker SSB-1, 5HK-VR-250-2000A	BREAKER,EATON 4160V 2000A	In Stock	
Station Board SB34 (ST34)	0	0	breaker PSM3 & relay	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER,EATON 4160V 1200A	In Stock	
Station Board SB34 (ST34)	0	0	breaker TB12 relays	Shares spare with MAVS devices - replaced by ABB SYN5201-0271	SYNCHROTRACT,SYN5201	In Stock	
Station Board SB34 (ST34)	0	0	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)	0	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)	0	TB3 relays	Shares spare with other Westinghouse relays - replaced by ABB SPAU121C	RELAY,VOLTAGE ABB SPAU121C	In Stock	



Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

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Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
UB1-1 (Tie Breaker Between Station Board SB12 & Unit Board UB1)	0	0	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)	0	0	UB1-1 Relay	Shares spare with MAVS devices - replaced by ABB SYN5201-0271	SYNCHROTRACT,SYN5201	In Stock	
UB1-1 (Tie Breaker Between Station Board SB12 & Unit Board UB1)	0	0	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)	0	0	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)	0	0	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)	0	0	UB2-12 Relay	Shares spare with MAVS devices - replaced by ABB SYN5201-0271	SYNCHROTRACT,SYN5201	In Stock	
UB2-12 (Tie Breaker Between Unit Board UB2 & Station Board SB12)	0	0	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)	0	0	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)	0	0	UB2-12 Relay	Shares spare with other Westinghouse relays - replaced by ABB SPAU121C	RELAY,VOLTAGE ABB SPAU121C	In Stock	
Unit Board UB1 (UB1-2)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (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) (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	



Critical Spares - Thermal Generation

Inventory Status
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	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)	0	0	UB1-4 relay	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-9 relay	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-11 relay	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-2 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMA-2	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-2 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMA-1	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-2 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMS-1	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-2 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMH-2	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-3 relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY,OVERCURRENT SEL 551C	In Stock
Unit Board UB1 (UB1-2)	0	0	UB1-3 relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY,OVERCURRENT SEL 551C	In Stock
Unit Board UB1 (UB1-2)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (Alternate Feed Transfer Bus A9)	Relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY,OVERCURRENT SEL 551C	In Stock

Critical Spares - Thermal Generation

Inventory Status

In Stock
Non Stock
On Order

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Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING, PEERLESS INBOARD	In Stock	
Unit Board UB1 (UB1-2)	0	0	Feeder to Unit Board UB1 - breaker UB1-2	Shares spare with Feeder to Station Board - breaker SSB-1, 5HK-VR-250-2000A	BREAKER, EATON 4160V 2000A	In Stock	
Unit Board UB1 (UB1-2)	0	0	Feeder to transformer ATA breaker UB1-3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-4	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-5	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-6	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-7	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-8	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-9	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-10	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	breaker UB1-11	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB1 (UB1-2)	0	0	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	

Critical Spares - Thermal Generation

Inventory Status

In Stock
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	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
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)	0	0	UB2-3 relay	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-4 relay	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-9 relay	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-10 relay	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-1 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMA-2	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-1 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMA-1	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-1 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMS-1	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-1 relays	Shares spare with CGE HFA devices	RELAY,AUXILIARY RXMH-2	In Stock
Unit Board UB2 (UB2-1)	0	0	UB2-2 relays	Shares spare with CGE IACS1 and ICA53 devices - replaced by SEL-551C	RELAY,OVERCURRENT SEL 551C	In Stock

Critical Spares - Thermal Generation

Inventory Status

In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
 Item is not stocked, '0' quantity in Warehouse, ordered as required. See NOTES.
 Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
 NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING, PEERLESS INBOARD	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-2 relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY, OVERCURRENT SEL 551C	In Stock	
Unit Board UB2 (UB2-1)	0	0	Feeder to Unit Board - breaker UB2-1 & relays	Shares spare with Feeder to Station Board - breaker 55B-1.	BREAKER, EATON 4160V 2000A	In Stock	
Unit Board UB2 (UB2-1)	0	0	Feeder to Transformer ATB, breaker UB2-2	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-4	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-5	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-6	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-7	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-8	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-9	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-10	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB2 (UB2-1)	0	0	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	Shares spare with CGE IAC51 and ICA53 devices	RELAY, OVERCURRENT SEL 551C	In Stock	



Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
Item is not stocked, '0' quantity in Warehouse, ordered as required. See NOTES.
Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING, PEERLESS INBOARD	In Stock		
Unit Board UB2 (UB2-4)	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		
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. PBS/3E5N11	In Stock		
Unit Board UB3 (UT3)	0	0	UT3 relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY, OVERCURRENT SEL 551C	In Stock		
Unit Board UB3 (UT3)	0	0	UT3 relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY, OVERCURRENT SEL 551C	In Stock		
Unit Board UB3 (UT3)	0	0	UAT3 Relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY, OVERCURRENT SEL 551C	In Stock		
Unit Board UB3 (UT3)	0	0	UAT3 Relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY, OVERCURRENT SEL 551C	In Stock		

Critical Spares - Thermal Generation

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
 Item is not stocked, '0' quantity in Warehouse, ordered as required. See NOTES.
 Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
 NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING, PEERLESS INBOARD	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)	0	0	Feeder to Unit Board - breaker UT3	Shares spare with Feeder to Station Board - breaker 55B-1.	BREAKER, EATON 4160V 2000A	In Stock	
Unit Board UB3 (UT3)	0	0	Feeder to transformer UAT3 - breaker UAT3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	BEF3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	BFW3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	FDE3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	FDW3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	CEN3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	CES3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	CWE3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	CWW3	Shares spare with Feeder to transformer SAT34 - breaker SAT34, 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	In Stock	
Unit Board UB3 (UT3)	0	0	UT3 relays	Shares spare with other Westinghouse relays - replaced by ABB SPAU121C	RELAY, VOLTAGE ABB SPAU121C	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Relays	Shares spare with other Westinghouse relays - replaced by ABB SPAU121C	RELAY, VOLTAGE ABB SPAU121C	In Stock	



Critical Spares - Thermal Generation

Inventory Status

In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
Item is not stocked, '0' quantity in Warehouse, ordered as required. See NOTES.
Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Asset			Critical Spare				Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Station Board SB12 (SSB1)	0	0	SSB-3 Relay	Replaced by SEL-551C	RELAY,OVERCURRENT SEL 551C	In Stock	
Station Board SB12 (SSB1)	Aux Transformer ATC- SSB3	Power Center C SAB12 (C1) (Alternate Feed Tie Breaker to Transfer Bus C15)	Relays	Replaced by SEL701	RELAY,PROTECTION SEL701	In Stock	
Station Board SB12 (SSB1)	0	0	Feeder to Station Board - breaker SSB-1 & Relays	Direct replacement breaker 5HK-VR-250-2000A	BREAKER,EATON 4160V 2000A	In Stock	
Station Board SB12 (SSB1)	0	0	SSB-1 Relay	Replaced by ABB SYN5201-0271	SYNCHROCONTACT,SYN5201	In Stock	
Station Board SB12 (SSB1)	0	0	SSB-1 Relay	Replaced by ABB SPAU121C	RELAY,VOLTAGE ABB SPAU121C	In Stock	
Station Board SB12 (SSB1)	0	0	SSB-1 Relay	Replaced by ABB RXMA/RXMH	RELAY,AUXILIARY RXMA-2	In Stock	
Station Board SB12 (SSB1)	0	0	SSB-1 Relay	Replaced by ABB RXMA/RXMH	RELAY,AUXILIARY RXMA-1	In Stock	
Station Board SB12 (SSB1)	0	0	SSB-1 Relay	Replaced by ABB RXMA/RXMH	RELAY,AUXILIARY RXMS-1	In Stock	
Station Board SB12 (SSB1)	0	0	SSB-1 Relay	Replaced by ABB RXMA/RXMH	RELAY,AUXILIARY RXMH-2	In Stock	
Station Board SB34 (ST34)	0	0	breaker PSM3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB1 (UB1-2)	0	0	UB1-5 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB1 (UB1-2)	0	0	UB1-6 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB1 (UB1-2)	0	0	UB1-7 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB1 (UB1-2)	0	0	UB1-8 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB1 (UB1-2)	0	0	UB1-10 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-5 relay	Replaced by SEL701	RELAY,PROTECTION SEL701	In Stock	

Explanation

Stock quantity of '1' or more in warehouse inventory
 Item is not stocked, '0' quantity in Warehouse, ordered as required. See NOTES.
 Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
 NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Critical Spares - Thermal Generation

System	Asset			Critical Spare			Inventory Status
	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status	
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-6 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-7 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB2 (UB2-1)	0	0	UB2-8 relay	Replaced by SEL701	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	BFE3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	BFW3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	FDE3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	FDW3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	CEN3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	CES3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	CWE3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	0	0	CWW3 relay	n/a	RELAY,PROTECTION SEL701	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Relays	n/a	RELAY,PROTECTION SEL701	In Stock	
Station Board SB12 (SSB1)	Aux Transformer ATC - SSB3	Power Center C SAB12 (C1) (Alternate Feed Tie Breaker to Transfer Bus C15)	Feeder to Power Centre - breaker C1	Purchasing re-build kit/critical spares kit for AK-1-50 frame breaker	BREAKER,EATON 600V	In Stock	
Station Board SB12 (SSB1)	Aux Transformer ATC - SSB3	Power Center C SAB12 (C1)	Feeder to MCC C1 - breaker C2	Purchasing re-build kit/critical spares kit for AK-2-25 frame breaker	BREAKER,EATON 600V	In Stock	
Station Board SB34 (ST34)	0	0	Feeder to transformer SAT34 - breaker SAT34 & relays	Direct replacement breaker 5HK-VR-250-1200A	BREAKER,EATON 4160V 1200A	In Stock	

Explanation

Stock quantity of '1' or more in warehouse inventory
 Item is not stocked, '0' quantity in Warehouse, ordered as required. See NOTES.
 Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
 NOTE: Items may be listed as critical for multiple components, resulting in multiple "On Order" Status'.

Critical Spares - Thermal Generation

System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
Fire Protection System	Electrical Driven Pump	Pump	Inboard Bearing	0	BEARING,PEERLESS INBOARD	In Stock		
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	Feeder to Station Board - breaker SAB34	Purchasing re-build kit/critical spares kit for 65H frame breaker	BREAKER,SCHNEIDER 600V	In Stock		
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	Feeder to Station Board - breaker ATB12	Purchasing re-build kit/critical spares kit for 50H-2 frame breaker	BREAKER,SCHNEIDER 600V	In Stock		
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	WAM34	Purchasing re-build kit/critical spares kit for 50H-3 frame breaker	BREAKER,SCHNEIDER 600V	In Stock		
Unit Board UB1 (UB1-2)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (Alternate Feed Transfer Bus A9)	Relays	Shares spare with all other P&B Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock		
Unit Board UB1 (UB1-2)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (Alternate Feed Transfer Bus A9)	Relays	Shares spare with CGE IAC51 and ICA53 devices - replaced by SEL-551C	RELAY,OVERCURRENT 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 Golds devices.	RELAY,RETRO. PBSJ3E5N11	In Stock		

Appendix G

Critical Spares Status Listing for Combustion Turbine Generation





Critical Spares Status
Hardwoods and Stephenville – Gas Turbines

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
High Energy Ignition Unit, Gas Generator, Prime Mover Systems	In Stock	High	N/A	
Bearing (494047), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Bearing (494056), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Vibration Transducer, Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Jacking Oil Pump, Main Lube Oil System, Auxiliary Systems	In Stock	High	N/A	
Fuel Filter, Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Oil Filter Unit - Complete (B.108506), Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Filter (494064), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Proximity Switch, Clutch, Prime Mover Systems	In Stock	Medium	N/A	
Alfair Quick Shutoff Valve (AV-LF-1), Liquid Fuel System, Auxiliary Systems	In Stock	High	N/A	
Fuel Valve (FC-LF-1), Liquid Fuel System, Auxiliary Systems	In Stock	High	N/A	
Fuel Recirculation Solenoid Valve (LF-7), Liquid Fuel System, Auxiliary Systems	In Stock	Medium	N/A	
Fuel Regulator (LF-4), Liquid Fuel System, Auxiliary Systems	In Stock	Medium	N/A	
Jacking Oil Permissive Pressure Switch, Main Lube Oil System, Auxiliary Systems	In Stock	High	N/A	
Valve (181536), Power Turbine Model CT2, Prime Mover Systems	In Stock	Low	N/A	
Primary Ratchet Ring, Clutch, Prime Mover Systems; A side	In Stock	High	N/A	
Primary Ratchet Ring, Clutch, Prime Mover Systems; B side	In Stock	High	N/A	
Secondary Ratchet Ring, Clutch, Prime Mover Systems; A side	In Stock	High	N/A	
Secondary Ratchet Ring, Clutch, Prime Mover Systems; B side	In Stock	High	N/A	
Ring that the Primary Pawl and spring are installed	In Stock	Medium	N/A	
Primary Pawl Spring, Clutch, Prime Mover Systems	In Stock	High	N/A	
Primary Pawl, Clutch, Prime Mover Systems	In Stock	High	N/A	
Secondary Pawl, Clutch, Prime Mover Systems	In Stock	Medium	N/A	
Limit Switch, Snow Door Assembly, Exhaust, Prime Mover Systems, SVL GT	In Stock	Medium	N/A	
Thermocouple (181398N1), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Speed Pickup (181487), Power Turbine Model CT2, Prime Mover Systems	In Stock	High	N/A	
Thermocouple (181397), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Thermocouple (181398N2), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Probe (181414N1), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Probe (181414N2), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Thermocouple (184847), Power Turbine Model CT2, Prime Mover Systems	In Stock	High	N/A	
Motor Operated Tank Shutoff Valve (LF-38), Liquid Fuel System, Auxiliary Systems, HWD GT	In Stock	High	N/A	
Final Fuel Filter (F-LF-1), Liquid Fuel System, Auxiliary Systems	In Stock	Medium	N/A	
Heater Filter Coalescer, Liquid Fuel System, Auxiliary Systems	In Stock	Medium	N/A	
Prefilter, Liquid Fuel System, Auxiliary Systems	In Stock	Medium	N/A	
High Efficiency Farr HP-100 Filter (2'x2'x2"), Filter Box - Curtiss Wright, Prime Mover Systems	In Stock	Medium	N/A	
Filter (F-GGLO-1), Gas Generator Lube Oil System, Auxiliary Systems	In Stock	High	N/A	
Unloading Filter, Liquid Fuel System, Auxiliary Systems, SVL GT	In Stock	Medium	N/A	
Duplex 25u Filter (F-LO-1), Main Lube Oil System, Auxiliary Systems	In Stock	Medium	N/A	
Filter/Coalescer Heater (HTR-LF-1), Liquid Fuel System, Auxiliary Systems, HWD GT	In Stock	Medium	N/A	
P3 Pressure Transducer (PT-P3-1), Liquid Fuel System, Auxiliary Systems	In Stock	High	N/A	
Fuel Supply Thermocouple (TC-LF-1), Liquid Fuel System, Auxiliary Systems, SVL GT	In Stock	Medium	N/A	
Alternator Cooling Air Temperature Thermocouple (TC-A-1), Alternator Cooling System, Auxiliary Systems, SVL GT	In Stock	Medium	N/A	
Common Drain Clutch B Thermocouple (TC-LO-11), Main Lube Oil System, Auxiliary Systems, SVL GT	In Stock	Medium	N/A	

Critical Spares Status
Hardwoods and Stephenville – Gas Turbines



Recommended Component	Stock	Risk Score	Expected Delivery	Comments
Compressor Start-Stop Pressure Switch (PS-CA-1), Gas Generator Air Starter System, Auxiliary Systems	In Stock	High	N/A	
Compressor Start-Stop Pressure Switch (PS-CA-2), Gas Generator Air Starter System, Auxiliary Systems	In Stock	High	N/A	
Anti-Ficing Hot Air Valve - Complete (810-501-0747), Gas Generator, Prime Mover Systems	In Stock	Low	N/A	
Gas Generator Permissive Start Pressure Switch, Gas Generator Air Starter System, Auxiliary Systems	In Stock	High	N/A	
Starter Overpressure Pressure Switch (PS-CA-3), Gas Generator Air Starter System, Auxiliary Systems	In Stock	High	N/A	
Pressure Regulating Valve (LO-8), Main Lube Oil System, Auxiliary Systems	On Order	Medium	Late Nov 2024	
Inlet Temperature Thermocouple, Gas Generator Enclosure with Septum Doors, Prime Mover Systems	In Stock	Medium	N/A	
Resistance Temperature Detector Probe, Gas Generator Enclosure with Septum Doors, Prime Mover Systems	In Stock	Medium	N/A	
NC Solenoid Valve (SV-CA-3), Gas Generator Air Starter System, Auxiliary Systems	In Stock	High	N/A	
Combustion Chamber, Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Lower Fuel Pump Assembly, Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Outer Fuel Pump Drive Assembly (BDA.7591), Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Upper Fuel Pump Assembly, Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Exciter Bearing, 63MVA 50MW Generator, Power Generation Systems	In Stock	High	N/A	
Rotor Bearing, 63MVA 50MW Generator, Power Generation Systems	In Stock	High	N/A	
Pressure Switch, Main Lube Oil System, Auxiliary Systems, SVL GT	In Stock	Medium	N/A	
Oil to Clutch A Pressure Transducer (PT-LO-1), Main Lube Oil System, Auxiliary Systems, SVL GT	In Stock	High	N/A	
Fuel Pressure Transducer (PT-LF-1), Liquid Fuel System, Auxiliary Systems	In Stock	Medium	N/A	
Oil Pump - Complete, Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Outer Oil Pump Drive Assembly (47-1-1-006409), Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Outer Starter Drive Assembly (BDA.1153), Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
Scavenge Pump Assembly (47-1-1-006418), Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
HP Compressor Magnetic Pickup, Gas Generator, Prime Mover Systems	In Stock	Low	N/A	
LP Compressor Magnetic Pickup, Gas Generator, Prime Mover Systems	In Stock	Low	N/A	
Low Liquid Level Alarm Switch (LL-GL-1), MLO/Glycol Cooling System, Auxiliary Systems	In Stock	Medium	N/A	
Heater Control Temperature Switch (TS-GGLO-1), Gas Generator Lube Oil System, Auxiliary Systems	In Stock	Medium	N/A	
Heater Control Temperature Switch (TS-LO-1), Main Lube Oil System, Auxiliary Systems	In Stock	Medium	N/A	
Final Fuel Filter Differential Pressure Switch (PSD-LF-1), Liquid Fuel System, Auxiliary Systems	In Stock	Medium	N/A	
Inlet Pressure Transducer, Gas Generator Enclosure with Septum Doors, Prime Mover Systems	In Stock	Medium	N/A	
Clutch Control Solenoid Valve (LO-6), Main Lube Oil System, Auxiliary Systems, SVL GT	In Stock	Medium	N/A	
Proximity Switch, Snow Door Assembly, Exhaust, Prime Mover Systems, HWD GT	In Stock	Low	N/A	
Vibration Pickup (181571), Power Turbine Model CT2, Prime Mover Systems	In Stock	Medium	N/A	
Liquid Fuel Burner - Complete (BDC.3026), Gas Generator, Prime Mover Systems	In Stock	Medium	N/A	
NC Solenoid Valve (SV-CA-2), Gas Generator Air Starter System, Auxiliary Systems	In Stock	High	N/A	
NO Solenoid Valve (SV-CA-1), Gas Generator Air Starter System, Auxiliary Systems	In Stock	High	N/A	
Pressure Switch, Main Lube Oil System, Auxiliary Systems	In Stock	High	N/A	
Pressure Switch, Liquid Fuel System, Auxiliary Systems, HWDGT	In Stock	Medium	N/A	
Pressure Switch, Gas Generator Lube Oil System, Auxiliary System, HWDGT	In Stock	Medium	N/A	
3-Way Thermostatic Valve (GL-2), MLO/Glycol Cooling System, Auxiliary Systems	In Stock	Low	N/A	
Alternator Bearing Drain Oil Thermocouple (TC-LO-3), Main Lube Oil System, Auxiliary Systems, HWD GT	In Stock	Low	N/A	
Oil Drain Alternator Bearing Thermocouple, Main Lube Oil System, Auxiliary Systems, SVL GT	In Stock	Low	N/A	
Oil Drain Clutch Bearing Thermocouple, Main Lube Oil System, Auxiliary Systems, SVL GT	In Stock	Low	N/A	
Oil Drain Thermocouple (TC-LO-2), Main Lube Oil System, Auxiliary Systems, HWD GT	In Stock	Low	N/A	
Oil Supply Thermocouple (TC-LO-1), Main Lube Oil System, Auxiliary Systems	In Stock	Low	N/A	



Critical Spares Status
 Hardwoods and Stephenville – Gas Turbines

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
Fuel Temperature Sensor (TS-LF-1), Liquid Fuel System, Auxiliary Systems	In Stock	Low	N/A	
Snow Door Pneumatic Cylinder	In Stock	Medium	N/A	



Critical Spares Status
Holyrood – Combustion Turbine

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
TURBINE EXHAUST TUNNEL - THERMAL DETECTOR, KIDDE-FENWAL:12-H27121-020-08	Provided Under Service Contract	Medium	N/A	
FIRE CONTROL PANEL TROUBLE ALARM TO DCS, DET-TRONICS:U9500A	Provided Under Service Contract	Low	N/A	
FIRE CONTROL PANEL DISCHARGE -ALARM TO DCS, NOTIFIER:AFP-300	Provided Under Service Contract	Low	N/A	
LP COMPRESSOR BLEED VALVE, 18", METSO AUTOMATION:815W 11 22HB XZC VA	In Stock	High	N/A	
HP COMPRESSOR BLEED VALVE, 14", FISHER:A31A-1031/33082 SR80	In Stock	High	N/A	
Module, ControlNet - Combination Generator Control Module with ControlNet communication	On Hand - Under Parts Management Agreement	High	N/A	
IFM, Analog, 16 channel - Fusible 16 Channel Analog IFM, 24V Blown Fuse Indicators, 5 Terminals per Input, Analog Interface Module	On Hand - Under Parts Management Agreement	Medium	N/A	
IFM, analog, 8 channel - Feed-Through 8 Channel Analog IFM, 3 Terminals per Input, Analog Interface Module	On Hand - Under Parts Management Agreement	Medium	N/A	
IFM, digital, 40 point - 40-Point Isolated Fusible Digital IFM, 5 x 20mm Fuse Clips, 24V AC/DC Blown Fuse Indicators, 4 Terminals per Input, Digital Interface Module	On Hand - Under Parts Management Agreement	Medium	N/A	
Module, relay expander - Relay Expander Module, 24V DC, 16 Relays with Fusing	On Hand - Under Parts Management Agreement	Medium	N/A	
10 Slot ControlLogix Chassis	On Hand - Under Parts Management Agreement	Medium	N/A	
4 Slot ControlLogix Chassis	On Hand - Under Parts Management Agreement	Medium	N/A	
ControlNet Interface Module (100 connections)	On Hand - Under Parts Management Agreement	Medium	N/A	
ControlNet Redundant Interface Module (100 connections)	On Hand - Under Parts Management Agreement	Medium	N/A	
ControlNet Redundant Bridge Module (40-48 connections)	On Hand - Under Parts Management Agreement	Medium	N/A	
EtherNet 10-100M Interface Module (supports 128 TCP/IP connections)	On Hand - Under Parts Management Agreement	Medium	N/A	
EtherNet 10-100M Interface Module (supports 64 TCP/IP connections)	On Hand - Under Parts Management Agreement	Medium	N/A	
10-30 VDC Isolated Input 16 Pts (36 Pin)	On Hand - Under Parts Management Agreement	Medium	N/A	
10-30 VDC Individually Isolated Input 16 Pts (36 Pin)	On Hand - Under Parts Management Agreement	Medium	N/A	
Analog Input - Current/Voltage 16 Pts (36 Pin)	On Hand - Under Parts Management Agreement	Medium	N/A	
Controller, ControlLogix 5570, 2MB	On Hand - Under Parts Management Agreement	High	N/A	
ControlLogix 5570 Controller with 2 MB Memory, USB Port, 4 Character Alpha/Numeric Display.	On Hand - Under Parts Management Agreement	High	N/A	
Controller, ControlLogix 5570, 4MB	On Hand - Under Parts Management Agreement	Medium	N/A	
ControlLogix 5570 Controller with 4 MB Memory, USB Port, 4 Character Alpha/Numeric Display.	On Hand - Under Parts Management Agreement	Medium	N/A	
10-31 VDC Output 32 Pts (36 Pin)	On Hand - Under Parts Management Agreement	Medium	N/A	
10-31 VDC Output 32 Pts (36 Pin)	On Hand - Under Parts Management Agreement	Medium	N/A	
Analog Output - Current/Voltage 8 Pts (20 Pin)	On Hand - Under Parts Management Agreement	Medium	N/A	
ControlLogix, 85-265 VAC Power Supply (10 Amp @ 5V)	On Hand - Under Parts Management Agreement	Medium	N/A	

Critical Spares Status
Holyrood – Combustion Turbine



Recommended Component	Stock	Risk Score	Expected Delivery	Comments
ControlLogix, 85-265 VAC Power Supply (13 Amp @ 5V)	On Hand - Under Parts Management Agreement	Medium	N/A	
Redundancy Module	On Hand - Under Parts Management Agreement	Medium	N/A	
ControlLogix Position and Time Services	On Hand - Under Parts Management Agreement	Medium	N/A	
Stratix 5700 Switch, Managed, 16 Fast Ethernet Copper Ports, 2 Fast Ethernet Combo Ports, 2 Fast Ethernet Fiber SFP Slots, Lite Software, DLR	On Hand - Under Parts Management Agreement	Low	N/A	
Networks and Communication Products, ControlNet Repeater Adapter Module	On Hand - Under Parts Management Agreement	Low	N/A	
Networks and Communication Products, Long-distance Fiber Ring Repeater Module	On Hand - Under Parts Management Agreement	Low	N/A	
Networks and Communication Products, Long-distance Fiber Ring Repeater Module	On Hand - Under Parts Management Agreement	Low	N/A	
Networks and Communication Products, Right-angle T-tap	On Hand - Under Parts Management Agreement	Low	N/A	
Networks and Communication Products, Right-angle Y-tap	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, ControlNet FLEX I/O Adapter Module	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Input Module, 24VDC, 16 Sink Inputs	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Input Module, 24VDC, 32 Sink Inputs	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Analog Input Modules, 8 Single-Ended Inputs	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Analog Input Modules, 8 Single-Ended Inputs	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Analog Input Module, 16 Bit, 4 Point Isolated	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Input Module, 2-Channel High Resolution Frequency	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Input Module, 8 Point RTD	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Input Module, Non-Isolated, Thermocouple / RTD / MV	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Input Module, Thermocouple, 8 Point	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Output Module, 24V DC, 16 Source Outputs	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Output Module, 24V DC, 32 Source (2 groups of 16.) Outputs, Protected	On Hand - Under Parts Management Agreement	Low	N/A	
1794 Flex, Flex Ex, Flex XT I/O System, Analog Output Module, 16 Bit, 4 Point Isolated	On Hand - Under Parts Management Agreement	Low	N/A	
PF750-24V I/O Module-2AI,2AO,6DI,2RO	On Hand - Under Parts Management Agreement	Low	N/A	
PowerFlex Architecture Class DeviceNet Communication Adapter	On Hand - Under Parts Management Agreement	Medium	N/A	
PowerFlex 753 AC Drive, with Embedded I/O, Air Cooled, AC Input with DC Terminals, Open Type, 14 Amps, 10HP ND, 7.5HP HD, 480 VAC, 3 PH, Frame 2, Filtered, CM Jumper Removed, DB Transistor, Blank (No	On Hand - Under Parts Management Agreement	Medium	N/A	



Critical Spares Status
Holyrood – Combustion Turbine

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
PowerFlex Architecture Class Remote Enhanced HIM, IP66 (NEMA 4X/12) Indoor Use Only. Includes 1202-C30 cable.	On Hand - Under Parts Management Agreement	Medium	N/A	
PanelView Plus Display Keypad/Touch, 15-inch TFT Display, Color, No Options	On Hand - Under Parts Management Agreement	Medium	N/A	
PanelView Plus Display Touch Screen, 12.1-inch TFT Display, None, High Bright	On Hand - Under Parts Management Agreement	Medium	N/A	
ControlNet Scheduled and Unscheduled Communication Module for Marine Certified PanelView Plus 700-1500 and PanelView Plus CE	On Hand - Under Parts Management Agreement	Low	N/A	
PanelView Plus 6 Logic Module, Windows CE 6.0, 80 MB Non Volatile storage for applications, DC Power Input, No Options	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 1.0-5.0A, NEMA 2	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 3-15A, NEMA 2	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 5-25A, NEMA 2	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 9-45A, NEMA 2	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 9-45A, NEMA 3	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 18-90A, NEMA 3	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 0.4-2.0A, NEMA 00	On Hand - Under Parts Management Agreement	Medium	N/A	
592 E3 and E3 Plus Solid-State Overload Relays, E3 Plus, 60-302A, NEMA 5	On Hand - Under Parts Management Agreement	Medium	N/A	
ProSoft Technology DNP 3.0 Ethernet Server Communication Module	On Hand - Under Parts Management Agreement	Low	N/A	
ProSoft Technology Modbus Master/Slave Enhanced Communication Module	On Hand - Under Parts Management Agreement	Low	N/A	
PURGE SOLENOID REPAIR KIT, SURESITE:3153515	In Stock	Low	N/A	
BARKSDALE HEATER CONTROL TEMPERATURE SWITCH, MODEL # T1X-S154-A, STAINLESS STEEL WAS MARKED AS IN STOCK IDE=0	In Stock	Low	N/A	
VALVE, SHUTDOWN PURGE	In Stock	Low	N/A	
1", Q50065-4 DXP-L21GNEB JBHC8327G041-125VDC	In Stock	High	N/A	
VALVE, CONTINUOUS PURGE	In Stock	High	N/A	
3", Q50600-4 DXP-L21GNEB EFHC8321G1	In Stock	Low	N/A	
FUSE, LOW VOLTAGE DC	In Stock	Low	N/A	
REPLACEMENT FUSE (LOW VOLTAGE DC PIM), BENTLY NEVADA: 1720045	In Stock	Medium	N/A	
MODULE, DC POWER SUPPLY	In Stock	Medium	N/A	
HIGH VOLTAGE DC POWER SUPPLY MODULE, BENTLY NEVADA:129486-01	In Stock	Medium	N/A	
MODULE, POWER SUPPLY	In Stock	Medium	N/A	
LOW VOLTAGE DC POWER SUPPLY MODULE, BENTLY NEVADA:133292-01	In Stock	Medium	N/A	
MODULE, POWER INPUT	In Stock	Medium	N/A	
LOW VOLTAGE DC POWER INPUT MODULE (PIM), BENTLY NEVADA:133300-01	In Stock	Medium	N/A	
MANUAL, POWER SUPPLY MODULE	In Stock	Medium	N/A	
POWER SUPPLY MODULE, MANUAL, BENTLY NEVADA:129767-01	In Stock	Low	N/A	
E-CELL 55A CURRENT TRANSDUCER, PHOENIX CONTACT:3062518	In Stock	Low	N/A	
E-CELL 32A CONTACTOR, GENERAL ELECTRIC:3060877	In Stock	Low	N/A	
PANEL HEATER 120V 60HZ 400W, PH40011	In Stock	Low	N/A	



Critical Spares Status
Holyrood – Combustion Turbine

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
SOLAR SPARK PLUG IGNITER, CENTAUR:903316C1	In Stock	Low	N/A	
SHAFT, FISHER	In Stock	Low	N/A	
SHAFT, FISHER:7000400800	In Stock	Low	N/A	
PUMP, CONVERTER CHARGING	In Stock	Low	N/A	
TORQUE CONVERTER CHARGING PUMP, KOENIG:X216228-J	In Stock	Low	N/A	
REPAIR KIT, SSS CLUTCH MINOR	In Stock	Medium	N/A	
KOENIG:5L17998MKNK	In Stock	Medium	N/A	
VALVE, CHECK 3"	In Stock	Medium	N/A	
3MB60-6047-WR	In Stock	Medium	N/A	
VALVE, SS POPPET CHECK	In Stock	Low	N/A	
SS POPPET CHECK VALVE, SWAGELOCK:SS-6C-1	In Stock	Low	N/A	
VALVE, FUEL CHECK	In Stock	High	N/A	
FUEL LINE CHECK VALVE, PARKER:10A-CB68L-10-PF-SS, VOGT:SW9871T,	In Stock	Low	N/A	
VALVE, CHECK	In Stock	Low	N/A	
CHECK VALVE, SUN HYDRAULICS:CXDA-XAN	In Stock	Low	N/A	
VALVE, SOLENOID	In Stock	Low	N/A	
SOLENOID VALVE, SUN HYDRAULICS:DIDA-MCN	In Stock	Low	N/A	
VALVE, FUEL BYPASS	In Stock	High	N/A	
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	High	N/A	
REPAIR KIT, BYPASS VALVE	In Stock	High	N/A	
REPAIR KIT FOR FUEL START-UP BYPASS VALVE, MANUFACTURER:FISHER, MODEL:Z, 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	High	N/A	
VALVE, PUMP DISCHARGE	In Stock	Low	N/A	
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:SS1, STEM:SS1, BODY:STL, SEAT:SS1	In Stock	Low	N/A	
VALVE, PRESSURE RELIEF	In Stock	Low	N/A	
HYDRAULIC FLUID PRESS RELIEF VALVE, REXROTH:R900341066	In Stock	Low	N/A	
PUMP DISCHARGE - PRESSURE RELIEF VALVE, REXROTH:R900420276	In Stock	Low	N/A	
VALVE MANIFOLD PRESSURE RELIEF VALVE, REXROTH:R900423723	In Stock	Low	N/A	
MAIN PUMP DISCHARGE - PRESSURE RELIEF VALVE, REXROTH:R900424147	In Stock	Low	N/A	
PRESSURE CONTROL VALVE, SUN HYDRAULICS:RDBA-LAN	In Stock	Low	N/A	
SOLENOID VALVE, TYCO:52-287-10-024	In Stock	Low	N/A	
AIR CONTROL SOLENOID VALVE, 24VDC MINI, INGERSOLL RAND 633658	In Stock	Low	N/A	
VALVE, STOP	In Stock	Low	N/A	
FISHER 3", 560iit-TH66 QS1600-4 DXP-L2IGNEB	In Stock	Low	N/A	
FILTER, WATER - CLARK RELIANCE Z500PW	In Stock	Medium	N/A	
INST AIR DREW POINT ANALYZER, MICHELL INSTRUMENTS:EA-XP-TX-EX1-C1-D1-E2-F1-G1-H1	In Stock	Low	N/A	
ACTUATOR, TYPE PNEUMATIC RACK & PINION, FLOWSERVE:20E395WZ24D	In Stock	Low	N/A	
ATOMIZING AIR RECEIVER INLET VALVE, WORCESTER:5166TT150	In Stock	Low	N/A	
MODEL AD-1 AUTOMATIC DRAIN VALVE, TYCO:52-793-2-004	In Stock	Low	N/A	
MODEL ASV-1 AUTOMATIC - SHUT-OFF VALVE, TYCO:92-343-1-021	In Stock	Low	N/A	
COMBUSTOR SHELL DISCHARGE - TEMPERATURE THERMOCOUPLE DUPLEX TYPE K	In Stock	Medium	N/A	
COOLING AIR FILTER BLEED DRAIN VALVE, 1", WORCHESTER:B4446 XG SW	In Stock	Low	N/A	
COIL, OVERSPEED TRIP	In Stock	High	N/A	
ELECTRONIC OVERSPEED TRIP, 9501W38	In Stock	High	N/A	
TORQUE CONVERTER MAGNETIC SPEED PICK-UP COIL, KOENIG:9501W14	In Stock	High	N/A	
1 SERIES NEEDLE VALVE, SWAGELOCK:B-1VM4-S4/SS-1VM4-S4	In Stock	Low	N/A	

Critical Spares Status
Holyrood – Combustion Turbine



Recommended Component	Stock	Risk Score	Expected Delivery	Comments
FEMALE NEEDLE VALVE, MCMMASTER CARR:4644K33, 3/8" NPT	In Stock	Low	N/A	
PARKER VALVE, MODEL# 6Z-PR4-BNT-SS	In Stock	Low	N/A	
GLOBE VALVE, STEEL, VOGT:5W9871T, LUBE OIL FILTER TOWER #1 VENT VALVE	In Stock	Low	N/A	
INDICTATOR, SIGHT	In Stock	Low	N/A	
1-1/2" JACOBY:100-S(NF)	In Stock	High	N/A	
PILOT VALVE ASSEMBLY, CLIPPARD FV-SP W/MPA-3P, CLIPPARD:1WT3732	In Stock	Low	N/A	
FLOAT, SURESITE:88111	In Stock	Low	N/A	
HYD FLUID SUPPLY FILTER SELECTION VALVE, PALL:1319232	In Stock	Low	N/A	
THROTTLE VALVE, NFBC-LGN	In Stock	Low	N/A	
GASKET, FILTER HOUSING	In Stock	Low	N/A	
GASKET, CLARK RELIANCE:A10137455, NFS# 10117455	In Stock	Low	N/A	
O-RING, BUNA	In Stock	Low	N/A	
HEAD TO BOWL O-RING BUNA, PALL:UK19672	In Stock	Low	N/A	
O-RING, FISHER	In Stock	Low	N/A	
O-RING, FISHER:T1205106562	In Stock	Low	N/A	
BUSHING ASSY, FISHER POT	In Stock	Low	N/A	
POT/BUSHING ASSEMBLY, FISHER:27B6208X012	In Stock	Low	N/A	
FILL KIT, SF6	In Stock	Low	N/A	
ABB BREAKER SF6 FILL KIT, (HECS 805), S/N 1HC211015861	In Stock	Medium	N/A	
BELT, ECODYNE:1320-BLT-S-EHX19-90	In Stock	Low	N/A	
COUPLING, PUMP/MOTOR	In Stock	Medium	N/A	
JOHN CRANE:A045-3578-1270, 1-1/2" - 2-3/8", ROUGH BORE	In Stock	Low	N/A	
PUMP, GEAR	In Stock	Medium	N/A	
DANFOSS:BERENDEN FLUID POWER SNP 2/11	In Stock	Low	N/A	
COUPLING, PUMP-MOTOR	In Stock	Low	N/A	
COUPLING, REXNORD-OMEGA: REX ELASTOMER-ES-4 (STANDARD ORANGE), PUMP-MOTOR	In Stock	Low	N/A	
COUPLING, PUMP-MOTOR	In Stock	Low	N/A	
COUPLING, REXNORD-OMEGA: ELASTOMER-ES-5 (STANDARD ORANGE) PUMP-MOTOR	In Stock	Medium	N/A	
REPAIR KIT, INJ. PUMP	In Stock	Medium	N/A	
CHEMICAL INJECTION PUMP REPAIR KIT, GRAINGER:K4PTC1	In Stock	Medium	N/A	
FILTER, FUEL CAT 1R0749	In Stock	Medium	N/A	
FOR USE ON STAGE I AND II, EMERGENCY DIESEL MANUAL PRIMING PUMPS, CATERPILLAR #IR-0749	In Stock	Low	N/A	
ELEMENT 0180MA0003BN (3µm), P/N 2059438, SPIN ON ELEMENT, MANUFACTURER:HYDAC	In Stock	High	N/A	
FILTER, LIQUID FUEL	In Stock	Low	N/A	
CLARK RELIANCE 2200A3	In Stock	Low	N/A	
FILTER, AIR (ELEMENT)	In Stock	Low	N/A	
INGERSOLL RAND 32012957	In Stock	Low	N/A	
ELEMENT, PRE-FILTER	In Stock	Medium	N/A	
PRE-FILTER ELEMENT 105 SCFM, INGERSOLL RAND 85565679	In Stock	Medium	N/A	
FILTER, AIR	In Stock	Medium	N/A	
GEN AIR FILTERS, COMPACT FILTER G4/F7 287 X 292 X 300, SIEMENS	In Stock	Medium	N/A	
FILTER, AIR	In Stock	High	N/A	
GEN AIR FILTERS, COMPACT FILTER, G4/F7 592 X 292 X 300, SIEMENS	In Stock	High	N/A	
FILTER KIT, FUEL	In Stock	Low	N/A	
LOW PRESSURE FUEL FILTER REPLACEMENT KIT, CENTAUR:912555C3	In Stock	Low	N/A	
KIT, OIL FILTER & O-RING	In Stock	Low	N/A	
LUBE OIL FILTER & O-RING KIT, CENTAUR:9161283C1	In Stock	Low	N/A	
FILTER, FUEL BOOST KIT - LOW PRESSURE, 912343C1	In Stock	Medium	N/A	
FILTER, IGV ACTUATOR - MOOG:864567-1V	In Stock	Medium	N/A	

Critical Spares Status
Holyrood – Combustion Turbine



Recommended Component	Stock	Risk Score	Expected Delivery	Comments
FILTER, TMP-95 FINAL	In Stock	Medium	N/A	
PNEUMAFIL:55253881, 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	Medium	N/A	
PRE-FILTER, Z-100	In Stock	Medium	N/A	
PNEUMAFIL:552709C1, PRE-FILTER PANEL, 24"X24"X4"73 (FT2) SYNTHETIC MEDIA, PLASTIC FRAME FOR HIGHER PERFORMANCE AND LOWER PRESSURE DROP	In Stock	Medium	N/A	
PRE-FILTER, PARKER AIR DRYER	In Stock	Low	N/A	
PARKER AIR DRYER PRE-FILTER, PARKER FILTER CARTRIDGE# 6C10-050	In Stock	Low	N/A	
AFTER-FILTER, AIR DRYER	In Stock	Low	N/A	
AIR DRYER AFTER FILTER, PN 25-178-50C, PARKER FILTER CARTRIDGE # 10C10-050	In Stock	Low	N/A	
FILTER, PRESSURE	In Stock	Medium	N/A	
PALL: ELEMENT HC9600FCP4H	In Stock	Medium	N/A	
ELEMENT, POST FILTER	In Stock	Medium	N/A	
POST FILTER ELEMENT 105 SCFM, INGERSOLL RAND 85565661	In Stock	Medium	N/A	
TRANSMITTER, PRESSURE	In Stock	Medium	N/A	
ROSEMOUNT:3051S2TG3A2A11A1AM5Q4	In Stock	Medium	N/A	
FILTER, LUBE OIL	In Stock	High	N/A	
LUBE OIL FILTER, CLARKE RELIANCE:A2200A4, NFS:2200A4	In Stock	Medium	N/A	
SOFT PARTS KIT, CLARKE RELIANCE:A10400107, NFS:10400107	In Stock	Medium	N/A	
FILTER AUTOMATIC FLOW CONTROL, 4"FNPT, MODEL-ST-400-25, 240GPM, PENTAIR:LWT 3949	In Stock	Medium	N/A	
FILTER AUTOMATIC BACKWASH FLOW CONTROL, 4" FNPT, MODEL-ST-400-25, 245GPM, MODULAR PIPING SUPPLY INC: LWT5430	In Stock	Medium	N/A	
CARTRIDGE, DESICCANT	In Stock	Low	N/A	
PNEUMATIC PRODUCTS:3153517	In Stock	Low	N/A	
FILTER, OIL 275-2604	In Stock	Low	N/A	
OIL FILTER, CAT:275-2604	In Stock	Low	N/A	
FILTER, AIR 4P07105	In Stock	Low	N/A	
AIR FILTER, CAT: 4P0710	In Stock	Low	N/A	
PRE-FILTER, AIR COOLING	In Stock	Low	N/A	
PRE-FILTER, AIR COOLING	In Stock	Low	N/A	
METER, FLOW	In Stock	Medium	N/A	
ROSEMOUNT:3051SFC1CS030N065-T33EA1A5Q4E6M5	In Stock	Medium	N/A	
LIQUID FUEL TEMPERATURE TRANSMITTER, ROSEMOUNT 644HAK6M5Q416	In Stock	Medium	N/A	
PUMP SUPPLY PRESSURE SWITCH, CCS 646GZEM1	In Stock	Medium	N/A	
PUMP DISCHARGE PRESSURE TRANSMITTER, ROSEMOUNT 3051CG5A22A1A5S84C6M5Q4	In Stock	Medium	N/A	
PNEUMATICALLY ACTUATED THROTTLE VALVE, FISHER ET-677-DVC-6200	In Stock	Medium	N/A	
PUMP DISCHARGE PRESSURE SWITCH, CCS 646GZEM5	In Stock	Medium	N/A	
METER, FLOW	In Stock	Medium	N/A	
ROSEMOUNT:3051SFC1CS030NX133DA1A5DQ4E6M5	In Stock	Medium	N/A	
CONTROLLER, STEP LIFO	In Stock	Low	N/A	
8 STAGES, SCL4000-8	In Stock	Low	N/A	
LIMIT CONTROLLER (0-2502-F), SA100LKA3-MN-4"NN-D1/Y	In Stock	Low	N/A	
STEP CONTROLLER LIFO (4 STAGES), SCL4000-4	In Stock	Low	N/A	
INSTRUMENT AIR DRYER DIFFERENTIAL PRESSURE, DIFFERENTIAL PRESSURE TRANSMITTER,	In Stock	Low	N/A	
ROSEMOUNT:3051S2CD3A2A11A1AL1L2L4M5Q4	In Stock	Low	N/A	
DIFFERENTIAL PRESSURE SWITCH,JOHNSON CONTROLS:JCI P 233 A-10-AAC	In Stock	Low	N/A	
FUEL OIL INLINE HEATER SUPPLY FLOW SWITCH, MAGNETROL TD2-7D01-0G0 C/W TEA-A110-004, THERMAL DISPERSION FLOW SWITCH	In Stock	Low	N/A	
FUEL UNLOADING PUMPS OUTLET PRESSURE/GAUGE PRESSURE TRANSMITTER, ROSEMOUNT:3051S2TG3A2E11A1A84K6M5Q4	In Stock	Low	N/A	

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FUEL OIL TANK 1 LEVEL RADAR LEVEL TRANSMITTER, ROSEMOUNT:5402AH1E64SPVDAM1C153	In Stock	Medium	N/A	
FUEL OIL TANK HIGH LEVEL SWITCH, ULTRASONIC GAP LEVEL SWITCH, MAGNETROL:961-2DA0-030 C/W 9A1-A43A-018	In Stock	Medium	N/A	
FUEL OIL INLINE HEATER DISCHARGE TEMPERATURE TRANSMITTER, ROSEMOUNT:644HAK6J6M4	In Stock	Medium	N/A	
FUEL OIL INLINE HEATER DISCHARGE TEMPERATURE RTD, ROSEMOUNT:68 SERIES/0068D21C30A020T26	In Stock	Medium	N/A	
FUEL OIL DAY TANK LEVEL RADAR LEVEL TRANSMITTER, ROSEMOUNT:5402AH1E64PNACAM1C1	In Stock	Medium	N/A	
FUEL OIL TANK HIGH LEVEL SWITCH, DISPLACER LEVEL SWITCH, MAGNETROL MODEL # A15-1E2B-HM3, SERIAL # 744243-01-001	In Stock	Medium	N/A	
SWITCH ASSEMBLY, LIMIT	In Stock	Low	N/A	
MICROSWITCH # LSA2B	In Stock	Medium	N/A	
CABLE SOLAR, IGNITER	In Stock	Medium	N/A	
PICKUP, MAGNETIC	In Stock	Medium	N/A	
CENTAUR-P/N 190430-1	In Stock	Medium	N/A	
CENTAUR OVERSPEED	In Stock	Medium	N/A	
CENTAUR KIT P/N1071653-2600	In Stock	Medium	N/A	
INLET GUIDE VANE POSITION TRANSMITTER, FISHER:4200 SERIES (4200)	In Stock	Medium	N/A	
RAC FILTER DRAIN SOLENOID VALVE, PARKER:H2223N	In Stock	Low	N/A	
LUBE OIL FILTER DELTA HIGH PRESS SWITCH, MIDWEST:120-AA-09-0-CZ	In Stock	Medium	N/A	
LUBE OIL COOLER OUTLET TEMP GAUGE, ASHCROFT:600B-01-CEX5G	In Stock	Low	N/A	
BEARING LUBE OIL HEADER PRESS#1 LOW, PRESSURE SWITCH, UNITED ELECTRIC CONTROLS:J402-146-1521	In Stock	Medium	N/A	
BEARING LUBE OIL PRESSURE CONTROL VALVE, FISHER:ED-655	In Stock	Medium	N/A	
EMERGENCY LUBE OIL PUMP DISCHARGE - PRESSURE SWITCH, UNITED ELECTRIC CONTROLS - J400-146-1521	In Stock	Medium	N/A	
LUBE OIL RESERVOIR VACUUM - PRESSURE INDICATOR, ASHCROFT:45-118775S-04B	In Stock	Low	N/A	
LUBE OIL RESERVOIR TEMPERATURE SWITCH, HONEYWELL:T775A2009	In Stock	Low	N/A	
MAIN LUBE OIL PUMP #1 - DISCHARGE PRESSURE SWITCH, UNITED ELECTRIC CONTROLS:J402-164-1521	In Stock	Medium	N/A	
OVERSPEED TRIP SENSOR #1, ELECTRO CORP:3090A35	In Stock	High	N/A	
INLET AIR MANIFOLD PRESSURE SWITCH, PNEUMAFIL:552033-B1	In Stock	Low	N/A	
DIFFERENTIAL PRESSURE SWITCH, UNITED ELECTRIC CONTROLS:J400K-455-1520	In Stock	Medium	N/A	
INTAKE AIR STATIC FILTER DIFFERENTIAL- PRESSURE SWITCH, SOR:107AL-K12-PL-F1A	In Stock	Low	N/A	
INLET SCROLL TEMPERATURE TRANSMITTER #1, YOKAGAWA:YTA320-EA2NN/FU1/DZ/Z	In Stock	Low	N/A	
RTD, #1 PRIMARY SIGNAL	In Stock	Low	N/A	
INLET SCROLL RTD #1 PRIMARY SIGNAL, ROSEMOUNT:0078-N-25-N-00-A-060-T26-XA	In Stock	Low	N/A	
INSTRUMENT AIR SYSTEM PRESSURE SWITCH, UNITED ELECTRIC CONTROLS: H122-184, MFG PN 0409-007	In Stock	Low	N/A	
INSTR-AIR COMPRESSOR RECEIVER - LOW PRESSURE ALARM SWITCH, UNITED ELECTRIC CONTROLS: H122-274	In Stock	Low	N/A	
INST AIR SYSTEM ISOLATION SOLENOID VALVE, ASCO:HCL83166G66MB	In Stock	Low	N/A	
INSTR-AIR COMPRESSOR START STOP, PRESSURE SWITCH, HUBBELL INDUSTRIAL CONTROL: 69HA109779U	In Stock	Low	N/A	
INSTRUMENT AIR COMPRESSOR LOW - OIL LEVEL INDICATOR, INGERSOLL RAND:22102388	In Stock	Low	N/A	
GENERATOR MAIN JACKING OIL PUMP - PRESSURE SWITCH, BARKSDALE:81T-H04	In Stock	High	N/A	
GENERATOR TURBINE END BEARING - JACKING OIL FLOW SWITCH, MEISTER:DKM/A-1/10	In Stock	High	N/A	
HYD FLUID AIR BLEED VALVE, HYDAC:AEV6/5 00230023	In Stock	Low	N/A	
HYD FLUID PUMP #1 DISCHARGE - PRESSURE SWITCH, REXROTH:HED 3 OAEX/63/12	In Stock	Low	N/A	
HYD FLUID RESERVOIR - LEVEL TRANSMITTER, GEMS:XT-800	In Stock	Low	N/A	
HYD FLUID RESERVOIR LEVEL INDICATOR, REXROTH:CS3615-244910	In Stock	Low	N/A	
HYD FLUID HEADER SUPPLY - PRESSURE TRANSMITTER, ROSEMOUNT: 3051TG4A2A21AM5Q4	In Stock	Low	N/A	
HYD FLUID COOLER FAN MOTOR - TEMPERATURE SWITCH (OFF), UNITED ELECTRIC CONTROLS: C402-120-1070-M202 135/120F	In Stock	Low	N/A	
HYD FLUID COOLER FAN MOTOR - TEMPERATURE SWITCH (ON), UNITED ELECTRIC CONTROLS: C402-120-1070-M202 135/120F	In Stock	Low	N/A	
HYD FLUID RESERVOIR HEATER - TEMPERATURE SWITCH, UNITED ELECTRIC CONTROLS: C402-120-1070-M202 73/86F	In Stock	Low	N/A	
HYD FLUID SUPPLY FILTER - DIFFERENTIAL PRESSURE SWITCH, PALL:RC0113CZ097H	In Stock	Low	N/A	

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HYD FLUID RESERVOIR THERMOCOUPLE, OMEGA:NB1-CASS-14U-12" DUAL	In Stock	Low	N/A	
CHLORINE INJECTION FLOW SWITCH, DWYER INSTRUMENTS:FS2	In Stock	Low	N/A	
DOUBLE ACTING PNEUMATIC ACTUATOR, KEYSTONE MORIN, TYCO:MRP 004	In Stock	Low	N/A	
0-500 PRESSURE TRANSMITTER - RO SKID, AUTOMATION DIRECT: PTD25-20-0500H	In Stock	Medium	N/A	
PRESSURE TRANSMITTER, AUTOMATION DIRECT: PTD25-20-0100H, 0-100 PSI - VARIOUS SKIDS	In Stock	Medium	N/A	
ANALOG INPUT CARD FOR PLC, VARIOUS SKIDS, AUTOMATION DIRECT:FO-04AS1	In Stock	Medium	N/A	
VALVE, BALL				
1.5" STAINLESS STEEL, MCMASTER CARR: 45995K84	In Stock	Low	N/A	
PRESSURE SWITCH, BARKSDALE:X1T-4100-25	In Stock	Medium	N/A	
PRESSURE SWITCH, DRUCKSCHALTER: D1 TM80 SS	In Stock	Medium	N/A	
LEVEL SWITCH MODULES, SURESITE: 87480	In Stock	Medium	N/A	
ELECTRICAL PACKAGE LOUVER ACTUATOR, ML4115B1008	In Stock	Low	N/A	
MECHANICAL PACKAGE - VENTILATION THERMOSTAT, T631C1012	In Stock	Low	N/A	
E-CELL STACK FITTINGS KIT, GENERAL ELECTRIC:3019638	In Stock	Low	N/A	
SINGLE POLE RELAYS - VARIOUS SKIDS, AUTOMATION DIRECT:781-1C-120A	In Stock	Low	N/A	
IGV ACT HYD FLUID FILTER- DIFF PRESS HIGH SWITCH, MOOG:G4444-2	In Stock	Medium	N/A	
MULTIFUNCTION MONITOR - ORP OR CONDUCTIVITY, RYAN HERCO:5924-562	In Stock	Low	N/A	
24VDC POWER SUPPLY, AUTOMATION DIRECT:PSB24-060D	In Stock	Low	N/A	
ORP SENSOR, RYAN HERCO:5909-751, RAW WATER PUMP - VARIOUS SKIDS	In Stock	Medium	N/A	
CONDUCTIVITY SENSOR - RO, RYAN HERCO:5926-200	In Stock	Medium	N/A	
MANIFOLD, PRESSURE TRANSMITTER				
ROSEMOUNT 0305RC22B11	In Stock	Low	N/A	
ATOMIZING AIR HEADER PRESSURE GAUGE, PRESSURE TRANSMITTER, ROSEMOUNT:3051S2TG3A2A11A1AM5Q4	In Stock	Low	N/A	
BLUE MOISTURE INDICATOR, INGERSOLL RAND 705001-SP	In Stock	Low	N/A	
THERMOMETER, RESISTANCE				
SIEMENS:WQ.0233 2XPT100, INSTALLATION LENGTH 250MM, HAN 8D	In Stock	Low	N/A	
THERMOCOUPLE, SHELL				
SIEMENS:MQ.0206-PVDF8 3XTC(K), INSTALLATION LENGTH 375MM, HAN 8D	In Stock	High	N/A	
FUEL OIL UNLOADING FLOW LIQUID TURBINE FLOWMETER, HOFFER FLOW CONTROLS: HO SERIES/6X6-75-1250-CB-1M/XE2-F1CS-EXP	In Stock	Medium	N/A	
HYDRAULIC FLUID PUMP #1 - DISCHARGE PRESSURE INDICATOR, REXROTH:2-1/2(1500PUA31-10A-4 JIC	In Stock	Low	N/A	
HYDRAULIC FLUID CONDITIONING LOOP- FILTER DIFFERENTIAL PRESSURE SWITCH, PALL:RC0113CZ090H	In Stock	Low	N/A	
RAW WATER FLOW MAGNETIC FLOWMETER, ROSEMOUNT:8705TSA060C1W0N0G1	In Stock	Low	N/A	
RAW WATER STORAGE TANK LEVEL RADAR - LEVEL TRANSMITTER, ROSEMOUNT:5402AH1E64SPVCAM1C1S3	In Stock	Low	N/A	
RAW WATER PUMP 1 & 2, DISCHARGE GAUGE, PRESSURE TRANSMITTER, ROSEMOUNT: 3051S2TG2A2A11A1AB4M5Q4	In Stock	Low	N/A	
REGULATOR, SIGNAL PRESSURE				
STAGE 2 TEMPERATURE CONTROL VALVE - AIR SIGNAL PRESSURE REGULATOR, FISHER:67CF-1663-38656	In Stock	Low	N/A	
LP COMPRESSOR BLEED VALVE SOLENOID, ASCO:JKC8316G034V	In Stock	Medium	N/A	
COMPRESSOR BLADE PATH THERMOCOUPLE, DUPLEX TYPE K	In Stock	High	N/A	
STARTING PACKAGE TORQUE CONVERTER PRESSURE GAUGE, KOENIG:BAC-160-25	In Stock	Low	N/A	
CAPSULE GAUGE 0-6" W.C., PNEUMAFIL:51646-B1	In Stock	Low	N/A	
INTAKE AIR STATIC FILTER - DIFFERENTIAL PRESSURE INDICATOR, DWYER INSTRUMENTS:4006	In Stock	Low	N/A	
INTAKE AIR STATIC PRE-FILTER - DIFFERENTIAL				
PRESSURE INDICATOR, DWYER INSTRUMENTS:4002	In Stock	Low	N/A	
CAPSULE GAUGE 0-2" W.C., PNEUMAFIL:51646-B6	In Stock	Low	N/A	
PRESSURE TRANSMITTER 0-300 PSI 4-20MA, ROSEMOUNT:3051TA3A2B21AE5	In Stock	Medium	N/A	
PRESSURE REGULATOR - AIR SUPPLY FROM INST AIR COMPRESSOR, FISHER:FS64-29	In Stock	Medium	N/A	
INSTR. AIR COMPRESSOR PRESSURE GAUGE, AIR CENTERS OF FLORIDA:5ZP76	In Stock	Medium	N/A	
PRESSURE GAUGE - FOR INSTR AIR COMPRESSOR, ASHCROFT:45-13772204b, RANGE:0-200 PSI	In Stock	Low	N/A	
PRESSURE REGULATING GAUGE - AIR SUPPLY FROM INSTR AIR COMPRESSOR, FAIRCHILD:4066AT	In Stock	Low	N/A	



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PRESSURE GAUGE 0-160PSI, LIQUID FILLED BACK MOUNT, STAINLESS STEEL, AUTOMATION DIRECT:G25-SL160-4LB	In Stock	Low	N/A	
PRESSURE GAUGE 0-100PSI, LIQUID FILLED LOWER MOUNTED, STAINLESS STEEL, AUTOMATION DIRECT:G25-SD100-4LS	In Stock	Low	N/A	
PRESSURE GAUGE 0-100PSI, LIQUID FILLED BACK MOUNTED, STAINLESS STEEL, AUTOMATION DIRECT:G25-SD100-4CS	In Stock	Low	N/A	
PRESSURE GAUGE 0-500PSI, LIQUID FILLED BACK MOUNTED, STAINLESS STEEL, DWYER INSTRUMENTS:SGY-D11142N-GF	In Stock	Low	N/A	
PRESSURE GAUGE 0-500 PSI, LIQUID FILLED LOWER MOUNTED, STAINLESS STEEL, DWYER INSTRUMENTS:SGY-D11122N-GF	In Stock	Low	N/A	
TRANSMITTER, DEW POINT -100F	In Stock	Medium	N/A	
-40F AND -100F, INGERSOLL RAND P/N 23182603	In Stock	Low	N/A	
TRUCK UNLOADING GROUND VERIFICATION MONITOR, 8030-120 GROUND VERIFICATION MONITOR, CIVACON	In Stock	Low	N/A	
MOTOR, FLAP ACTUATOR	In Stock	Low	N/A	
JOHNSON CONTROLS, JCI M9132-GGA-1	In Stock	Low	N/A	
BRUSH, CARBON MOTOR	In Stock	Medium	N/A	
1 SET = 2 PIECES, ABB: GPFX052143P0098	In Stock	Medium	N/A	
GENERATOR JACKING OIL - SOLENOID VALVE, SUN HYDRAULICS:DIDA-MCN	In Stock	Medium	N/A	
MOTOR, 10 HP DC TURNING GEAR	In Stock	High	N/A	
KOENIG: DG6711A	In Stock	High	N/A	
MOTOR, BALDOR	In Stock	Medium	N/A	
BALDOR:VEM3770T NEMA	In Stock	Low	N/A	
TURNING GEAR MOTOR BRUSH SET, 419904-51AC	In Stock	Low	N/A	
COUPLING, PUMP/MOTOR	In Stock	Low	N/A	
SIZE 1040T20, FLEXIBLE GRID TYPE, VERTICAL ORIENTATION, MANUFACTURER:FALK	In Stock	Low	N/A	
RELAY, DPDT 120VAC	In Stock	Medium	N/A	
RCP8002.120AC	In Stock	Medium	N/A	
RELAY, TPDT 120VAC	In Stock	Medium	N/A	
RCP1103.120AC	In Stock	Low	N/A	
CUT-OUT, AUTO	In Stock	Low	N/A	
AUTO CUT-OUT, CHROMOLOX:168-053169-1 05	In Stock	Low	N/A	
FUSE, AGC 1A 250V	In Stock	Low	N/A	
AGC 1	In Stock	Low	N/A	
FUSE, AGC 3A 250V	In Stock	Low	N/A	
FUSE, POWER CLASS J 45A	In Stock	Low	N/A	
A4J45	In Stock	Low	N/A	
FUSE, PRIMARY 20A	In Stock	Low	N/A	
ATQR20	In Stock	Low	N/A	
FUSE, SECONDARY 8A	In Stock	Low	N/A	
ATQR8	In Stock	Low	N/A	
CONTACTOR, 50A 120VAC	In Stock	Low	N/A	
42CF35AF	In Stock	Low	N/A	
FUSE, PANEL HEATER 4.5A	In Stock	Low	N/A	
PANEL HEATER FUSE 4.5A, ATQR4.5	In Stock	Low	N/A	
FUSE, AC 25A	In Stock	Low	N/A	
ATQR25	In Stock	Low	N/A	
FUSE, SIEMENS PG	In Stock	Low	N/A	
SIEMENS PG 840C208F01	In Stock	Low	N/A	
FUSE, 15 0A	In Stock	Low	N/A	
BUSSMAN:LP-CC-15.0	In Stock	Low	N/A	
FUSE, 5.0A	In Stock	Low	N/A	
BUSSMAN:LP-CC-5.0	In Stock	Low	N/A	
FUSE, 1.0A	In Stock	Low	N/A	
BUSSMAN:LP-CC-1	In Stock	Low	N/A	

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FUSE, 2.0A 300 VDC	In Stock	Low	N/A	
BUSSMAN:LP-CC-2	In Stock	Low	N/A	
FUSE, 3.0A	In Stock	Low	N/A	
BUSSMAN:LP-CC-3.0	In Stock	Low	N/A	
FUSE, 12A	In Stock	Low	N/A	
FUSE 12A, SIEMENS:S00232012	In Stock	Low	N/A	
FUSE, 2AMP	In Stock	Low	N/A	
FUSE 2 AMP, GMC-2-A, BUSSMAN:GMC-2-A	In Stock	Low	N/A	
FUSE, 3AMP GMC-R	In Stock	Low	N/A	
FUSE 3AMP, BUSSMAN:GMC-3-R	In Stock	Low	N/A	
FUSE, 3A E-CELL	In Stock	Low	N/A	
E-CELL FUSE 3A, BUSSMAN:3060756	In Stock	Low	N/A	
FUSE, 25A E-CELL	In Stock	Low	N/A	
E-CELL FUSE 25A, BUSSMAN:1154697	In Stock	Low	N/A	
FUSE, 2A E-CELL	In Stock	Low	N/A	
E-CELL FUSE 2A, BUSSMAN:3060755	In Stock	Low	N/A	
FUSE, 6A GMC-6A	In Stock	Low	N/A	
GAMP, GMC-6A, BUSSMAN:1WT7345	In Stock	Low	N/A	
FUSE, 1.25A GMC-1.25A	In Stock	Low	N/A	
FUSE 1.25 AMP, GMC-1.25-A, BUSSMAN:1WT9119	In Stock	Low	N/A	
FUSE, 8A E-CELL	In Stock	Low	N/A	
E-CELL FUSE 8A, MERSEN ELECTRIC POWER:3060752	In Stock	Low	N/A	
REPLACEMENT FUSE FOR AC PIMS, BENTLY NEVADA:1720025	In Stock	Low	N/A	
CONTACT BLK 1NC, SIEMENS:52BAK	In Stock	Low	N/A	
PILOT LIGHT ASSEMBLY AMBER 120VAC, A13200-05	In Stock	Low	N/A	
MODULE, TMR I/O	In Stock	High	N/A	
I/O MODULE WITH INTERNAL BARRIERS - (INTERNAL TERMINATIONS)(4 X PROX/ACCEL)	In Stock	High	N/A	
MODULE, TMR I/O	In Stock	High	N/A	
PROX/SEISMIC TMR I/O WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:126632-01	In Stock	High	N/A	
MODULE, PROX/VELOM I/O	In Stock	High	N/A	
PROX/VELOM I/O MODULE WITH INTERNAL TERMINATIONS, BENTLY NEVADA:140471-01	In Stock	High	N/A	
MODULE, PROX/VELOM I/O	In Stock	High	N/A	
PROX/VELOM I/O MODULE WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:140482-01	In Stock	High	N/A	
MODULE, SHAFT ABSOLUTE	In Stock	High	N/A	
SHAFT ABSOLUTE I/O MODULE WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:138708-01	In Stock	High	N/A	
PROX/SEISMIC I/O MODULE WITH EXTERNAL TERMINATIONS, BENTLY NEVADA:128240-01	In Stock	High	N/A	
I/O MODULE WITH INTERNAL BARRIERS - (INTERNAL TERMINATIONS) (4 X VELOMITER), BENTLY NEVADA:135489-03	In Stock	High	N/A	
SHAFT ABSOLUTE I/O MODULE WITH - EXTERNAL TERMINATIONS, BENTLY NEVADA:138700-01	In Stock	High	N/A	
PROX/SEISMIC I/O MODULE WITH INTERNAL TERMINATIONS, BENTLY NEVADA:128229-01	In Stock	High	N/A	
I/O MODULE WITH INTERNAL BARRIERS - (INTERNAL TERMINATIONS), (2 X PROX/ACCEL + 2 X VELOMITER), BENTLY NEVADA:135489-02	In Stock	High	N/A	
DISCRETE INTERNAL BARRIERS I/O MODULE WITH INTERNAL TERMINATIONS, BENTLY NEVADA:136703-01	In Stock	High	N/A	
3500/42M PROXIMITOR/SEISMIC MONITOR, BENTLY NEVADA:140734-02	In Stock	High	N/A	
DISCRETE I/O MODULE WITH - EXTERNAL TERMINATIONS, BENTLY NEVADA:133434-01	In Stock	High	N/A	
3500 BUFFERED SIGNAL OUTPUT MODULE, BENTLY NEVADA:147364-01	In Stock	High	N/A	
DISCRETE I/O MODULE WITH - INTERNAL TERMINATIONS, BENTLY NEVADA:133422-01	In Stock	High	N/A	
115VAC PILOT LAMP - VARIOUS SKIDS, RADWELL INTERNATIONAL:D5N130	In Stock	Low	N/A	
3500/50 MODULE, BENTLY NEVADA:133388-02	In Stock	High	N/A	
WEATHER STATION DRY BULB TEMP A, VAISALA: HMT3301A08101CGAB200B01CABAA1	In Stock	Low	N/A	

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R-DIODE SIEMENS PG:840C411F04	In Stock	Medium	N/A	
F-DIODE SIEMENS PG:840C411F03	In Stock	Medium	N/A	
CAPACITOR ASSEMBLY,RC SIEMENS PG:153C684	In Stock	Medium	N/A	
DESICCANT, 4-8 GRADE D INGERSOLL RAND 50# BAG	In Stock	Low	N/A	
ELECTRICAL PACKAGE THERMAL DETECTOR, KIDDE-FENWAL:27121-160	In Stock	Low	N/A	
MECHANICAL PACKAGE THERMAL DETECTOR, KIDDE-FENWAL:27121-225	In Stock	Low	N/A	
SMOKE DETECTOR, NOTIFIER:FSI-851	In Stock	Low	N/A	
TURBINE ENCLOSURE THERMAL DETECTOR, KIDDE-FENWAL:27121-325	In Stock	Medium	N/A	
E-CELL SOLENOID VALVE, EMERSON:3022390	In Stock	Low	N/A	
STAGE #3 DISC CAVITY TEMPERATURE - CONTROL VALVE, 3", FISHER:441-1032425AS	In Stock	High	N/A	
LO BEARING PRESSURE REGULATING VALVE, FISHER:44 ACTUATOR 4 BODY 655ED	In Stock	Medium	N/A	
INLET SHUTTLE VALVE, SURESITE:4010031	In Stock	Low	N/A	
TRANSMITTER, GROUND FAULT SIEMENS PG:153C691G02	In Stock	Medium	N/A	
BEARING LUBE OIL SUPPLY TEMPERATURE - THERMOCOUPLE, PYCO:02-3174 W/16-0049 (TYPE K)	In Stock	Medium	N/A	
TURBINE GENERATOR SPEED PICK UP, BRAUN:ASS08T165C0.5	In Stock	High	N/A	
GENERATOR MAIN JACKING OIL PUMP - PRESSURE SWITCH, BARKSDALE:B1T-H32	In Stock	Medium	N/A	
HYD FLUID CONDITIONING LOOP - PRESSURE INDICATOR, 2-1/2", REXROTH:/400PUA31-10A-4 JIC	In Stock	Low	N/A	
HYD FLUID RESERVOIR LOW LEVEL SWITCH, REXROTH:500PUA31-05 2 SW	In Stock	Low	N/A	
SPEED CONTROL, BRONZE, NUMATICS A1MIN, EMERSON:LWT21254	In Stock	Low	N/A	
ORP PREAMPLIFIER, RYAN HERCO:5905-273	In Stock	Medium	N/A	
THERMOCOUPLE,DISC CAVITY LPG INDUSTRIES INC. P/N: 2335C32-001 (THERMOCOUPLE ONLY)	In Stock	Medium	N/A	
THERMOCOUPLE,DISC CAVITY DISC CAVITY THERMOCOUPLE LPG INDUSTRIES INC. P/N: 2335C32-004 (THERMOCOUPLE ONLY)	In Stock	Medium	N/A	
THERMOCOUPLE,DISC CAVITY DISC CAVITY THERMOCOUPLE LPG INDUSTRIES INC. P/N: 2335C32-003 (THERMOCOUPLE ONLY)	In Stock	Medium	N/A	
TWO LAYER CONTACT BRUSH, SIEMENS:EMT 513-005, 20X8X32 EG5U/AG20	In Stock	Medium	N/A	
POLISHING LOOP PRESSURE RELIEF VALVE, REXROTH:RR00347261	In Stock	Low	N/A	
HP BLEED VALVE OPEN LIMIT SWITCH, WESTLOCK:2007XBY/4SPDT	In Stock	Medium	N/A	
LP BLEED VALVE OPEN LIMIT SWITCH, WESTLOCK:2007XBY/6SPDT	In Stock	Medium	N/A	
TORQUE CONVERTER SPEED PICK UP, ELECTRO CORP:725833	In Stock	Medium	N/A	
SWITCH, STAGER 48-03 STAGER (110V) SERIES 48-03 - W/HOMING SWITCH, OSMONICS: 48-03	In Stock	Low	N/A	
VALVE, ACTUATOR ACTUATOR, VALWORX:561055A, ELECT FOR RO INLET VALVE & RINSE VALVE -RO SKID	In Stock	Low	N/A	
SENSOR, VIBRATION GENERATOR TURBINE END VIBRATION X, BENTLY NEVADA: 3300 SERIES	In Stock	High	N/A	



Critical Spares Status
Holyrood – Combustion Turbine

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
TURBINE EXHAUST END VIBRATION X	In Stock	High	N/A	
RELATIVE SENSOR, BENTLY NEVADA: 3500 SERIES				
ANIZR,COND,8619,24V,4-20MA,BUR	In Stock	Medium	N/A	
WATERTECH SERVICES: 3059496	In Stock	Medium	N/A	
E-CELL INLINE FLOW SENSOR, BURKERT: 3059466	In Stock	Medium	N/A	
E-CELL PRESSURE SWITCH, AUTOMATION DIRECT:3039305				
PLC-GE, QP+, 7" COLOR, 24VDC,	In Stock	Medium	N/A	
WATERTECH SERVICES: 3134672				
SENSOR-FLOW, BUR, INLINE, SE30	In Stock	Medium	N/A	
WATERTECH SERVICES: 3059466	In Stock	Medium	N/A	
E-CELL FLOW SENSOR 8020 SHORT, BURKERT:3033067				
METER, 30-199.9 MV	In Stock	Low	N/A	
E-CELL 30-199.9 MV METER, GENERAL ELECTRIC: 3038073				
TRANSMITTER, PRESSURE				
E-CELL PRESSURE TRANSMITTER, BURKERT:3059497	In Stock	Medium	N/A	
COMBUSTOR SHELL PRESS TRANSMITTER,				
SIEMENS:7MF4233-1HA10-1AC1-Z+B21+Y01+Y15	In Stock	High	N/A	
BEARING OIL PRESSURE TRANSMITTER,				
SIEMENS: 7MF4033-1CA10-1AC7-Z+B21+A02+Y01+Y21+Y15+Y16	In Stock	Low	N/A	
THERMOCOUPLE, TEMPERATURE				
STARTING PACKAGE MOTOR STATOR - TEMPERATURE THERMOCOUPLE, S102629PD-120T305Z96	In Stock	Medium	N/A	
THERMOCOUPLE, TEMPERATURE				
STARTING PACKAGE MOTOR FORWARD - BEARING TEMPERATURE T/C, S16820PD-300Z96	In Stock	Medium	N/A	
SWITCH, AUXILIARY				
AUX SWITCH, SIEMENS:A01JLD64	In Stock	Low	N/A	
OIL COMPRESSOR				
ALL SEASON SELECT OIL, INGERSOLL RAND 38436721	In Stock	Medium	N/A	
KIT, E-CELL CLAMP SET: 3033064	In Stock	Low	N/A	
PLC-AB, ANLG, 4-20, MA, 4IN, 1762-1F4: 1227751	In Stock	Medium	N/A	
SENSOR, CONDUCTIVITY				
SENSOR-COND,PVDF,0.01CEL,BUR,8220: 3059495	In Stock	Medium	N/A	
TERMINAL-FUSE,IP TYPE CC,AB: 1235396	In Stock	Low	N/A	
TERMINAL-FUSE,LED,10-57VAC/VDC,1492-H5: 1152328	In Stock	Low	N/A	
FUSE-DELAY,600V,CLASS CC,6A,BUS: 3054531	In Stock	Low	N/A	
FUSE-BLOCK,600V,100A,MODULAR,BUS: 3020468	In Stock	Low	N/A	
FUSE-FAST,700V,80A,BUS: 3010595	In Stock	Low	N/A	
FUSE-DELAY,600V,CLASS CC,3.5A,LP-CC,BUS: 3126308	In Stock	Low	N/A	
FUSE-DELAY,600V,CLASS CC,4A,LP-CC-4,BUS: 3060754	In Stock	Low	N/A	
FUSE-FAST,250V,CERAMIC,1A,BUS: 3055154	In Stock	Low	N/A	
FUSE-DELAY,600V,CLASS CC,1A,BUS: 3029658	In Stock	Low	N/A	
FUSE-BLOCK,690V,MIDGET,MERSEN,USM1: 3146420	In Stock	Low	N/A	
PLC-GE,QP+,7" COLOR,24VDC,1C755CSW07CDA: 3134672	In Stock	Medium	N/A	
PLC-AB,DIGITAL,24VDC,8 IN,1762-IQ8: 1224240	In Stock	Medium	N/A	
PLC-AB,20D/12DO/4AI/4AO,1766-132BXBA: 3060729	In Stock	Medium	N/A	
XFMR-CONTROL				
XFMR-CNTRL,230/575,115-50/60,500VA,5Q-D: 3060802	In Stock	Medium	N/A	
POWER SUPPLY, 24VDC				
POWER-SUP,PHOENIX,TRIO,24VDC,5A: 3037802	In Stock	Low	N/A	



Critical Spares Status
Holyrood – Combustion Turbine

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
SWITCH, PUSH BUTTON	In Stock	Low	N/A	
SWITCH-P-B, IEC, 1NC, MAN, BLK, 800FP: 3007466	In Stock	Low	N/A	
SWITCH-PUSH PULL, 24VDC, IEC, MUSHRM, I.L. RED: 3006380	In Stock	Medium	N/A	
RELAY, 3PDT, 24VDC, 10A, 700-HA33224: 1152099	In Stock	Medium	N/A	
RELAY, SPDT, 24VDC, 10A, FINDER, 40.31: 3040656	In Stock	Medium	N/A	
E-CELL EDI STACKS, MK3X	In Stock	Low	N/A	
SEAL MECHANICAL FOR FORWARDING PUMPS: 98511844	In Stock	Low	N/A	
SEAL MECHANICAL FOR RO PUMP: 9644664	In Stock	Low	N/A	
FLOW SENSOR TURBINE W/ CABLE - VARIOUS SKIDS: CW237	In Stock	Low	N/A	
BLUE/WHITE CHEMICAL INJECTION PUMP: A1N00F-4T	In Stock	Low	N/A	
SOFT STARTER FOR RO: TLQAT52222D4756U	In Stock	Low	N/A	
PLC, PREPROGRAMMED- RO SKID	In Stock	Medium	N/A	
PREPROGRAMMED PLC - RO SKID: DO-06DR-RO	In Stock	Medium	N/A	
SWITCH, 3-POSITION, 22MM	In Stock	Low	N/A	
3-POSITION SWITCH 22MM: GCX3320-22	In Stock	Low	N/A	
ACTUATOR ELECT FOR RO INLET VA	In Stock	Low	N/A	
WATERTECH SERVICES: V561055A	In Stock	Low	N/A	
SWITCH, 2-POSITION, 22MM	In Stock	Low	N/A	
2-POSITION SWITCH 22MM: GCX3300	In Stock	Low	N/A	
COLOR TOUCHSCREEN INTERFACE, 6"	In Stock	Low	N/A	
PREPROGRAMMED 6" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Low	N/A	
PERMEATE PUMP SKID: W5EA9-PERM	In Stock	Medium	N/A	
PLC, PREPROGRAMMED - PERMATE SKID	In Stock	Medium	N/A	
PREPROGRAMMED PLC - PERMEATE PUMP SKID: DO-06DR-D-PERM	In Stock	Medium	N/A	
PLC, PREPROGRAMMED - RAW WATER SKID	In Stock	Medium	N/A	
PREPROGRAMMED PLC - RAW WATER PUMP SKID: DO-06DR-RW	In Stock	Medium	N/A	
COLOR TOUCHSCREEN INTERFACE, 6"	In Stock	Medium	N/A	
PREPROGRAMMED 6" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Medium	N/A	
RAW WATER PUMP SKID: W5EA9-RW	In Stock	Medium	N/A	
COLOR TOUCHSCREEN INTERFACE, 8"	In Stock	Medium	N/A	
PREPROGRAMMED 8" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Medium	N/A	
REVERSE OSMOSIS SKID: W5EA9-8RO	In Stock	Medium	N/A	
COLOR TOUCHSCREEN INTERFACE, 10"	In Stock	Medium	N/A	
PREPROGRAMMED 10" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Medium	N/A	
REVERSE OSMOSIS SKID: W5EA9-10 RO	In Stock	Medium	N/A	
ORP PREAMPLIFIER	In Stock	Low	N/A	
WATERTECH SERVICES: 5909-273	In Stock	Low	N/A	
CONDUCTIVITY MODULE FOR MULTIFUNCTION MONITOR - RO: 5908.494	In Stock	Low	N/A	
Exhaust Thermocouples	In Stock	High	N/A	



**Critical Spares Status
Happy Valley – Gas Turbine**

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
Pressure Switch Pressure Switch (PDSH-601; Sheet 1 - Left-Centre), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch High (PSH-620; Sheet 3 - Left), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch High (PSH-621; Sheet 3 - Centre-Left), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch High (PSH-622; Sheet 3 - Top-Left), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch High (PSH-624; Sheet 3 - Top-Left), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch Low (PSL-604; Sheet 2 - Left), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch Low (PSL-609; Sheet 2 - Centre), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch Low (PSL-613; Sheet 3 - Top-Centre), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch Low (PSL-617; Sheet 3 - Low-Centre), Lubrication System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch (E42-PS1; AB4), Glycol Cooling System	In Stock	Medium	N/A	
Pressure Switch Pressure Switch (E42-PS2; AB5,6), Glycol Cooling System	In Stock	Medium	N/A	
THERMOCOUPLE,P&W 1081998 THERMOCOUPLE, IMMERSION FOR PRATT & WHITNEY FT8 GAS TURBINE P&W #1081998	In Stock	Medium	N/A	
Fuel Filter Fuel Fwd. Skid Fuel Filter (E31-F1; E6)	In Stock	High	N/A	
Lube oil filter Lube Oil Skid Fuel Filter (E31-F4; EF4)	In Stock	High	N/A	
DC Fuel pump (E31-P1; E7)	In Stock	High	N/A	
AC Fuel Pump (E31-P3; C7)	In Stock	High	N/A	
Pressure Differential Switch (E31-PDS1; F6) Fuel System	In Stock	Medium	N/A	
Pressure Switch (E31-PS1; D7) Fuel system	In Stock	Medium	N/A	
Pressure Switch (E31-PS2; D7) Fuel system	In Stock	Medium	N/A	
Pressure Switch Low (E31-PSL4; F4), Fuel System	In Stock	Medium	N/A	
Pressure Shutdown Low (E31-PSLL1; F4), Fuel System	In Stock	Medium	N/A	
Solenoid Valve (E31-SV1; E2), Fuel System	In Stock	High	N/A	
Solenoid Valve (E31-SV2; E2), Fuel System	In Stock	High	N/A	
Solenoid Valve (E31-SV3; D2), Fuel System	In Stock	High	N/A	
Solenoid Valve (E31-SV4; E2), Fuel System	In Stock	Low	N/A	



**Critical Spares Status
Happy Valley – Gas Turbine**

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
Solenoid Valve (E31-SV6; D8), Fuel System	In Stock	Low	N/A	
Filter (F-601; Sheet 1 - Centre-Left), Lubrication System	In Stock	High	N/A	
AC Motor (M-601; Sheet 2 - Left), Lubrication System	In Stock	High	N/A	
DC Motor (M-602; Sheet 2 - Low-Left), Lubrication System	In Stock	High	N/A	
Pump (MOP-601; Sheet 2 - Left), Lubrication System	In Stock	High	N/A	
Pressure Regulator Valve (PDCV-601; Sheet 2 - Low-Right), Lubrication System P&W No. CT113037	In Stock	Low	N/A	
Pressure Safety Valve (PSV-601; Sheet 1 - Right), Lubrication System P&W No. CT112530	In Stock	Low	N/A	
Temperature Control Valve (TCV-601; Sheet 1 - Right), Lubrication System	In Stock	Medium	N/A	
Level Switch (LSL-601 & LSL-601; Sheet 1 - Centre-Right), Lubrication System P&W No. CT110085	In Stock	Low	N/A	
Temperature RTD (TE-601; Sheet 1 - Centre), Lubrication System P&W No. CT112558	In Stock	Low	N/A	
AC Fan Motor (E42-FM1; C7), Glycol Cooling System	In Stock	Low	N/A	
Pump (E42-P1; B5), Glycol Cooling System	In Stock	High	N/A	
AC Pump Motor (E42-PM1; B5), Glycol Cooling System	In Stock	High	N/A	
Pressure Relief Valve (E42-PRV1; AB3,4), Glycol Cooling System	In Stock	Low	N/A	
Self-Actuating Control Valve (E42-TCV1; B6), Glycol Cooling System	In Stock	High	N/A	
Fan Vibration Switch (E42-VSH1; C7,8), Glycol Cooling System	In Stock	Medium	N/A	
Fan Vibration Switch (E42-VSH2; BC7,8), Glycol Cooling System	In Stock	Medium	N/A	
Pneumatic Actuator (E50-PA 1; Sheet 2 - D6), Air Supply System	In Stock	Medium	N/A	
Solenoid Valve (E50-SV1; Sheet 1 - A6), Air Supply System	In Stock	Low	N/A	
Solenoid Valve (E50-SV2; Sheet 1 - C5,6), Air Supply System	In Stock	Low	N/A	
Solenoid Valve (E50-SV3; Sheet 1 - C5,6), Air Supply System	In Stock	Low	N/A	
Solenoid Valve (E50-SV4; Sheet 1 - C3,4), Air Supply System	In Stock	Low	N/A	
Solenoid Valves (E50-SV5 through E50-SV 35; Sheet 2 - B8), Air Supply System	In Stock	Low	N/A	
Solenoid Valve (E50-SV 36; Sheet 2 - C5,6), Air Supply System	In Stock	Low	N/A	
Solenoid Valve (E50-SV 37; Sheet 2 - AB5), Air Supply System	In Stock	Low	N/A	
Limit Switch (E50-V 31; Sheet 2 - BC6,7), Air Supply System	In Stock	Low	N/A	
Limit Switch (E50-V 32; Sheet 2 - B6,7), Air Supply System	In Stock	Low	N/A	



**Critical Spares Status
 Happy Valley – Gas Turbine**

Recommended Component	Stock	Risk Score	Expected Delivery	Comments
Limit Switch (E50-V 33; Sheet 2 - B6,7), Air Supply System	In Stock	Low	N/A	
Limit Switch (E50-V 34; Sheet 2 - B6,7), Air Supply System	In Stock	Low	N/A	

Appendix H

Critical Spares Status Listing for Hydraulic Generation





Critical Spares Stock Status

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - ACCUMULATOR TANK Level switch	In Stock		N/A	N/A
BDE - ACCUMULATOR TANK Pressure switch	In Stock		N/A	N/A
BDE - ADAPTER,REMOTE I/O	In Stock		N/A	N/A
BDE - ADAPTER,REMOTE I/O	In Stock		N/A	N/A
BDE - ADAPTER,REMOTE I/O	In Stock		N/A	N/A
BDE - ADAPTER,REMOTE I/O	In Stock		N/A	N/A
BDE - BACKPLANE,10 SLOT MODICON	In Stock		N/A	N/A
BDE - BACKPLANE,10 SLOT MODICON	In Stock		N/A	N/A
BDE - BACKPLANE,10 SLOT MODICON	In Stock		N/A	N/A
BDE - BACKPLANE,10 SLOT MODICON	In Stock		N/A	N/A
BDE - BDE - PUMP,OIL IMO A3DB-275	In Stock		N/A	N/A
BDE - BEARING KIT,IR 32127474	In Stock		N/A	N/A
BDE - BEARING KIT,IR 32127474	In Stock		N/A	N/A
BDE - BELT, V IR 95100160	In Stock		N/A	N/A
BDE - BELT, V IR 95100160	In Stock		N/A	N/A
BDE - BELT, V IR 95100558	In Stock		N/A	N/A
BDE - BELT, V IR 95100558	In Stock		N/A	N/A
BDE - BOARD ASSY,IRD 24144	In Stock		N/A	N/A
BDE - BOARD ASSY,IRD 24144	In Stock		N/A	N/A
BDE - C/T 50/51	In Stock		N/A	N/A
BDE - CABLE,SERIES 925 RESOLVER	In Stock		N/A	N/A
BDE - CABLE,SERIES 925 RESOLVER	In Stock		N/A	N/A
BDE - CARD,IRD 31649	In Stock		N/A	N/A
BDE - CARD,IRD 31649	In Stock		N/A	N/A
BDE - CARD,PRINTED CIRCUIT	In Stock		N/A	N/A
BDE - CARD,PRINTED CIRCUIT	In Stock		N/A	N/A
BDE - COIL-AB CC236	In Stock		N/A	N/A
BDE - COIL-AB CC236	In Stock		N/A	N/A
BDE - COIL,SULL 250018-971	In Stock		N/A	N/A
BDE - CONTACT,CONTACTOR-TYPE DG-1	In Stock		N/A	N/A
BDE - CONTACT,CONTACTOR-TYPE DG-1	In Stock		N/A	N/A
BDE - CREEP DETECTOR ASSY,129 VCD	In Stock		N/A	N/A
BDE - CREEP DETECTOR ASSY,129 VCD	In Stock		N/A	N/A
BDE - DISCONNECT SWITCH 29-1 - Complete Unit	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE2001.30R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE20501.1R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE20501.2R0001	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - EXCITATION CONTROLS - CARD,ABB HIEE205014R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300661R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300686R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300690R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300698R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300766R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE305043R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE305069R0001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE30598R1	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - CARD,ABB HIEE401481RD001	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - COIL,ABB HIER464920P1	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - Field Flashing Resistor	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - Field Flashing Resistor	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - MAINBOARD,ABB HIER465176R22	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - POWER SUPPLY,TRACO HIER46651-	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - POWER SUPPLY,TRACO HIER46651-	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - RESISTOR,FIELD DISCHARGE	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - SHUNT,ABB UXAB269330R909	In Stock		N/A	N/A
BDE - EXCITATION CONTROLS - VARISTOR,ABB 3ACDS245A003	In Stock		N/A	N/A
BDE - Exciter POWER ELECTRONICS - BRIDGE,ABB S00772	In Stock		N/A	N/A
BDE - Exciter POWER ELECTRONICS - FAN ASSY,ABB 500773	In Stock		N/A	N/A
BDE - Exciter POWER ELECTRONICS - FUSE,ABB 6,6URD321TF0800	In Stock		N/A	N/A
BDE - Exciter POWER ELECTRONICS - Pulse Transformers	In Stock		N/A	N/A
BDE - Exciter POWER ELECTRONICS - THYRISTOR,ABB 5STP27F1200	In Stock		N/A	N/A
BDE - FIELD BREAKER QO2 - PANEL EE - ARC-CHUTE,ABB UXAB269399R012	In Stock		N/A	N/A
BDE - FIELD BREAKER QO2 - PANEL EE - BREAKER,ABB HIER466757P2331 (entire unit)	In Stock		N/A	N/A
BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT,ABB UXAB239299R0003	In Stock		N/A	N/A
BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT,ABB UXAB239260R002	In Stock		N/A	N/A
BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT,ABB UXAB269399R032	In Stock		N/A	N/A
BDE - FIELD BREAKER QO2 - PANEL EE - SHUNT,ABB UXAB269350R909	In Stock		N/A	N/A
BDE - FILTER,AIR (ELEMENT ONLY)	In Stock		N/A	N/A
BDE - FILTER,COOLANT (ELEMENT ONLY)	In Stock		N/A	N/A
BDE - GAS,INERGEN (350F3)	In Stock		N/A	N/A
BDE - GAS,INERGEN (425F3)	In Stock		N/A	N/A
BDE - GASKET KIT,IR X14531747	In Stock		N/A	N/A
BDE - GASKET SET,IR 30423339	In Stock		N/A	N/A
BDE - GASKET SET,IR 30423339	In Stock		N/A	N/A
BDE - GASKET,FLEXMASTER 250007-559	In Stock		N/A	N/A
BDE - GASKET,SULL 040517	In Stock		N/A	N/A
BDE - GATE HOIST - BAY D'ESPOIR - ST - Remote I/O Adapter	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - GENERATOR - CREEP DETECTOR ASSY,129 VCD	In Stock		N/A	N/A
BDE - GENERATOR - PLATES,BRAKE (24 PER SET)	In Stock		N/A	N/A
BDE - GENERATOR - SWITCH,WOODWARD 8935-139	In Stock		N/A	N/A
BDE - Generator SLIPRING/BRUSH RIGGING - Brush Holders	In Stock		N/A	N/A
BDE - Generator SLIPRING/BRUSH RIGGING - Carbon Brushes	In Stock		N/A	N/A
BDE - Generator SLIPRING/BRUSH RIGGING - Slip Ring	In Stock		N/A	N/A
BDE - GOVERNOR - BEARING,DASHPOT LINK	In Stock		N/A	N/A
BDE - GOVERNOR - BRACKET,WOODWARD 11002-57	In Stock		N/A	N/A
BDE - GOVERNOR - BRACKET,WOODWARD 91588	In Stock		N/A	N/A
BDE - GOVERNOR - BUSHING, DASHPOT - LARGE	In Stock		N/A	N/A
BDE - GOVERNOR - BUSHING, DASHPOT - SMALL	In Stock		N/A	N/A
BDE - GOVERNOR - BUSHING,PILOT VALVE	In Stock		N/A	N/A
BDE - GOVERNOR - BUSHING,SNAP ACTION	In Stock		N/A	N/A
BDE - GOVERNOR - BUSHING,WW 11002-65	In Stock		N/A	N/A
BDE - GOVERNOR - CABLE,AIRCRAFT 1/4 187083	In Stock		N/A	N/A
BDE - GOVERNOR - CLIP,WW 11002-16	In Stock		N/A	N/A
BDE - GOVERNOR - COIL,DASHPOT	In Stock		N/A	N/A
BDE - GOVERNOR - COIL,PARTIAL SHUTDOWN RESET	In Stock		N/A	N/A
BDE - GOVERNOR - COIL,SHUTDOWN SOLENOID	In Stock		N/A	N/A
BDE - GOVERNOR - COIL,SHUTDOWN SOLENOID 65SD	In Stock		N/A	N/A
BDE - GOVERNOR - COIL, WW 202132	In Stock		N/A	N/A
BDE - GOVERNOR - CONTACT,CONTACTOR-TYPE DG-	In Stock		N/A	N/A
BDE - GOVERNOR - DASHPOT,WW 161314	In Stock		N/A	N/A
BDE - GOVERNOR - DIODE, WW 202891	In Stock		N/A	N/A
BDE - GOVERNOR - DISC,RELIEF VALVE	In Stock		N/A	N/A
BDE - GOVERNOR - DISC,UNLOADER	In Stock		N/A	N/A
BDE - GOVERNOR - FILTER,HYD 932633Q	In Stock		N/A	N/A
BDE - GOVERNOR - GASKET KIT,WOODWARD 8926-137	In Stock		N/A	N/A
BDE - GOVERNOR - GASKET,WOODWARD 1327-816	In Stock		N/A	N/A
BDE - GOVERNOR - GASKET,WOODWARD 206317	In Stock		N/A	N/A
BDE - GOVERNOR - LEVER,CONNECTING LOWER	In Stock		N/A	N/A
BDE - GOVERNOR - LEVER,LOWER FLOATING	In Stock		N/A	N/A
BDE - GOVERNOR - LEVER,UPPER FLOATING	In Stock		N/A	N/A
BDE - GOVERNOR - LINK,WOODWARD 070346	In Stock		N/A	N/A
BDE - GOVERNOR - LOCKWASHER,BEARING	In Stock		N/A	N/A
BDE - GOVERNOR - MOTOR ASSY,C/W SHAFT & GEAR	In Stock		N/A	N/A
BDE - GOVERNOR - MOTOR ASSY,GATE LIMIT	In Stock		N/A	N/A
BDE - GOVERNOR - MOTOR, VIBRATING OIL	In Stock		N/A	N/A
BDE - GOVERNOR - MOTOR,GOVERNOR SPEED 28 VOLT	In Stock		N/A	N/A
BDE - GOVERNOR - MOTOR,SYNCHRONIZING	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - GOVERNOR - PIN,BALLARM	In Stock		N/A	N/A
BDE - GOVERNOR - PIN,DASHPOT	In Stock		N/A	N/A
BDE - GOVERNOR - PIN,LOWER DRIVE	In Stock		N/A	N/A
BDE - GOVERNOR - PIN,PIVOT	In Stock		N/A	N/A
BDE - GOVERNOR - PIN,WOODWARD 11002-71	In Stock		N/A	N/A
BDE - GOVERNOR - PIN,WOODWARD 11002-75	In Stock		N/A	N/A
BDE - GOVERNOR - PLUNGER,SNAP ACTION	In Stock		N/A	N/A
BDE - GOVERNOR - POTENTIOMETER,12500H 0.24A	In Stock		N/A	N/A
BDE - GOVERNOR - PUMP,OIL IMO A3DB-275	In Stock		N/A	N/A
BDE - GOVERNOR - RETAINER,SWITCH	In Stock		N/A	N/A
BDE - GOVERNOR - RING,SNAP (PILOT SERVO PLUG)	In Stock		N/A	N/A
BDE - GOVERNOR - ROTOR,BALL HEAD MOTOR	In Stock		N/A	N/A
BDE - GOVERNOR - SOLENOID,125 V DC	In Stock		N/A	N/A
BDE - GOVERNOR - SOLENOID,125VDC 211E	In Stock		N/A	N/A
BDE - GOVERNOR - SPRING,PILOT VALVE LINK	In Stock		N/A	N/A
BDE - GOVERNOR - SPRING,RELIEF	In Stock		N/A	N/A
BDE - GOVERNOR - SPRING,UNLOADER	In Stock		N/A	N/A
BDE - GOVERNOR - STATOR,BALL HEAD MOTOR	In Stock		N/A	N/A
BDE - GOVERNOR - SWITCH,PRESS OIL ALARM	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BALLARM,SPEED SWITCH	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BEARING,PMG P/N 2995205	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BEARING,SPEED SIGNAL	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BEARING,WW 111006	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BEARING,WW 1800125	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BUSHING,OILITE OVERSPEED SWITCH ASSEMBLY	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BUSHING,URETHANE LOWER D	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - BUSHING,URETHANE UPPER D	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - PIN,BALLARM	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - PIN,DOWEL - SPEED SWITCH	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - PIN,ROCKER ARM	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - PIN,TAPERED	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - PLATE,MOUNTING - MERCURY	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - RING,ROTOR	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - SPRING,SPEED SWITCH	In Stock		N/A	N/A
BDE - GOVERNOR SPEED GENERATOR - STATOR,P.M.G.	In Stock		N/A	N/A
BDE - GUIDE BEARING SEGMENTS - bearing segments,	In Stock		N/A	N/A
BDE - HEADCOVER ASSEMBLY - UNIT 1 - BUSHING,UPPER HEAD COVER P003	In Stock		N/A	N/A
BDE - HEADCOVER ASSEMBLY - UNIT 1 - BUSHING,UPPER WICKET	In Stock		N/A	N/A
BDE - Heat Sink Exciter	In Stock		N/A	N/A
BDE - INTAKE GATE - BACKPLANE,6 SLOT MODICON	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - INTAKE STRUCTURE NO. 1 - TRANSMITTER,PRESS 0-6MH20	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - CT 50/51	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - Surge Capacitor	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - Surge Capacitor	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - XFMR,CT 1000:	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - XFMR,CT 13.8KV	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - XFMR,CT 30332313	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - XFMR,CT 800:5	In Stock		N/A	N/A
BDE - ISOLATED PHASE BUS - XFMR,PT 14400KV	In Stock		N/A	N/A
BDE - METER, TEMP DIGITAL	In Stock		N/A	N/A
BDE - METER, TEMP DIGITAL	In Stock		N/A	N/A
BDE - MODULE,ANALOG QUANTUM	In Stock		N/A	N/A
BDE - MODULE,ANALOG QUANTUM	In Stock		N/A	N/A
BDE - MODULE,ANALOG QUANTUM	In Stock		N/A	N/A
BDE - MODULE,ANALOG QUANTUM	In Stock		N/A	N/A
BDE - MODULE,CPU MODICON	In Stock		N/A	N/A
BDE - MODULE,CPU MODICON	In Stock		N/A	N/A
BDE - MODULE,CPU MODICON	In Stock		N/A	N/A
BDE - MODULE,CPU MODICON	In Stock		N/A	N/A
BDE - MODULE,DISCRETE IN	In Stock		N/A	N/A
BDE - MODULE,DISCRETE IN	In Stock		N/A	N/A
BDE - MODULE,DISCRETE IN	In Stock		N/A	N/A
BDE - MODULE,DISCRETE IN	In Stock		N/A	N/A
BDE - MODULE,DISCRETE OUT	In Stock		N/A	N/A
BDE - MODULE,DISCRETE OUT	In Stock		N/A	N/A
BDE - MODULE,DISCRETE OUT	In Stock		N/A	N/A
BDE - MODULE,DISCRETE OUT	In Stock		N/A	N/A
BDE - MODULE,ETHERNET QUANTUM	In Stock		N/A	N/A
BDE - MODULE,ETHERNET QUANTUM	In Stock		N/A	N/A
BDE - MODULE,ETHERNET QUANTUM	In Stock		N/A	N/A
BDE - MODULE,ETHERNET QUANTUM	In Stock		N/A	N/A
BDE - MODULE,GPS QUANTUM	In Stock		N/A	N/A
BDE - MODULE,GPS QUANTUM	In Stock		N/A	N/A
BDE - MODULE,GPS QUANTUM	In Stock		N/A	N/A
BDE - MODULE,GPS QUANTUM	In Stock		N/A	N/A
BDE - MODULE,HOT STANDBY	In Stock		N/A	N/A
BDE - MODULE,HOT STANDBY	In Stock		N/A	N/A
BDE - MODULE,HOT STANDBY	In Stock		N/A	N/A
BDE - MODULE,HOT STANDBY	In Stock		N/A	N/A
BDE - MODULE,INTERFACE PLC	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - MODULE,INTERFACE PLC	In Stock		N/A	N/A
BDE - MODULE,INTERFACE PLC	In Stock		N/A	N/A
BDE - MODULE,INTERFACE PLC	In Stock		N/A	N/A
BDE - MODULE,INTERFACE PLC	In Stock		N/A	N/A
BDE - MODULE,RACK FILLER	In Stock		N/A	N/A
BDE - MODULE,RACK FILLER	In Stock		N/A	N/A
BDE - MODULE,RACK FILLER	In Stock		N/A	N/A
BDE - MODULE,RACK FILLER	In Stock		N/A	N/A
BDE - MODULE,RELAY OUT	In Stock		N/A	N/A
BDE - MODULE,RELAY OUT	In Stock		N/A	N/A
BDE - MODULE,RELAY OUT	In Stock		N/A	N/A
BDE - MODULE,RELAY OUT	In Stock		N/A	N/A
BDE - MONITOR,15" TOUCHSCREEN	In Stock		N/A	N/A
BDE - MONITOR,15" TOUCHSCREEN	In Stock		N/A	N/A
BDE - MOTOR,ELECT 15HP 575V	In Stock		N/A	N/A
BDE - MOTOR,ELECT 15HP 575V	In Stock		N/A	N/A
BDE - MOTOR,SYNCHRONIZING	In Stock		N/A	N/A
BDE - MOTOR,SYNCHRONIZING	In Stock		N/A	N/A
BDE - NEUTRAL GROUND TRANSFORMER	In Stock		N/A	N/A
BDE - PACKING,V TYPE 2-EASY	In Stock		N/A	N/A
BDE - PACKING,V TYPE 2-EASY	In Stock		N/A	N/A
BDE - PACKING,V TYPE 2-EASY	In Stock		N/A	N/A
BDE - PACKING,V TYPE 2-EASY	In Stock		N/A	N/A
BDE - PANEL STATION SERVICE - PH #2 - ACB	In Stock		N/A	N/A
BDE - PEN ARM MOVEMENT ASSY,RECORDR	In Stock		N/A	N/A
BDE - PEN ARM MOVEMENT ASSY,RECORDR	In Stock		N/A	N/A
BDE - PENSTOCK NO. 1 - TRANSMITTER,PRESS 0-375	In Stock		N/A	N/A
BDE - PENSTOCK NO. 2 - TRANSMITTER,PRESS 0-375	In Stock		N/A	N/A
BDE - PENSTOCK NO. 3 - TRANSMITTER,PRESS 0-375	In Stock		N/A	N/A
BDE - PENSTOCK NO. 4 - TRANSMITTER,PRESS 0-375	In Stock		N/A	N/A
BDE - PICK-UP,MAGNETIC 5430-929	In Stock		N/A	N/A
BDE - PICK-UP,MAGNETIC 5430-929	In Stock		N/A	N/A
BDE - PICK-UP,NON-CONTACT	In Stock		N/A	N/A
BDE - PICK-UP,NON-CONTACT	In Stock		N/A	N/A
BDE - PICK-UP,SPEED SENSING	In Stock		N/A	N/A
BDE - PICK-UP,SPEED SENSING	In Stock		N/A	N/A
BDE - piston D/S	In Stock		N/A	N/A
BDE - piston U/S	In Stock		N/A	N/A
BDE - PISTON,PIN ASSY PE#32054504	In Stock		N/A	N/A
BDE - PISTON,PIN ASSY PE#32054538	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - PISTON/PIN ASSY,IR 30215222	In Stock		N/A	N/A
BDE - PISTON/PIN ASSY,IR 30215222	In Stock		N/A	N/A
BDE - PISTON/PIN ASSY,IR 30215438	In Stock		N/A	N/A
BDE - PISTON/PIN ASSY,IR 30215438	In Stock		N/A	N/A
BDE - PISTON/PIN ASSY,IR 30292460	In Stock		N/A	N/A
BDE - PISTON/PIN ASSY,IR 30292460	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - ADAPTER,REMOTE I/O	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - BACKPLANE,10 SLOT MODICON	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,ANALOG QUANTUM	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,CPU MODICON	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,DISCRETE IN	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,DISCRETE OUT	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,ETHERNET QUANTUM	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,GPS QUANTUM	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,HOT STANDBY	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,INTERFACE PLC	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,RACK FILLER	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - MODULE,RELAY OUT	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,125 VDC	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,125VDC 8A	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - PLC,Model Quantum- Modicon - REMOTE I/O HEAD,MODICON	In Stock		N/A	N/A
BDE - POTENTIOMETER,12500H 0.24A	In Stock		N/A	N/A
BDE - POTENTIOMETER,12500H 0.24A	In Stock		N/A	N/A
BDE - POTENTIOMETER,12500H 0.24A	In Stock		N/A	N/A
BDE - POTENTIOMETER,12500H 0.24A	In Stock		N/A	N/A
BDE - POTENTIOMETER,1K OH .244 A	In Stock		N/A	N/A
BDE - POTENTIOMETER,1K OH .244 A	In Stock		N/A	N/A
BDE - POTENTIOMETER,25W 50 OHMS	In Stock		N/A	N/A
BDE - POTENTIOMETER,25W 50 OHMS	In Stock		N/A	N/A
BDE - POTENTIOMETER,SPEED	In Stock		N/A	N/A
BDE - POTENTIOMETER,SPEED	In Stock		N/A	N/A
BDE - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,125 VDC	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - POWER SUPPLY,125 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,125 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,125 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,125VDC 8A	In Stock		N/A	N/A
BDE - POWER SUPPLY,125VDC 8A	In Stock		N/A	N/A
BDE - POWER SUPPLY,125VDC 8A	In Stock		N/A	N/A
BDE - POWER SUPPLY,125VDC 8A	In Stock		N/A	N/A
BDE - POWER SUPPLY,125VDC 8A	In Stock		N/A	N/A
BDE - POWER SUPPLY,125VDC 8A	In Stock		N/A	N/A
BDE - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24 VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,24VDC	In Stock		N/A	N/A
BDE - POWER SUPPLY,300W	In Stock		N/A	N/A
BDE - POWER SUPPLY,300W	In Stock		N/A	N/A
BDE - POWER SUPPLY,48VDC 240W	In Stock		N/A	N/A
BDE - POWER SUPPLY,48VDC 240W	In Stock		N/A	N/A
BDE - POWER SUPPLY,IRD PCB 29128	In Stock		N/A	N/A
BDE - POWER SUPPLY,IRD PCB 29128	In Stock		N/A	N/A
BDE - PROBE SYSTEM,CAPACITANCE	In Stock		N/A	N/A
BDE - PROBE SYSTEM,CAPACITANCE	In Stock		N/A	N/A
BDE - PROBE,CAPACITANCE	In Stock		N/A	N/A
BDE - PROBE,CAPACITANCE	In Stock		N/A	N/A
BDE - PROCESSOR,MICRO-CENTRAL	In Stock		N/A	N/A
BDE - PROCESSOR,MICRO-CENTRAL	In Stock		N/A	N/A
BDE - PROCESSOR,PLC	In Stock		N/A	N/A
BDE - PROCESSOR,PLC	In Stock		N/A	N/A
BDE - PROCESSOR,PROG C/W 1772-MJ	In Stock		N/A	N/A
BDE - PROCESSOR,PROG C/W 1772-MJ	In Stock		N/A	N/A
BDE - PROTRACTOR,ANSUL 423958	In Stock		N/A	N/A
BDE - PUMP,OIL IMO A3DB-275	In Stock		N/A	N/A
BDE - RECTIFYING TRANSFORMER - Full Unit	In Stock		N/A	N/A
BDE - RECTIFYING TRANSFORMER - Insulating Fluid	In Stock		N/A	N/A
BDE - REGULATOR KIT,SULL 250019-453	In Stock		N/A	N/A
BDE - RELAY,ADJUSTABLE AC V SENSOR	In Stock		N/A	N/A
BDE - RELAY,ADJUSTABLE AC V SENSOR	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - RELAY,GROUND VOLTAGE	In Stock		N/A	N/A
BDE - RELAY,INSTANTANEOUS CURRENT	In Stock		N/A	N/A
BDE - RELAY,INSTANTANEOUS CURRENT	In Stock		N/A	N/A
BDE - RELAY,INSTANTANEOUS CURRENT	In Stock		N/A	N/A
BDE - RELAY,LEVEL CONTROL #1001	In Stock		N/A	N/A
BDE - RELAY,OVERCURRENT 1600A 3POLE	In Stock		N/A	N/A
BDE - RELAY,UNDERVOLTAGE 125VAC	In Stock		N/A	N/A
BDE - REMOTE I/O HEAD,MODICON	In Stock		N/A	N/A
BDE - REMOTE I/O HEAD,MODICON	In Stock		N/A	N/A
BDE - REMOTE I/O HEAD,MODICON	In Stock		N/A	N/A
BDE - REMOTE I/O HEAD,MODICON	In Stock		N/A	N/A
BDE - RING SET,IR 32194144	In Stock		N/A	N/A
BDE - RING,PISTON SERVO MOTOR 18"OD	In Stock		N/A	N/A
BDE - RING,PISTON SERVO MOTOR 18"OD	In Stock		N/A	N/A
BDE - RING,PISTON SERVO MOTOR 18"OD	In Stock		N/A	N/A
BDE - RING,PISTON SERVO MOTOR 18"OD	In Stock		N/A	N/A
BDE - ROTOR POLES - Pole	In Stock		N/A	N/A
BDE - ROTOR SHAFT - Rotating Ring	In Stock		N/A	N/A
BDE - RUNNER - UNIT 1 - BOLT,SHAFT TO RUNNER	In Stock		N/A	N/A
BDE - seal movable	In Stock		N/A	N/A
BDE - seal stationary	In Stock		N/A	N/A
BDE - seal stationary	In Stock		N/A	N/A
BDE - SENSOR,CABLE REEL LINEAR	In Stock		N/A	N/A
BDE - SHAFT,SERVOMOTOR 4140	In Stock		N/A	N/A
BDE - SHAFT,SERVOMOTOR 4140	In Stock		N/A	N/A
BDE - SHAFT,SERVOMOTOR 4140	In Stock		N/A	N/A
BDE - SHAFT,SERVOMOTOR 4140	In Stock		N/A	N/A
BDE - SPILLWAY #1-SALMON RIVE - Lift gearboxes/nuts	In Stock		N/A	N/A
BDE - STATION SERVICE - BDE PH1 - ACB	In Stock		N/A	N/A
BDE - STATION SERVICE - BDE PH1 - Trip Unit - Breker control device	In Stock		N/A	N/A
BDE - stationary ring	In Stock		N/A	N/A
BDE - STATOR ASSEMBLY - BAR,COPPER 1/2"X2"X10'	In Stock		N/A	N/A
BDE - STATOR ASSEMBLY - BAR,ROTOR CONNECTION	In Stock		N/A	N/A
BDE - STATOR ASSEMBLY - BAR,ROTOR CONNECTION	In Stock		N/A	N/A
BDE - STATOR ASSEMBLY - BAR,STATOR	In Stock		N/A	N/A
BDE - STATOR ASSEMBLY - BAR,STATOR	In Stock		N/A	N/A
BDE - STATOR WINDINGS - UNIT 1 - CONNECTOR,STATOR CU	In Stock		N/A	N/A
BDE - STATOR WINDINGS - UNIT 1 to 4 - Coils	In Stock		N/A	N/A
BDE - SURFACE AIR COOLERS - SAC Unit	In Stock		N/A	N/A
BDE - SURFACE AIR COOLERS - Tubes	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - THRUST BEARING SEGMENTS - bearing segments,	In Stock		N/A	N/A
BDE - THRUST/GUIDE BEARING ASSEMBLY - Oil	In Stock		N/A	N/A
BDE - THRUST/GUIDE BEARING ASSEMBLY - Springs	In Stock		N/A	N/A
BDE - THRUST/GUIDE BEARING ASSEMBLY - TRANSMITTER,DIFF	In Stock		N/A	N/A
BDE - THRUST/GUIDE BEARING COOLERS - Cooler	In Stock		N/A	N/A
BDE - TURBINE - Turbine Carbon Seal (Units 1 to 4)	In Stock		N/A	N/A
BDE - TURBINE - Turbine Carobn Seal (Units 5 & 6)	In Stock		N/A	N/A
BDE - TURBINE GUIDE BEARING - Bearing	In Stock		N/A	N/A
BDE - TURBINE GUIDE BEARING - oil cooler	In Stock		N/A	N/A
BDE - Unit 5/6 Rotor Pole	In Stock		N/A	N/A
BDE - Unit 7 Control Board - BOARD,CONTROL	In Stock		N/A	N/A
BDE - Unit 7 DRAFT TUBE-TURBINE - Water Level Probe	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - BOARD,DIGITAL I/O	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - BOARD,I/O ANALOG	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - BOARD,MEASURING ABB	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - BOARD,POWER SYSTEM STABI	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - CAPACITOR,20 MF +-10% 150 V	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - COMPONENT, INTEG CCT	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - CONTACT,ISOLATING	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - INTEG CCT	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - MODULE,ABB DCS500B200361	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - PANEL,CONTROL	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - POWER SUPPLY,ABB 3BHED13940R00	In Stock		N/A	N/A
BDE - UNIT 7 EXCITER - RELAY,GROUND VOLTAGE	In Stock		N/A	N/A
BDE - Unit 7 GENERATOR COOLING WATER SYSTEM - TRANSMITTER,DIFF	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - ARC CHUTE,ABB UXAB289199215	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - BREAKER,ABB EZNE1600MS4-B1	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - Charging Motor	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - COIL,SHUNT CLOSING	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - COIL,SHUNT OPENING	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - CONTACT,ABB UXAB239Z60R0	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - Main Fixed Contacts	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - Main Moving Contacts	In Stock		N/A	N/A
BDE - Unit 7 Generator Field Breaker - MOTOR, CHARGING	In Stock		N/A	N/A
BDE - Unit 7 GENERATOR GUIDE BEARING - segments	In Stock		N/A	N/A
BDE - UNIT 7 GOVERNOR - FILTER,HYD 932633Q	In Stock		N/A	N/A
BDE - UNIT 7 GOVERNOR - PIN,BALLARM	In Stock		N/A	N/A
BDE - UNIT 7 GOVERNOR - PIN,DASHPOT	In Stock		N/A	N/A
BDE - UNIT 7 GOVERNOR - PIN,LOWER DRIVE	In Stock		N/A	N/A
BDE - UNIT 7 GOVERNOR - PIN,PIVOT	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - Unit 7 GOVERNOR - PIN,ROCKER ARM	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - PIN,WOODWARD 11002-71	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - PIN,WOODWARD 11002-75	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - PLUNGER,SNAP ACTION	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - POTENTIOMETER,12500H 0.24A	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - PUMP,OIL IMO A3DB-275	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - RETAINER,SWITCH	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - RING,SNAP (PILOT SERVO PLUG)	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - ROTOR,BALL HEAD MOTOR	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - SENSOR,LOAD GOVERNOR	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - SOLENOID,125 V DC	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - SOLENOID,125VDC 211E	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - SPRING,PILOT VALVE LINK	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - SPRING,SPEED SWITCH	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - STATOR,BALL HEAD MOTOR	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - STATOR,PERMANENT MAGNET	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - SWITCH,PRESS OIL ALARM	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - Unloader/Relief Valve	In Stock		N/A	N/A
BDE - Unit 7 GOVERNOR - Unloader/Relief Valve	In Stock		N/A	N/A
BDE - Unit 7 HEADCOVER ASSEMBLY - BOTTOM RING P001 bushing	In Stock		N/A	N/A
BDE - Unit 7 HEADCOVER ASSEMBLY - BUSHING,LOWER HEAD COVER P001	In Stock		N/A	N/A
BDE - Unit 7 HEADCOVER ASSEMBLY - PACKING,V-TYPE 3/8 EASY	In Stock		N/A	N/A
BDE - Unit 7 HYDRAULIC GENERATOR - coolers	In Stock		N/A	N/A
BDE - Unit 7 NEUTRAL GROUND RESISTOR	In Stock		N/A	N/A
BDE - Unit 7 NEUTRAL GROUND TRANSFORMER - transformer	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - BUSHING,LINK PIN	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - CAP,SHEARPIN	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - LEVER,WICKET GATE	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - Linkage	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - PIN,ECCENTRIC P005	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - PIN,LINK P006	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - PIN,ROD SHEARPIN	In Stock		N/A	N/A
BDE - Unit 7 OPERATING RING - PIN,UPPER DRIVE	In Stock		N/A	N/A
BDE - Unit 7 PMG - BALLARM,SPEED SWITCH	In Stock		N/A	N/A
BDE - Unit 7 PMG - BEARING,PMG P/N Z995205	In Stock		N/A	N/A
BDE - Unit 7 PMG - BEARING,SPEED SIGNAL	In Stock		N/A	N/A
BDE - Unit 7 PMG - BEARING,WW 111006	In Stock		N/A	N/A
BDE - Unit 7 PMG - BEARING,WW 1800125	In Stock		N/A	N/A
BDE - Unit 7 PMG - BUSHING, OILITE OVERSPEED SWITCH ASSEMBLY	In Stock		N/A	N/A
BDE - Unit 7 PMG - BUSHING,URETHANE LOWER D	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - Unit 7 PMG - BUSHING, URETHANE UPPER D	In Stock		N/A	N/A
BDE - Unit 7 PMG - PIN,BALLARM	In Stock		N/A	N/A
BDE - Unit 7 PMG - PIN,DOWEL - SPEED SWITCH	In Stock		N/A	N/A
BDE - Unit 7 PMG - PIN,ROCKER ARM	In Stock		N/A	N/A
BDE - Unit 7 PMG - PIN,TAPERED	In Stock		N/A	N/A
BDE - Unit 7 PMG - PLATE,MOUNTING - MERCURY	In Stock		N/A	N/A
BDE - Unit 7 PMG - RING,ROTOR	In Stock		N/A	N/A
BDE - Unit 7 PMG - SPRING,SPEED SWITCH	In Stock		N/A	N/A
BDE - Unit 7 PMG - STATOR,P.M.G.	In Stock		N/A	N/A
BDE - Unit 7 RECTIFYING TRANSFORMER	In Stock		N/A	N/A
BDE - Unit 7 ROTOR - Pole	In Stock		N/A	N/A
BDE - Unit 7 ROTOR ASSEMBLY - POLE	In Stock		N/A	N/A
BDE - Unit 7 RUNNER - TURBINE - CARBON SEAL	In Stock		N/A	N/A
BDE - Unit 7 SERVOMOTOR # 1 - PACKING,SERVOMOTOR	In Stock		N/A	N/A
BDE - Unit 7 SERVOMOTOR # 1 - PACKING, V TYPE 2-EASY	In Stock		N/A	N/A
BDE - Unit 7 SERVOMOTOR # 1 - PACKING,V-TYPE 9"X8"ID	In Stock		N/A	N/A
BDE - Unit 7 SERVOMOTOR # 1 - Piston Ring	In Stock		N/A	N/A
BDE - UNIT 7 Slip Ring	In Stock		N/A	N/A
BDE - Unit 7 SLIPRING/BRUSH RIGGING - Brushes	In Stock		N/A	N/A
BDE - Unit 7 SLIPRING/BRUSH RIGGING - Collector rings	In Stock		N/A	N/A
BDE - Unit 7 Spare Pole	In Stock		N/A	N/A
BDE - Unit 7 STATOR WINDINGS - Stator Bars	In Stock		N/A	N/A
BDE - Unit 7 STATOR WINDINGS - Wedges	In Stock		N/A	N/A
BDE - Unit 7 SURFACE AIR COOLERS - Tubes	In Stock		N/A	N/A
BDE - Unit 7 THRUST BEARING - Rotating Ring	In Stock		N/A	N/A
BDE - Unit 7 THRUST BEARING - Thrust Pads	In Stock		N/A	N/A
BDE - Unit 7 THRUST/GUIDE BEARING COOLERS - Coolers	In Stock		N/A	N/A
BDE - UNIT 7 TURBINE - Carbon Seal	In Stock		N/A	N/A
BDE - UNIT 7 TURBINE - turbine bearing	In Stock		N/A	N/A
BDE - UNIT 7 TURBINE - wicket gate	In Stock		N/A	N/A
BDE - Unit 7 TURBINE GUIDE BEARING - bearing	In Stock		N/A	N/A
BDE - Unit 7 VIBRATION MONITORING - PICK-UP, NON-CONTACT	In Stock		N/A	N/A
BDE - Unit 7 VIBRATION MONITORING - PICK-UP, SPEED SENSING	In Stock		N/A	N/A
BDE - Unit 7 VIBRATION MONITORING - POWER SUPPLY,IRD PCB 29128	In Stock		N/A	N/A
BDE - Unit 7 WICKET GATES - GATE, WICKET	In Stock		N/A	N/A
BDE - VALVE,1" THERMAL TRIP	In Stock		N/A	N/A
BDE - VALVE,CONT.:1/2 4-WAY SS	In Stock		N/A	N/A
BDE - VALVE,CONT.:1/2 4-WAY SS	In Stock		N/A	N/A
BDE - VALVE,CONT.:1/2" 4-WAY SS	In Stock		N/A	N/A
BDE - VALVE,CONT.:1/2" 4-WAY SS	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - VALVE,CONTROL 1" SS	In Stock		N/A	N/A
BDE - VALVE,CONTROL 1" SS	In Stock		N/A	N/A
BDE - VALVE,CONTROL 2" SS	In Stock		N/A	N/A
BDE - VALVE,CONTROL 2" SS	In Stock		N/A	N/A
BDE - VALVE,CONTROL 2" SS	In Stock		N/A	N/A
BDE - VALVE,CONTROL 2" SS	In Stock		N/A	N/A
BDE - WICKET GATES AND LINKAGES - PACKING,V TYPE 2-EASY	In Stock		N/A	N/A
BDE - WICKET GATES AND LINKAGES - PIN,ECCENTRIC	In Stock		N/A	N/A
BDE - WICKET GATES AND LINKAGES - RING,PISTON SERVO MOTOR 1.8"OD	In Stock		N/A	N/A
BDE - WICKET GATES AND LINKAGES - Shear Pins	In Stock		N/A	N/A
CAT - ACCUMULATOR TANK - Air Admission Valve	In Stock		N/A	N/A
CAT - ACCUMULATOR TANK - COIL AUTO AIR CHARGING SOUND	In Stock		N/A	N/A
CAT - ARC-CHUTE ABB #15DA045697R1	In Stock		N/A	N/A
CAT - ARC-CHUTE STATION SERVICE, 3 PHASE, 600V	In Stock		N/A	N/A
CAT - BEARING KIT,IR 32127516	In Stock		N/A	N/A
CAT - BEARING, GUIDE	In Stock		N/A	N/A
CAT - BEARING,BOWL - INTERMEDIATE	In Stock		N/A	N/A
CAT - BEARING,BOWL - TOP	In Stock		N/A	N/A
CAT - BEARING,BRIER HYD33A66	In Stock		N/A	N/A
CAT - BEARING,LINESHAFT	In Stock		N/A	N/A
CAT - BEARING,STUFFING BOX	In Stock		N/A	N/A
CAT - BEARING,SUCTION CASE	In Stock		N/A	N/A
CAT - BELT, V IR 95100558	In Stock		N/A	N/A
CAT - BOARD, CONTROL	In Stock		N/A	N/A
CAT - BOARD, DIGITAL I/O	In Stock		N/A	N/A
CAT - BOARD, I/O ANALOG	In Stock		N/A	N/A
CAT - BOARD, MEASURING ABB	In Stock		N/A	N/A
CAT - BOARD, POWER SYSTEM STABI	In Stock		N/A	N/A
CAT - BRAKING JET ASSEMBLY - Control Valve	In Stock			
CAT - BREAKER, EXCITER ABB	In Stock		N/A	N/A
CAT - BREAKERS BY BROWN BOVERI, 600V - spare field breaker in used spare exciter	In Stock		N/A	N/A
CAT - Cartridge, Oil Separator	In Stock		N/A	N/A
CAT - COIL, CONTACTOR 130 V 84D418	In Stock		N/A	N/A
CAT - COIL, SHUNT CLOSING	In Stock		N/A	N/A
CAT - COIL, SHUNT OPENING	In Stock		N/A	N/A
CAT - COLLAR,SAND	In Stock		N/A	N/A
CAT - CONTACT, NORMAL LONG 700C	In Stock		N/A	N/A
CAT - CONTACT, NORMAL SHORT 700	In Stock		N/A	N/A
CAT - CONTACT, OVERLAP LONG 700	In Stock		N/A	N/A
CAT - CONTACT, OVERLAP SHORT 70	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
CAT - CONTACT, I SOLATING	In Stock		N/A	N/A
CAT - CONTROLLER, PLC DI05	In Stock		N/A	N/A
CAT - Electronic Governor - BUSHING CABLE PROP VLV,	In Stock		N/A	N/A
CAT - Electronic Governor - CONNECTOR, MILD T ROD BALL	In Stock		N/A	N/A
CAT - Electronic Governor - CONVERTER, SERIAL, ETHERNET	In Stock		N/A	N/A
CAT - Electronic Governor - Deflector, proportional	In Stock		N/A	N/A
CAT - Electronic Governor - Guide Ball Slide	In Stock		N/A	N/A
CAT - Electronic Governor - HOLDER, CIRCUIT BREAKER	In Stock		N/A	N/A
CAT - Electronic Governor - INTERFACE, ETHERNET VERSA	In Stock		N/A	N/A
CAT - Electronic Governor - LVDT deflector	In Stock		N/A	N/A
CAT - Electronic Governor - MODULE, GE AMPLIFIER	In Stock		N/A	N/A
CAT - Electronic Governor - MODULE, GE PT INTERFACE	In Stock		N/A	N/A
CAT - Electronic Governor - MODULE, PLUG-IN DIODE	In Stock		N/A	N/A
CAT - Electronic Governor - MODULE, VERSAMAX 16 PT	In Stock		N/A	N/A
CAT - Electronic Governor - MODULE, VERSAMAX 32 PT	In Stock		N/A	N/A
CAT - Electronic Governor - MODULE, VERSAMAX 4 AO	In Stock		N/A	N/A
CAT - Electronic Governor - PC, Atlas 2	In Stock		N/A	N/A
CAT - Electronic Governor - PC, ATLAS VX WORKS	In Stock		N/A	N/A
CAT - Electronic Governor - Pos.Xducer	In Stock		N/A	N/A
CAT - Electronic Governor - POS.Xducer	In Stock		N/A	N/A
CAT - Electronic Governor - PROBE, SPEED ZVPU	In Stock		N/A	N/A
CAT - Electronic Governor - RELAY, 14 PIN PLUG 24VDC	In Stock		N/A	N/A
CAT - Electronic Governor - Rod vdeflector	In Stock		N/A	N/A
CAT - Electronic Governor - VERSAMAX powersupply	In Stock		N/A	N/A
CAT - Element, Air Filter	In Stock		N/A	N/A
CAT - ELEMENT, AFTER FILTER	In Stock		N/A	N/A
CAT - ELEMENT, AIR FILTER	In Stock		N/A	N/A
CAT - ELEMENT, PRE FILTER	In Stock		N/A	N/A
CAT - EXCITATION TRF	In Stock		N/A	N/A
CAT - Exciter # 1 - BOARD POWER SYSTEM STABI,	In Stock		N/A	N/A
CAT - Exciter # 1 - DIGITAL I/O BOARD,	In Stock		N/A	N/A
CAT - Exciter # 1 - Arc Chute	In Stock		N/A	N/A
CAT - Exciter # 1 - BOARD MEASURING,	In Stock		N/A	N/A
CAT - Exciter # 1 - Breaker	In Stock		N/A	N/A
CAT - Exciter # 1 - COIL, SHUNT CLOSING	In Stock		N/A	N/A
CAT - Exciter # 1 - COIL, SHUNT OPENING	In Stock		N/A	N/A
CAT - Exciter # 1 - CONTACT, ISOLATING	In Stock		N/A	N/A
CAT - Exciter # 1 - Control Board	In Stock		N/A	N/A
CAT - Exciter # 1 - I/O ANALOG BOARD CONTROL,	In Stock		N/A	N/A
CAT - Exciter # 1 - MODULE, THYRISTOR BRIDGE	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
CAT - Exciter # 1 - MOTOR,CHARGING	In Stock		N/A	N/A
CAT - Exciter # 1 - PANEL,CONTROL	In Stock		N/A	N/A
CAT - Exciter # 1 - SUPPLY,110-220 VOLT	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - Analog Input Transducer	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB 1WX 174-2,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB HIER319619R2,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB KX9170A V1,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN 2010B-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0016A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0025A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0026A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0027A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0031A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN004A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0079A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0083A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0089A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0091A-P,CARD ABB UN0093A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0503A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0510C-9,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0516A,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0900B-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN0901B-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN1001C-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN1004A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN1024C-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UNC001D-E,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UNS0026A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD BBC UN0077AP,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD,BBC UN2001F-P	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD\ ABB UN0014B-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD\ ABB UN1004A-P,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - COIL,125 VOLT 60HZ	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - COIL,SHUNT CLOSING	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CONTROL BOARD,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - Field Voltage Transducer	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - Fuse 600Amp	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - Shunt Voltage Transducer	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - Thyristor	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - Transformer	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
CAT - EXCITER NO. 2 - Unitrol Card	In Stock		N/A	N/A
CAT - Filter, Mat	In Stock		N/A	N/A
CAT - Filter, Oil	In Stock		N/A	N/A
CAT - FILTER,AIR INTAKE - 101T	In Stock		N/A	N/A
CAT - FILTER,ELEMENT 10 MICRON	In Stock		N/A	N/A
CAT - FLOAT - 2315	In Stock		N/A	N/A
CAT - GASKET SET, IR 30423339	In Stock	Item #68001594	N/A	N/A
CAT - GENERATOR - Brake ring	In Stock	Item #58608396	N/A	N/A
CAT - GENERATOR - Brake Solenoid	In Stock	Item #65300060	N/A	N/A
CAT - GENERATOR - Brake valve	In Stock	Item #68001592	N/A	N/A
CAT - GENERATOR - INSLTR,SLIP RING	In Stock	Item #68001591	N/A	N/A
CAT - GENERATOR - MODULE,TYP 1CD 108 M 2-02 vibro-meter	In Stock	Item #60101058	N/A	N/A
CAT - GENERATOR - OVERCURRENT relay	In Stock		N/A	N/A
CAT - GENERATOR - RELAY,TIME DELAY .6 - 1.0	In Stock	Item #58800486	N/A	N/A
CAT - GENERATOR - rotating ring	In Stock	Item #68001626	N/A	N/A
CAT - Generator Bearing - Cooler	In Stock		N/A	N/A
CAT - Governor - JOINT, UNIVERSAL SSG #1787058	In Stock		N/A	N/A
CAT - Governor Control System - CABLE DEFLECTOR FDBK AMP	In Stock		N/A	N/A
CAT - Governor Control System - CABLE FEEDBACK 20'	In Stock		N/A	N/A
CAT - Governor Control System - CABLE FEEDBACK 200'	In Stock		N/A	N/A
CAT - Governor Control System - CABLE FEEDBACK 50'	In Stock		N/A	N/A
CAT - Governor Control System - CABLE PROPORTIONAL VLV	In Stock		N/A	N/A
CAT - Governor Control System - CABLE,NEEDLE FDBK AMP,	In Stock		N/A	N/A
CAT - Governor Control System - CABLE90 DEG.5' ZVPU,	In Stock		N/A	N/A
CAT - Governor Control System - Power Supply	In Stock		N/A	N/A
CAT - Governor Control System - Power Supply 24V	In Stock		N/A	N/A
CAT - Governor Hydraulics - Cooler	In Stock		N/A	N/A
CAT - Governor Hydraulics - Deflector valve	In Stock		N/A	N/A
CAT - Governor Hydraulics - DEFLECTOR,SERVOMOTOR	In Stock		N/A	N/A
CAT - Governor Hydraulics - ELEMENT,FILTER SM 10	In Stock		N/A	N/A
CAT - Governor Hydraulics - ELEMENT,FILTER SM 25	In Stock		N/A	N/A
CAT - Governor Hydraulics - OIL,TURBINE 46 (205L)	In Stock		N/A	N/A
CAT - Governor Hydraulics - Piston seal 725X8 X3/8	In Stock		N/A	N/A
CAT - Governor Hydraulics - Piston seal 9X8X1/2	In Stock		N/A	N/A
CAT - Governor Hydraulics - PLUG,C/V 010168-390-163	In Stock		N/A	N/A
CAT - Governor Hydraulics - PLUG,C/V 021002-281-208	In Stock		N/A	N/A
CAT - Governor Hydraulics - PLUG,ESCHER WYSS	In Stock		N/A	N/A
CAT - Governor Hydraulics - Pressure Switch	In Stock		N/A	N/A
CAT - Governor Hydraulics - Seal	In Stock		N/A	N/A
CAT - Governor Pumps - INSERT,CURVED JAW SPIDER	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
CAT - Governor Pumps - Pump	In Stock		N/A	N/A
CAT - Guide Bearing Segments - Bearing	In Stock		N/A	N/A
CAT - Isolated Phase Bus - PT fuse	In Stock		N/A	N/A
CAT - Lightning Arrestor - Surge Suppressor	In Stock		N/A	N/A
CAT - MODULE, THYRISTOR BRIDGE	In Stock		N/A	N/A
CAT - MODULE, THYRISTOR BRIDGE	In Stock		N/A	N/A
CAT - MOTOR, CHARGING	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - Amplifier/proportional	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - BUSHING NOZZLE 374527007/P001	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - CABLE AIRCRAFT 20,	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - CABLE AIRCRAFT,	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - Casing guide D/S	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - Casing guide U/S	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - CHAIN,DBS FCS-A1-15	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - CONNECTOR, MINIATURE CHAIN	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - CONNECTOR, MINIATURE CHAIN	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - CONTROL DEVICE,NEEDLE	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - Needle seat	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - Seal	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - seal piston ring	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - Shuttle Valve	In Stock		N/A	N/A
CAT - NEEDLE VALVE ASS (6) - Tip	In Stock		N/A	N/A
CAT - Oil, Cooling Compressor	In Stock		N/A	N/A
CAT - OIL,TURBINE 46 (205L)	In Stock		N/A	N/A
CAT - OPERATOR, WORM GEAR 8"	In Stock		N/A	N/A
CAT - O-RING, NOZZLE M868 X 4	In Stock		N/A	N/A
CAT - PANEL, CONTROL	In Stock		N/A	N/A
CAT - PISTON/PIN ASSY, IR 30215222	In Stock		N/A	N/A
CAT - PISTON/PIN ASSY, IR 30215438	In Stock		N/A	N/A
CAT - PISTON/PIN ASSY, IR 30292460	In Stock		N/A	N/A
CAT - POTENTIAL TRANSFORMER	In Stock		N/A	N/A
CAT - POWER SUPPLY, 110-220 VOLT	In Stock		N/A	N/A
CAT - POWER TUNNEL (ROCKCUT) - Seal, Adit Door	In Stock		N/A	N/A
CAT - RECTIFIER, BRIDGE 250IB6L-8338	In Stock		N/A	N/A
CAT - RECTIFIER, BRIDGE 35MB60A-8419	In Stock		N/A	N/A
CAT - RECTIFIER, BRIDGE 35MB60A-8421	In Stock		N/A	N/A
CAT - RELAY, ASEA RXSF1, RK271 0	In Stock		N/A	N/A
CAT - RING SET, IR 32194144	In Stock		N/A	N/A
CAT - RING SET, IR 32194276	In Stock		N/A	N/A
CAT - RING SET, IR 37138146	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
CAT - RING/GASKET KIT, IR 32133969	In Stock		N/A	N/A
CAT - Rotating Ring	In Stock		N/A	N/A
CAT - Rotating Ring	In Stock		N/A	N/A
CAT - Rotating Ring	In Stock		N/A	N/A
CAT - ROTOR - GENERATOR - Pole	In Stock		N/A	N/A
CAT - Rotor Poles - Entire Pole	In Stock		N/A	N/A
CAT - SEAL, OIL IR 32204562	In Stock		N/A	N/A
CAT - SEAL, SPHERICAL VALVE	In Stock		N/A	N/A
CAT - SEAL, SPHERICAL VALVE	In Stock		N/A	N/A
CAT - SEAL, SPHERICAL VALVE	In Stock		N/A	N/A
CAT - Slipring/brush Rrigging Assembly - Brush Holder	In Stock		N/A	N/A
CAT - Slipring/brush Rrigging Assembly - Brushes	In Stock		N/A	N/A
CAT - Slipring/brush Rrigging Assembly - Insulator	In Stock		N/A	N/A
CAT - Slipring/brush Rrigging Assembly - Ring, Collector Assembly	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - Arc Chute	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - COIL,CLOSING 129 V DC	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - Contact 1600Amp	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - Contact Moving Arc	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - Contat Stationary Arc	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - CT 400-800	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - CT 800-1600	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - Main Drawout Contact	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - Trip Coil	In Stock		N/A	N/A
CAT - STATION SERVICE SYSTEM - Undervoltage Coil	In Stock		N/A	N/A
CAT - Stator Assembly - BAR STATOR BOTTOM,	In Stock		N/A	N/A
CAT - Stator Assembly - BAR STATOR TOP,	In Stock		N/A	N/A
CAT - Stator Assembly - CAP STATOR WINDING END,	In Stock		N/A	N/A
CAT - Stator Assembly - Connector	In Stock		N/A	N/A
CAT - Stator Assembly - JUMPER,STATOR ASM 105	In Stock		N/A	N/A
CAT - Stator Assembly - JUMPER,STATOR ASM 107	In Stock		N/A	N/A
CAT - Stator Assembly - JUMPER,STATOR ASM 108	In Stock		N/A	N/A
CAT - Stator Assembly - JUMPER,STATOR ASM 109	In Stock		N/A	N/A
CAT - Stator Assembly - JUMPER,STATOR WINDING	In Stock		N/A	N/A
CAT - Stator Assembly - JUMPER,STATOR WINDING	In Stock		N/A	N/A
CAT - Stator Assembly - JUMPER,STATOR WINDING	In Stock		N/A	N/A
CAT - Stator Assembly - Slider	In Stock		N/A	N/A
CAT - Stator Assembly - Slider	In Stock		N/A	N/A
CAT - Stator Assembly - Slider	In Stock		N/A	N/A
CAT - Stator Assembly - Wedge	In Stock		N/A	N/A
CAT - Stator Assembly - Wedge	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
CAT - Stator Windings - JUMPER,STATOR ASM 105	In Stock		N/A	N/A
CAT - Stator Windings - JUMPER,STATOR ASM 107	In Stock		N/A	N/A
CAT - Stator Windings - JUMPER,STATOR ASM 108	In Stock		N/A	N/A
CAT - Stator Windings - JUMPER,STATOR ASM 109	In Stock		N/A	N/A
CAT - Stator Windings - JUMPER,STATOR WINDING	In Stock		N/A	N/A
CAT - Stator Windings - JUMPER,STATOR WINDING	In Stock		N/A	N/A
CAT - Stator Windings - JUMPER,STATOR WINDING	In Stock		N/A	N/A
CAT - SURFACE AIR COOLERS - Surface Air Cooler	In Stock		N/A	N/A
CAT - SWITCH,DIFFERENTIAL PRES	In Stock		N/A	N/A
CAT - TEXT DISPLAY,AIR DRYER	In Stock		N/A	N/A
CAT - THRUST BEARING - thrust pads	In Stock		N/A	N/A
CAT - Thrust Bearing Segements - Segments	In Stock		N/A	N/A
CAT - Thrust Pads	In Stock		N/A	N/A
CAT - THYRISTOR, ABB CS411-20	In Stock		N/A	N/A
CAT - Turbine - Runner	In Stock		N/A	N/A
CAT - Turbine Guide Bearing - Bearing	In Stock		N/A	N/A
CAT - VALVE ASSEMBLY 35 GA	In Stock		N/A	N/A
CAT - VALVE ASSEMBLY 55 GA	In Stock		N/A	N/A
CAT - VALVE/GASKET KIT, IR 32133951	In Stock		N/A	N/A
Cat-minimal pressure Valve	In Stock		N/A	N/A
Cat-Turbine Bearing Cooler	In Stock		N/A	N/A
EBBE - GEAR,HANDWHEEL	In Stock		N/A	N/A
EBBE - GEAR,HELICAL SET	In Stock		N/A	N/A
EBBE - GEAR,WORM 16:1 RATIO	In Stock		N/A	N/A
EBBE - LINK,DECLUTCH	In Stock		N/A	N/A
EBBE - PIN,FORK PIVOT	In Stock		N/A	N/A
GCL - Bar, Stator Bottom	In Stock		N/A	N/A
GCL - Bar, Stator Top	In Stock		N/A	N/A
GCL - Base, Smoke Detector	In Stock		N/A	N/A
GCL - Bearing, Guide GE	In Stock		N/A	N/A
GCL - Bearing, Pivoted Guide	In Stock		N/A	N/A
GCL - Bearing, Pivoted Guide GE	In Stock		N/A	N/A
GCL - Bearing, Thrust	In Stock		N/A	N/A
GCL - Bearing, Thrust	In Stock		N/A	N/A
GCL - Bell, Fire Alarm 10"	In Stock		N/A	N/A
GCL - BELT SET, V (4 PC)	In Stock		N/A	N/A
GCL - BELT SET, V (4 PC)	In Stock		N/A	N/A
GCL - BELT SET, V (4 PC)	In Stock		N/A	N/A
GCL - Breaker, Volt Autom	In Stock		N/A	N/A
GCL - Breaker, Volt Automatic	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
GCL - Brush, Carb Metric	In Stock		N/A	N/A
GCL - Bushing, Bottom Shaft	In Stock		N/A	N/A
GCL - Bushing, HV ABB TO25W0412AT	In Stock		N/A	N/A
GCL - Bushing, Packing Gland	In Stock		N/A	N/A
GCL - Card Measuring SDCS-Pin51	In Stock		N/A	N/A
GCL - Card, Analog I/O	In Stock		N/A	N/A
GCL - Card, Digital I/O ABB	In Stock		N/A	N/A
GCL - Card, EXT I/O ABB	In Stock		N/A	N/A
GCL - CMU	In Stock		N/A	N/A
GCL - Contactor, AE LINE 125VDC	In Stock		N/A	N/A
GCL - Control Board, SDCS-CON-2	In Stock		N/A	N/A
GCL - Detector, heat 135F	In Stock		N/A	N/A
GCL - Detector, Heat 281B-PL	In Stock		N/A	N/A
GCL - Detector, Smoke EC30DU-3	In Stock		N/A	N/A
GCL - Device, Surge Suppression	In Stock		N/A	N/A
GCL - ETH Card	In Stock		N/A	N/A
GCL - Excitation Transformer	In Stock		N/A	N/A
GCL - Fan, Cooling 27" ABB	In Stock		N/A	N/A
GCL - FILTER, AIR CARTRIDGE	In Stock		N/A	N/A
GCL - FILTER, AIR CARTRIDGE	In Stock		N/A	N/A
GCL - FILTER, AIR CARTRIDGE	In Stock		N/A	N/A
GCL - FILTER, ELEMENT	In Stock		N/A	N/A
GCL - FILTER, ELEMENT	In Stock		N/A	N/A
GCL - FILTER, ELEMENT	In Stock		N/A	N/A
GCL - FILTER, INLINE	In Stock		N/A	N/A
GCL - FILTER, INLINE	In Stock		N/A	N/A
GCL - FILTER, INLINE	In Stock		N/A	N/A
GCL - FILTER, INLINE	In Stock		N/A	N/A
GCL - FILTER, INLINE	In Stock		N/A	N/A
GCL - FILTER, MAT	In Stock		N/A	N/A
GCL - FILTER, MAT	In Stock		N/A	N/A
GCL - FILTER, MAT	In Stock		N/A	N/A
GCL - FILTER, OIL KAESER	In Stock		N/A	N/A
GCL - FILTER, OIL KAESER	In Stock		N/A	N/A
GCL - FILTER, OIL KAESER	In Stock		N/A	N/A
GCL - Fuse,1250A 690V 170M6166	In Stock		N/A	N/A
GCL - Gas, Inergen (350F3)	In Stock		N/A	N/A
GCL - Gas, inergen (425F3)	In Stock		N/A	N/A
GCL - Generator - Bottom Stator Bars (18)	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
GCL - Generator - Converter, RTD Temperature	In Stock		N/A	N/A
GCL - Generator - Converter, RTD Universal	In Stock		N/A	N/A
GCL - Generator - Creep Detector ASSY, 129 V	In Stock		N/A	N/A
GCL - Generator - Device, Surge Suppression	In Stock		N/A	N/A
GCL - Generator - Fuse, TEMP Limiter	In Stock		N/A	N/A
GCL - Generator - Fuse, Voltage XFMR	In Stock		N/A	N/A
GCL - Generator - Guide Bearing, GE	In Stock		N/A	N/A
GCL - Generator - Jumper Pole ASM #2	In Stock		N/A	N/A
GCL - Generator - Jumper Pole ASM #3	In Stock		N/A	N/A
GCL - Generator - Jumper Pole ASM #4	In Stock		N/A	N/A
GCL - Generator - Jumper, Pole ASM #1	In Stock		N/A	N/A
GCL - Generator - Level, Indicator Magnetic	In Stock		N/A	N/A
GCL - Generator - Oil, Turbine 46 (205L)	In Stock		N/A	N/A
GCL - Generator - Packing, V-Type GE	In Stock		N/A	N/A
GCL - Generator - Pin, Taper 25MM x 90MM	In Stock		N/A	N/A
GCL - Generator - Plate, Brake GE	In Stock		N/A	N/A
GCL - Generator - Plate, Locating Pivoted	In Stock		N/A	N/A
GCL - Generator - Pole, Wound GE	In Stock		N/A	N/A
GCL - Generator - Probe, 741 GE	In Stock		N/A	N/A
GCL - Generator - RTD, 12.5" -50-550 DEG	In Stock		N/A	N/A
GCL - Generator - RTD, 17" -50-550 DEG C	In Stock		N/A	N/A
GCL - Generator - Top Stator Bars (36)	In Stock		N/A	N/A
GCL - Governor Control System - POWER SUPPLY,18-32VDC	In Stock		N/A	N/A
GCL - Governor Control System - Pressure Switch	In Stock		N/A	N/A
GCL - Governor Control System - TRANSMITTER,PRESS 0-2000	In Stock		N/A	N/A
GCL - Governor Control System - TRANSMITTER,TEMP 4-20 MA	In Stock		N/A	N/A
GCL - Governor Hydraulic System - Filter, Element NS-7	In Stock		N/A	N/A
GCL - Governor Hydraulic System - Joint, Shaft Parker	In Stock		N/A	N/A
GCL - Governor Hydraulic System - Pump, Vane Vick	In Stock		N/A	N/A
GCL - Governor Hydraulic System - Seal, Polypak "U" Cup	In Stock		N/A	N/A
GCL - Governor Hydraulic System - Valve, Check 1 6000 psi	In Stock		N/A	N/A
GCL - Governor Hydraulic System - Valve, Proportional	In Stock		N/A	N/A
GCL - Governor Hydraulic System - Valve, Relief	In Stock		N/A	N/A
GCL - Holder, Brush Metric	In Stock		N/A	N/A
GCL - Inflatable Seal	In Stock		N/A	N/A
GCL - Jumper, Pole ASM #1	In Stock		N/A	N/A
GCL - Jumper, Pole ASM #2	In Stock		N/A	N/A
GCL - Jumper, Pole ASM #3	In Stock		N/A	N/A
GCL - Jumper, Pole ASM #4	In Stock		N/A	N/A
GCL - Key, Pole Driven	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
GCL - Key, Pole Stationary	In Stock		N/A	N/A
GCL - Locating Plate, Pivoted	In Stock		N/A	N/A
GCL - LVDT	In Stock		N/A	N/A
GCL - Measuring Board ABB	In Stock		N/A	N/A
GCL - Media converter	In Stock		N/A	N/A
GCL - MLDT	In Stock		N/A	N/A
GCL - Module, Control Relay	In Stock		N/A	N/A
GCL - Module, Serial processor	In Stock		N/A	N/A
GCL - Nut, Hex M30X3.5-6H	In Stock		N/A	N/A
GCL - Oil, Turbine 46 (205L)	In Stock		N/A	N/A
GCL - Operating Ring - BUSHING,GE 226043126X015	In Stock		N/A	N/A
GCL - Operating Ring - Washer, Ring Seal	In Stock		N/A	N/A
GCL - Panel, Service UNS 0874A-P	In Stock		N/A	N/A
GCL - PIN,TAPER 25MM X 90MM	In Stock		N/A	N/A
GCL - Pole, Wound GE	In Stock		N/A	N/A
GCL - POTENTIAL TRANSFORMER	In Stock		N/A	N/A
GCL - Power Supply	In Stock		N/A	N/A
GCL - Power Supply, SDCS-POWL	In Stock		N/A	N/A
GCL - PowerSupply, UNS0868A-P	In Stock		N/A	N/A
GCL - Probe, 741 GE	In Stock		N/A	N/A
GCL - Pump, Vane Vick	In Stock		N/A	N/A
GCL - Relay, Low Voltage	In Stock		N/A	N/A
GCL - Relay, Overload	In Stock		N/A	N/A
GCL - Relay, Overload 0.32-1.0A	In Stock		N/A	N/A
GCL - Relay, Overload 1.6-5.0A	In Stock		N/A	N/A
GCL - Relay, Overload 3.7-12A	In Stock		N/A	N/A
GCL - RELAY,11 PIN 24V	In Stock		N/A	N/A
GCL - RELAY,110-125V	In Stock		N/A	N/A
GCL - RELAY,110-125V ABB	In Stock		N/A	N/A
GCL - RELAY,110-125VDC	In Stock		N/A	N/A
GCL - RELAY,120V 10A DPDT	In Stock		N/A	N/A
GCL - RELAY,14 PIN 110/120VAC	In Stock		N/A	N/A
GCL - RELAY,8 PIN 110/120VAC(S)	In Stock		N/A	N/A
GCL - RELAY,8 PIN 120V AC/DC	In Stock		N/A	N/A
GCL - RELAY,8 PIN DPDT	In Stock		N/A	N/A
GCL - RELAY,ANTI-PUMP	In Stock		N/A	N/A
GCL - RELAY,AUX 48VDC	In Stock		N/A	N/A
GCL - RELAY,BREAKER FAIL	In Stock		N/A	N/A
GCL - RELAY,BUSHHOLZ 250V 2AMP	In Stock		N/A	N/A
GCL - RELAY,CONTROL 120V 60HZ	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
GCL - RELAY,CONTROL 120V 60HZ	In Stock		N/A	N/A
GCL - RELAY,CONTROL 120V 60HZ	In Stock		N/A	N/A
GCL - RELAY,CONTROL 125VDC	In Stock		N/A	N/A
GCL - RELAY,CONTROL 24VDC	In Stock		N/A	N/A
GCL - RELAY,FAST TRIPPING 125V	In Stock		N/A	N/A
GCL - RELAY,INTERPOSING	In Stock		N/A	N/A
GCL - RELAY,LOCKOUT 125V	In Stock		N/A	N/A
GCL - RELAY,LOCKOUT 125V	In Stock		N/A	N/A
GCL - RELAY,OVERCURRENT	In Stock		N/A	N/A
GCL - RELAY,OVERLOAD	In Stock		N/A	N/A
GCL - RELAY,OVERLOAD CH C306DN3B	In Stock		N/A	N/A
GCL - RELAY,PLUG-IN 14 PIN	In Stock		N/A	N/A
GCL - RELAY,PLUG-IN 14 PIN DC	In Stock		N/A	N/A
GCL - RELAY,PUSHBUTTON 110V	In Stock		N/A	N/A
GCL - RELAY,PUSHBUTTON 125V	In Stock		N/A	N/A
GCL - RELAY,RESIDUAL	In Stock		N/A	N/A
GCL - RELAY,THERMISTOR 110V	In Stock		N/A	N/A
GCL - RELAY,TIME 24-230V AC/DC	In Stock		N/A	N/A
GCL - RELAY,TIME TYPE SGM-1	In Stock		N/A	N/A
GCL - RELAY,TRIP CIRCUIT	In Stock		N/A	N/A
GCL - RELAY,VOLTAGE UNBALANCE	In Stock		N/A	N/A
GCL - Ring Assembly, Collector	In Stock		N/A	N/A
GCL - Ring Assy, Collector	In Stock		N/A	N/A
GCL - Ring, Rotating GE	In Stock		N/A	N/A
GCL - Ring, Sealing C/W Spring	In Stock		N/A	N/A
GCL - RTD, 12.5" -50-550 Deg	In Stock		N/A	N/A
GCL - RTD, 12.5" -50-550 Deg	In Stock		N/A	N/A
GCL - RTD, 17" -50-550 Deg C	In Stock		N/A	N/A
GCL - RTD, 17" -50-550 Deg C	In Stock		N/A	N/A
GCL - Runner - Seal, 770mm x 730mm x 25mm	In Stock		N/A	N/A
GCL - SCREW,CAP M30X3.5-6GX130MM	In Stock		N/A	N/A
GCL - Seal, Top Guide Bearing	In Stock		N/A	N/A
GCL - Servomotor - Rod, Seal H092-730	In Stock		N/A	N/A
GCL - Servomotor - Rod, Seal H254-918	In Stock		N/A	N/A
GCL - Servomotor Assembly - Ring, Piston GE	In Stock		N/A	N/A
GCL - Shim, GE 007	In Stock		N/A	N/A
GCL - Shim, GE 008	In Stock		N/A	N/A
GCL - Shoe, brake GE 6201B6815L005	In Stock		N/A	N/A
GCL - Sleeve, Shaft	In Stock		N/A	N/A
GCL - SOCKET,RELAY 14 PIN 5A	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
GCL - SOCKET,RELAY 8 PIN 7A	In Stock		N/A	N/A
GCL - Speed Signal Generator - Pickup, Zero Velocity	In Stock		N/A	N/A
GCL - Spring Assy, Thrust	In Stock		N/A	N/A
GCL - Spring, GE	In Stock		N/A	N/A
GCL - Spring, GE	In Stock		N/A	N/A
GCL - Strick, Joint Horz	In Stock		N/A	N/A
GCL - Strick, Joint Vert	In Stock		N/A	N/A
GCL - Surface Air Coolers - Cooler, Surface Air	In Stock		N/A	N/A
GCL - Switch, 20-160 ABB 104-324-46	In Stock		N/A	N/A
GCL - Switch, Press 200 PSI 15A	In Stock		N/A	N/A
GCL - Switch, Press Actuated	In Stock		N/A	N/A
GCL - Switch, Press Gran 20W	In Stock		N/A	N/A
GCL - Synchronizer	In Stock		N/A	N/A
GCL - Thermometer, ADJ 0-55	In Stock		N/A	N/A
GCL - THRISTOR, 5STP18F1800 V11	In Stock		N/A	N/A
GCL - Thrust/Guide Bearing Coolers - Coil, Cooling GE	In Stock		N/A	N/A
GCL - Transducer, Balluff Track	In Stock		N/A	N/A
GCL - TRANSMITTER, FRAZIL ICE	In Stock		N/A	N/A
GCL - Transmitter, PFM	In Stock		N/A	N/A
GCL - Transmitter, Temp 4-20 MA	In Stock		N/A	N/A
GCL - TRANSMITTER, WATER LEVEL	In Stock		N/A	N/A
GCL - Turbine Assembly - Packing Ring, Segment	In Stock		N/A	N/A
GCL - Turbine Assembly - Pad, Stop GE	In Stock		N/A	N/A
GCL - Turbine Assembly - Ring, Rotating GE	In Stock		N/A	N/A
GCL - Turbine Assembly - Ring, Sealing C/W Spring	In Stock		N/A	N/A
GCL - Turbine Assembly - Ring, Wear	In Stock		N/A	N/A
GCL - Turbine Assembly - Seal, Inflatable	In Stock		N/A	N/A
GCL - Turbine Assembly - Transmitter, Diff Pressure	In Stock		N/A	N/A
GCL - Turbine Assembly - Transmitter, Pressure 0-90 PSIG	In Stock		N/A	N/A
GCL - Turbine Assembly - Transmitter, Pressure -5TO55	In Stock		N/A	N/A
GCL - Turbine Assembly - Transmitter, Pressure GE	In Stock		N/A	N/A
GCL - Turbine Assembly - Valve, Check Wafer 12"D	In Stock		N/A	N/A
GCL - VALVE, CHECK PRESSURE	In Stock		N/A	N/A
GCL - VALVE, CHECK PRESSURE	In Stock		N/A	N/A
GCL - VALVE, CHECK PRESSURE	In Stock		N/A	N/A
GCL - Valve, Purge GE	In Stock		N/A	N/A
GCL - VALVE,INLET MAIN KIT	In Stock		N/A	N/A
GCL - VALVE,INLET MAIN KIT	In Stock		N/A	N/A
GCL - VALVE,INLET MAIN KIT	In Stock		N/A	N/A
GCL - VALVE,PURGE GE	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
GCL - Washer, Brake Plate	In Stock		N/A	N/A
GCL - Washer, GE 105000100	In Stock		N/A	N/A
GCL - Wicket Gates - Bushing, GE 226043126X015	In Stock		N/A	N/A
GCL - Wicket Gates - Gate, Wicket GE	In Stock		N/A	N/A
GCL - Wicket Gates - Level, Gate GE	In Stock		N/A	N/A
GCL - Wicket Gates - Lever, Shear GE	In Stock		N/A	N/A
GCL - Wicket Gates - Liner, Gate Operating	In Stock		N/A	N/A
GCL - Wicket Gates - Link, GE	In Stock		N/A	N/A
GCL - Wicket Gates - Pin, Eccentric	In Stock		N/A	N/A
GCL - Wicket Gates - Pin, Shear GE	In Stock		N/A	N/A
GCL - Wicket Gates - Pin, Taper GE	In Stock		N/A	N/A
GCL - Wicket Gates - Plate, Retaining GE	In Stock		N/A	N/A
GCL - Wicket Gates - Plate, Top GE	In Stock		N/A	N/A
GCL - Wicket Gates - Shim, Laminium	In Stock		N/A	N/A
GCL - Wicket Gates - Sleeve, BRS 210mm	In Stock		N/A	N/A
GCL - Wicket Gates - Spacer	In Stock		N/A	N/A
GCL - XFMR, CT 15 kV	In Stock		N/A	N/A
HLK - Accumulator tank Solinoid Valve	In Stock		N/A	N/A
HLK - ADAPTER,REMOTE I/O	In Stock		N/A	N/A
HLK - Ampmeter	In Stock		N/A	N/A
HLK - AUTO AIR CHARGING SOLND.	In Stock		N/A	N/A
HLK - BACKPLANE,10 SLOT MODICON	In Stock		N/A	N/A
HLK - BEARING KIT,	In Stock		N/A	N/A
HLK - BOARD,FIRING ES	In Stock		N/A	N/A
HLK - BREAKER,100 AMP 600 VOLT	In Stock		N/A	N/A
HLK - BREAKER,150A 600V	In Stock		N/A	N/A
HLK - BREAKER,225A 600V 3P	In Stock		N/A	N/A
HLK - BREAKER,600 VOLT 3 PHASE	In Stock		N/A	N/A
HLK - BRIDGE,THYRISTOR EG	In Stock		N/A	N/A
HLK - Card battery charger	In Stock		N/A	N/A
HLK - Card battery charger	In Stock		N/A	N/A
HLK - Card battery charger	In Stock		N/A	N/A
HLK - Card battery charger	In Stock		N/A	N/A
HLK - Card gate pulse	In Stock		N/A	N/A
HLK - CIRCUIT BREAKER - Anti-pump relay	In Stock		N/A	N/A
HLK - CIRCUIT BREAKER - Charging motor	In Stock		N/A	N/A
HLK - CIRCUIT BREAKER - Motor brush kit	In Stock		N/A	N/A
HLK - CIRCUIT BREAKER - Primary disconnect	In Stock		N/A	N/A
HLK - CIRCUIT BREAKER - Shunt trip coil	In Stock		N/A	N/A
HLK - CIRCUIT BREAKER - Spring release coil	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
HLK - COIL-AUTO AIR CHARGING SOLIND.	In Stock		N/A	N/A
HLK - CONTACT,AUX GE	In Stock		N/A	N/A
HLK - CONTACTOR,FURNAS	In Stock		N/A	N/A
HLK - Creep detector	In Stock		N/A	N/A
HLK - EXCITATION - Bridge (entire module)	In Stock		N/A	N/A
HLK - EXCITER FIELD BREAKER - Entire unit	In Stock		N/A	N/A
HLK - GASKET KIT, COMPAIR 45244	In Stock		N/A	N/A
HLK - GASKET KIT, COMPAIR 79452	In Stock		N/A	N/A
HLK - GENERATOR - brake shoes	In Stock		N/A	N/A
HLK - GENERATOR - Generator air valve	In Stock		N/A	N/A
HLK - GENERATOR - SOLENOID,GENERATOR AIR VALVE,	In Stock		N/A	N/A
HLK - GENERATOR CIRCUIT BREAKER	In Stock		N/A	N/A
HLK - GOVERNOR ACCUMULATOR TANK - Air admission solenoid	In Stock		N/A	N/A
HLK - GOVERNOR ACCUMULATOR TANK - Solenoid valve	In Stock		N/A	N/A
HLK - GOVERNOR ACCUMULATOR TANK - SWITCH PRESS OIL ALARM,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL RESET SOLENOID ,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL OIL PUMP UNLOADER SOLIND. ,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL PARTIAL SHUTDOWN RESET ,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL SHUTDOWN SOLENOID 65SD ,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - COILDASHPOT,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - filter	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - GATE LIMIT,ROD,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - PUMP UNLOADER,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - UNLOADER PISTON,	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - WOODWARD 1447- 634,motor	In Stock		N/A	N/A
HLK - GOVERNOR HYDRAULIC SYSTEM - WOODWARD 1447-640,MOTOR	In Stock		N/A	N/A
HLK - GOVERNOR SPEED GENERATOR - gear drive	In Stock		N/A	N/A
HLK - GOVERNOR SPEED GENERATOR - GEAR,WOODWARD 1447-640	In Stock		N/A	N/A
HLK - GOVERNOR SPEED GENERATOR - Speed switch bracket	In Stock		N/A	N/A
HLK - GUIDE BEARING SEGMENTS (SET) - BEARING,SEGMENT	In Stock		N/A	N/A
HLK - HD-IN - HINDS LAKE INTAKE - TRANSMITTER,PRESS 0-375	In Stock		N/A	N/A
HLK - HEADCOVER ASSEMBLY - BUSHING 60X75 MM,	In Stock		N/A	N/A
HLK - HEADCOVER ASSEMBLY - BUSHING GATE STEM - UPPER,	In Stock		N/A	N/A
HLK - HEADCOVER ASSEMBLY - BUSHING GATE STEM - LOWER,	In Stock		N/A	N/A
HLK - HEADCOVER ASSEMBLY - Bushing upper	In Stock		N/A	N/A
HLK - HEADCOVER ASSEMBLY - SEAL TURBINE,	In Stock		N/A	N/A
HLK - HEADCOVER ASSEMBLY - SEAL WICKET GATE,	In Stock		N/A	N/A
HLK - IMPELLER,DEWATERING PUMP	In Stock		N/A	N/A
HLK - IN FRAZIL ICE SYS - INTAKE - TRANSMITTER,TEMPERATURE	In Stock		N/A	N/A
HLK - INSERT, COMPAIR 38275	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
HLK - INTAKE HEADGATE AND HOIST EQUIP - Pressure druk	In Stock		N/A	N/A
HLK - ISOLATED PHASE BUS - PT fuse	In Stock		N/A	N/A
HLK - MECHANICAL GOVERNOR CONTROLS - Motor limit	In Stock		N/A	N/A
HLK - MECHANICAL GOVERNOR CONTROLS - Motor speeder	In Stock		N/A	N/A
HLK - MECHANICAL GOVERNOR CONTROLS - Unloader timing valve	In Stock		N/A	N/A
HLK - METER, FLOW BARTON	In Stock		N/A	N/A
HLK - MODULE, ANALOG QUANTUM	In Stock		N/A	N/A
HLK - MODULE, CPU MODICON	In Stock		N/A	N/A
HLK - MODULE, DISCRETE IN	In Stock		N/A	N/A
HLK - MODULE, DISCRETE OUT	In Stock		N/A	N/A
HLK - MODULE, ETHERNET QUANTUM	In Stock		N/A	N/A
HLK - MODULE, GPS QUANTUM	In Stock		N/A	N/A
HLK - MODULE, HOT STANDBY	In Stock		N/A	N/A
HLK - MODULE, INTERFACE PLC	In Stock		N/A	N/A
HLK - MODULE, RACK FILLER	In Stock		N/A	N/A
HLK - MODULE, RELAY OUT	In Stock		N/A	N/A
HLK - OPERATING RING - Bearing pads	In Stock		N/A	N/A
HLK - PANEL, CONTROL SCP/CCP	In Stock		N/A	N/A
HLK - PANEL, VOLTAGE ADJUSTER	In Stock		N/A	N/A
HLK - PLATE, TERMINAL 3 POLE	In Stock		N/A	N/A
HLK - PLATE, TERMINAL 6 POLE	In Stock		N/A	N/A
HLK - PMG Speed Switch Bracket	In Stock		N/A	N/A
HLK - POWER DISTRIBUTOR, ASSY	In Stock		N/A	N/A
HLK - POWER SUPPLY, 125-24 VDC	In Stock		N/A	N/A
HLK - POWER SUPPLY, 125 VDC	In Stock		N/A	N/A
HLK - POWER SUPPLY, 125VDC 8A	In Stock		N/A	N/A
HLK - POWER SUPPLY, 24 VDC	In Stock		N/A	N/A
HLK - POWER SUPPLY, CP-C-24/10.	In Stock		N/A	N/A
HLK - RECTIFYING TRANSFORMER	In Stock		N/A	N/A
HLK - RELAY, CONTROL 120V 60HZ	In Stock		N/A	N/A
HLK - RELAY, CONTROL 48V	In Stock		N/A	N/A
HLK - RELAY, CONTROL AB 500F-A0D92	In Stock		N/A	N/A
HLK - REMOTE I/O HEAD, MODICON	In Stock		N/A	N/A
HLK - RING SET ASSY, COMPAIR 48	In Stock		N/A	N/A
HLK - RING SET, COMPAIR 45237	In Stock		N/A	N/A
HLK - RING SET, WORTH P04643-10	In Stock		N/A	N/A
HLK - RING/GASKET KIT, IR 32133944	In Stock		N/A	N/A
HLK - Rotor - Pole	In Stock		N/A	N/A
HLK - Rotor Assembly - HLK Generator - Rotor pole	In Stock		N/A	N/A
HLK - SEAL, COMPAIR 13254	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
HLK - SEAT/SEAL KIT, VALVE 1-1/	In Stock		N/A	N/A
HLK - SERVOMOTOR #1 - servomotor repair kit	In Stock		N/A	N/A
HLK - SERVOMOTOR ASSEMBLY - shear pins	In Stock		N/A	N/A
HLK - Slip ring	In Stock		N/A	N/A
HLK - Slipring./Brush Rigging - Brush holder	In Stock		N/A	N/A
HLK - Slipring./Brush Rigging - Carbon brush	In Stock		N/A	N/A
HLK - SOLENOID,GENERATOR AIR VALVE	In Stock		N/A	N/A
HLK - STATION SERVICE SWITCHGEAR - Breaker (EATON)	In Stock		N/A	N/A
HLK - STATOR ASSEMBLY - Stator bars	In Stock		N/A	N/A
HLK - STATOR ASSEMBLY - Stator connection caps	In Stock		N/A	N/A
HLK - STATOR WINDINGS - UNIT 1 - robel bars	In Stock		N/A	N/A
HLK - STN SERVICE TRANSFORMER (SST-1)	In Stock		N/A	N/A
HLK - SURFACE AIR COOLERS	In Stock		N/A	N/A
HLK - SWITCH,LIMIT AB 802T-ATP	In Stock		N/A	N/A
HLK - SWITCH,LIMIT AB 802T-DTP	In Stock		N/A	N/A
HLK - SWITCH,MERCROID TYPE C-4	In Stock		N/A	N/A
HLK - SWITCH,PRESS OIL ALARM	In Stock		N/A	N/A
HLK - THRUST BEARING SEGMENTS (SET) - Thrust Bearing Segments	In Stock		N/A	N/A
HLK - THRUST PIN ASSY,IR 32218406	In Stock		N/A	N/A
HLK - Thrust/Guide Bearing Coolers	In Stock		N/A	N/A
HLK - Thrust/Guide Bearing Coolers - Hi pressure lift pump	In Stock		N/A	N/A
HLK - TURBINE - BEARING SEGMENT TURBINE,	In Stock		N/A	N/A
HLK - TURBINE - Carbon seal,	In Stock		N/A	N/A
HLK - TURBINE - Dowel	In Stock		N/A	N/A
HLK - TURBINE - Eccentric pin	In Stock		N/A	N/A
HLK - TURBINE - Friction hub	In Stock		N/A	N/A
HLK - TURBINE - Friction hub	In Stock		N/A	N/A
HLK - TURBINE - Link pin	In Stock		N/A	N/A
HLK - TURBINE - link thick	In Stock		N/A	N/A
HLK - TURBINE - link thin	In Stock		N/A	N/A
HLK - TURBINE - Packing box	In Stock		N/A	N/A
HLK - TURBINE - PLATE BEARING,	In Stock		N/A	N/A
HLK - TURBINE - SEAL TURBINE,	In Stock		N/A	N/A
HLK - TURBINE - Wicket gate lever	In Stock		N/A	N/A
HLK - TURBINE - wicket gate seal	In Stock		N/A	N/A
HLK - TURBINE GUIDE BEARING - BEARING, Segment TURBINE	In Stock		N/A	N/A
HLK - UPPER GUIDE BEARING COOLER	In Stock		N/A	N/A
HLK - UPPER GUIDE BEARING SEGMENTS - Upper Guide Bearing Segments	In Stock		N/A	N/A
HLK - VALVE & SPRING SET,45245	In Stock		N/A	N/A
HLK - VALVE ASSEMBLY 55 GA	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
HLK - VALVE ASSY, COMPAIR 47935	In Stock		N/A	N/A
HLK - VALVE ASSY, COMPAIR 47936	In Stock		N/A	N/A
HLK - VALVE ASSY, COMPAIR 48141	In Stock		N/A	N/A
HLK - VALVE ASSY, COMPAIR 50681	In Stock		N/A	N/A
HLK - VALVE,SOL 4-WAY SKINNER	In Stock		N/A	N/A
HLK - VALVE/GASKET KIT, JR 32133936	In Stock		N/A	N/A
HLK - VOLTAGE ADJUSTER	In Stock		N/A	N/A
HLK - WICKET GATES - wicket gate	In Stock		N/A	N/A
HLK - XFMR,PT 600 VOLT 3 PHASE	In Stock		N/A	N/A
HLK- Turbine Bearing Cooler	In Stock		N/A	N/A
PRV - Bearing, Lower Guide	In Stock		N/A	N/A
PRV - Bearing, Upper Guide	In Stock		N/A	N/A
PRV - Bearing, Upper Thrust	In Stock		N/A	N/A
PRV - BLOCK POWERTRAC,115VAC/1	In Stock		N/A	N/A
PRV - Circuit Breaker	In Stock		N/A	N/A
PRV - COIL,GE 22-115-045-01	In Stock		N/A	N/A
PRV - CONTACTOR,FIELD FLASHING	In Stock		N/A	N/A
PRV - DIODE,GE 4001A1158JA	In Stock		N/A	N/A
PRV - DIODE,GE 4001A1158JB	In Stock		N/A	N/A
PRV - DIODE,GE 6RT44UV698-8841	In Stock		N/A	N/A
PRV - MAGNETROL,D-B10-1GBA-ABM	In Stock		N/A	N/A
PRV - METER,FLOW OMEGA FL-6318B	In Stock		N/A	N/A
PRV - METER,FLOW WATER 1000#	In Stock		N/A	N/A
PRV - MOTOR,GOVERNOR PUMP	In Stock		N/A	N/A
PRV - Pad, Guide Bearing	In Stock		N/A	N/A
PRV - PLC CPU Module	In Stock		N/A	N/A
PRV - PLC Ethernet Module	In Stock		N/A	N/A
PRV - PLC Power Supply	In Stock		N/A	N/A
PRV - PUMP,PH PVP1630-R212	In Stock		N/A	N/A
PRV - TACHOMETER,TAK PAK 3	In Stock		N/A	N/A
PRV - TURBINE BEARING COOLER TURBINE	In Stock		N/A	N/A
USL - BEARING, BOWL - Drainage	In Stock		N/A	N/A
USL - BEARING, BOWL - Unwatering	In Stock		N/A	N/A
USL - BEARING,BIG END COMP #E02128	In Stock		N/A	N/A
USL - BEARING,BIG END COMP #E02128	In Stock		N/A	N/A
USL - BEARING,COMPAIR E05519	In Stock		N/A	N/A
USL - BEARING,COMPAIR E05519	In Stock		N/A	N/A
USL - BEARING,MAIN D/E	In Stock		N/A	N/A
USL - BEARING,MAIN D/E	In Stock		N/A	N/A
USL - BEARING,MAIN O/E	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
USL - BEARING,MAIN O/E	In Stock		N/A	N/A
USL - BEARING,PACKING CONTAINER	In Stock		N/A	N/A
USL - BELT,DRIVE COMPAIR 3VX850	In Stock		N/A	N/A
USL - BELT,DRIVE COMPAIR 3VX850	In Stock		N/A	N/A
USL - BELT,V 3V950	In Stock		N/A	N/A
USL - BELT,V 3V950	In Stock		N/A	N/A
USL - BRIDGE,THYRISTOR EG	In Stock		N/A	N/A
USL - BUSHING,IMPELLER TAPERLOCK	In Stock		N/A	N/A
USL - BUSHING,IMPELLER TAPERLOCK	In Stock		N/A	N/A
USL - BUSHING,SIDE ROLLER	In Stock		N/A	N/A
USL - BUSHING,SMALL END COM#LE02130	In Stock		N/A	N/A
USL - BUSHING,SMALL END COM#LE02130	In Stock		N/A	N/A
USL - BUSHING,WHEEL	In Stock		N/A	N/A
USL - COIL,SULL 250018-971	In Stock		N/A	N/A
USL - CROWBAR,ES	In Stock		N/A	N/A
USL - FILTER,COOLANT (ELEMENT ONLY)	In Stock		N/A	N/A
USL - GASKET KIT,IR X1453T47	In Stock		N/A	N/A
USL - GASKET,COMPAIR E05516	In Stock		N/A	N/A
USL - GASKET,COMPAIR E05516	In Stock		N/A	N/A
USL - GASKET,COMPAIR J201671	In Stock		N/A	N/A
USL - GASKET,COMPAIR J201671	In Stock		N/A	N/A
USL - GASKET,FLEXMASTER 250007-559	In Stock		N/A	N/A
USL - GASKET,SULL 040517	In Stock		N/A	N/A
USL - GOVERNOR PUMP	In Stock		N/A	N/A
USL - GOVERNOR PUMP	In Stock		N/A	N/A
USL - HEATER,GAIN 3.2 KW 575 V	In Stock		N/A	N/A
USL - HEATER,GATE (DUCT BLOWE	In Stock		N/A	N/A
USL - HEATER,SHEAVE BLOCK 1366 W	In Stock		N/A	N/A
USL - JOINT KIT,COMPAIR 98504/1172	In Stock		N/A	N/A
USL - JOINT KIT,COMPAIR 98504/1172	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202284	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202284	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202285	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202285	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202285-100	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202285-100	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202286	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202286	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202287	In Stock		N/A	N/A
USL - JOINT,COMPAIR C202287	In Stock		N/A	N/A

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
USL - POWER DISTRIBUTOR, ASSY	In Stock		N/A	N/A
USL - REGULATOR KIT,SULL 250019-453	In Stock		N/A	N/A
USL - RING KIT,COMPAIR 98477/1131	In Stock		N/A	N/A
USL - RING KIT,COMPAIR 98477/1131	In Stock		N/A	N/A
USL - RING,PISTON 1ST STAGE	In Stock		N/A	N/A
USL - RING,PISTON 1ST STAGE	In Stock		N/A	N/A
USL - ROTOR RIM DRIVE KEYS	In Stock		N/A	N/A
USL - SEAL,FLAT 22' LENGTH	In Stock		N/A	N/A
USL - SEAL,J 22' LENGTH	In Stock		N/A	N/A
USL - SEAL,J C/W 2 CORNERS	In Stock		N/A	N/A
USL - SEAL,J C/W 4 CORNERS	In Stock		N/A	N/A
USL - SWITCH,OIL LEVEL	In Stock		N/A	N/A
USL - SWITCH,OIL LEVEL	In Stock		N/A	N/A
USL - TRANSMITTER,PRESS 0-2.5MH20	In Stock		N/A	N/A
USL - VALVE,REED 1ST STAGE	In Stock		N/A	N/A
USL - VALVE,REED 1ST STAGE	In Stock		N/A	N/A
USL - VALVE,REED 2ND STAGE	In Stock		N/A	N/A
USL - VALVE,REED 2ND STAGE	In Stock		N/A	N/A
USL - VARISTOR,EXCITER	In Stock		N/A	N/A
USL - Transformer T2	On Order	Unit was shipped to Turkey in 2022 to be repaired and tested. The anticipated return date to USL was Q2 2023 however the transformer remained at the factory in Turkey due to unsuccessful Factory Acceptance Testing (FAT). The transformer passed FAT as of May 14, 2024 and plans have been made by the vendor to deliver the unit to site during the first week of November 2024.	N/A	Nov-24
CAT - POWER SUPPLY, 240 W, SSL COMMUNICATION LINK Part # 1606-XLS240E (Allen-Bradley)	On Order		N/A	1-Apr-25
CAT - POWER SUPPLY, 24V DC, CONTROL LOGIX, SSL COMMUNICATION LINK Part # 1756-PB72 (Rockwell)	On Order		N/A	1-Apr-25
CAT - INTERFACE MODULE, SSL COMMUNICATION LINK Part # 1756-EN2TR (Rockwell)	On Order		N/A	1-Apr-25
CAT - PORT SWITCH, SSL COMMUNICATION LINK Part # 1783-US4T1H (Rockwell)	On Order		N/A	1-Apr-25
CAT - ETHERNET MODULE, CONTROL LOGIX, SSL COMMUNICATION LINK Part# MVI56E-DNPNET (Prosoft)	On Order		N/A	1-Apr-25
BDE - POWER SUPPLY, 480W, 24V DC, MAIN ANNUNCIATOR Part # 1606-XLS480E (Allen-Bradley)	On Order		N/A	1-Apr-25

Critical Spare Component	Stock Status	Comments	Status Update September 2024	Expected Delivery Date
BDE - POWER SUPPLY, 24VDC, CONTROL LOGIX, MAIN ANNUNCIATOR Part # 1756-PB72 (Rockwell)	On Order		N/A	1-Apr-25
BDE - INTERFACE MODULE, MAIN ANNUNCIATOR Part # 1756-EN2TR (Rockwell)	On Order		N/A	1-Apr-25
BDE - CONTROLLER< CONTROL LOGIX, MAIN ANNUNCIATOR Part # 1756-L71 (Rockwell)	On Order		N/A	1-Apr-25
BDE - MODULE, CONTROL LOGIX, MAIN ANNUNCIATOR Part # 1756-IB32 (Rockwell)	On Order		N/A	1-Apr-25