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November 12, 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*

Further to correspondence received from the Board of Commissioners of Public Utilities (“Board”) on October 13, 2016 directing Newfoundland and Labrador Hydro (“Hydro”) to provide an annual report detailing its winter readiness planning, and correspondence received on March 5, 2020 requesting additional detail, please find enclosed Hydro’s update to its 2024–2025 Winter Readiness Planning Report.

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.

ecc:

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2024–2025 Winter Readiness Planning Report

November 12, 2024

A report to the Board of Commissioners of Public Utilities



1 **Executive Summary**

2 Newfoundland and Labrador Hydro (“Hydro”) closely monitors its supply-related assets and is confident
3 in its ability to service customers during the 2024–2025 winter season. Each year, Hydro completes
4 extensive winter readiness (“WR”) activities across our network of assets. This requires detailed
5 scheduling and coordination from across all our teams and sites to ensure safe completion of all tasks.
6 These activities are well underway and we are confident in our ability to provide reliable service to our
7 customers, as well as those of Newfoundland Power Inc., throughout this winter season.

8 The results of Hydro's annual work plan (“AWP”) and WR activities for both the Island Interconnected
9 System and the Labrador Interconnected System year-to-date indicate that Hydro is on track to meet its
10 target for almost all areas, including all of its generating units, with the exception of Unit 1 at the
11 Holyrood TGS and Unit 2 at Muskrat Falls. All high-priority and critical work across Hydro’s system is on
12 track for completion prior to the winter period, with the system well positioned to meet the needs of all
13 customers for the 2024–2025 winter season.

14 Holyrood TGS Unit 1’s return to service is extended to mid-January 2025 due to the additional work
15 required during the Overhaul Unit 1 Turbine Valves and Generator Program to refurbish the turbine
16 rotor. In advance of Unit 1’s return to service, Hydro has sufficient generation reserves and appropriate
17 plans in place to mitigate any risk to the system.

18 The Unit 2 turbine at Muskrat Falls is scheduled to undergo repair, which will result in the unit being
19 unavailable for the 2024–2025 winter season, as planned. The expected return to service date for this
20 generating unit is mid-May 2025. The planned outage of Unit 2 does not impact WR, as three units
21 generating at Muskrat Falls continue to outperform the reliability of most hydro units across North
22 America and are sufficient to support deliveries to the Island Interconnected System, as well as firm
23 contractual commitments to Nova Scotia.

24 The Labrador-Island Link (“LIL”) continues to reliably support the Island Interconnected System,
25 delivering both capacity and energy to meet system needs. The LIL is available for bipole operation up to
26 700 MW, with planning underway to coordinate high power testing in the fourth quarter of 2024.

27 Although Hydro has identified risks as outlined in this report, it is important to note that the
28 identification of risks is a normal and important piece of Hydro’s comprehensive planning and

1 preparedness processes. These processes help to ensure reliable operation during our winter operating
2 seasons.

3 Hydro remains focused on the completion of the final activities of its annual maintenance program to
4 ensure the reliability of its existing assets and infrastructure throughout the 2024–2025 winter operating
5 season and will provide a further update in its December filing of the 2024–2025 Winter Readiness
6 Planning Report.

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Appendix B: Status of Winter Readiness Testing of Plant and Equipment for Thermal Generation

Appendix C: Status of Winter Readiness Testing of Plant and Equipment for Hydraulic Generation

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

Appendix E: Master Generation Outage Schedule

Appendix F: Critical Spares Status Listing for Thermal Generation

Appendix G: Critical Spares Status Listing for Combustion Turbine Generation

Appendix H: Critical Spares Status Listing for Hydraulic Generation

Appendix I: Critical Spares Status Listing for Muskrat Falls Generation

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 to provide an annual report detailing its 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 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].²
- 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.³

Except where otherwise noted, information presented in this report covers both the Island Interconnected System and the Labrador Interconnected System for the period ending October 31, 2024.⁴

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 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.

³ “Request to Hydro to file Winter Readiness Planning 2016-2017,” Board of Commissioners of Public Utilities, September 13, 2016.

⁴ The data used to generate the status charts in Section 2.0 reflect a data cutoff date of October 18, 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 October 18, 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 ○ Muskrat Falls Hydroelectric Generating Station (“Muskrat Falls”);
 - 8 ○ Labrador-Island Link; and
 - 9 ○ Labrador Transmission Assets (“LTA”).

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 October 18, 2024, in relation to AWP
13 and WR activities. Relevant highlights are also provided.

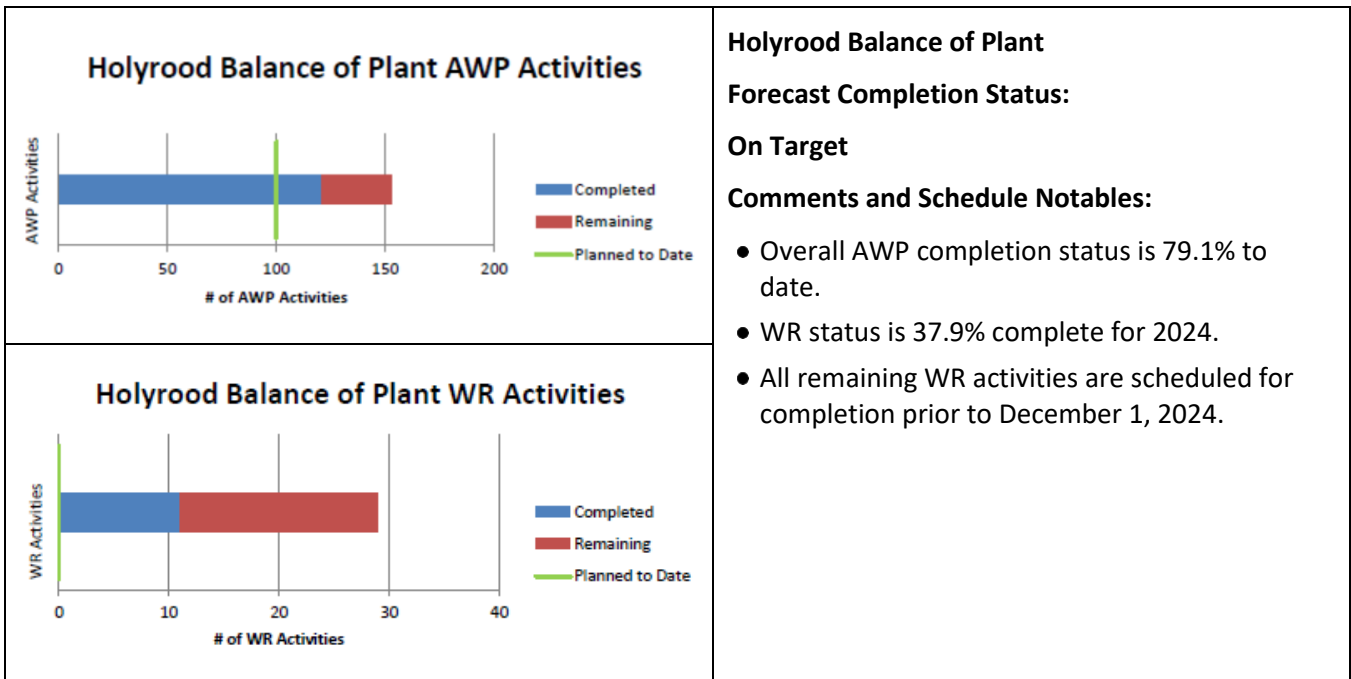
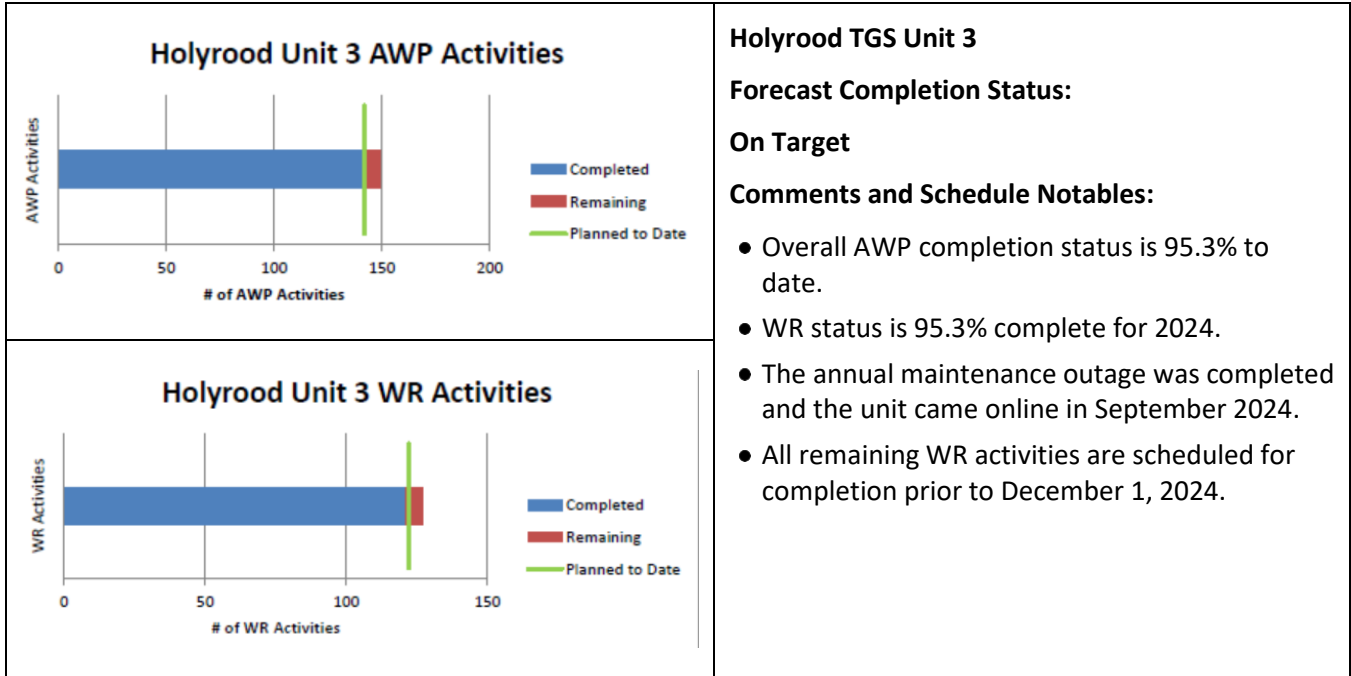
14 Section 3.0 and Appendix A provide the status of capital projects and programs that include additional
15 WR tasks.

16 **2.1 Thermal Generation**

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

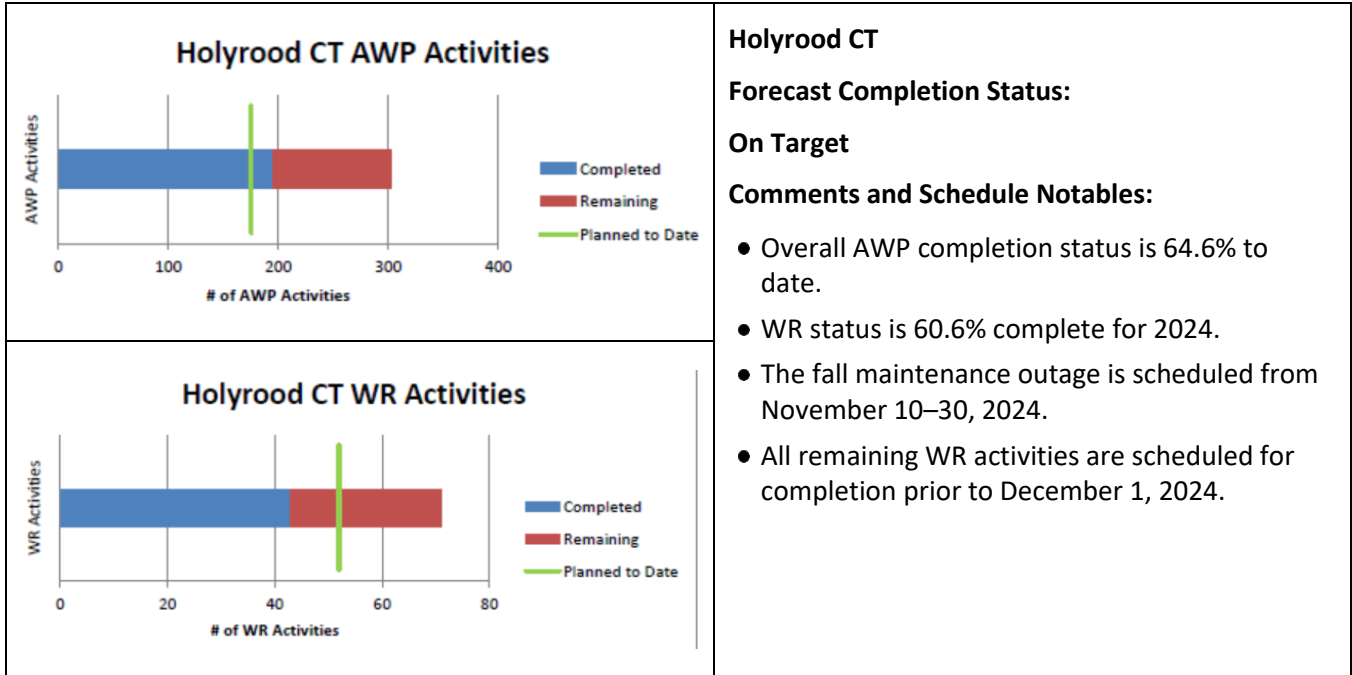
<h3 style="text-align: center;">Holyrood Unit 1 AWP Activities</h3> <p style="text-align: center;"># of AWP Activities</p>	<h4>Holyrood TGS Unit 1</h4> <p>Forecast Completion Status: On Target for Completion by Return to Service</p> <p>Comments and Schedule Notables:</p> <ul style="list-style-type: none"> • Overall AWP completion status is 82.3% to date. • WR status is 81.1% complete for 2024. • The unit is currently unavailable due to the additional work required to refurbish the turbine rotor during the planned turbine overhaul. • The return to service date for this unit is tentatively scheduled for mid-January 2025. • All remaining activities are scheduled to be completed prior to the unit being returned to service.
<h3 style="text-align: center;">Holyrood Unit 1 WR Activities</h3> <p style="text-align: center;"># of WR Activities</p>	

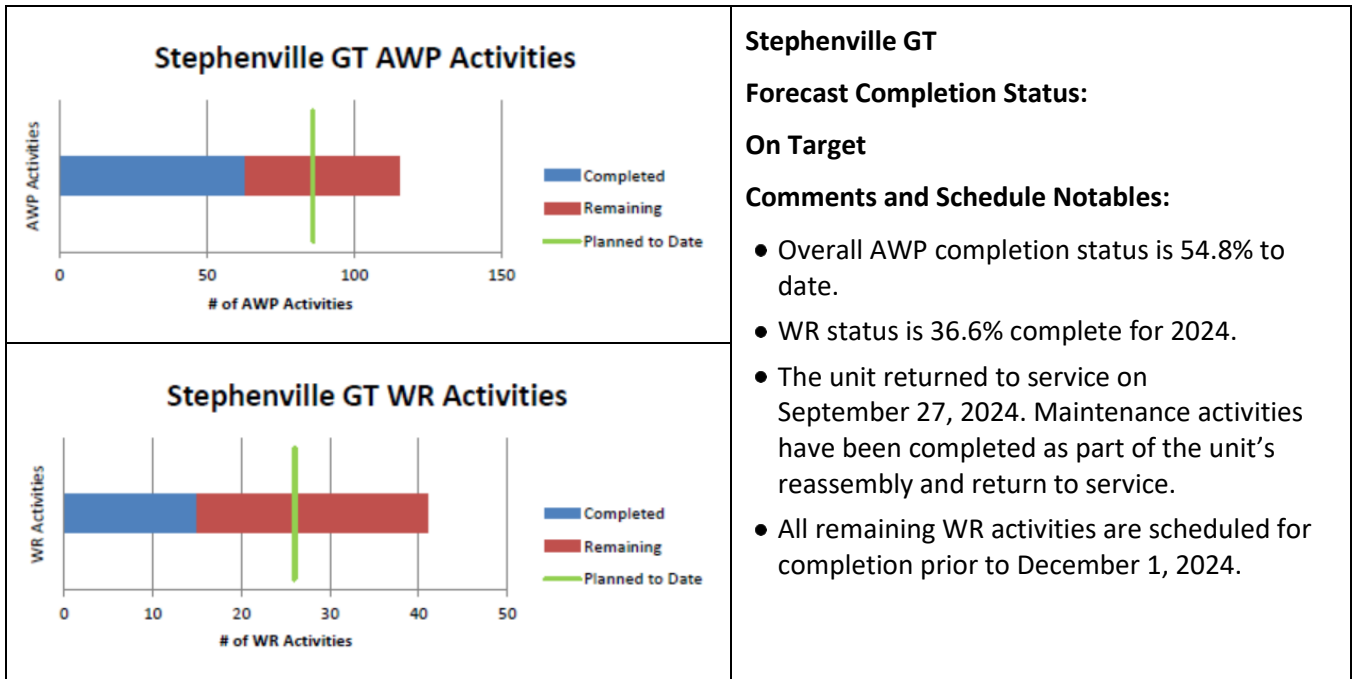
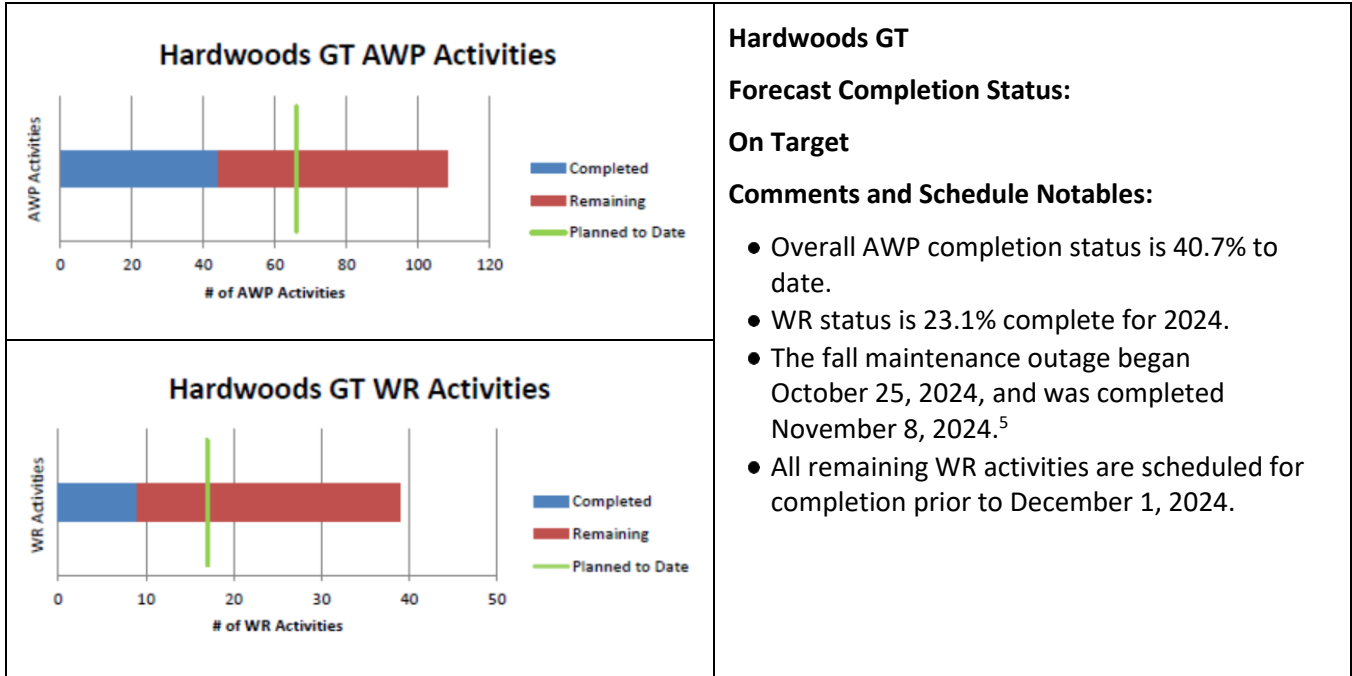
<h3 style="text-align: center;">Holyrood Unit 2 AWP Activities</h3> <p style="text-align: center;"># of AWP Activities</p>	<h4>Holyrood TGS Unit 2</h4> <p>Forecast Completion Status: On Target</p> <p>Comments and Schedule Notables:</p> <ul style="list-style-type: none"> • Overall AWP completion status is 81.4% to date. • WR status is 77.4% complete for 2024. • The annual maintenance outage was completed on October 6, 2024, and the unit was returned to service on October 11, 2024. • All remaining WR activities are scheduled for completion prior to December 1, 2024.
<h3 style="text-align: center;">Holyrood Unit 2 WR Activities</h3> <p style="text-align: center;"># of WR Activities</p>	



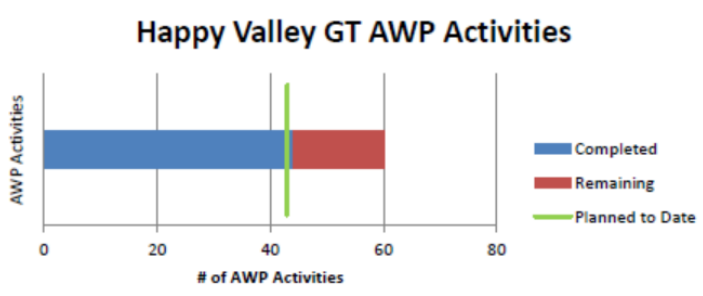
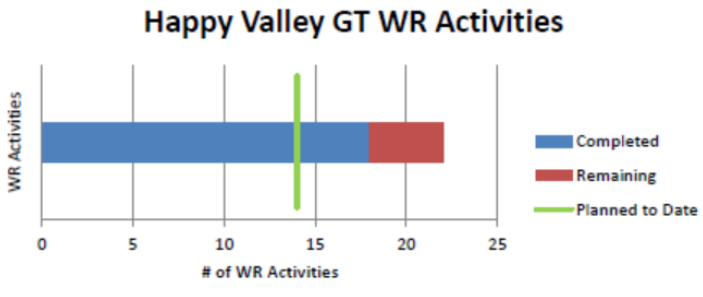
1 **2.2 Combustion Turbine Generation**

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 CTs is on target for completion
 4 by December 1, 2024.



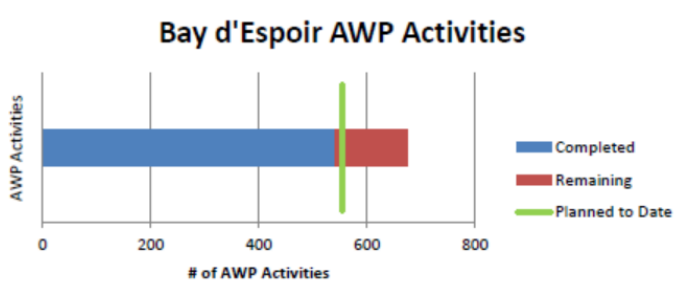
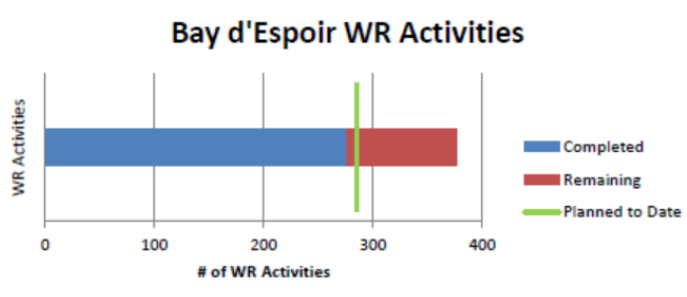


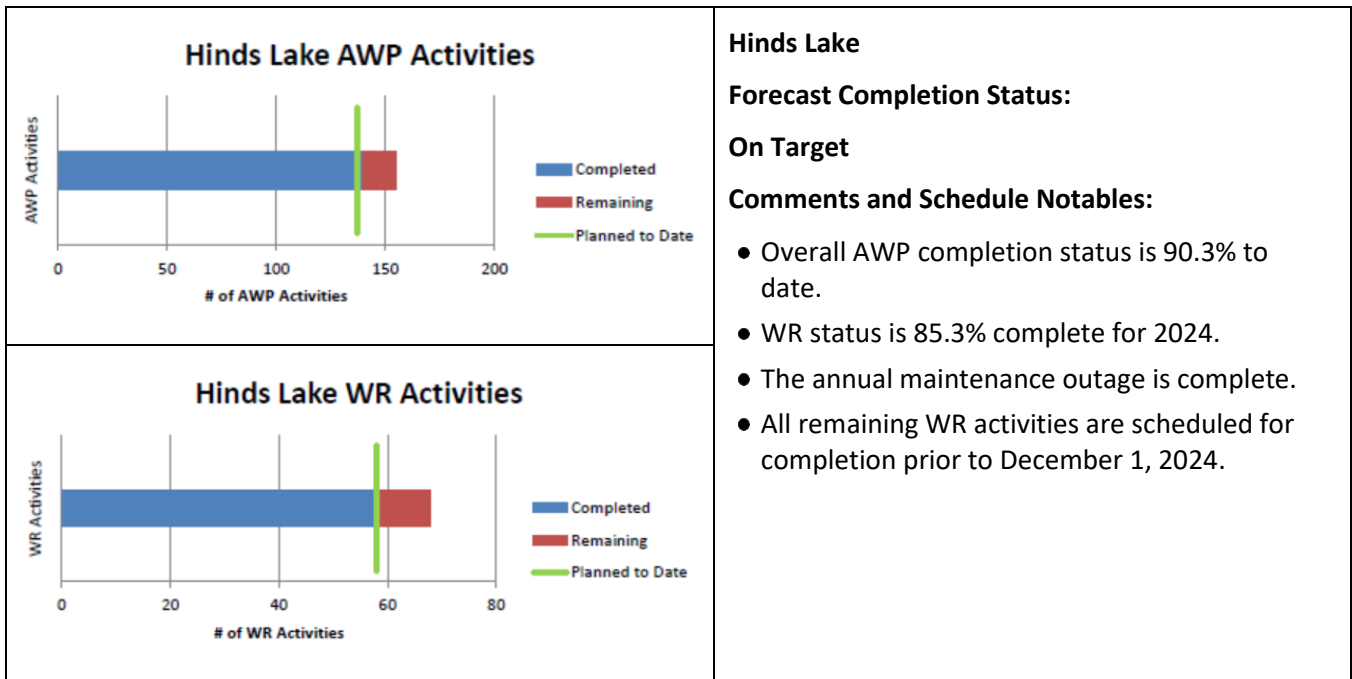
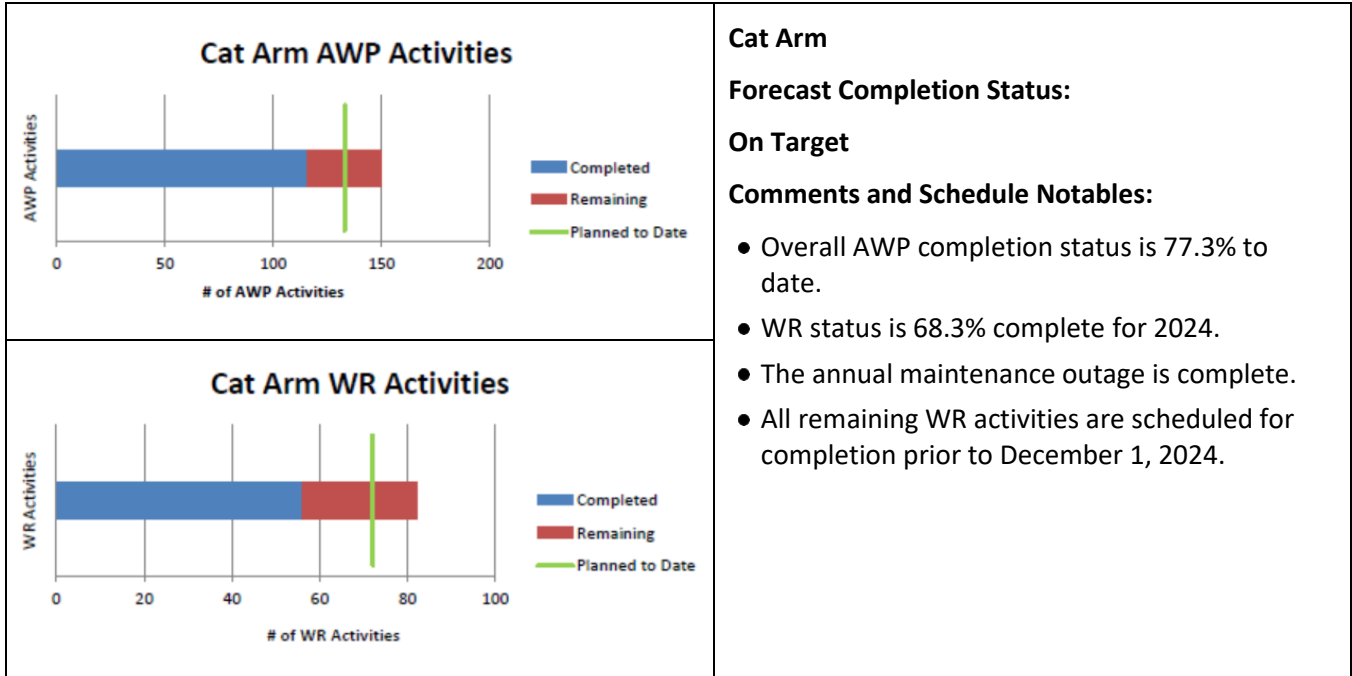
⁵ As the status charts in Section 2.0 reflect a data cutoff date of October 18, 2024, activities completed during the fall maintenance outage will be reflected in the filing of the next 2024–2025 Winter Readiness Planning Report, scheduled for December 10, 2024.

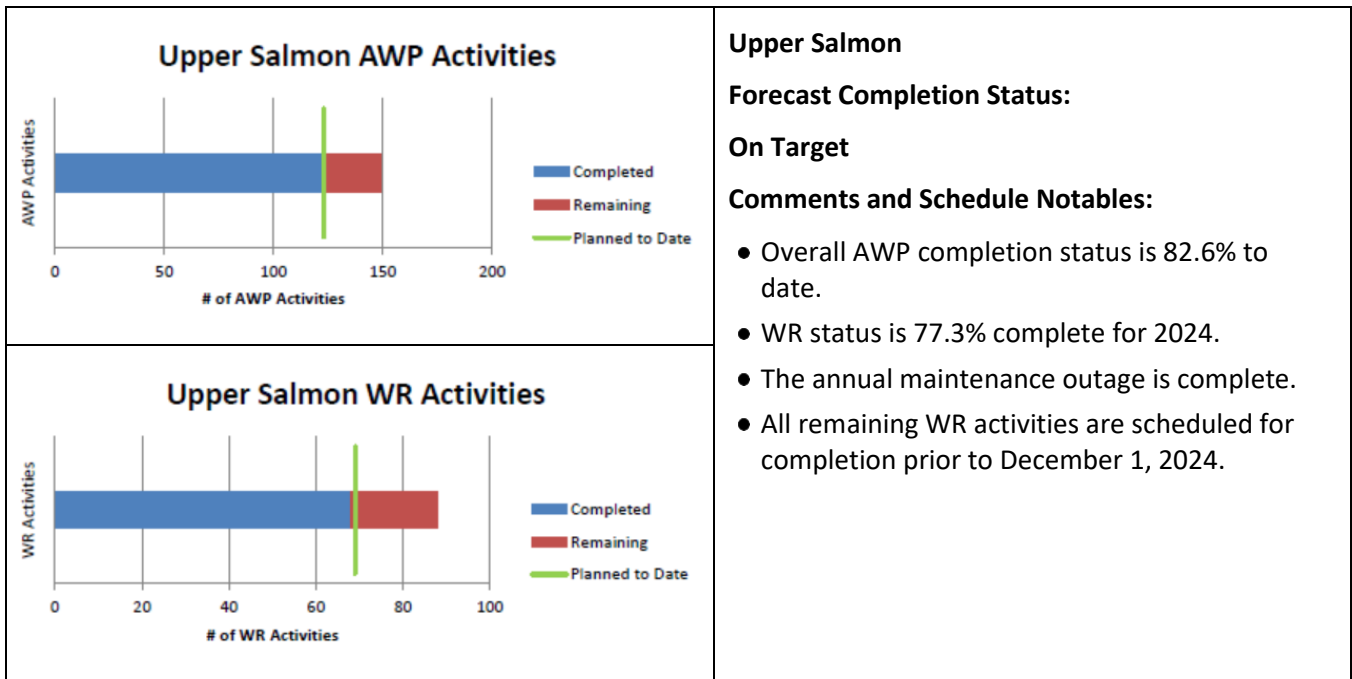
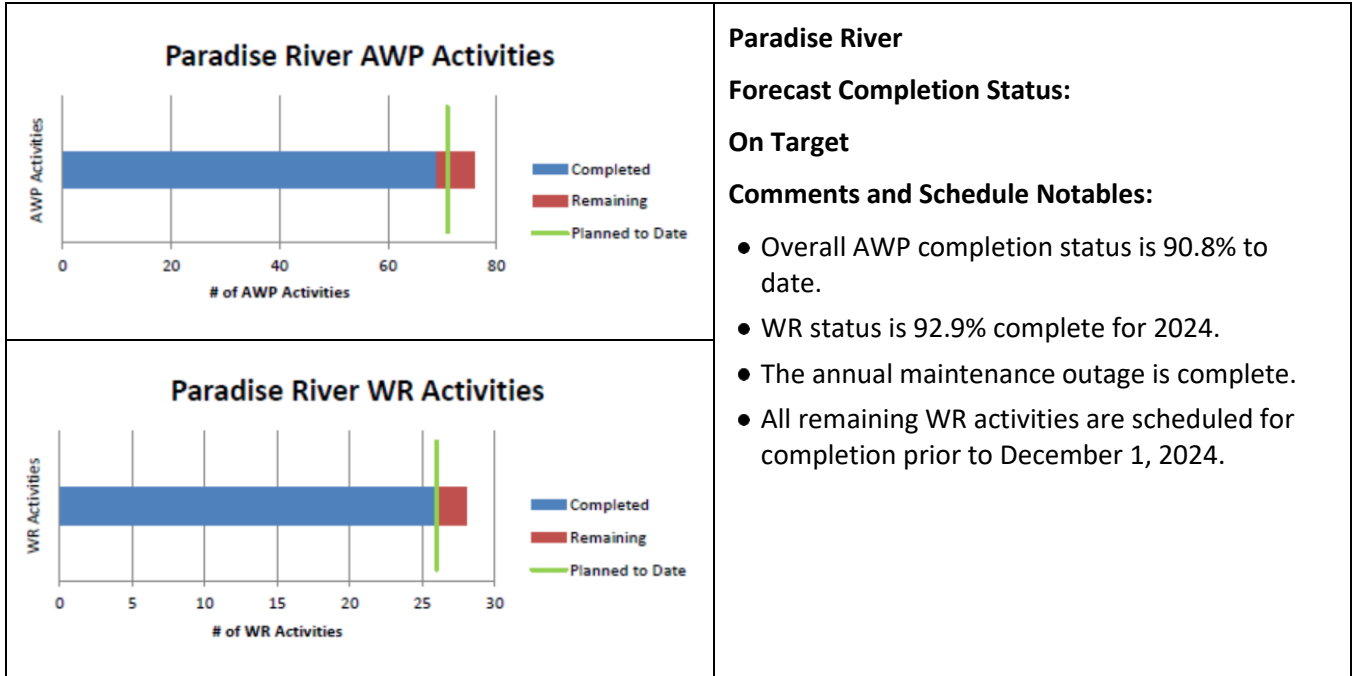
 <p>Happy Valley GT AWP Activities</p> <p>This horizontal bar chart shows the status of AWP activities for Happy Valley GT. The x-axis represents the number of AWP activities, ranging from 0 to 80. The bar is divided into 'Completed' (blue) and 'Remaining' (red) sections. A vertical green line indicates the 'Planned to Date' status. The completed portion is approximately 45, the remaining portion is approximately 15, and the planned to date line is at approximately 45.</p>	<p>Happy Valley GT</p> <p>Forecast Completion Status:</p> <p>On Target</p> <p>Comments and Schedule Notables:</p> <ul style="list-style-type: none"> • Overall AWP completion status is 73.3% to date. • WR status is 81.8% complete for 2024. • The annual maintenance outage is complete. • All remaining WR activities are scheduled for completion prior to December 1, 2024.
 <p>Happy Valley GT WR Activities</p> <p>This horizontal bar chart shows the status of WR activities for Happy Valley GT. The x-axis represents the number of WR activities, ranging from 0 to 25. The bar is divided into 'Completed' (blue) and 'Remaining' (red) sections. A vertical green line indicates the 'Planned to Date' status. The completed portion is approximately 14, the remaining portion is approximately 4, and the planned to date line is at approximately 14.</p>	

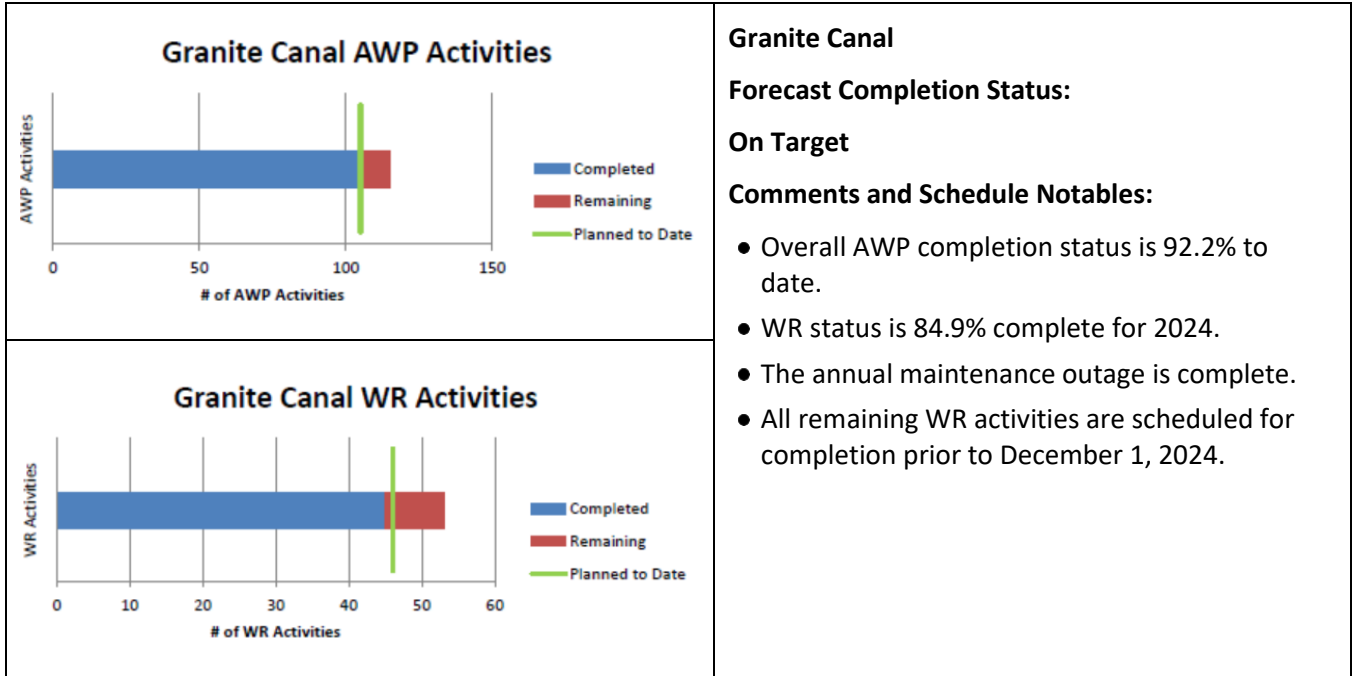
1 **2.3 Hydraulic Generation**

- 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.

 <p>Bay d'Espoir AWP Activities</p> <p>This horizontal bar chart shows the status of AWP activities for Bay d'Espoir. The x-axis represents the number of AWP activities, ranging from 0 to 800. The bar is divided into 'Completed' (blue) and 'Remaining' (red) sections. A vertical green line indicates the 'Planned to Date' status. The completed portion is approximately 500, the remaining portion is approximately 100, and the planned to date line is at approximately 500.</p>	<p>Bay d'Espoir</p> <p>Forecast Completion Status:</p> <p>On Target</p> <p>Comments and Schedule Notables:</p> <ul style="list-style-type: none"> • Overall AWP completion status is 80.4% to date. • WR status is 73.5% complete for 2024. • Annual maintenance outages are complete for all units. • All remaining WR activities are scheduled for completion prior to December 1, 2024.
 <p>Bay d'Espoir WR Activities</p> <p>This horizontal bar chart shows the status of WR activities for Bay d'Espoir. The x-axis represents the number of WR activities, ranging from 0 to 400. The bar is divided into 'Completed' (blue) and 'Remaining' (red) sections. A vertical green line indicates the 'Planned to Date' status. The completed portion is approximately 280, the remaining portion is approximately 80, and the planned to date line is at approximately 280.</p>	

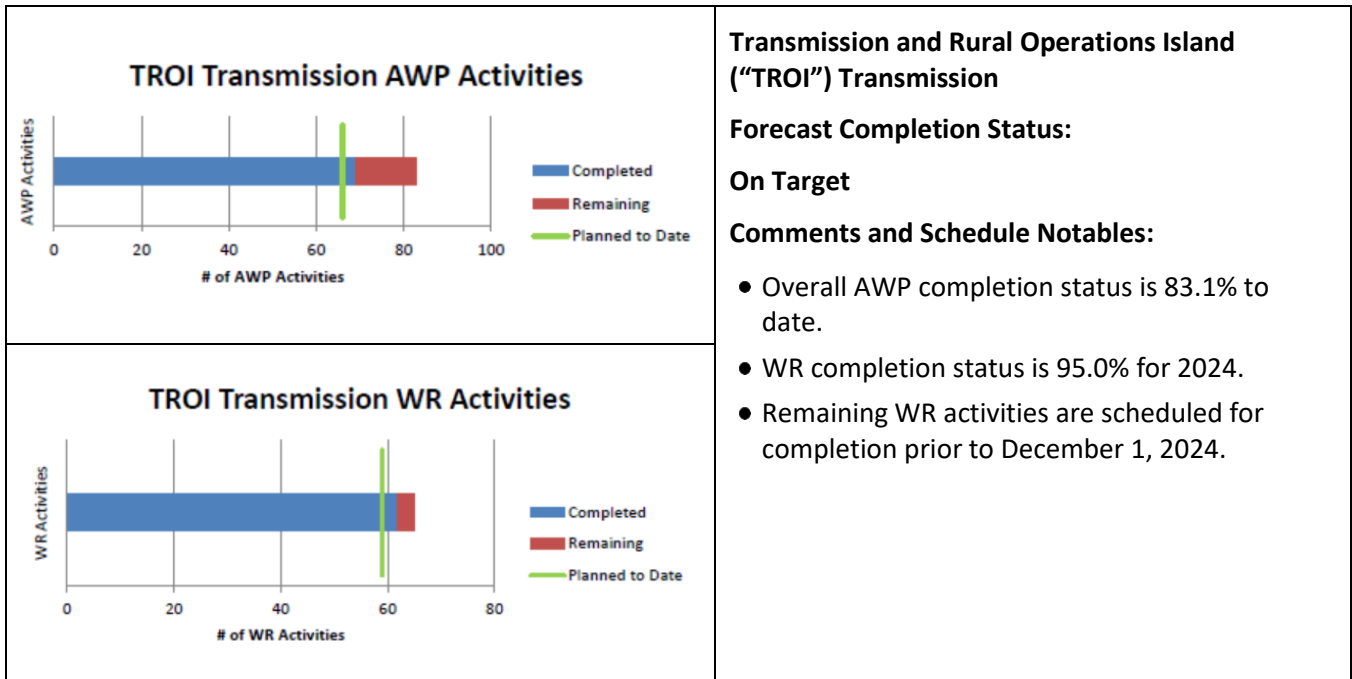






1 **2.4 Transmission and Terminal Stations**

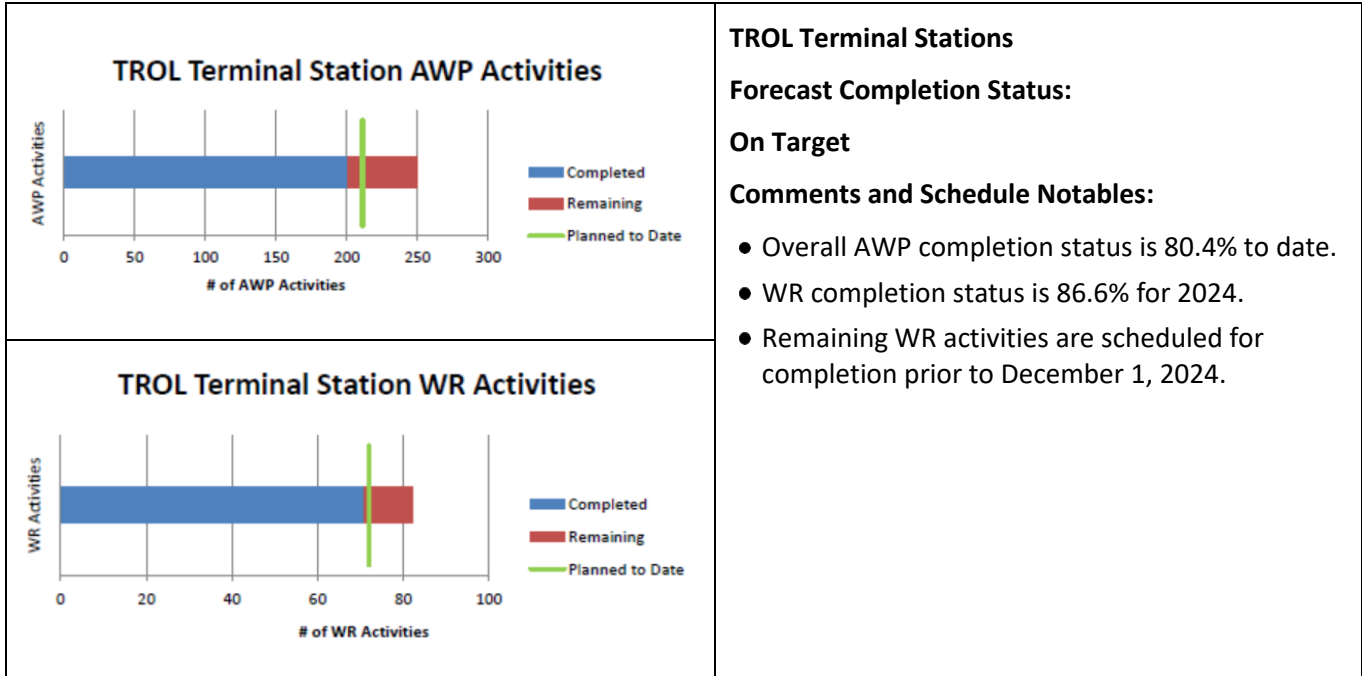
2 The status of AWP and WR execution for transmission line and terminal station facilities on both the
 3 Island Interconnected System and the Labrador Interconnected System is summarized in the following
 4 charts. All planned WR activities are scheduled for completion by December 1, 2024.



<p style="text-align: center;">TROI Terminal Station AWP Activities</p>	<p>TROI Terminal Stations</p> <p>Forecast Completion Status:</p> <p>On Target</p> <p>Comments and Schedule Notables:</p> <ul style="list-style-type: none"> • Overall AWP completion status is 63.4% to date. • WR completion status is 69.2% for 2024.⁶ • Remaining WR activities are scheduled for completion prior to December 1, 2024.
<p style="text-align: center;">TROI Terminal Station WR Activities</p>	

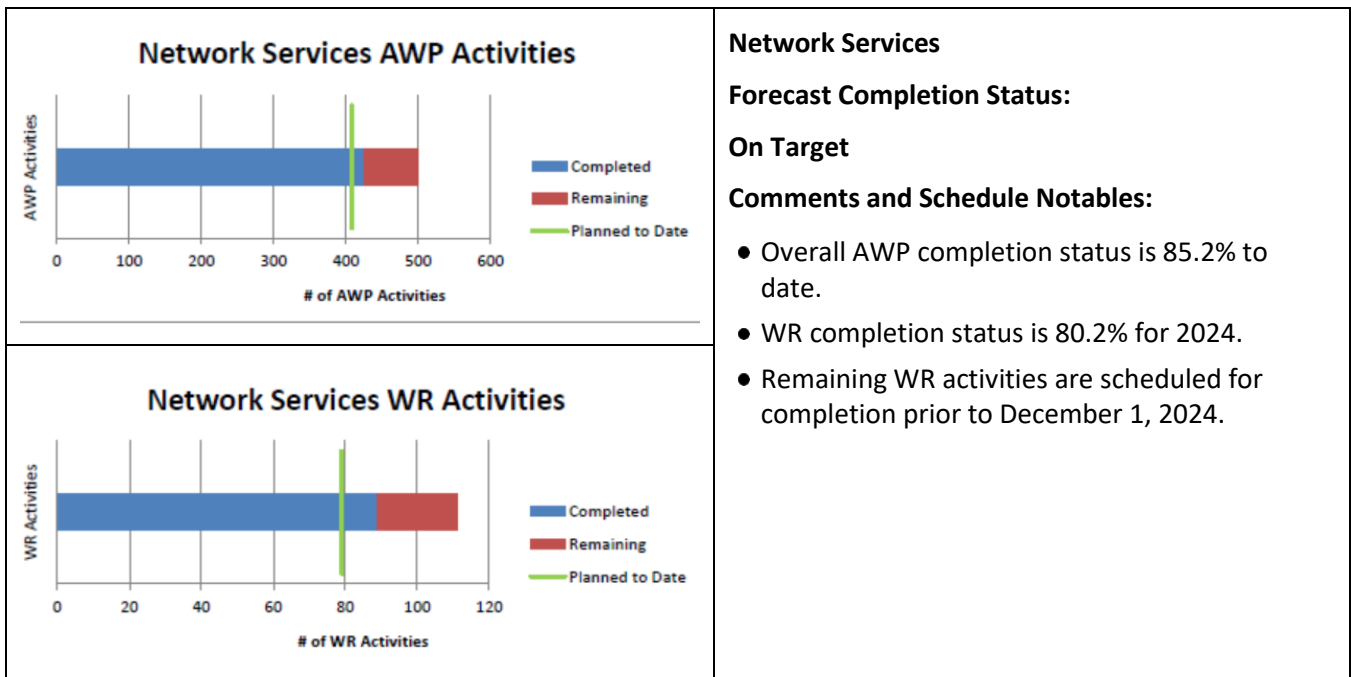
<p style="text-align: center;">TROL Transmission AWP Activities</p>	<p>Transmission and Rural Operations Labrador (“TROL”) Transmission</p> <p>Forecast Completion Status:</p> <p>On Target</p> <p>Comments and Schedule Notables:</p> <ul style="list-style-type: none"> • Overall AWP completion status is 79.7% to date. • WR completion status is 50.0% for 2024. • Remaining WR activities are scheduled for completion prior to December 1, 2024.
<p style="text-align: center;">TROL Transmission WR Activities</p>	

⁶ A number of key equipment outages remain in late October and November 2024, the results of which will be reflected in the WR completion status in the filing of the next 2024–2025 Winter Readiness Planning Report, scheduled for December 10, 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 anticipates that all WR activities for Units 1, 3, and 4 will be completed by December 1, 2024.

4 Hydro notes that the planned outage of Muskrat Falls Unit 2 from late October 2024 to mid-May 2025

5 does not impact WR as energy from Muskrat Falls Units 1, 3, and 4 are readily available to serve

6 customers on the Island Interconnected System via the LIL.

7 As the Muskrat Falls assets are in early operation, the timing and frequency of the original equipment

8 manufacturer (“OEM”) recommended PM activities, trends in the occurrence of break-in work, and the

9 scheduling of maintenance resources, are under review to determine an appropriate AWP schedule.

10 Hydro anticipates having PM rationalization completed in the next few years, and at that time will be in

11 a position to determine appropriate work execution resource allocation.

12 Hydro will not attain 80% completion of the proposed 2024 AWP for the Muskrat Falls generating assets.

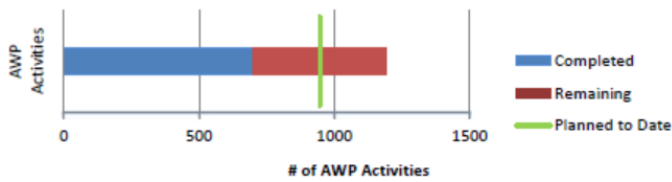
13 However, this does not impact the ability to reliably serve customers this winter. The majority of the

14 outstanding AWP activities relate to balance of plant PM activities. Priority activities will be completed.

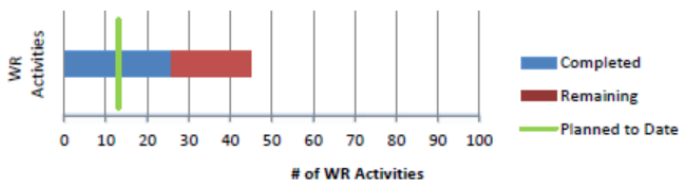
15 Subject to the completion of high-power testing, which Hydro continues to plan for execution in the

16 fourth quarter of 2024, the LIL will be able to be operated up to 900 MW as system conditions permit.

Muskrat Falls Generating Assets AWP Activities



Muskrat Falls Generating Assets WR Activities



Generating Assets

Forecast Completion Status:

Winter Readiness On Target

AWP Target Will Not be Fully Met

Comments and Schedule Notables:

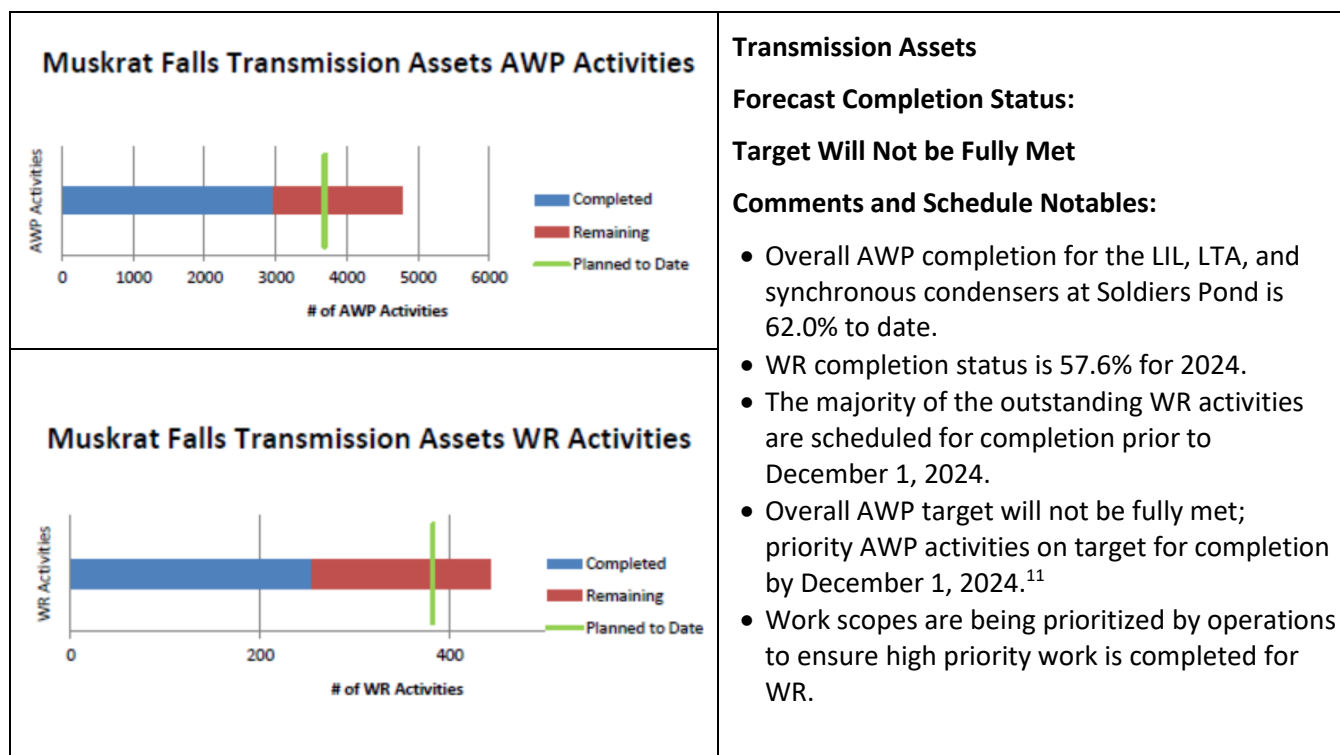
- Overall AWP completion for Muskrat Falls Units 1 to 4 is 58.8% to date.⁷
- WR activities are 57.8% complete for 2024.⁸
- Remaining WR activities for Units 1, 3, and 4 are scheduled for completion prior to December 1, 2024.⁹
- Overall AWP target will not be fully met; priority AWP activities on target for completion by December 1, 2024.¹⁰
- Annual maintenance outages are complete for Units 1, 3, and 4.
- Unit 2 was taken offline on a planned outage for major turbine repairs on October 16, 2024, and will be out of service until mid-May 2025. The planned outage of Unit 2 does not impact WR.

⁷ AWP activity status is as of September 27, 2024.

⁸ WR activity status is as of October 22, 2024.

⁹ All outstanding items on Unit 2 are scheduled to be completed upon the return to service in mid-May 2025.

¹⁰ AWP and WR activity listing subject to change as Hydro gains operational experience with these assets.



1 3.0 Status of Winter Readiness for Capital Projects and 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 are provided in Appendix A.

6 Table 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
	November 1, 2024	Completion before December 1, 2024	Completion after December 1, 2024	
Hydraulic Generation	1	0	0	1
Thermal Generation	6	2	1	9
CT Generation	1	1	0	2
Terminal Stations	2	1	0	3
Telecontrol	0	2	0	2
Total	10	6	1	17

¹¹ AWP and WR activity listing subject to change as Hydro gains operational experience with these assets.

1 As of November 1, 2024, the WR scope for 10 of the 17 capital projects and programs is complete. It is
2 currently expected that the WR scope for 6 more capital projects and programs will be completed by
3 December 1, 2024. A portion of the WR scope within one program is expected to be completed after
4 December 1, 2024. The status of that program scope is as follows:

5 **1) Overhaul Unit 1 Turbine Valves and Generator**

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

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

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

19 **3.2 Muskrat Falls Assets Capital Projects**

20 **3.2.1 Generation**

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

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

24 This program is to repair the Unit 2 turbine, which will result in the unit being unavailable for the
25 2024–2025 winter season. The expected return to service date for this generating unit is mid-
26 May 2025. Hydro notes that the planned outage of Muskrat Falls Unit 2 does not impact WR, as

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

1 energy from Muskrat Falls Units 1, 3, and 4 is available to the Island Interconnected System via
2 the LIL.¹³

3 **3.2.2 Transmission**

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

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

10 To date, approximately 90% of the turnbuckles have been replaced with extension links on the
11 dead end structures, with the replacement of 98% of turnbuckles planned for completion by the
12 end of 2024.¹⁴ Air spoilers will be installed at all planned locations by the end of 2025; to date,
13 74% of air spoilers have been installed, with the remaining to be completed in 2025.¹⁵

14 **2) Various Locations – Other Capital Programs**

15 With regards to other capital programs for transmission assets impacting WR, Hydro is
16 optimizing clamp designs for the electrode conductor and optical ground wires (“OPGW”). As
17 the OPGW relates to communications functionality, Hydro does not anticipate that further
18 occurrences of similar damage would result in a prolonged power interruption or customer
19 outage. In addition, work is underway to analyze ice loading including review of all available
20 data and acquisition of sensors to measure ice loading and galloping. A reinforcement of the top
21 plate that secures the OPGW to A3 type towers is also being implemented. To date, 24 of 61 A3
22 tower top plates have been reinforced, with the remaining to be completed by the end of the
23 year. Analysis of potential modifications to this plate for other tower types is also underway.
24 Finally, analysis is ongoing to determine the requirement for modifications to the tower or
25 transmission line design to further reduce the risk of incidents.

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

¹⁴ Hydro has previously reported the planned replacement of 100% of turnbuckles by the end of 2024; however, due to weather factors that affect helicopter transportation to six structures on the Northern Peninsula, 100% completion may not be possible in 2024. Hydro and its contractor continue to work to safely attain 100% completion, and Hydro will provide an update in its December 2024–2025 Winter Readiness Planning Report.

¹⁵ 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 4.0 Plant and Equipment Testing

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

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

10 4.1 Thermal Generation

11 WR testing of generating equipment in thermal generation is focused primarily around annual unit
12 maintenance outages. Following these annual outages, units are run up and synchronized and all
13 systems are verified before the unit's operating status is determined and preparedness is confirmed.
14 Unit load tests are performed at this time as well; however, all required load testing is not completed
15 until later in the fall when system conditions allow. The WR testing protocol includes the testing of
16 appropriate Balance of Plant components, including the black start diesel generators.¹⁶ The current
17 status of equipment/plant testing for thermal generation is indicated in Appendix B.

18 Unit 3 came online for system generation needs on September 29, 2024, and remains online and fully
19 available. As further outlined in Section 7.2.6, high-pressure heater number 6 is not available for service
20 this year due to a tube leak. High-pressure heaters numbers 4 and 5 remain in service; this does not
21 impact the ability of the unit to operate reliably at full load for this winter.

22 Unit 2 came online for system generation needs on October 11, 2024. As indicated in Appendix B, most
23 start-up checks are complete on this unit, with those remaining scheduled to be completed prior to
24 December 1, 2024.

25 Unit 1's return to service is extended to mid-January 2025 due to the additional work required during
26 the Overhaul Unit 1 Turbine Valves and Generator Program to refurbish the turbine rotor.¹⁷ As indicated

¹⁶ 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.

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 in Appendix B, most start-up checks have not been completed on this unit due to the ongoing outage.
2 The start-up checks will commence in preparation to return the unit to service, with the remainder
3 completed when the unit is started up for system generation needs. Full load capability is expected from
4 this unit when it is returned to service.

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

7 **4.2 Combustion Turbine Generation**

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

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

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

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

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

21 **4.3 Hydraulic Generation**

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

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

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

9 **4.4 Transmission and Terminal Stations**

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

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

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

21 The status of AWP and WR execution for the Muskrat Falls Transmission Assets are summarized in
22 Section 2.6. The majority of 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 **4.5 Network Services**

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

5 **5.0 Generation Outage Schedule**

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

9 Since the previous report, maintenance programs have been completed on Unit 2 at the Holyrood TGS,
10 Muskrat Falls Unit 1, Upper Salmon, Hardwoods GT, and Bay d’Espoir Units 1 and 2. At this time,
11 maintenance activities continue on Unit 1 at the Holyrood TGS, and are now underway on Muskrat Falls
12 Unit 2 and Star Lake.¹⁹

13 The completion of annual maintenance outage activities remains outstanding on Holyrood CT, and the
14 LIL.²⁰

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

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

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

¹⁹ Star Lake was shut down on October 16, 2024, ahead of its planned outage scheduled for later that month, due to low reservoir levels and to preserve reservoir storage in advance of the winter period.

²⁰ Dates of LIL outages remain to be confirmed. As discussed in Section 7.6, outages have been proposed to accommodate DC current transformers (“DCCT”) replacements and high-power testing.

6.0 Critical Spares

6.1 Overview

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

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

A full update on the status of Hydro's critical spares, as of October 31, 2024, for the 2024–2025 winter season is provided in this report. This update includes a detailed listing of critical spares requirements for each area of generation operations and the status of each item. Hydro has added details on its critical spares for the Muskrat Falls generating assets in its WR reporting.

6.2 2024–2025 Winter Season

Hydro's critical spares status leading into the 2024–2025 winter season is strong. For thermal generation (Appendix F), CTs (Appendix G), and hydraulic generation (Appendix H), 2,532 critical spares have been identified by Hydro's three generation operations areas. Of this total, 2,515 items are in stock (>99%) and 17 items are in the procurement process.

Additionally, for the Muskrat Falls generation assets (Appendix I), 1,487 critical spares have been identified; 714 items are in stock, 418 items are in the procurement process and 355 items are not yet on order. As previously reported, a significant fire this spring in the community of Happy Valley-Goose Bay resulted in the total loss of the storage facility housing Hydro's Muskrat Falls generation critical spares.

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

6.2.1 Thermal Generation

As summarized in Table 2 there are four critical spare stock items currently not in stock. All of these items are on order through Hydro's Supply Chain Department. Requisitions have been sent out for

1 quotes on two of the items, with expected delivery dates to be determined upon issue of Purchase
 2 Orders. Purchase Orders have been issued for the other two outstanding items, with an expected
 3 delivery date of November 12, 2024. An update on all outstanding items will be provided in the
 4 December 2024 filing of the 2024–2025 Winter Readiness Planning Report.

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

- 7 **1) In Stock:** Part is in inventory;
- 8 **2) Non-Stock:** Part is critical but it is not necessary to keep it in stock (e.g., because the part is
 9 readily available locally);²¹ and
- 10 **3) On Order:** Part is required to be in stock but is not.

Table 2: Critical Spares for Thermal Generation

Status	Quantity
In Stock	754
On Order	4
Not Yet On Order	0
Total	758

11 6.2.2 Combustion Turbines

12 Table 3 summarizes the status of spare parts for the Hardwoods GT, Stephenville GT, Holyrood CT, and
 13 Happy Valley GT and Appendix G contains detailed lists for each CT. Items listed as On Order are
 14 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

²¹ For the Non-Stock parts, an explanation of the reason why it is Non-Stock is provided in the Notes column in Appendix F.

6.2.3 Hydraulic Generation

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

Table 4: Critical Spares for Hydraulic Generation

Status	Quantity
In Stock	1,216
On Order	12
Not Yet On Order	0
Total	1,228

The Upper Salmon T2 spare transformer remains outstanding but does not present a risk to WR.²² This spare transformer was delivered to Upper Salmon in August 2021 from a factory in Turkey; however, the unit was not accepted by Hydro due to unit damage most likely caused by an impact event that occurred during shipping from the factory.²³ The transformer was returned to Turkey in 2022 to be repaired and tested; however, challenges were encountered with the FAT²⁴ throughout 2023 and 2024. Hydro continues to work with the supplier to expedite repairs and deliver the transformer back to Upper Salmon, and expects the transformer to be returned to Upper Salmon in late November 2024.

One outstanding critical spare was ordered in the fourth quarter of 2024 for the failed 600 V water heater for Bay d’Espoir Surge Tank 3. This spare remains on order, and is expected to be delivered by the end of 2024.²⁵

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

6.2.4 Muskrat Falls Generation

A significant fire in spring 2024 in the community of Happy Valley-Goose Bay resulted in the total loss of the storage facility housing Hydro’s Muskrat Falls generation critical spares. As a result, a significant effort has been undertaken to replenish the critical spares inventory, and Hydro has in stock nearly half of its critical spares. The remaining parts are at various steps within the procurement process. At this

²² 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.

²³ The unit was initially shipped off site to a manufacturer-affiliated repair facility in the USA for inspection, testing and repair.

²⁴ Factory Acceptance Testing (“FAT”).

²⁵ Please refer to Section 7.1.4 for a summary of the risk and risk mitigation associated with this item.

1 time, Hydro is still evaluating the risk to WR, and should any outstanding parts become critical to winter
 2 operation, it may be possible for Hydro to utilize parts from Unit 2, if necessary.

3 Table 5 provides an overview of the critical spares program for Muskrat Falls generation and Appendix I
 4 contains a detailed spares list for the facility. Hydro has prioritized ordering of items based on WR, and
 5 continues to evaluate its identification of critical spares to set an appropriate target for the purpose of
 6 WR. An update will be provided in the December 2024 filing of the 2024–2025 Winter Readiness
 7 Planning Report.

Table 5: Critical Spares for Muskrat Falls Generation

Status	Quantity
In Stock	714
On Order ²⁶	418
Not Yet On Order	355
Total	1,487

8 **7.0 Risk and Risk Mitigation**

9 Hydro’s readiness planning for the 2024–2025 winter season is progressing towards completion. Hydro
 10 anticipates that all generation will be available by December 1, 2024, with the exception of Unit 1 at the
 11 Holyrood TGS and Unit 2 at Muskrat Falls. Potential system risks and associated mitigation plans are
 12 provided in the sections that follow. The System Energy Capability section, included in the previous
 13 2024–2025 Winter Readiness Planning Report,²⁷ has been excluded given an update will be provided in
 14 Hydro’s November 2024 Near–Term Reliability Report.

15 **7.1 Bay d’Espoir Operations**

16 Bay d’Espoir generation is expected to be fully available by December 1, 2024. Four risks to WR and/or
 17 reliable operations are identified in Sections 7.1.1 to 7.1.4.

²⁶ Items listed as On Order are all on order through Hydro’s Supply Chain Department in varying stages of procurement; including the requisition, quote or purchase order stage.

²⁷ “2024–2025 Winter Readiness Planning Report,” Newfoundland and Labrador Hydro, rev. October 13, 2024 (originally filed October 10, 2024).

1 **7.1.1 Bay d’Espoir Penstocks**

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

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

9 The inspection of Penstock 1 was completed in October 2024, and although minor indications were
10 found, it was determined that these indications posed no material concerns that would impact the
11 penstock through the upcoming winter operating period. This decision was made considering the
12 ongoing operational restrictions to limit starts, stops and rough operation as well as the fact that
13 Penstock 1 is scheduled to be dewatered in spring of 2025 for commencement of life extension work.

14 Although Hydro has mitigated the risk of penstock failure to the extent possible, there is residual risk
15 that a failure could occur before further life extension work is completed.²⁸ Modifications remain in
16 place, which are designed to limit the amount of rough zone operation, as well as the more prescriptive
17 operating regime for Units 1 and 2.²⁹ 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.

20 **7.1.2 Hinds Lake Unit Vibration and Shaft Seal Leakage**

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

24 The Hinds Lake Unit will be available at full capacity this coming winter. Hydro continues to monitor
25 both issues, and to mitigate risk should concerns worsen, Hydro has proceeded with the procurement of

²⁸ 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.

²⁹ 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 bearing components and replacement parts for the shaft seal to ensure they are on hand in the event an
2 outage is required.³⁰ If unit condition does not worsen, Hydro intends to replace the procured parts
3 during the planned 2026 overhaul.

4 **7.1.3 Bay d’Espoir Unit 7 Generating Bearing Coolers**

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

7 Initial investigation revealed that all four bearing coolers had experienced tube failures. Hydro used two
8 available spares in inventory and worked with a local fabricator to assemble the outstanding coolers and
9 return the unit to service in August 2024. In the near term, Hydro has identified that there is a risk of the
10 re-assembled coolers developing a leak, which would result in an outage of approximately six to seven
11 days to install the new coolers.

12 Hydro has initiated procurement of two new coolers to replace the re-assembled coolers with
13 anticipated delivery by mid-November 2024, and intends to complete installation prior to the winter
14 operating season.

15 **7.1.4 Bay d’Espoir Surge Tank 3 Heating System**

16 As a result of the failure of the 600 V water heater for Surge Tank 3 in October 2024, the de-icing system
17 for this surge tank is currently not functional. The de-icing system is designed to eliminate the risk
18 associated with ice formation at the top of the surge tank. In the event of a unit trip or other abnormal
19 conditions, the surge tank functions to alleviate pressure associated with abrupt changes in operation. If
20 this occurs during the winter period, it is crucial to ensure ice cover at the top of the surge tank does not
21 impede the dissipation of this pressure. Failure to remove ice cover could result in significant damage to
22 generation assets, potentially causing a forced outage of the two hydraulic units associated with the
23 surge tank.

24 Hydro has initiated procurement of two water heaters, one as a replacement for the failed heater, and
25 the other to supplement critical spare inventory. Delivery of the water heaters is expected in early
26 December, and Hydro plans to replace the failed heater upon arrival. Until replacement occurs, Hydro
27 will continue to closely monitor weather conditions to identify those which promote the formation of

³⁰ Procurement is ongoing within Hydro’s Hydraulic In-Service Failure Program.

1 ice cover in the surge tank. If the heater is not replaced before icing conditions occur, Hydro will
2 mitigate risk through increased operational monitoring.

3 **7.2 Holyrood Thermal Generating Station Operations**

4 In accordance with capacity requirements as specified by Hydro in its 2024 Resource Adequacy Plan,³¹
5 Hydro has recommended that all three Holyrood TGS units remain available through the “Bridging
6 Period” while Hydro seeks to develop new long-term sources of supply.³²

7 In 2024, Hydro is completing an assessment of costs beyond 2030 and a refresh of the capital plan
8 presented in the 2021 Life Extension Condition 1 Assessment (“LECA”) Study.^{33,34} It is recognized that
9 increased age can result in an increased risk of in-service failures. Hydro mitigates this risk through
10 regular overhaul programs on major components, increased condition assessment work, and a robust
11 critical spares program.

12 Hydro anticipates that Units 2 and 3 at the Holyrood TGS will be fully available for the winter period.
13 Both units have been returned to service after their 2024 annual outage, and are currently online with
14 no operational concerns. As discussed in Section 7.2.3, Unit 1 is undergoing major overhaul of the steam
15 turbine and, due to unexpected work found during this project, its return to service date has been
16 extended to mid-January 2025. Items influencing WR and/or reliable operations are identified in
17 Sections 7.2.1 to 7.2.7.

18 **7.2.1 Unit 3 Steam Chest Crack**

19 Hydro has been monitoring a crack in the Unit 3 turbine steam chest since 1998. A repair completed by
20 the OEM in 2001 was expected to prevent further crack growth for approximately 15 to 25 years. In
21 2019, some growth was observed, and a study completed by the OEM in February 2023 recommended

³¹ “2024 Resource Adequacy Plan – An Update to the Reliability and Resource Adequacy Study,” Newfoundland and Labrador Hydro, rev. August 26, 2024 (originally filed July 9, 2024).

³² 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 GT and the Hardwoods GT until their capacities can be adequately replaced.

³³ “Assessment to Determine the Potential Long-Term Viability of the Holyrood Thermal Generating Station,” Newfoundland and Labrador Hydro, March 31, 2022, att. 2.

³⁴ 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.

1 re-inspection of the crack after nine start-stop cycles. As the 2024 inspection found no crack growth, the
2 unit is cleared for operation for the 2024–2025 winter. Should stop-start cycles be kept within the
3 normal range for this unit, no further inspection of the crack will be required until summer 2025.³⁵
4 Hydro intends to remediate this crack in 2025 under the proposed project to overhaul the Unit 3 steam
5 turbine.³⁶

6 **7.2.2 Unit Boiler Tubes**

7 Each of the three thermal generating units at the Holyrood TGS has a boiler that contains tubes, the
8 failure of which are a common issue in thermal power plants.³⁷ To mitigate the possibility of tube
9 failures, Hydro conducts a thorough annual tube inspection and test program, which was executed
10 during the 2024 annual outage season, and is scheduled to reoccur in 2025. Hydro has determined that
11 the boiler tube sections as a whole are in good condition; however, tube failures continue to pose a risk.
12 Hydro maintains a thorough selection of spare tube material and a contract with an experienced boiler
13 contractor for the provision of emergency repairs in the event of tube failures.

14 **7.2.3 Unit 1 and 2 Turbine Last Stage Blades**

15 Following the 2021 discovery and repair of a crack on one of the last stage blades (“LSB”), or L-0 blades,
16 on the turbine rotor of Unit 1³⁸ the OEM, GE³⁹ identified both Unit 1 and Unit 2 as being at risk of L-0
17 blade failure due to similar age and operating history. Rotor in-situ inspections completed in spring 2023
18 found Unit 2 to be at higher risk, as three cracks were found on Unit 2, and none on Unit 1.

19 In 2023, Hydro proceeded with an approved project to replace the L-0 blades on Unit 2, and during
20 execution it was found that the second LSBs, or L-1 blades also required replacement. Although the OEM
21 considers it to be low, some risk to unit operation remains, due to higher–than–expected bearing
22 vibration readings. Readings were within the acceptable range for long-term unrestricted operation
23 when the unit was returned to service for commissioning in April and May 2024, and the OEM expects

³⁵ 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.

³⁶ Included in the scope of the “2025 Capital Budget Application,” Newfoundland and Labrador Hydro, July 16, 2024, sch. 7, prog. 1.

³⁷ 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.

³⁸ 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.

³⁹ General Electric (“GE”).

1 further operation of the unit to have a positive impact on vibration. Unit 2 has since been returned to
2 service for the 2024–2025 winter operating season. Vibration levels remain elevated, but within the
3 acceptable range for long-term unrestricted operation. Hydro is monitoring these vibration levels, and
4 expects to see improvement over the coming months of operation.

5 The approved project to overhaul the Unit 1 turbine and replace the L-0 and L-1 blades⁴⁰ on this unit is
6 currently in progress at the GE shop in the USA. Blade replacement is complete; however, it was found
7 that additional work would be required to restore the bearing journals.⁴¹ This additional work is nearly
8 complete, with the rotor delivered back to site in early November, 2024. As such, Unit 1 is expected to
9 return to service in mid-January 2025.⁴²

10 **7.2.4 Air Compressors**

11 As a result of a recent failure, Hydro has two of its three air compressors available for service for the
12 2024–2025 operating season. A replacement for the failed compressor has been ordered; however, site
13 delivery is not expected until after the 2024–2025 winter season. In order to supply the necessary
14 compressed air to the various systems for which it is required, and provide system redundancy, Hydro
15 has secured a 900 CFM⁴³ portable air compressor to temporarily connect to the system. The portable air
16 compressor is an acceptable short-term solution and creates minimal risk to operational reliability. This
17 unit will remain on site and in service as required until the failed compressor is replaced.

18 **7.2.5 Fuel Tank 4 Inspection and Refurbishment**

19 The approved project is underway to complete the overhaul of Fuel Tank 4 in 2024.⁴⁴ It is expected that
20 the tank will be available for use prior to December 1, 2024, upon completion of the internal inspection
21 and refurbishment work.

⁴⁰ “2024 Capital Budget Application,” Newfoundland and Labrador Hydro, rev. September 21, 2023 (originally filed July 12, 2023), sch. 6, prog. 2.

⁴¹ 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.

⁴² 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.

⁴³ Cubic feet per minute (“CFM”).

⁴⁴ “2024 Capital Budget Application,” Newfoundland and Labrador Hydro, rev. September 21, 2023 (originally filed July 12, 2023), sch. 6, proj. 6.

1 To maintain three-tank operation, Tank 2 was kept in service as an emergency measure for the winter of
2 2023–2024 because of the Tank 1 leak that was discovered in September 2023.^{45,46} Tank 2 will be kept
3 available for service as a contingency until the Tank 4 overhaul is complete and returned to service in
4 2024, at which time Hydro will proceed with plans to retire Tank 2.⁴⁷

5 **7.2.6 High Pressure Feed Water Heaters**

6 In recent years, Hydro has experienced increasing difficulty in operating the high pressure (“HP”)
7 feedwater heaters, with the majority of the heaters unavailable for service during the 2023–2024
8 operating season due to tube bundle leaks.⁴⁸ The units can be operated reliably at full load without the
9 HP feedwater heaters in service; however, extended operation without the heaters can cause
10 premature failures of turbine and boiler components.

11 In 2024,⁴⁹ Hydro began a condition assessment program, under which all heaters will be opened for
12 internal inspection and tube testing over the next two years. In 2024, one heater from each unit with a
13 known tube leak was identified for assessment. The intention was that tube leaks would be corrected
14 while completing the condition assessment, with the goal of a minimum of two of the three heaters on
15 each unit returned to service for the 2024–2025 operating season.

16 Upon internal inspection, the selected heaters were found to be in worse condition than expected, with
17 two unable to be returned to service and one identified that requires replacement.⁵⁰ Again for the
18 2024–2025 winter season, most HP heaters will be unavailable; however, as the units can be operated
19 reliably at full load without the heaters in service, the risk to the Holyrood TGS for this winter operating
20 season is low.

⁴⁵ 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.

⁴⁶ Please refer to the “2023–2024 Winter Readiness Planning Report” Newfoundland and Labrador Hydro, October 13, 2023, pp. 16-17.

⁴⁷ “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.

⁴⁸ 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.

⁴⁹ “2024 Capital Budget Application,” Newfoundland and Labrador Hydro, rev. September 21, 2023 (originally filed July 12, 2023), sch. 6, prog. 6.

⁵⁰ 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.

1 **7.2.7 Unit 2 and 3 Boiler Feed Pump Gland Seal Strainers**

2 Each unit at the Holyrood TGS has two boiler feed pumps that supply high-pressure water to the boilers
3 for the production of steam. To seal the ends of the pump (glands) where the rotating shaft extends
4 through, water is injected under pressure. This water is known as gland seal water, and its injection into
5 the glands prevents the escape of high-pressure feedwater around the shaft. Before the seal water
6 reaches the glands, it passes through a strainer, which is designed to remove debris from the water and
7 prevent the debris from entering the glands, where it could cause damage to the pump. The strainers
8 are designed so that they can be cleaned without taking the pumps out of service.

9 The gland seal strainers on Unit 2 and 3 are original and require replacement. While they are still
10 effective in preventing debris from entering the glands, they can no longer be operated as designed to
11 allow online cleaning. If the strainer fouls to the extent that the flow of seal water to the glands is
12 compromised, it will be necessary to take the affected unit offline to clean or replace the strainer, which
13 could result in a forced outage of four to five days. Based on Hydro's operational experience, fouling of
14 the strainers is very unlikely to occur; as such, the risk of this forced outage is low.

15 Hydro intended to replace the strainers during the 2024 outage season, with replacements ordered for
16 all three units; however, due to delivery delays, the new strainers could not be installed in Units 2 and 3
17 prior to their return to service.⁵¹ At this time, Hydro considers the risk of strainer fouling on Units 2 and
18 3 to be insufficient to take the forced outage required for replacement. Operational monitoring of the
19 gland seal pressure will enable Hydro to be proactive in scheduling an outage for replacement, in the
20 unlikely event that it occurs. Should the units need to come offline for other reasons, Hydro intends to
21 replace the strainers at that time. An update will be provided in the December 2024–2025 Winter
22 Readiness Planning Report.

23 **7.3 Generator Step-Up Transformer Spares**

24 Generator Step-Up Transformer 6 was repaired by the OEM in January 2024 following its failure in July
25 2023, and is available for use as a spare at Bay d'Espoir, Granite Canal, or Upper Salmon.⁵²

⁵¹ The new strainers are expected to be delivered to site on November 15, 2024. As Unit 1's return to service is extended to mid-January 2025, Hydro intends to replace the strainers on this unit before it comes back online.

⁵² 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.

1 Hydro does not currently have a spare for the Holyrood TGS generator step-up transformers, and is in
2 the process of procuring a spare.⁵³ This spare is not expected to be delivered until the third quarter of
3 2028 due to increasing power transformer lead times.

4 **7.4 Combustion Turbine Operations**

5 Hydro anticipates that all CTs will be fully available by December 1, 2024. Existing risk to WR and/or
6 reliable operations related to CT operations are discussed in Section 7.4.1.

7 **7.4.1 Hardwoods Gas Turbine – End A Engine Overhaul**

8 During a recent inspection, internal damage was found on the high-pressure turbine normal guide vane
9 seals of the engine installed in End A at the Hardwoods GT. While the damage was relatively minor in
10 nature, the location of the damage and age of the engine will require that the engine be removed from
11 service and sent to a facility for overhaul, to eliminate the risk of a catastrophic failure. The damaged
12 engine was removed and its spare installed during the planned maintenance outage which concluded in
13 early November 2024.

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

19 **7.5 Transmission and Terminal Stations**

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

22 **7.5.1 Bay d’Espoir B1B10-2 Replacement**

23 The Bay d’Espoir Disconnect Switch B1B10-2 replacement was originally planned for installation in 2023,
24 but was carried over to 2024 due to late delivery of the new disconnect switch. The B1B10-2
25 replacement is now planned to carry over to 2025, as the scope of work requires the usage of a 100-foot
26 insulated aerial device which is not expected to arrive onsite prior to the 2024 outage period.⁵⁴ The

⁵³ “Purchase Spare Generator Step-Up Transformer,” Newfoundland and Labrador Hydro, September 21, 2023, approved in Board Order No. P.U. 28(2023).

⁵⁴ The aerial device is required to ensure Bus 10 at Bay d’Espoir can remain in service for the duration of the work.

1 overall risk to reliability is low; however, to minimize risk this winter, B1B10-2 is currently bypassed to
2 avoid any potential system impacts as a result of switching. An infrared scan of the bypassed
3 connections will be completed in the fourth quarter of 2024.

4 **7.5.2 St. Anthony Diesel Plant Transformer T1 Tap Changer Refurbishment**

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

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

17 **7.6 Muskrat Falls Assets**

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

21 **7.6.1 Repair Muskrat Falls Unit 2 Turbine**

22 This program is to repair the Unit 2 turbine, which will result in the unit being unavailable for the 2024–
23 2025 winter season. The expected return to service date for this generating unit is mid-May 2025.

24 As recommended by the OEM and reported by The Liberty Consulting Group in its June 2023 monitoring
25 report, vibration issues observed on Unit 2 require permanent corrective action, including full unit
26 dismantling, to be completed under warranty by the turbine OEM.⁵⁵ There have been no issues with

⁵⁵ “Nineteenth Quarterly Monitoring Report on the Integration of Power Supply Facilities to the Island Interconnected System,”
The Liberty Consulting Group, June 8, 2023.

1 vibration, or the identification of other characteristics through internal inspections, which would
2 indicate a problem similar to that of Unit 2 on Units 1, 3, or 4.⁵⁶

3 The planned outage of Unit 2 does not impact WR, as three units generating at Muskrat Falls are
4 sufficient to support LIL deliveries to the Island Interconnected System, as well as firm contractual
5 commitments to Nova Scotia. Island Interconnected System demand can also be supported by the
6 Recapture Energy from Churchill Falls,⁵⁷ if required.

7 **7.6.2 Muskrat Falls Unit 1 Intake – Concrete Spalling**

8 During the planned annual outage to Unit 1, loose concrete was observed in the turbine scroll case. As a
9 result of some concrete passing through the turbine, further inspection indicated some scuffing on the
10 wicket gate lower operating ring, which has since been repaired. This damage did not affect the unit’s
11 output or availability.

12 ROV⁵⁸ inspection of the intake civil works identified an area where concrete had cracked and dislodged.
13 A specialized team traveled to site during the week of October 7, 2024, to assess the condition of the
14 remaining concrete in the area where spalling had been observed. Upon completion of further concrete
15 cutting and removal, sounding of the entire Intake Bay 3 lintel beam was completed with no further
16 areas identified for remedial action. Unit 1 was returned to service on October 16, 2024, with a final
17 repair to the intake civil works planned during next year's annual outage.

18 To mitigate risk should a similar incident occur this coming winter, Hydro has a response plan in place,
19 and has proceeded with the procurement of required materials to ensure they are on hand in the event
20 a repair is required.

21 **7.6.3 OPGW Tower Peak and Top Plate Design**

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

⁵⁶ 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.

⁵⁷ 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.

⁵⁸ Remote operated vehicle (“ROV”).

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

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

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

13 **7.6.4 Electrode Conductors**

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

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

24 **7.6.5 DCCT Cold Weather Operation**

25 In 2023, the OEM and Hydro’s Engineering teams determined that low ambient temperatures in the
26 Muskrat Falls high-voltage direct current (“HVdc”) Converter Station were influencing the measurement
27 accuracy of DCCT, resulting in false protection trips and power control issues on the LIL. The OEM
28 identified the root cause of the issue to be a manufacturing defect with the Delay Coil Fiber Optical

1 Cable located within the DCCTs; this issue occurred with a select batch of fiber optic cables, affecting
2 six⁵⁹ DCCTs at the Muskrat Falls HVdc Converter Station, which have since been replaced.⁶⁰

3 Recently, the OEM discovered additional DCCTs that require replacement due to cold temperature
4 issues.⁶¹ Two DCCTs have been identified to be replaced as a precaution based on site measurements;
5 with replacement targeted by the end of 2024. Five additional DCCTs have been identified as low risk for
6 this issue, and are being targeted for replacement during maintenance outages in 2025. Hydro will
7 continue to monitor the issue, and an update will be provided in the December 2024 filing of the 2024–
8 2025 Winter Readiness Planning Report.

9 **7.6.6 Cable Switching Transients**

10 In 2023, an issue with cable transients during switching of the Strait of Belle Isle cables at the transition
11 compounds in Shoal Cove and Forteau Point was identified. Hydro worked with GE and equipment
12 suppliers to ensure that necessary equipment and supplies were in place to complete repairs, with new
13 equipment successfully installed in mid-October 2024. Subsequent testing confirmed that the
14 modifications have addressed the transients; as such, this issue will no longer restrict LIL dispatch levels
15 or the completion of the 900 MW test.

16 During testing of the cable connect sequence while transferring 500 MW, an unrelated Neutral Bus
17 Overvoltage protection operated. The root cause for this protection operation has been identified, and a
18 protection setting adjustment has been implemented and was tested on November 6, 2024. The testing
19 was successful and Hydro lifted the 450 MW restriction on the LIL on November 8, 2024, and the asset is
20 now available to operate up to 700 MW.

21 **7.6.7 Synchronous Condenser Brush Gear Assemblies**

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

⁵⁹ In the previous report, five DCCTs were identified to have been replaced. One additional DCCT was recently discovered and replaced in late September, bringing the overall total to six.

⁶⁰ 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.

⁶¹ While none of these additional DCCTs have experienced issues associated with cold temperatures, there are indicators the issue could present itself; therefore, as a precaution, they have been identified for replacement.

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

- 4 • 12 brushes per ring removed (24 total) on each unit to increase the current density (heat) on
5 remaining brushes in an effort to improve patina development⁶² and overall brushgear
6 performance;
- 7 • Maintaining the machine hall temperature near 20°C;
- 8 • Nord-lock washers installed on holders to lessen the likelihood of brush holders vibrating loose
9 and contacting the running face of the slip ring;
- 10 • Humidity levels being measured and trended by Hydro’s Engineering team to ensure brushes are
11 operating in ideal conditions to support patina development;
- 12 • Managing system voltages to increase load on synchronous condensers (i.e., increase current
13 density); and
- 14 • Regular inspections performed to identify changes in performance, allowing for early
15 intervention prior to damages.

16 In spring 2024, the existing slip ring was removed from synchronous condenser 1 (“SC1”), and sent for
17 machining to correct a runout causing excessive brush vibration. At this time, a modified brush with the
18 ability to operate in a higher vibration environment was also provided by the OEM and installed. These
19 modifications have resulted in improved performance to date. Hydro’s Engineering and Operations
20 teams will continue to monitor the overall impact of these changes, with the potential to complete this
21 work on SC2 and SC3 in 2025. Additionally, GE has been working with a different brushgear
22 manufacturer, and has proposed a different brush assembly with a more robust spring design to lessen
23 the likelihood of spring failure. This design will be installed on SC3 for performance evaluation in early
24 spring 2025.

⁶² 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 **7.6.8 LTA GIS Wiring Issue**

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

8 Through field troubleshooting, it was determined that the root cause was a wiring issue with the breaker
9 that caused the trip. The team rewired the circuit and the issue has been resolved. Due to this circuit
10 breaker issue, scheduled outages to other equipment in the terminal station had to be cancelled,
11 impacting the completion of preventative maintenance work.

12 Hydro is working with the OEM to determine if opportunities are available to complete remaining PM
13 work this fall; however, it is likely that some tasks will have to be deferred. Hydro is actively reviewing
14 work scopes to prioritize the completion of the most critical work and minimize operational risk.

15 **8.0 Conclusion**

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

24 Hydro will continue to monitor the risks to WR as reported in Section 7.0 and provide a further update in
25 its next 2024–2025 Winter Readiness Planning Report, scheduled to be filed on December 10, 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-Nov-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 - Overhaul Pumps (2024)	Complete
Thermal Generation	Holyrood - Refurbish Fuel Oil Storage Tank 4 (2024)	8-Nov-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
Combustine Turbine Generation	Happy Valley – Replace Human Machine Interface	Complete
Combustine 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	29-Nov-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

23-Oct-24



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

Plant: Holyrood Operations	Unit 1	Unit 2	Unit 3	Balance of Plant
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	Y	N/A
Black Start Test of the Black Start Systems is Performed Prior to the Winter Operating Season	N/A	N/A	N/A	Y
Perform Megger Testing of 600 V Motors Prior to the Winter Operating Season	N/A	Y	Y	Y

Safety	Unit 1	Unit 2	Unit 3	Balance of Plant
Boiler Service Pressure Test Performed as Required by Regulator	S/U	Y	Y	N/A
Safety Valves Testing as Required (Post Start-Up)	S/U	S/U	Y	N/A
Boiler Operational Offline High/Low Drum Level Trip Tests	S/U	Y	Y	N/A
Hydrogen ("H ₂ ") Emergency Venting Valving	S/U	Y	Y	N/A
Breaker and Disconnect Operation Verified by Operations Department and Whitbourne Crew	S/U	Y	Y	N/A

Service Air and Instrument Air Systems	Unit 1	Unit 2	Unit 3	Balance of Plant
All Stationary Air Compressors Available	N/A	N/A	N/A	N/A
All Portable Air Compressors Available	N/A	N/A	N/A	Y
Air Compressor Operational Checks Performed (e.g., Oil Levels, Cooling Water, etc.)	N/A	N/A	N/A	Y
Air Compressor Standby/Sequencing Capability	N/A	N/A	N/A	Y

Raw and Makeup Water System	Unit 1	Unit 2	Unit 3	Balance of Plant
Quarry Brook Dam Integrity	N/A	N/A	N/A	Y
Raw Water Sump Water Supply Control Valve Operational	N/A	N/A	N/A	Y
Raw Water Pumps Operational	N/A	N/A	N/A	Y
Adequate Supply of Chemicals (1172, 1179, Polymer, etc.)	N/A	N/A	N/A	Y
1172, 1179, Polymer Injection Pumping Sets, Pumps, Valves, Lines, Agitators, etc. Operational	N/A	N/A	N/A	Y
Portable Diesel Pump Check of Emergency Plant Water Supply from Quarry Brook Dam	N/A	N/A	N/A	Y
Adequate and Readily Available Supply of Hoses for the Portable Diesel Pump from Quarry Brook Dam to Plant	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.



Holyrood Thermal Generating Station
Winter Readiness Testing

23-Oct-24

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

Raw and Makeup Water System and Water Treatment Plant				
	Unit 1	Unit 2	Unit 3	Balance of Plant
Instrumentation and Controls Operational	S/U	Y	Y	N/A
Analytical Rack Sample Cooler Filters Cleaned/Replaced as Required	S/U	Y	Y	N/A
Analytical Rack Sample Coolers Cooling Water In Service	S/U	Y	Y	N/A
Two Sample Cooling Water Pumps Availability	N/A	N/A	N/A	Y

Clarifier				
	Unit 1	Unit 2	Unit 3	Balance of Plant
Clarifier Recirculator, Variable Frequency Drive ("VFD") Motor, VFD Controller	N/A	N/A	N/A	Y
Clarifier Recirculator Scraper	N/A	N/A	N/A	Y
Clarifier Badger Meter and Clearwell Instrumentation	N/A	N/A	N/A	Y

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

Deminerlization System				
	Unit 1	Unit 2	Unit 3	Balance of Plant
Cation and Anion Trains (A, B and C) Resin Integrity	N/A	N/A	N/A	Y
Adequate Supply of Chemicals (Caustic Soda, Sulphuric Acid, 1172, 1179, Polymer, etc.)	N/A	N/A	N/A	Y
Sulphuric Acid and Caustic Soda Transfer Pumps, Valves, Lines, etc.	N/A	N/A	N/A	Y
Sulphuric Acid and Caustic Soda Regeneration Sets, Pumps, Valves, Lines, etc.	N/A	N/A	N/A	Y
Caustic Injection Pumping Sets, Pumps, Valves, Lines, Agitators, etc.	N/A	N/A	N/A	Y
Brine Injection Pumping Sets, Pumps, Valves, Lines, Agitators, etc.	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.

Holyrood Thermal Generating Station
Winter Readiness Testing

23-Oct-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	Y	Y	N/A
RFW Transfer Pumps Operational	S/U	Y	Y	N/A

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

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

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

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

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

Miscellaneous	Unit 1	Unit 2	Unit 3	Balance of Plant
Economizer 'Manual' Operated Valve Operational	S/U	Y	Y	N/A
Economizer Motorized Recirculation Valve Operational (Unit 3)	N/A	N/A	Y	N/A
Boiler Drum Level Instrumentation Operational	S/U	Y	Y	N/A
HP Heater Bled Steam Check Valves Operational	S/U	S/U	Y	N/A
Start-Up Desuperheater Steam and Water Valving Operation/Position Verified	S/U	Y	Y	N/A
Main Steam and Reheat Steam Desuperheater Spray Water Isolators and Control Valves Operational	S/U	Y	Y	N/A
Auxiliary Steam Desuperheater Spray Water Control Valve Operational	N/A	N/A	Y	N/A

Low Pressure ("LP") Feedwater System	Unit 1	Unit 2	Unit 3	Balance of Plant
Condenser				
Condenser Hotwell Makeup/Surplus Control Valves Operation Verified	S/U	Y	Y	N/A
Condenser Hotwell Makeup Motorized Isolating Valve Operation Verified	S/U	Y	Y	N/A
Condenser Dye Test for Leaks, as Required	S/U	Y	Y	N/A

Ammonia and Control System	Unit 1	Unit 2	Unit 3	Balance of Plant
Adequate Supply in Place	Y	Y	Y	N/A
Pumps Operational	S/U	Y	Y	N/A
Control Instrumentation Operational	S/U	Y	Y	N/A

Condensate Extraction Pumps	Unit 1	Unit 2	Unit 3	Balance of Plant
Condensate Extraction Pumps Available	S/U	Y	Y	N/A
Condensate Extraction Pump Motors Bearing Oil Normal Operating Level	S/U	Y	Y	N/A
Condensate Extraction Pump Motor Cooling Water Available (Unit 3)	N/A	N/A	Y	N/A

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Holyrood Thermal Generating Station
Winter Readiness Testing

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

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

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

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

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

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

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Holyrood Thermal Generating Station
Winter Readiness Testing

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

Air and Flue Gas System	Unit 1	Unit 2	Unit 3	Balance of Plant
Instrumentation and Control Operational	S/U	Y	Y	N/A

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

Rotary Air Heaters	Unit 1	Unit 2	Unit 3	Balance of Plant
Rotary Air Heaters Operational	S/U	Y	Y	N/A
Rotary Air Heaters Bearing Oil (Top and Bottom) Normal Operating Level	S/U	Y	Y	N/A
Rotary Air Heaters Bearing Cooling Water On	S/U	Y	Y	N/A
Rotary Air Heaters Electric Motor Drives Operational	S/U	Y	Y	N/A
Rotary Air Heaters Air Supply to Air Heater Air Motor Drives Open	S/U	Y	Y	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	Y	Y	N/A
Rotary Air Heaters Steam Supply Control Valves Operational (*Note: Two Steam Supplies on Units 1 and 2)	S/U	Y	Y	N/A
Rotary Air Heaters Sootblowers Operational	S/U	Y	Y	N/A

Boiler Sootblowing System	Unit 1	Unit 2	Unit 3	Balance of Plant
Sootblower Control Panel Operational	S/U	Y	Y	N/A
Sootblowers Steam Supply Control Valve Operational	S/U	Y	Y	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	Y	Y	N/A

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Holyrood Thermal Generating Station
Winter Readiness Testing

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

Light Fuel Oil System	Unit 1	Unit 2	Unit 3	Balance of Plant
Hydro Pad Operational	S/U	Y	Y	N/A
Light Oil Pumps Available	S/U	Y	Y	N/A
Pumps, Valves (Including Control and Trip), Lines, Strainers, Pressure (Locally and UCB)	S/U	Y	Y	N/A
Check Light Oil Supply and Return Lines to/from Plant Respectively	S/U	Y	Y	N/A
Suction Strainers Cleaned with Covers Secured	S/U	Y	Y	N/A
Ignitors Cleaned, Securely in Place with Associated Lines Securely Fastened	S/U	Y	Y	N/A
Ignitors all Checked for Operation During Unit Start-Up (e.g. Ignitor Control Box, Valve Operation, Lighting, etc.)	S/U	Y	Y	N/A

Fuel Oil Delivery System, Auxiliary Steam and Fuel Oil Piping System	Unit 1	Unit 2	Unit 3	Balance of Plant
Adequate Heavy Oil Storage	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	Y
Adequate Light Oil Storage	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
All Storage Tanks Suction Heaters Available when Required	N/A	N/A	N/A	Y
All Storage Tanks Flatform Heaters Available when Required	N/A	N/A	N/A	N/A
Auxiliary Steam for Suction Heaters Available	N/A	N/A	N/A	Y
Auxiliary Steam for Flatform Heaters Available	N/A	N/A	N/A	N/A
Auxiliary Steam for Heat Tracing Available	N/A	N/A	N/A	Y
Electrical Heat Tracing for Fuel Oil Lines Available	N/A	N/A	N/A	Y
Day Tank Supply Line Trip Valve Tested	N/A	N/A	N/A	Y
Day Tank Available to Receive Oil	N/A	N/A	N/A	Y
Day Tank Steam Coil Available	N/A	N/A	N/A	Y

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Holyrood Thermal Generating Station
Winter Readiness Testing

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

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

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

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

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Holyrood Thermal Generating Station
Winter Readiness Testing

23-Oct-24

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

Fuel Additive System				
Adequate Supply Available	Y	Y	Y	N/A
Pumps Available	S/U	Y	Y	N/A
Tanks, Agitators, etc. Available	N/A	N/A	N/A	N/A

GS System				
GS Heat Exchangers Backwashed, Cleaned, etc.	Y	Y	Y	N/A
Stage I GS Plate Cooler Strainers Cleaned	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	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				
TG Head Tank Normal Operating Level	S/U	Y	Y	N/A
Turbine Lube Oil Coolers Operational	S/U	Y	Y	N/A
TG Heat Exchangers Backwashed, Cleaned, etc.	S/U	Y	Y	N/A
TG Pump Oil Normal Operating Level	S/U	Y	Y	N/A
TG Pumps Available and Tested for Standby 'Auto-Start'	S/U	Y	Y	N/A

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Holyrood Thermal Generating Station
 Winter Readiness Testing

23-Oct-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	Y	N/A
Hydraulic System Storage Tank Normal Operating Level and Checked for Moisture Content	S/U	Y	N/A
Hydraulic System Storage Tank Air Purging of Moisture in Place	S/U	Y	N/A
Hydraulic Set Primary, Secondary Filter Indications Ok	S/U	Y	N/A
Two Hydraulic Fluid Pumps Availability	S/U	Y	N/A
Hydraulic Pump Auto-Start Testing	S/U	Y	N/A
Two Hydraulic Fluid Pump Coolers Availability	S/U	Y	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	Y	N/A
Turbine Two Main Stop Valves Testing (Unit 3)	N/A	N/A	Y
Turbine 'Left-Hand' and 'Right Hand' Reheat Stop and Intercept Control Valve Testing Verified	S/U	Y	Y
Turbine Six Main Control Valve Operation (Units 1 and 2)	S/U	Y	N/A
Turbine Four Main Control Valve Operation (Unit 3)	N/A	N/A	Y
Turbine Blowdown Valve Operation	S/U	Y	Y

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Holyrood Thermal Generating Station
Winter Readiness Testing

23-Oct-24

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

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

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

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

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**Holyrood Thermal Generating Station
Winter Readiness Testing**

23-Oct-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	Y
Electrolyzer/H ₂ Generator Operational	N/A	N/A	N/A
Chiller Operational	N/A	N/A	N/A
DI Water Purifier Operational	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	Y	Y
CO ₂ Adequate Bulk Packs on Hand	N/A	Y	Y

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

23-Oct-24



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

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Holyrood Thermal Generating Station
 Winter Readiness Testing

23-Oct-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
UPS #1 Room	N/A	N/A	N/A
Generator Excitation and UPS #'s 2, 3 and 4 Room (Unit 3)	N/A	N/A	N/A

Plant Heating Steam			
All Systems Operational for When Required	N/A	N/A	N/A
			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 Hydraulic Generating Facility
22-Oct-24



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.	✓	✓	✓	✓	✓	✓	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	✓	✓	✓	✓	✓	✓	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	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	✓	✓
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	✓	✓	✓	✓	✓	✓	N/A	N/A
Governor System Annual PM Complete	✓	✓	✓	✓	✓	✓	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	✓	✓	✓	✓	✓	✓	N/A	N/A
Generator Exciter Available	✓	✓	✓	✓	✓	✓	N/A	N/A
Brush Condition Verified	✓	✓	✓	30-Oct	31-Oct	21-Nov	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 Hydraulic Generating Facility
22-Oct-24



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	✓	✓	✓	✓	✓	✓	N/A	N/A
Oil Level System Turbine Metering Available	✓	✓	✓	✓	✓	✓	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	✓	✓	✓	✓	✓	✓	N/A	N/A
Operate Breaker PM Complete (TRO)	✓	✓	✓	✓	✓	✓	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	✓	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

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 Hydraulic Generating Facility
 22-Oct-24



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)
22-Oct-24

Cat Arm		Status of Test								
		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

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	✓	25-Oct	✓	N/A	✓	N/A

Spherical Valves										
Turbine Main Stop Valve Annual PM Complete	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbine Main Stop Valve Operational	✓	✓	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
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	N/A	✓	N/A	✓	N/A
Emergency Cooling Water Available Penstock Supply	✓	✓	N/A	N/A	✓	N/A	✓	N/A	✓	N/A
Cooling Water System Available	✓	✓	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
Shaft Seal System Available	N/A	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Rotary Strainer Inspected and Available	✓	✓	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	✓
Governor System Annual PM Complete	✓	✓	N/A	N/A	25-Oct	N/A	✓	N/A	✓	N/A
Governor System Available	✓	✓	N/A	✓	✓	N/A	✓	N/A	✓	N/A
Hydraulic Pump(s) Available	✓	✓	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)
22-Oct-24

Cat Arm		Status of Test								
		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	✓	✓	N/A	✓	N/A	25-Oct	N/A	✓	N/A	✓	N/A
Generator Exciter Available	✓	✓	N/A	✓	N/A		N/A	✓	N/A	✓	N/A
Brush Condition Verified	✓	✓	N/A	7-Nov	N/A	25-Oct	N/A	19-Nov	N/A	N/A	N/A

Lubricating System											
Oil Level System Generator Metering Available	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Oil Level System Turbine Metering Available	✓	✓	N/A	✓	N/A	✓	N/A	✓	N/A	✓	N/A
Alternating Current High Pressure Jacking Oil Pump Available Automatic	✓	✓	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)	✓	✓	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) 22-Oct-24

Cat Arm		Status of Test										
		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	✓	N/A	✓
129 V Battery Chargers												
N/A	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	✓	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	✓	N/A	✓
Emergency Diesel Generators												
Emergency Diesel Generators Tested for Emergency Stop												
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												
Control Rooms												
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	✓
Plant Heating Steam												
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

Appendix D

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





Muskrat Falls Hydroelectric Generating Station
22-Oct-24

	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.	✓	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	✓	N/A	✓	✓	✓	N/A
Instrumentation Controls functional and Alarms Operational	✓	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	✓	N/A	✓	✓	✓	N/A
Cooling Water System Available	✓	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	✓	N/A	✓	✓	N/A	N/A
Hydraulic System Accumulators Operational	✓	N/A	✓	✓	N/A	N/A
Governor System Annual PM Complete	✓	N/A	✓	✓	N/A	N/A
Governor System Available	✓	N/A	✓	✓	N/A	N/A
Hydraulic Pump(s) Available	✓	N/A	✓	✓	N/A	N/A
Generator						
Generator Exciter Operation Checked Offline and Online	✓	N/A	✓	✓	N/A	N/A
Generator Exciter Available	✓	N/A	✓	✓	N/A	N/A
Brush Condition Verified	✓	N/A	✓	✓	N/A	N/A
Excitation ground fault monitor operational & clear	✓	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
22-Oct-24

	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	✓	N/A	✓	✓	N/A
Gate Heating System	✓	N/A	✓	✓	N/A
Alarm Systems	✓	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



Muskrat Falls Hydroelectric Generating Station

22-Oct-24

Status of Test					
Unit 1	Unit 2	Unit 3	Unit 4	Balance of Plant System	Spillway
Emergency Diesel Generators					
Emergency Diesel Generators Tested for Emergency Stop	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	✓	✓
Alternate Alternating Current Sources Available	✓	✓	✓	✓	✓
Station Services Available	✓	✓	✓	✓	✓
Transfer Alternate Source	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
Heat recovery units operational	✓	✓	✓	N/A	N/A
Stairwell heaters operational	✓	✓	✓	✓	✓
Trench heat trace operational	N/A	N/A	N/A	✓	✓
Gear box heaters operational	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	Week Starting	Month							Scheduled Annual Maintenance Outages																		
			1	8	15	22	29	6	13		20	27	3	10	17	24	1	8	15	22	29							
Holyrood	G1	170.0																									April 12–January 15	
	G2	170.0																										August 4–October 11
	G3	150.0																										May 26–September 28
	GT	123.5																										November 10–November 30
	G1	76.5																										October 6–October 12
Bay of Esprit	G2	76.5																										October 6–October 12
	G3	76.5																										August 3 – September 8
	G4	76.5																										August 11–September 29
	G5	76.5																										
	G6	76.5																										
Upper Salmon	Unit	84.0																										October 6–October 26
	Granite Canal	40.0																										
Hinds Lake	Unit	75.0																										August 25–September 20
	Unit	67.0																										September 15–October 04
Cat Arm	G1	67.0																										October 25–November 08
	G2	67.0																										October 27–November 15
Paradise River	Unit	8.0																										
Hardswoods	GT	50.0																										
	GT	50.0																										
Star Lake	Unit ²	18.0																										
Exploits	Units	63.0																										
	Units	63.0																										
CBPP	CBPP ³ CoGen	8.0																										
Hawkes Bay, Holyrood, St. Anthony	Diesels ⁴	24.7																										
	Diesels ⁴	24.7																										
Newfoundland Power	Hydro & Standby ⁵	119.3																										
	CBPP 60 Hz	99.1																										
Available Island Capacity ⁶		2,000.0	1,217.3	1,293.8	1,276.8	1,298.8	1,420.3	1,400.3	1,723.3	1,673.3	1,739.3	1,739.3	1,739.3	1,665.8	1,683.8	1,529.4	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0	1,830.0
	Maximum LTL Contribution to Island Reserves at Peak ⁷		15.0	15.0	15.0	0.0	0.0	15.0	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	462.6	462.6	462.6	462.6	462.6
Forcasted 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	1,731.6	1,731.6	1,731.6	1,731.6	1,731.6	1,731.6
	Total Island Reserves ⁸		250.4	303.6	213.4	234.2	337.5	206.5	474.5	726.9	745.4	780.5	659.6	641.8	444.2	660.9	660.9	660.9	660.9	660.9	660.9	660.9	660.9	660.9	660.9	660.9	660.9	660.9
Largest Operating Unit			15.4	15.4	15.4	15.4	15.4	15.4	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
	Island N-1 Reserves		96.0	149.2	59.0	79.8	183.1	52.1	304.5	556.9	575.4	610.5	489.6	471.8	274.2	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9	490.9
LIL		700.0																										Monopole/Bipole Outages until October 19
	Happy Valley	25																										
Muskrat Falls	GT	206																										August 23–October 16
	G1	206																										
	G2	206																										October 16–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 Star Lake Unit was shut down on October 16, prior to planned outage, due to low water levels.
³ Corner Brook Pulp and Paper Limited ("CBPP").
⁴ 24.7 MW includes Hawkes Bay (6 MW), Holyrood Diesels (10 MW), and St. Anthony (8.7 MW).
⁵ 119.3 MW includes Newfoundland Power Hydro (77.8 MW) and Newfoundland Power Standby (41.5 MW).
⁶ Available Island Capacity only includes Island Resources and does not include any contribution from Soldiers Pond, Labrador Island Link, Happy Valley or Muskrat Falls Units.
⁷ Maximum LTL contribution to Island Reserves at peak is a function of Island load, LTL operating mode, number of available Muskrat Falls units and Maritime Link exports, and is measured at Soldier's Pond.
⁸ November and December Total Island Reserves include CBPP Capacity Assistance (80 MW) and System Voltage Reduction (20 MW).

Legend

- Available: White
- Unavailable: Dark Blue
- Derated: Light Blue
- Unplanned/Extension: Grey

Appendix F

Critical Spares Status Listing for Thermal Generation





Critical Spares - Thermal Generation

23-Oct-24

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.
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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
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	Deminalization System	Instrumentation/Controls	Cation Valve - KV2205C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminalization System	Instrumentation/Controls	Cation Valve - KV2206C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminalization System	Instrumentation/Controls	Anion Valve - KV3205C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminalization System	Instrumentation/Controls	Anion Valve - KV3206C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminalization System	Instrumentation/Controls	Cation Valve - KV2203C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminalization System	Instrumentation/Controls	Cation Valve - KV2207C	0	VALVE,ITT	In Stock
Raw and Makeup Water System & Water Treatment Plant	Deminalization System	Instrumentation/Controls	Cation Valve - KV2202C	0	VALVE,ITT	In Stock



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

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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
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	Cation Valve - KV2208C	0	VALVE,ITT	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

23-Oct-24

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
Raw and Makeup Water System & Water Treatment Plant	Clearwell	Clearwell Pump	Pump, single stage, 750GPM	Critical repair parts stocked for this pump. No need to stock the entire pump.	PUMP ASSY,KSB 6"	Non-Stock
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status

In Stock

Non Stock

On Order

Explanation

Stock quantity of '1' or more in warehouse inventory

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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 HIEE300900R0001	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
Generator	Exciter	Controls	Breaker	0	BREAKER,FIELD ABB F3/SE	In Stock



Critical Spares - Thermal Generation

23-Oct-24

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In Stock
Non Stock
On Order

Explanation

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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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"	On Order



Critical Spares - Thermal Generation

23-Oct-24

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In Stock
Non Stock
On Order

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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 7550144V0100	In Stock
L.P. Feedwater System	L.P. Heaters	NRV Valves	Packing	0	PACKING,S&K ROC574051200	On Order
L.P. Feedwater System	L.P. Heaters	NRV Valves	Packing	0	PACKING,S&K 75G0100V0040	On Order
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
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 (scream)	0	VALVE,SERVO 9.0-11.0 GPM	In Stock



Critical Spares - Thermal Generation

23-Oct-24

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In Stock
Non Stock
On Order

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Asset		Critical Spare				
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Turbine Generator System Stage 1	Governor	Governor	Mark 5 System - 6 gal. Main Stop Valve Servos	0	VALVE,SERVO 9.0-1.1.0 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
Turbine Generator System Stage 1	Governor	Turbine Control System	DIODE MOD,1200V,45A,SKKD46/1 2	0	DIODE,MOD 1200V	In Stock
Turbine Generator System Stage 1	Governor	Turbine Control System	RELAY	0	RELAY,12HGA1152	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



Critical Spares - Thermal Generation

23-Oct-24

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In Stock
Non Stock
On Order

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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
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 DS200SDCCG4A	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
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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 DS200TSPG1A	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
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



Critical Spares - Thermal Generation

23-Oct-24

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
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	0	Impeller	IMPELLER,IR 2RVH3DX1-8 L3	In Stock
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	0	Sleeve	SLEEVE, J RAND 175B135NX1B-204	In Stock
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	0	Key	KEY,IMPELLER IR 11A9C37	In Stock
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Motor	0	Motor	MOTOR,ELECT 20HP 575VAC	In Stock
Turbine Generator System Stage 1	Turbine Lube Oil System	Oil Pressure Regulator	0	Diaphragm	DIAPHRAGM,GE 920B10612	In Stock
Turbine Generator System Stage 1	Turbine Lube Oil System	Pressure Switch 2	0	Switch	SWITCH,PRESS 0-150 PSI	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Actuator	0	Bushing	BUSHING,FISH 1E845714012	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Actuator	0	Diaphragm	DIAPHRAGM,FISH 2E859802202	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Actuator	0	Repair Kit	ACTUATOR KIT,FISH R667X000502	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Body	0	Packing	PACKING KIT,FISH RPACCKX0011	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Main Steam Valve - Body	0	Positioner	POSITIONER,FISH DVC6200	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Actuator	0	Diaphragm	DIAPHRAGM,FISH 2N130902202	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Actuator	0	Repair Kit	ACTUATOR KIT,FISH R667X000702	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	0	Gasket	GASKET SET,FISH RGASKETX232	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	0	Plug/Stem	PLUG/STEM,FISH 27A3965X052	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	0	Cage	CAGE,FISH 20A3245X092	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	0	Ring	RING,FISH 17A3991X022	In Stock
Turbine Generator System Stage 1	Steam Seal Regulator	Dump Control Valve - Body	0	Seat Ring	RING,FISH 20A3260X152	In Stock
Units 1 & 2 Air & Flue Gas	Furnace Pressure TX (Trip)	Pressure Transmitter	0	Pressure Transmitter	TRANSMITTER,DP -8000-8000KPA	In Stock
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Baskets		Basket Set	BASKET SET,AIR HEATER 21-1/2"	Non-Stock

To be ordered & stocked as required



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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,RELANCE 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
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	Repair Kit	0	ACTUATOR KIT,FISH RG67X000402	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 2E670002202	In Stock



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 RPACXK00012	In Stock
Units 1 & 2 Fuel Oil System	Short Recirculation Valve	Short Recirculation Valve	Ring	0	RING,FISH 1U22235072	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
Units 1 & 2 Fuel Oil System	Long Recirculation Valve	Long Recirculation 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	On Order
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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	Shaft Driven Oil Pump	0	PUMP,BJ 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 I, 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



Critical Spares - Thermal Generation

23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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 11DX1-1/2OD	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



Critical Spares - Thermal Generation

23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 74S0397V0010	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	NRV Valves - Heater # 5	8"- 300# Gasket Kit	0	GASKET,S&K 74S0397V0010	In Stock
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	NRV Valves - Heater # 6	8"- 600# Gasket Kit	0	GASKET,S&K 74S0397V0010	In Stock
Units 1 & 2 H.P. Feedwater System	Steam Drum	Level Control Transmitters	Level Transmitter	0	TRANSMITTER,PRESS 5-800	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 MIP 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
L.P. Feedwater System	Condensate Extraction Pumps	Pump	Impeller	0	O-RING,MAT PLA 775D	In Stock
Powerhouse and Switchyard Single Line	258V DC System	Cable	Cable	0	CABLE,BATTERY 1/0	In Stock



Critical Spares - Thermal Generation

23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 DYC6200	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
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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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,ROTORC	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 8501XJUDO	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



Critical Spares - Thermal Generation

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Generator	Condenser Air Extraction System	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
Generator	Synchronous Condensor	Thrust Bearing	Thrust bearing	0	BEARING,THRUST 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	Thermocouple	0	THERMOCOUPLE,U3 SYNC 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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status

In Stock

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On Order

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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 826Z,G232	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



Critical Spares - Thermal Generation

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System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
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		
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		



Critical Spares - Thermal Generation

23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	Ring	0	RING,FISH 75B0311X032	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



Critical Spares - Thermal Generation

23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Powerhouse and Switchyard Single Line	258V DC System	Charger	400A DC Breaker	0	BREAKER,DC KD2400F 400A	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
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	Washer	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	SEAT PACKING,HITACHI	In Stock
Turbine Generator System Stage 2	Governor	DC Lube (Flushing) Oil Pump	Bearing	0	BEARING, PLANE HIT ITEM 35	In Stock



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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



Critical Spares - Thermal Generation

23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 R47DX000032	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
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 27A3933X012	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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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System		Asset			Critical Spare			Inventory Status
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status		
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	In Stock		
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,STEEFLEX 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		
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		



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23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Unit 3 Fuel Oil System		Main Fuel Oil Trip Valve	Packing	0	PACKING KIT,FISH RPACKX0002	In Stock
Unit 3 Fuel Oil System		Main Fuel Oil Trip Valve	Actuator	0	ACTUATOR KIT,FISH R667X000502	In Stock
Unit 3 Fuel Oil System		Main Fuel Oil Trip Valve	Regulator	0	REGULATOR KIT,FISH WRG7AFRX011	In Stock
Unit 3 Fuel Oil System		Main Fuel Oil Trip Valve	Bushing	0	BUSHING,FISH 1E845714012	In Stock
Unit 3 Fuel Oil System		Main Fuel Oil Trip Valve	Diaphragm	0	DIAPHRAGM,FISH 2E859802202	In Stock
Unit 3 Fuel Oil System		Main Fuel Oil Trip Valve	Cage	0	CAGE,FISH 2U236033272	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Ring	0	RING,FISH 1U217305092	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Seat	0	SEAT,FISH 1U222046172	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Plug/Stem	0	PLUG/STEM,FISH 1V6571X0042	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Cage	0	CAGE,FISH 2U215333272	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Gasket	0	GASKET SET,FISH RGASKETX242	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Packing	0	PACKING KIT,FISH RPACKX00012	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Bushing	0	BUSHING,FISH 1E682814012	In Stock
Unit 3 Fuel Oil System		Combustion Control Valves	Diaphragm	0	DIAPHRAGM,FISH 2E669902202	In Stock
Unit 3 Fuel Oil System		Atomizing Steam Valve	Cage	0	CAGE,FISH 2U223733272	In Stock
Unit 3 Fuel Oil System		Atomizing Steam Valve	Ring	0	RING,FISH 1U222646172	In Stock
Unit 3 Fuel Oil System		Atomizing Steam Valve	Plug/Stem	0	PLUG ASSY,FISH 1V6575X0052	In Stock



Critical Spares - Thermal Generation

23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Unit 3 Fuel Oil System		Atomizing Steam Valve	Packing	0	PACKING KIT,FISH RPACKX0002	In Stock
Unit 3 Fuel Oil System		Atomizing Steam Valve	Gasket	0	GASKET SET,FISH RGASKETX182	In Stock
Unit 3 Fuel Oil System		Atomizing Steam Valve	Diaphragm	0	DIAPHRAGM,FISH 2E670002202	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Packing	0	PACKING KIT,FISH RPACKX0002	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Repair Kit	0	ACTUATOR KIT,FISH R667X000402	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Bushing	0	BUSHING,FISH 1E682814012	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Retainer	0	RETAINER,FISH 1V710935072	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Disc	0	DISC,FISH 1V711006242	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Seat	0	SEAT,FISH 1V711135072	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Diaphragm	0	DIAPHRAGM,FISH 2E669902202	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	Cage	0	CAGE,FISH 2U227633272	In Stock
Unit 3 Fuel Oil System		Header Pressure Control Valve	Repair Kit	0	ACTUATOR KIT,FISH R667X000402	In Stock
Unit 3 Fuel Oil System		Header Pressure Control Valve	Bushing	0	BUSHING,FISH 1E682814012	In Stock
Unit 3 Fuel Oil System		Header Pressure Control Valve	Diaphragm	0	DIAPHRAGM,FISH 2E669902202	In Stock
Unit 3 Fuel Oil System		Fuel Oil Pumps	Pump	0	PUMP,MAIN FUEL OIL KRAL	In Stock
Unit 3 Fuel Oil System		Main Fuel Oil Recirculation Valve	1" Welded Flange Valve w/ Actuator	0	VALVE ASSY,JAMES 1052 1"	In Stock
Unit 3 Fuel Oil System		Level Fuel Oil Recirculation Valves	3/4" Welded Valve w/ Actuator	0	VALVE ASSY,JAMES 1052 3/4"	In Stock



Critical Spares - Thermal Generation

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Unit 3 Fuel Oil System	Burners	Oil Valve	1/2" Ball Valve	0	VALVE KIT,JAMES RKB5MIT	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 RPACKX00012	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 RPACKX00012	In Stock
Unit 3 Fuel Oil System	Burners	Scavenge Valve	Plug/Stem	0	PLUG/STEM,FISH 1U2161X0082	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

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Non Stock
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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-101204IG	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
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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
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Explanation

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System		Asset				Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status			
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 0800109	In Stock			
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	Clip	0	CLIP,DEW 0540097	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	Stem	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			



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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



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23-Oct-24

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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	Gasket	0	GASKET,FISH 10A415-4X012	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
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



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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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 C SAB12 (C1)	Feeder to MCC E1 - breaker C4	Shares spare re-build kit/critical spares kit with other CGE AK breakers.	BREAKER, EATON 600V	In Stock
Station Board SB12 (SSB1)	Aux Transformer ATC - SSB3	Power Center C SAB12 (C1)	Feeder to MCC C12 - breaker C7	Shares spare re-build kit/critical spares kit with other CGE AK breakers.	BREAKER, EATON 600V	In Stock
Station Board SB12 (SSB1)	Aux Transformer ATC - SSB3	Power Center C SAB12 (C1) (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



Critical Spares - Thermal Generation

23-Oct-24

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
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
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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
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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
Station Board SB12 (S581)	0	0	Feeder to Station Board - breaker SSB-4	Shares spare with Feeder to Station Board - breaker SSB-4, 5HK-YR-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
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 ICAS3 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 ICAS3 devices - replaced by SEL-551C	RELAY, OVERCURRENT SEL 551C	In Stock



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
Station Board SB34 (ST34)		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	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	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	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	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	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	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	breaker TB12 relays	Shares spare with MAVS devices - replaced by ABB SYN5201-0271	SYNCHROTRACT,SYN5201	In Stock
Station Board SB34 (ST34)		0	breaker TB12 relays	Shares spare with other Westinghouse relays - replaced by ABB SPAU121C	RELAY,VOLTAGE ABB SPAU121C	In Stock



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

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Quantity of '0' stock in warehouse, quantity of 1 or more on order or out for refurbishment.
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
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Asset			Critical Spare			
System	Sub-System	Asset	Defined Spare	Notes	Inventory Description	Inventory Status
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
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



Critical Spares - Thermal Generation

23-Oct-24

Inventory Status
In Stock
Non Stock
On Order

Explanation

Stock quantity of '1' or more in warehouse inventory
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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
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
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



Critical Spares - Thermal Generation

23-Oct-24

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
Unit Board UB2 (UB2-1)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Feeder to Power Centre B - breaker B1	Shares spare re-build kit/critical spares kit with other CGE AK breakers.	BREAKER,EATON 600V	In Stock
Unit Board UB2 (UB2-1)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Feeder to transformer LT-B - breaker B4	Shares spare re-build kit/critical spares kit with other CGE AK breakers.	BREAKER,EATON 600V	In Stock
Unit Board UB2 (UB2-1)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Feeder to MCCC 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



Critical Spares - Thermal Generation

23-Oct-24

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
Unit Board UB2 (UB2-1)		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	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	Feeder to Unit Board - breaker UB2-1 & relays	Shares spare with Feeder to Station Board - breaker SSB-1.	BREAKER, EATON 4160V 2000A	In Stock
Unit Board UB2 (UB2-1)		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	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	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	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	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	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	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	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	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	UB2-1 relays	Shares spare with other Westinghouse relays - replaced by ABB SPAU121C	RELAY, VOLTAGE ABB SPAU121C	In Stock



Critical Spares - Thermal Generation

23-Oct-24

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	
Unit Board UB2 (UB2-1)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Relays	Spares spare with CGE IAC51 and ICA53 devices	RELAY, OVERCURRENT SEL 551C	In Stock	
Unit Board UB2 (UB2-1)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Relays	Spares spare with CGE IAC51 and ICA53 devices	RELAY, OVERCURRENT SEL 551C	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Feeder to Aux Board - breaker UAB-3	Shares spare re-build kit/critical spares kit with other FP breakers.	BREAKER, SCHNEIDER 600V	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Feeder to transformer LDP-3 - breaker LDP-3	Shares spare re-build kit/critical spares kit with other FP breakers.	BREAKER, SCHNEIDER 600V	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Feeder to MCC BAB3 - breaker BAB-3	Shares spare re-build kit/critical spares kit with other FP breakers.	BREAKER, SCHNEIDER 600V	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	AOP3	Shares spare re-build kit/critical spares kit with other FP breakers.	BREAKER, SCHNEIDER 600V	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	TAB3	Shares spare re-build kit/critical spares kit with other FP breakers.	BREAKER, SCHNEIDER 600V	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	AC12	Shares spare re-build kit/critical spares kit with other FP breakers.	BREAKER, SCHNEIDER 600V	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Tie Breaker to Station Board - breaker ATB3	Shares spare re-build kit/critical spares kit with other FP breakers.	BREAKER, SCHNEIDER 600V	In Stock	
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Relays	Shares spare with all other P&B Golds devices.	RELAY, RETRO. PBSJ3E5N11	In Stock	
Unit Board UB3 (UT3)	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

23-Oct-24

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
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 SSB-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	BFE3	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	BRW3	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

23-Oct-24

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		
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	SYNCHROTACTION,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		
Unit Board UB2 (UB2-1)	0	0	UB2-6 relay	n/a	RELAY,PROTECTION SEL701	In Stock		



Critical Spares - Thermal Generation

23-Oct-24

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
Unit Board UB2 (UB2-1)	0		UB2-7 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB2 (UB2-1)	0		UB2-8 relay	Replaced by SEL701	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	0		BFE3 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	0		BFW3 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	0		FDE3 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	0		FDW3 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	0		CEN3 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	0		CES3 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	0		CWE3 relay	n/a	RELAY, PROTECTION SEL701	In Stock
Unit Board UB3 (UT3)	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 MCCC 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		Feeder to transformer SAT34 - breaker SAT34 & relays	Direct replacement breaker 5HK-VR-250-1200A	BREAKER, EATON 4160V 1200A	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

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
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. PBS13E5N11	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. PBS13E5N11	In Stock

Appendix G

Critical Spares Status Listing for Combustion Turbine Generation



Critical Spares Status
Hardwoods and Stephenville – Gas Turbines

30-Oct-24



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	
Altair 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	

Critical Spares Status
Hardwoods and Stephenville – Gas Turbines

30-Oct-24



Recommended Component	Stock	Risk Score	Expected Delivery	Comments
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	
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-Icing 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	

Critical Spares Status
 Hardwoods and Stephenville – Gas Turbines

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
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	
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	

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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	On Hand - Under Parts			
Control Module with ControlNet communication	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			
IFM, analog, 8 channel - Feed-Through 8 Channel Analog IFM, 3 Terminals per Input, Analog Interface Module	On Hand - Under Parts	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			
Module, relay expander - Relay Expander Module, 24V DC, 16 Relays with Fusing	Management Agreement	Medium	N/A	
10 Slot ControlLogix Chassis	On Hand - Under Parts	Medium	N/A	
4 Slot ControlLogix Chassis	On Hand - Under Parts	Medium	N/A	
ControlNet Interface Module (100 connections)	Management Agreement	Medium	N/A	
ControlNet Redundant Interface Module (100 connections)	On Hand - Under Parts	Medium	N/A	
ControlNet Redundant Bridge Module (40-48 connections)	Management Agreement	Medium	N/A	
EtherNet 10-100M Interface Module (supports 128 TCP/IP connections)	On Hand - Under Parts	Medium	N/A	
EtherNet 10-100M Interface Module (supports 64 TCP/IP connections)	Management Agreement	Medium	N/A	
10-30 VDC Isolated Input 16 Pts (36 Pin)	On Hand - Under Parts	Medium	N/A	
10-30 VDC Individually Isolated Input 16 Pts (36 Pin)	On Hand - Under Parts	Medium	N/A	
Analog Input - Current/Voltage 16 Pts (36 Pin) Controller, controlLogix 5570, 2MB	Management Agreement	Medium	N/A	
ControlLogix 5570 Controller with 2 MB Memory, USB Port, 4 Character Alpha/Numeric Display.	On Hand - Under Parts	High	N/A	
Controller, ControlLogix 5570, 4MB	Management Agreement	High	N/A	
ControlLogix 5570 Controller with 4 MB Memory, USB Port, 4 Character Alpha/Numeric Display.	On Hand - Under Parts	Medium	N/A	
10-31 VDC Output 32 Pts (96 Pin)	Management Agreement	Medium	N/A	
10-31 VDC Output 32 Pts (96 Pin)	On Hand - Under Parts	Medium	N/A	

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
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	
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	

Critical Spares Status
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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
PF750-24V I/O Module-2A1,2A0,6Di,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	
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:31531515	On Hand - Under Parts Management Agreement	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" QS0065-4 DXP-L21GNEB JBHC8327G041-125VDC	In Stock	High	N/A	
VALVE, CONTINUOUS PURGE	In Stock	High	N/A	
3" QS0600-4 DXP-L21GNEB EFHC8321G1	In Stock	High	N/A	
FUSE, LOW VOLTAGE DC	In Stock	Low	N/A	
REPLACEMENT FUSE (LOW VOLTAGE DC PIM), BENTLY NEVADA: 1720045	In Stock	Low	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	

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
MODULE, POWER SUPPLY	In Stock	Medium	N/A	
LOW VOLTAGE DC POWER SUPPLY MODULE, BENTLY NEVADA:133292-01				
MODULE, POWER INPUT	In Stock	Medium	N/A	
LOW VOLTAGE DC POWER INPUT MODULE (PIM), BENTLY NEVADA:133300-01				
MANUAL, POWER SUPPLY MODULE	In Stock	Medium	N/A	
POWER SUPPLY MODULE, MANUAL, BENTLY NEVADA:129767-01				
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	
SOLAR SPARK PLUG IGNITER, CENTAUR:903316C1	In Stock	Low	N/A	
SHAFT, FISHER				
SHAFT, FISHER:7000400800	In Stock	Low	N/A	
PUMP, CONVERTER CHARGING				
TORQUE CONVERTER CHARGING PUMP, KOENIG:X216228-J	In Stock	Low	N/A	
REPAIR KIT, SSS CLUTCH MINOR				
KOENIG:SL17998MNMKT	In Stock	Medium	N/A	
VALVE, CHECK 3"				
3MB60-6047-WR	In Stock	Medium	N/A	
VALVE, SS POPPET CHECK				
SS POPPET CHECK VALVE, SWAGELOCK:SS-6C-1	In Stock	Low	N/A	
VALVE, FUEL CHECK				
FUEL LINE CHECK VALVE, PARKER:10A-CB68L-10-PF-SS, VOGT:SW987IT,	In Stock	High	N/A	
VALVE, CHECK				
CHECK VALVE, SUN HYDRAULICS:CXDA-XAN	In Stock	Low	N/A	
VALVE, SOLENOID				
SOLENOID VALVE, SUN HYDRAULICS:DIDA-MCN	In Stock	Low	N/A	
VALVE, FUEL BYPASS				
MANUFACTURER-FISHER, MODEL:1008 HANDWHEEL ACTUATOR W/LOCKING MECHANISM, SIZE 40, TRAVEL LENGHT:3/4", CAPABLE OF GIVING PRECISE MANUAL - THROTTLING CONTROL, TRAVEL INDICATOR MOUNTED ON ACTUATOR - YOKE FOR VISUAL VALVE				
PLUG POSITION	In Stock	High	N/A	
REPAIR KIT, BYPASS VALVE				
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				
PUMP DISCHARGE PRESSURE REGULATING VALVE, MOOG/FISHER:657-DVC-6200, SERIAL # F000642304, TYPE:ET CAV 11.1, SIZE 1-1/2, PORT SIZE:1-5/16, RATING:CL600/1500 PSI CWP, PLUG:SSIT, STEM:SSIT, BODY:STL, SEAT:SSIT	In Stock	Low	N/A	
VALVE, PRESSURE RELIEF				
HYDRAULIC FLUID PRESS RELIEF VALVE, REXROTH:R9000341066	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				
FISHER 3", 560iii:TH66 OS1600-4 DXP-L21GNEB	In Stock	Low	N/A	
FILTER, WATER - CLARK RELIANCE 2500PW	In Stock	Medium	N/A	

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
INST AIR DEW 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:20E395WZZ4D	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			
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-1VM4-54/5S-1VM4-54	In Stock	Low	N/A	
FEMALE NEEDLE VALVE, MCMMASTER CARR:4644K33, 3/8"NPT	In Stock	Low	N/A	
PARKER VALVE, MODEL# 6Z-PR4-BNT-5S	In Stock	Low	N/A	
GLOBE VALVE, STEEL, VOGT:SW9871T, LUBE OIL FILTER TOWER #1 VENT VALVE	In Stock	Low	N/A	
INDICTATOR, SIGHT	In Stock			
1-1/2" JACOBY:100-S(NF)	In Stock	Low	N/A	
PILOT VALVE ASSEMBLY, CLIPPARD FV-SP W/MPA-3P, CLIPPARD:1WT3732	In Stock	High	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-LCN	In Stock	Low	N/A	
GASKET, FILTER HOUSING	In Stock			
GASKET, CLARK RELIANCE:A10137455, NFS# 10117455	In Stock	Low	N/A	
O-RING, BUJNA	In Stock			
HEAD TO BOWL O-RING BUJNA, PALL:UK19672	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			
ABB BREAKER SF6 FILL KIT, (HECS 80S), S/N 1HC211015861	In Stock	Low	N/A	
BELT, ECODYNE:1320-BLT-5-EHX19-90	In Stock			
COUPLING, PUMP/MOTOR	In Stock	Medium	N/A	
JOHN CRANE:A045-3S78-1270, 1-1/2" - 2-3/8", ROUGH BORE	In Stock	Low	N/A	
PUMP, GEAR	In Stock			
DANFOSS:BERENDEN FLUID POWER SNP 2/11	In Stock	Medium	N/A	
COUPLING, PUMP-MOTOR	In Stock			
COUPLING, REKNORD-OMEGA- REX ELASTOMER-ES-4 (STANDARD ORANGE) PUMP-MOTOR	In Stock	Low	N/A	
COUPLING, PUMP-MOTOR	In Stock			
COUPLING, REKNORD-OMEGA- ELASTOMER-ES-5 (STANDARD ORANGE) PUMP-MOTOR	In Stock	Low	N/A	
REPAIR KIT, INI, PUMP	In Stock			
CHEMICAL INJECTION PUMP REPAIR KIT, GRAINGER:K4PTC1	In Stock	Medium	N/A	
FILTER, FUEL CAT 1R0749	In Stock			
FOR USE ON STAGE I AND II, EMERGENCY DIESEL MANUAL PRIMING PUMPS, CATERPILLAR #IR-0749	In Stock	Medium	N/A	
ELEMENT 0180MA0038N (3µm), P/N 20559438, SPIN ON ELEMENT, MANUFACTURER:HYDAC	In Stock	Low	N/A	
FILTER, LIQUID FUEL	In Stock			
CLARK RELIANCE 2200A3	In Stock	High	N/A	

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
FILTER, AIR (ELEMENT)	In Stock	Low	N/A	
INGERSOLL RAND 32012957				
ELEMENT, PRE-FILTER	In Stock	Low	N/A	
PRE-FILTER ELEMENT 105 SCFM, INGERSOLL RAND 85565679				
FILTER, AIR	In Stock	Medium	N/A	
GEN AIR FILTERS, COMPACT FILTER G4/F7 287 X 292 X 300, SIEMENS				
FILTER, AIR	In Stock	Medium	N/A	
GEN AIR FILTERS, COMPACT FILTER, G4/F7 592 X 292 X 300, SIEMENS				
FILTER KIT, FUEL	In Stock	High	N/A	
LOW PRESSURE FUEL FILTER REPLACEMENT KIT, CENTAUR-912555C3				
KIT, OIL FILTER & O-RING	In Stock	Low	N/A	
LUBE OIL FILTER & O-RING KIT, CENTAUR-9161283C1				
FILTER, FUEL BOOST KIT - LOW PRESSURE, 912343C1	In Stock	Low	N/A	
FILTER, IGV ACTUATOR - MOOG:864567-1V	In Stock	Medium	N/A	
FILTER, TMP-95 FINAL				
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				
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				
AFTER-FILTER, AIR DRYER	In Stock	Low	N/A	
AIR DRYER AFTER FILTER, PN 25-178-50C, PARKER FILTER CARTRIDGE # 10C10-050				
FILTER, PRESSURE	In Stock	Medium	N/A	
PALL: ELEMENT HC9600FCP4H				
ELEMENT, POST FILTER	In Stock	Medium	N/A	
POST FILTER ELEMENT 105 SCFM, INGERSOLL RAND 85565661				
TRANSMITTER, PRESSURE	In Stock	Medium	N/A	
ROSEMOUNT:305152TG3A2A11A1AM5Q4				
FILTER, LUBE OIL	In Stock	Medium	N/A	
LUBE OIL FILTER, CLARKE RELIANCE:A2200A4, NFS:2200A4				
SOFT PARTS KIT, CLARKE RELIANCE:A10400107, NFS:10400107	In Stock	High	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				
CARTRIDGE, DESICCANT	In Stock	Medium	N/A	
PNEUMATIC PRODUCTS:3153517				
FILTER, OIL 275-2604	In Stock	Low	N/A	
OIL FILTER, CAT:275-2604				
FILTER, AIR 4P0710S	In Stock	Low	N/A	
AIR FILTER, CAT: 4P0710				
PRE-FILTER, AIR COOLING	In Stock	Low	N/A	
PRE-FILTER, AIR COOLING	In Stock	Low	N/A	
METER, FLOW				
ROSEMOUNT:30515FC1CS030N065-T33EA1A5Q4E6M5	In Stock	Medium	N/A	
LIQUID FUEL TEMPERATURE TRANSMITTER, ROSEMOUNT 644HAK6M5Q4J6	In Stock	Medium	N/A	
PUMP SUPPLY PRESSURE SWITCH, CCS 646GZEM1	In Stock	Medium	N/A	

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
PUMP DISCHARGE PRESSURE TRANSMITTER, ROSEMOUNT 3051CG5A22A1A55B4C6M5Q4	In Stock	Medium	N/A	
PNEUMATICALLY ACTUATED THROTTLE VALVE, FISHER ET-677-DVC-6200	In Stock	Medium	N/A	
PUMP DISCHARGE PRESSURE SWITCH, CCS 6466ZEM5	In Stock	Medium	N/A	
METER, FLOW	In Stock	Medium	N/A	
ROSEMOUNT:30515FC1CS030NXT33DA1A5DQ4E6M5	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 DRIVER DIFFERENTIAL PRESSURE, DIFFERENTIAL PRESSURE TRANSMITTER, ROSEMOUNT:305152GD3A2A1A1AL1L2L4M5Q4	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:3051S2TG3A2E11A1AB4K6M5Q4	In Stock	Low	N/A	
FUEL OIL TANK 1 LEVEL RADAR LEVEL TRANSMITTER, ROSEMOUNT:5402AH1E64SPVDM1C1S3	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:644HAK6I6M4	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 # LSA28	In Stock	Low	N/A	
CABLE,SOLAR, IGNITER	In Stock	Medium	N/A	
CENTAUR:919340C2	In Stock	Medium	N/A	
PICKUP, MAGNETIC	In Stock	Medium	N/A	
CENTAUR:P/N 190430-1	In Stock	Medium	N/A	
SWITCH, 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:6008-01-CEXSG	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, UNITED ELECTRIC CONTROLS:J400K-455-1520	In Stock	Low	N/A	
DIFFERENTIAL PRESSURE SWITCH, PNEUMAFIL:552033-B1	In Stock	Medium	N/A	
INTAKE AIR STATIC FILTER DIFFERENTIAL- PRESSURE SWITCH, SOR:107AL-K12-P1-F1A	In Stock	Low	N/A	
INLET SCROLL TEMPERATURE TRANSMITTER #1, YOKAGAWA:YTA320-EA2NN/FUI/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	

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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:HL8316666MB	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:BIT-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 OAXE/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	
HYD FLUID RESERVOIR THERMOCOUPLE, OMEGA:NB1-CASS-14U-12" DUAL	In Stock	Low	N/A	
CHLORINE INJECTION FLOW SWITCH, DWYER INSTRUMENTS:F52	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	In Stock	Low	N/A	
1.5", STAINLESS STEEL, MCMMASTER CARR: 45995K84	In Stock	Low	N/A	
PRESSURE SWITCH, BARKSDALE:X1T-4100-25	In Stock	Medium	N/A	
PRESSURE SWITCH, DRÜCKSCHALTER: 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:G44444-2	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	In Stock	Low	N/A	
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	In Stock	Low	N/A	
SIEMENS:WQ.0233 2XPT100, INSTALLATION LENGTH 250MM, HAN 8D	In Stock	Low	N/A	
THERMOCOUPLE, SHELL	In Stock	Low	N/A	
SIEMENS:MQ.0206-PVDF8 3XT(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	

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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:5402AH1E64SPVCAM1CIS3	In Stock	Low	N/A	
RAW WATER PUMP 1 & 2, DISCHARGE GAUGE, PRESSURE TRANSMITTER, ROSEMOUNT: 3051S2TG2A2A11A1B4M5Q4	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 FINAL-FILTER - DIFFERENTIAL PRESSURE INDICATOR, DWYER INSTRUMENTS:4006	In Stock	Low	N/A	
INTAKE AIR STATIC PRE-FILTER - DIFFERENTIAL PRESSURE INDICATOR, DWYER INSTRUMENTS:4002				
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:F564-29	In Stock	Medium	N/A	
INSTR. AIR COMPRESSOR PRESSURE GAUGE, AIR CENTERS OF FLORIDA:SZP76	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	
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				
-40F AND -100F, INGERSOLL RAND P/N 23182603	In Stock	Medium	N/A	
TRUCK UNLOADING GROUND VERIFICATION MONITOR, 8030-120 GROUND VERIFICATION MONITOR, CIVACON	In Stock	Low	N/A	
MOTOR, FLAP ACTUATOR				
JOHNSON CONTROLS, JCI IM9132-GGA-1	In Stock	Low	N/A	
BRUSH, CARBON MOTOR				
1 SET = 2 PIECES, ABB: GPFX052143P0098	In Stock	Medium	N/A	
GENERATOR JACKING OIL - SOLENOID VALVE, SUN HYDRAULICS:DLDA-MCN	In Stock	Medium	N/A	
MOTOR, 10 HP DC TURNING GEAR				
KOENIG: DG6711A	In Stock	High	N/A	
MOTOR, BALDOR				
BALDOR:VEM3770T NEMA	In Stock	Medium	N/A	
TURNING GEAR MOTOR BRUSH SET, 419904-51AC	In Stock	Low	N/A	
COUPLING, PUMP/MOTOR				
SIZE 1040T20, FLEXIBLE GRID TYPE, VERTICAL ORIENTATION, MANUFACTURER:FALK	In Stock	Low	N/A	
RELAY, DPDT 120VAC				
RCP8002 120AC	In Stock	Medium	N/A	
RELAY, TPDT 120VAC				
RCP1103 120AC	In Stock	Medium	N/A	
CUT-OUT, AUTO				
AUTO CUT-OUT, CHROMOLOX:168-053169-1 05	In Stock	Low	N/A	

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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	
ATOR20	In Stock	Low	N/A	
FUSE, SECONDARY 8A	In Stock	Low	N/A	
ATOR8	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, ATOR4.5	In Stock	Low	N/A	
FUSE, AC 25A	In Stock	Low	N/A	
ATOR25	In Stock	Low	N/A	
FUSE, SIEMENS PG	In Stock	Low	N/A	
SIEMENS PG 840C208FO1	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	
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, BUSSMANN:1154697	In Stock	Low	N/A	
FUSE, 2A E-CELL	In Stock	Low	N/A	
E-CELL FUSE 2A, BUSSMANN:3060755	In Stock	Low	N/A	
FUSE, 6A GMC-6A	In Stock	Low	N/A	
6AMP, GMC-6A, BUSSMANN:LWT7345	In Stock	Low	N/A	
FUSE, 1.25A GMC-1.25A	In Stock	Low	N/A	
FUSE 1.25 AMP, GMC-1.25-A, BUSSMANN:LWT9119	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	

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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: HMT3301A08101CGAB200801CABAA1	In Stock	Low	N/A	
R-DIODE	In Stock	Medium	N/A	
SIEMENS PG:840C411F04	In Stock	Medium	N/A	
F-DIODE	In Stock	Medium	N/A	
SIEMENS PG:840C411F03	In Stock	Medium	N/A	
CAPACITOR ASSEMBLY, RC	In Stock	Medium	N/A	
SIEMENS PG:153C684	In Stock	Medium	N/A	
DESICCANT, 4-8 GRADE D	In Stock	Low	N/A	
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:A41-1032425AS	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	In Stock	Medium	N/A	
SIEMENS PG:153C691G02	In Stock	Medium	N/A	
BEARING LUBE OIL SUPPLY TEMPERATURE - THERMOCOUPLE, PYCO-02-3:174 W/16-0049 (TYPE K)	In Stock	Medium	N/A	
TURBINE GENERATOR SPEED PICK UP, BRAUN:AS508T165C0.5	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 A1MN, EMERSON:I.WT21254	In Stock	Low	N/A	

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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 POLISHING LOOP PRESSURE RELIEF VALVE, REXROTH:RR00347261	In Stock	Medium	N/A	
HP BLEED VALVE OPEN LIMIT SWITCH, WESTLOCK:2007XBY/4SPDT	In Stock	Low	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	In Stock	Medium	N/A	
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	
TURBINE EXHAUST END VIBRATION X RELATIVE SENSOR, BENTLY NEVADA: 3500 SERIES	In Stock	High	N/A	
AMIZR,COND.8619.24V.4-20MA,BUR 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	In Stock	Medium	N/A	
PLC-GE, QP+, 7" COLOR, 24VDC, WATERTECH SERVICES: 3134672	In Stock	Medium	N/A	
SENSOR-FLOW, BUR, INLINE, SE30 WATERTECH SERVICES: 3059466	In Stock	Medium	N/A	
E-CELL FLOW SENSOR 8020 SHORT, BURKERT:3033067	In Stock	Medium	N/A	
METER, 30-199.9 MV E-CELL 30-199.9 MV METER, GENERAL ELECTRIC: 3038073	In Stock	Low	N/A	
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	

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Holyrood – Combustion Turbine

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
THERMOCOUPLE, TEMPERATURE	In Stock	Medium	N/A	
STARTING PACKAGE MOTOR FORWARD - BEARING TEMPERATURE T/C, S16820PD-300296				
SWITCH, AUXILIARY	In Stock	Low	N/A	
AUX SWITCH, SIEMENS:A01JLD64				
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,82.20: 3059495	In Stock	Medium	N/A	
TERMINAL-FUSE, 1P TYPE CC, AB: 1235396	In Stock	Low	N/A	
TERMINAL-FUSE, LED, 10-57VAC/VDC, 1492-HS: 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, 2A, BUS: 3060753	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, OP, 7" COLOR, 24VDC, IC755CSW07CDA: 3134672	In Stock	Medium	N/A	
PLC-AB, DIGITAL, 24VDC, 8 IN, 1762-I08: 1224240	In Stock	Medium	N/A	
PLC-AB, 20DI/12DO/4AI/4AO, 1766-1328XBA: 3060729	In Stock	Medium	N/A	
XFMR-CNTRL, 230/575/115-50/60, 500VA, SQ-D: 3060802	In Stock	Medium	N/A	
POWER SUPPLY, 24VDC				
POWER-SUP, PHOENIX, TRIO, 24VDC, 5A: 3037802	In Stock	Low	N/A	
SWITCH, PUSH BUTTON				
SWITCH-P-B, JEC, 1NC, MAN, BLK, 800FP: 3007466	In Stock	Low	N/A	
SWITCH-PUSH PULL, 24VDC, JEC, MUSHRM, IL, RED: 3006380	In Stock	Low	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	Medium	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	
BLUEWHITE CHEMICAL INJECTION PUMP: A1N00F-4T	In Stock	Low	N/A	
SOFT STARTER FOR RO: TLOAT5222D4756U	In Stock	Low	N/A	
PLC, PREPROGRAMMED - RO SKID				
PREPROGRAMMED PLC - RO SKID: DO-06DR-RO	In Stock	Medium	N/A	
SWITCH, 3-POSITION, 22MM				
3-POSITION SWITCH 22MM: GCX3320-22	In Stock	Low	N/A	
ACTUATOR ELECT FOR RO INLET VA				
WATERTECH SERVICES: V561055A	In Stock	Low	N/A	
SWITCH, 2-POSITION, 22MM				
2-POSITION SWITCH 22MM: GCX3300	In Stock	Low	N/A	

Critical Spares Status
 Holyrood – Combustion Turbine

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
COLOR TOUCHSCREEN INTERFACE, 6"				
PREPROGRAMMED 6" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Medium	N/A	
PERMEATE PUMP SKID: W5EA9-PERM				
PLC, PREPROGRAMMED - PERMATE SKID	In Stock	Medium	N/A	
PLC, PREPROGRAMMED - RAW WATER SKID	In Stock	Medium	N/A	
PLC, PREPROGRAMMED - RAW WATER SKID	In Stock	Medium	N/A	
PERMEATE PUMP SKID: DO-06DR-D-PERM				
PLC, PREPROGRAMMED - RAW WATER SKID	In Stock	Medium	N/A	
PERMEATE PUMP SKID: DO-06DR-RW				
PLC, PREPROGRAMMED - RAW WATER SKID	In Stock	Medium	N/A	
COLOR TOUCHSCREEN INTERFACE, 6"				
PREPROGRAMMED 6" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Medium	N/A	
RAW WATER PUMP SKID: W5EA9-RW				
COLOR TOUCHSCREEN INTERFACE, 8"				
PREPROGRAMMED 8" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Medium	N/A	
REVERSE OSMOSIS SKID: W5EA9-8RO				
COLOR TOUCHSCREEN INTERFACE, 10"				
PREPROGRAMMED 10" COLOR TOUCHSCREEN OPERATOR INTERFACE	In Stock	Medium	N/A	
REVERSE OSMOSIS SKID: W5EA9-10 RO				
ORP PREAMPLIFIER				
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	

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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-623; 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	

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Happy Valley – Gas Turbine

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
Solenoid Valve (E31-SV2; E2), Fuel System	In Stock	High	N/A	
Solenoid Valve (E31-SV3; D2), Fuel System	In Stock	Low	N/A	
Solenoid Valve (E31-SV4; E2), Fuel System	In Stock	Low	N/A	
Solenoid Valve (E31-SV6; D8), Fuel System	In Stock	High	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	High	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	

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Recommended Component	Stock	Risk Score	Expected Delivery	Comments
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	
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
Hydraulic Generation
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Critical Spare Component	Stock Status	Comments	Status Update October 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

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Critical Spare Component	Stock Status	Comments	Status Update October 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 3ACD5245A003	In Stock		N/A	N/A
BDE - Exciter POWER ELECTRONICS - BRIDGE,ABB 500772	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 6,6URD32TTF0800	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 Q02 - PANEL EE - ARC-CHUTE,ABB UXAB269399R012	In Stock		N/A	N/A
BDE - FIELD BREAKER Q02 - PANEL EE - BREAKER,ABB HIER466757P2331 (entire unit)	In Stock		N/A	N/A
BDE - FIELD BREAKER Q02 - PANEL EE - CONTACT,ABB UXAB239299R0003	In Stock		N/A	N/A
BDE - FIELD BREAKER Q02 - PANEL EE - CONTACT,ABB UXAB239260R002	In Stock		N/A	N/A
BDE - FIELD BREAKER Q02 - PANEL EE - CONTACT,ABB UXAB269399R032	In Stock		N/A	N/A
BDE - FIELD BREAKER Q02 - 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 X1453T47	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

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Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
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
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

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Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
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
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 Z995205	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

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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
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

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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,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,HOT STANDBY	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,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

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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
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

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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 VDC 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,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,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

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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
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

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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
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

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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 DC5500B200361	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 3BHE013940R00	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
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

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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
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

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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 SLIPPING/BRUSH RIGGING - Brushes	In Stock		N/A	N/A
BDE - Unit 7 SLIPPING/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
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

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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 SOLIND	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
CAT - CONTACT,I SOLATING	In Stock		N/A	N/A

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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,MILDT 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

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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
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 UN001D-E,	In Stock		N/A	N/A
CAT - EXCITER NO. 2 - CARD ABB UN50026A-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

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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
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

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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 02.1002-281-208	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
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

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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 250JB6L-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
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 Rigging Assembly - Brush Holder	In Stock		N/A	N/A
CAT - Slipring/brush Rigging Assembly - Brushes	In Stock		N/A	N/A
CAT - Slipring/brush Rigging Assembly - Insulator	In Stock		N/A	N/A
CAT - Slipring/brush Rigging 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

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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
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 - 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

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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
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-COIN-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

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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, 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 170MM6166	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
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

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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
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

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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 110/120 VAC	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
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

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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 SCDM-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
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 - Stick, Joint Horz	In Stock		N/A	N/A
GCL - Stick, Joint Vert	In Stock		N/A	N/A
GCL - Surface Air Coolers - Cooler, Surface Air	In Stock		N/A	N/A

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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
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

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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, Laminum	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 SOLIND.	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
HLK - COIL-AUTO AIR CHARGING SOLIND.	In Stock		N/A	N/A
HLK - CONTACT,AUX GE	In Stock		N/A	N/A

Critical Spares Stock Status
Hydraulic Generation
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Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
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 - SEALWICKET 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

Critical Spares Stock Status
Hydraulic Generation
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Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
HLK - INSERT, COMPAIR 38275	In Stock		N/A	N/A
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

Critical Spares Stock Status
Hydraulic Generation
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Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
HUK - RING/GASKET KIT,IR 32133944	In Stock		N/A	N/A
HUK - Rotor - Pole	In Stock		N/A	N/A
HUK - Rotor Assembly - HUK Generator - Rotor pole	In Stock		N/A	N/A
HUK - SEAL, COMPAIR 13254	In Stock		N/A	N/A
HUK - SEAT/SEAL KIT, VALVE 1-1/	In Stock		N/A	N/A
HUK - SERVOMOTOR #1 - servomotor repair kit	In Stock		N/A	N/A
HUK - SERVOMOTOR ASSEMBLY - shear pins	In Stock		N/A	N/A
HUK - Slip ring	In Stock		N/A	N/A
HUK - Slipring /Brush Rigging - Brush holder	In Stock		N/A	N/A
HUK - Slipring /Brush Rigging - Carbon brush	In Stock		N/A	N/A
HUK - SOLENOID,GENERATOR AIR VALVE	In Stock		N/A	N/A
HUK - STATION SERVICE SWITCHGEAR - Breaker (EATON)	In Stock		N/A	N/A
HUK - STATOR ASSEMBLY - Stator bars	In Stock		N/A	N/A
HUK - STATOR ASSEMBLY - Stator connection caps	In Stock		N/A	N/A
HUK - STATOR WINDINGS - UNIT 1 - robel bars	In Stock		N/A	N/A
HUK - STN SERVICE TRANSFORMER (SST-1)	In Stock		N/A	N/A
HUK - SURFACE AIR COOLERS	In Stock		N/A	N/A
HUK - SWITCH,LIMIT AB 802T-ATP	In Stock		N/A	N/A
HUK - SWITCH,LIMIT AB 802T-DTP	In Stock		N/A	N/A
HUK - SWITCH,MERCROID TYPE C-4	In Stock		N/A	N/A
HUK - SWITCH,PRESS OIL ALARM	In Stock		N/A	N/A
HUK - THRUST BEARING SEGMENTS (SET) - Thrust Bearing Segments	In Stock		N/A	N/A
HUK - THRUST PIN ASSY,IR 32218406	In Stock		N/A	N/A
HUK - Thrust/Guide Bearing Coolers	In Stock		N/A	N/A
HUK - Thrust/Guide Bearing Coolers - Hi pressure lift pump	In Stock		N/A	N/A
HUK - TURBINE - BEARING SEGMENT TURBINE,	In Stock		N/A	N/A
HUK - TURBINE - Carbon seal,	In Stock		N/A	N/A
HUK - TURBINE - Dowel	In Stock		N/A	N/A
HUK - TURBINE - Eccentric pin	In Stock		N/A	N/A
HUK - TURBINE - Friction hub	In Stock		N/A	N/A
HUK - TURBINE - Friction hub	In Stock		N/A	N/A
HUK - TURBINE - Link pin	In Stock		N/A	N/A
HUK - TURBINE - link thick	In Stock		N/A	N/A
HUK - TURBINE - link thin	In Stock		N/A	N/A
HUK - TURBINE - Packing box	In Stock		N/A	N/A
HUK - TURBINE - PLATE BEARING,	In Stock		N/A	N/A
HUK - TURBINE - SEAL TURBINE,	In Stock		N/A	N/A

Critical Spares Stock Status
Hydraulic Generation
30-Oct-24



Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
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
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

Critical Spares Stock Status
Hydraulic Generation
30-Oct-24



Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
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,COMP AIR E05519	In Stock		N/A	N/A
USL - BEARING,COMP AIR 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
USL - BEARING,MAIN O/E	In Stock		N/A	N/A
USL - BEARING,PACKING CONTAINER	In Stock		N/A	N/A
USL - BELT,DRIVE COMP AIR 3VX850	In Stock		N/A	N/A
USL - BELT,DRIVE COMP AIR 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 X1453147	In Stock		N/A	N/A
USL - GASKET,COMP AIR E05516	In Stock		N/A	N/A
USL - GASKET,COMP AIR E05516	In Stock		N/A	N/A
USL - GASKET,COMP AIR J201671	In Stock		N/A	N/A
USL - GASKET,COMP AIR 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

Critical Spares Stock Status
Hydraulic Generation
30-Oct-24



Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
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
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

Critical Spares Stock Status
Hydraulic Generation
30-Oct-24



Critical Spare Component	Stock Status	Comments	Status Update October 2024	Expected Delivery Date
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 late 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
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
BDE - Surge Tank 600V Hot Water Heater	On Order		N/A	31-Dec-24

Appendix I

Critical Spares Status Listing for Muskrat Falls Generation





Critical Spares Stock Status
Muskrat Falls Generation
07-Nov-24

Critical Spare Component	Stock Status
WEDGE,6.4X35.0X111.8,G11	In Stock
WEDGE,6.4X35.0X74.5,G11	In Stock
BRUSH,TURBINE GENERATOR	In Stock
FUSE,3.15A TIME D S505H-3.15-R	In Stock
BRUSH,TURBINE GENERATOR	In Stock
JACK, MODULAR CAT6+	In Stock
FUSE, 2A / 1000V / TYPE UK	In Stock
SWITCH, HIGH TEMP CUT-OFF	In Stock
STATOR BAR, TOP, GENERATOR	In Stock
FLOAT SWITCH,HEAD COVER SUMP	In Stock
NUT, CLAMPING SR-50112S	In Stock
FUSE, TIME DELAY/CLASS CC 10A	In Stock
COUNTER, TIME 24VDC	In Stock
CABLE AIR GAP,BENTLEY NEVADA	In Stock
FUSE, 12A / 1000V / TYPE UK	In Stock
FUSE, 8A / 1000V / TYPE UK	In Stock
RELAY, AUX 125VDC, 2834313	In Stock
FUSE, BUSSMAN FNQ-2	In Stock
FUSE, BUSSMAN FNQ-8	In Stock
FUSE, LOAD CFU 043 A4J10	In Stock
FUSE, TIME DELAY/CLASS CC .5A	In Stock
FUSE, TIME DELAY/CLASS CC 1.5A	In Stock
FUSE, TIME DELAY/CLASS CC 1A	In Stock
FUSE, TIME DELAY/CLASS CC 2.5A	In Stock
FUSE, TIME DELAY/CLASS CC 2A	In Stock
FUSE, TIME DELAY/CLASS CC 3.5A	In Stock
FUSE, TIME DELAY/CLASS CC 3A	In Stock
FUSE, TIME DELAY/CLASS CC 5A	In Stock
FUSES, POWER	In Stock
RELAY, RELIR4/LDP125DC/4X21AU	In Stock
STV, 10 POINT FINGER SAFE	In Stock
STATOR BAR,BOTTOM,GENERATOR	In Stock
KIT,REPAIR-SOL VALVE 322 H7506	In Stock
RELAY,OVERLOAD EATON 24-32A	In Stock
BEARING,ANTI FRICTION	In Stock
COIL, FREEDOM STARTER SIZE 4	In Stock
CONTACT,MOTOR STARTER DILM25	In Stock
V-BELT, SPB X 3550MM LW	In Stock
ASSEMBLY, S4 GUIDE HEATER	In Stock
BUSHING, INNER, BLADE TRUNNION	In Stock
BUSHING, LEVEL AND CROSSHEAD	In Stock



Critical Spares Stock Status
Muskrat Falls Generation
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Critical Spare Component	Stock Status
BUSHING, OUTER, BLADE TRUNNION	In Stock
BUSHING, RUNNER CONE	In Stock
COIL, REPLACEMENT 110-120 VAC	In Stock
CONTACTOR, REVERSING 24VDC	In Stock
J-SEAL, CORNER 200X206.5...250	In Stock
J-SEAL, R-01S 100X45X15... 3530	In Stock
MODULE REDUNDANCY 24VDC	In Stock
SET, METERING PT PRIMARY FUSE	In Stock
VOLTAGE DETECTOR	In Stock
ASSEMBLY, SWING BOLT	In Stock
FUSE, 1 A TIME DELAY S506-1-R	In Stock
FUSE, 1A TIME DELAY S505H-1-R	In Stock
FUSE, 2 A TIME DELAY S506-2-R	In Stock
FUSE,3.15A TIME D S506-3.15-R	In Stock
J-SEAL, R-01S 100X45X15... 6700	In Stock
J-SEAL, R-01-S, 100X45X15...6510	In Stock
MOTOR,DEMAG,CYLINDRICAL	In Stock
BEARING,RADIAL,SPHERICAL	In Stock
BEARING,ROLLER,110MM ID	In Stock
BEARING,ROLLER,20MM ID	In Stock
BEARING,SPHERICAL ROLLER,50MM	In Stock
BUSHING, NEEDLE NK 35/20	In Stock
COIL, FREEDOM STARTER SIZE 1&2	In Stock
CONTACTOR, SIZE 1	In Stock
COUPLING, BRAKE FLEX WHEEL	In Stock
COUPLING,AUXILIARY HOIST DRUM	In Stock
COUPLING,MAIN HOIST DRUM	In Stock
HEATER,GUIDE,SRG ASSY	In Stock
J-SEAL,100X45X15 3900	In Stock
KIT, FREEDOM ST CONTACT-SIZE 1	In Stock
KIT, FREEDOM ST CONTACT-SIZE 3	In Stock
KIT, FREEDOM ST CONTACT-SIZE 4	In Stock
KIT, FREEDOM ST CONTACT-SIZE 5	In Stock
MODULE, RECTIFIER POWER	In Stock
PIGTAIL, SINGLE FIBER 3M	In Stock
RELAY,SYNCHROCHECK ABB	In Stock
RELAY,SYNCHROCHECK DUAL ABB	In Stock
RING, NOSE (185)	In Stock
RING, OIL SCRAPER (150)	In Stock
RING, OIL SCRAPER (185)	In Stock
RING, OIL SCRAPER (85)	In Stock



Critical Spares Stock Status
Muskrat Falls Generation
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Critical Spare Component	Stock Status
RING, PISTON (150)	In Stock
RING, PISTON (48)	In Stock
RING, PISTON (85)	In Stock
SCRAPER,PLASTIC,100X1000(925)	In Stock
V-BELT, SPA X 900MM LW	In Stock
WASHER, SERVOMOTOR CLEVIS	In Stock
BASE W/ISOLATOR, SENSOR	In Stock
CONTACT, AUX NO NC SIZE 5	In Stock
CONTACT,AUX EATON DILM32	In Stock
CONTACT,SET EATON DILM250	In Stock
CONTACTOR, SIZE 2	In Stock
CONTACTS,EATON DILM150	In Stock
CONTACTS,EATON DILM95	In Stock
ELEMENT,HUMIDIFIER	In Stock
FITTING, BULKHEAD SR-52612S	In Stock
FITTING, MAVI 12S R1/4"	In Stock
FUSE, CARTRIDGE 10AT 600V	In Stock
FUSE, FAST ACTING - GGM1/2	In Stock
FUSE-LINK, NH-GR.2 630AAR 690V	In Stock
MODULE, 8 AMP RELAY IAM	In Stock
MODULE, RELAY IAM	In Stock
MODULE, SUPERVISED IAM	In Stock
MODULE,AUX CONTACT DILM1000	In Stock
MODULE,TRUE ALERT ISOLATOR	In Stock
STROBE, MC WHITE	In Stock
COOLER,SURFACE AIR MFAGS	In Stock
MODULE-ISOLATOR, ADDRESS	In Stock
ACTUATOR, BOOSTER	In Stock
ACTUATOR, HF ELECTRIC	In Stock
ASSEMBLY, 150A ROTARY/STAB	In Stock
ASSEMBLY, 225A ROTARY/STAB	In Stock
ASSEMBLY, 320A ROTARY/STAB	In Stock
ASSEMBLY, 60A ROTARY/STAB	In Stock
BALL VALVE	In Stock
BALL VALVE	In Stock
BEARING, CONICAL ROLLER	In Stock
BEARING, HOIST FREE SPERHICAL	In Stock
BEARING,DWS 630 EA,DEMAG	In Stock
BEARING,HOIST DRIVEN SPHERICAL	In Stock
BELT,FAN A42,WRAPPED	In Stock
BOARD, CONT. ENERTRONIC 40MHZ	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
BREAKER, EATON FDC3150S	In Stock
BREATHER,DESSICANT,HYDRAULIC	In Stock
CARTRIDGE, OIL SEPARATOR	In Stock
CISCO C9300 ADMIN SWITCH	In Stock
COIL, FREEDOM STARTER SIZE 3	In Stock
COIL,CONTACT EATON 110-250V	In Stock
CONTACT,AUX EATON C320KGS1	In Stock
CONTACT,AUX EATON C320KGS2	In Stock
CONTACTOR, 600V, 3 POLE, 50A	In Stock
CONTACTOR, 600V, 3 POLE, 80A	In Stock
CONTROLLER, TEMP 1/8DIN, 24VDC	In Stock
DETECTOR, 136RR MOISTURE PROOF	In Stock
FILTER, OUTPUT 3PH 600V 80KA	In Stock
FITTING, ELBOW SR-50612S	In Stock
FITTING, ELBOW SR-56412S	In Stock
FITTING, PLUG SR-59912S	In Stock
FITTING, STRAIGHT SR-50512S	In Stock
FITTING, STRAIGHT SR-51012S38	In Stock
FUSE, LOAD A4J50	In Stock
FUSE, LOAD CFU 045 A4J15	In Stock
FUSE, LOAD CFU 045 A4J25	In Stock
HEATER, SPACE 150W 120V	In Stock
HEATER,GUIDE,SRG ASSY,LATERAL	In Stock
HORN STROBE	In Stock
HORN STROBE	In Stock
HORN STROBE, WEATHER PROOF	In Stock
HORN, WEATHER PROOF	In Stock
INSULATOR, STAND OFF - 11"	In Stock
J-SEAL, R-01S 100X45X15... 2820	In Stock
J-SEAL, R-01S 100X45X15... 3760	In Stock
J-SEAL,100X45X15 2510	In Stock
J-SEAL,100X45X15 2540	In Stock
J-SEAL,100X45X15 3240	In Stock
KIT, O-RING	In Stock
KIT, SEAL NG6 DIRECTIONAL VLV	In Stock
KIT, SEAL (NG10 POPPET VALVE)	In Stock
KIT, SEAL (NG100)	In Stock
KIT, SEAL (NG25)	In Stock
KIT, SEAL (NG50)	In Stock
KIT, SEAL (NG6 POPPET VALVE)	In Stock
KIT, SEAL (NG80)	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
LAMP, AMBER LED 6V/12V AC/DC	In Stock
MODULE RTD SEL 2600	In Stock
MODULE, SIGNAL IAM	In Stock
MOTOR,OIL SKIMMER	In Stock
PANEL, HUBBELL FSPST8	In Stock
PLATE,LEAF SPRING,POS 4	In Stock
PLATE,LEAF SPRING,POS 5	In Stock
PLUG, CLOSING SR-58912LS	In Stock
POWER SUPPLY 125 VDC INPUT	In Stock
POWER SUPPLY,60W	In Stock
PULL STATION S/A B LOCK SPST	In Stock
RELAY, 24VDC CONTROL CAD32BD	In Stock
RELAY, 24VDC CONTROL CAD50BD	In Stock
RELAY, 4C0 7A FINDER	In Stock
RELAY, AC UNDERCURRENT	In Stock
RELAY, ZELIO TIMING, RE7RB13MW	In Stock
RELAY, ZELIO TIMING, RE7TP13BU	In Stock
RELAY,BISTABLE,RXMVB2,4 MAKE	In Stock
RELAY,OVERLOAD EATON 5A	In Stock
RESISTOR, END-OF-LINE SS	In Stock
SCRAPER,PLASTIC,100X1000(650)	In Stock
SEAL, CENTER BULB	In Stock
SEAL, MECHANICAL C/W GASKET	In Stock
SEAL, MECHANICAL C/W GASKET	In Stock
SEAL, U-CUP HO1	In Stock
SEAL,FLAT 90X15... 6920	In Stock
SEALS, MECHANICAL	In Stock
SEAT, VALVE - AB16.001	In Stock
SENSOR AIR GAP,BENTLEY NEVADA	In Stock
SENSOR, CHLORINE	In Stock
SET, 5KVA CPT PRIMARY FUSE	In Stock
SIGHT GLASS, #SA-17S	In Stock
SOCKET, AUX RELAY, 2833563	In Stock
SOLENOID VALVE	In Stock
SPRING, CUP-"K" DIA 65.5/99X1	In Stock
STARTER, FREEDOM / GND FAULT	In Stock
STATION-LED	In Stock
STROBE	In Stock
SWITCH, AUX K FRAME	In Stock
SWITCH, SLACK ROPE	In Stock
SWITCH, TEMP 1/16DIN, 24VDC	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
THERMOCOUPLE, TYPE K	In Stock
THERMOMETER, QUALITROL 118 ITM	In Stock
TRANSMITTER, ISOLATED TEMP-RTD	In Stock
TUBE,OIL SKIMMER 35FT	In Stock
TUBE,OIL SKIMMER 66FT	In Stock
VALVE, BALL 1/2" PVC	In Stock
VALVE, BALL 1" PVC TYPE 21	In Stock
VALVE,AIR RELEASE	In Stock
GUIDE BEARING PAD, TURBINE	In Stock
2-PORT CLX Hi-Cap ENET/P	In Stock
90-143Vdc Power Supply(5V 13A)	In Stock
ACCUMULATOR, SUCTION	In Stock
ACTUATOR, DAMPER	In Stock
ACTUATOR, LOCAL MANUAL LEVER	In Stock
AMALGAM LAMP, UVMAX PRO	In Stock
ASSEMBLY, CONTROL (CHARGER)	In Stock
ASSEMBLY, GENSET BASE PCB	In Stock
ATTACHMENT, CONTACT 595-AB	In Stock
BASE, CO SENSOR EXTENDED LIFE	In Stock
BASE, RELAY - D7DT 2967031	In Stock
BASE, RELAY - SPDT 2966032	In Stock
BEARING, FAN P2B 1-11/16 RB-E	In Stock
BEARING, FAN P2B 1-15/16 RB-E	In Stock
BEARING, FAN P2B 1-7/16 RB-E	In Stock
BEARING, FAN P2B 2-3/16 RB-E	In Stock
BEARING, INBOARD SHAFT	In Stock
BEARING, OUTBOARD SHAFT	In Stock
BELTS - RETURN FAN	In Stock
BELTS - RETURN FAN	In Stock
BELTS - SUPPLY FAN	In Stock
BELTS - SUPPLY FAN	In Stock
BELTS - SUPPLY FAN	In Stock
BELTS - SUPPLY FAN	In Stock
BOARD, ADAPTER EXT MEAS 690VAC	In Stock
BOARD, ADAPTER I-PARALLEL	In Stock
BOARD, BYPASS AMP GATE ENER	In Stock
BOARD, ENCODER FOR ATV71	In Stock
BOARD, INPUT/OUTPUT ENERTRONIC	In Stock
BOARD, MEAS. 110/220/380 VDC	In Stock
BOARD, MEASURING 480VAC UL	In Stock
BOARD, MEASURING BACKFEED2	In Stock



Critical Spares Stock Status
Muskrat Falls Generation
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Critical Spare Component	Stock Status
BOARD, RECTIFIER 1PH NETZTEIL	In Stock
BOARD, TERMINAL	In Stock
BOOSTER/REPEATER, 4009	In Stock
BREAKER, EATON BAB1015	In Stock
BREAKER, EATON BAB1020	In Stock
BREAKER, EATON BAB1030	In Stock
BREAKER, EATON BAB2015	In Stock
BREAKER, EATON BAB2020	In Stock
BREAKER, EATON BAB2030	In Stock
BREAKER, EATON BAB2040	In Stock
BREAKER, EATON BAB3015H	In Stock
BREAKER, EATON BAB3030H	In Stock
BREAKER, EATON EHD3070S	In Stock
BREAKER, EATON EHD3100S	In Stock
BREAKER, EATON FDC2030S	In Stock
BREAKER, EATON FDC3015S	In Stock
BREAKER, EATON FDC3020S	In Stock
BREAKER, EATON FDC3025S	In Stock
BREAKER, EATON FDC3030S	In Stock
BREAKER, EATON FDC3050S	In Stock
BREAKER, EATON FDC3060S	In Stock
BREAKER, EATON FDC3070S	In Stock
BREAKER, EATON FDC3080S	In Stock
BREAKER, EATON FDC3090S	In Stock
BREAKER, EATON FDC3100S	In Stock
BREAKER, EATON HFD1015S	In Stock
BREAKER, EATON HFD2015S	In Stock
BREAKER, EATON HFD2030S	In Stock
BREAKER, EATON HFD2060S	In Stock
BREAKER, EATON HFD3015S	In Stock
BREAKER, EATON HFD3020S	In Stock
BREAKER, EATON HFD3040S	In Stock
BREAKER, EATON HFD3090S	In Stock
BREAKER, EATON HFD3100S	In Stock
BREAKER, EATON HFD3125S	In Stock
BREAKER, EATON HJD2250FS	In Stock
BREAKER, EATON HKD3400FS	In Stock
BREAKER, EATON HMCP003A0C	In Stock
BREAKER, EATON HMCP003A0S	In Stock
BREAKER, EATON HMCP007C0C	In Stock
BREAKER, EATON HMCP007C0S	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
BREAKER, EATON HMCP015E0C	In Stock
BREAKER, EATON HMCP015E0S	In Stock
BREAKER, EATON HMCP030H1S	In Stock
BREAKER, EATON HMCP050K2S	In Stock
BREAKER, EATON HMCP100R3S	In Stock
BREAKER, EATON HMCP150U4S	In Stock
BREAKER, EATON JT2100T	In Stock
BREAKER, EATON KES3125LSIG	In Stock
BREAKER, EATON KES3400LSIG	In Stock
BUSHING, 170mm/150mm... 50mm	In Stock
BUSHING, 185mm/165mm... 50mm	In Stock
BUSHING, 185mm/165mm... 75mm	In Stock
BUSHING, 85mm/70mm... 80mm	In Stock
BUSHING, SHAFT	In Stock
CABLE EXT 10M,BENTLEY NEVADA	In Stock
CABLE, MEMOSENS 3 METER	In Stock
CARD,MODBUS TCP COMM	In Stock
CASTER, HEAVY DUTY SWIVEL	In Stock
CCT BKR, EATON FDC3040S	In Stock
CCT BKR, MINIATURE S201M-K10UC	In Stock
CCT BKR, MINIATURE S201M-K6UC	In Stock
CCT BKR, MINIATURE S202M-K10UC	In Stock
CCT BKR, MINIATURE S202M-K6AUC	In Stock
CCT BKR, THERMOMAGNETIC 10A	In Stock
CCT BKR, THERMOMAGNETIC 15A	In Stock
CCT BKR, THERMOMAGNETIC 3A	In Stock
CCT BKR, THERMOMAGNETIC 5A	In Stock
CLOCK, PTP CONVERTER	In Stock
CLOCK, SUBSTATION TCG 01-G	In Stock
CLX Redundancy Module	In Stock
COATING, ADPT BRD PARALLEL BRD	In Stock
COIL, AUX RELAY 120VAC 2834135	In Stock
COIL, SOLENOID MKC-2	In Stock
COMPRESSOR,ZB76K5E-TFE-260	In Stock
COMPRESSOR,ZB95K5E-TFE-260	In Stock
CONTACT, AUXILIARY 2NO/2NC	In Stock
CONTACT, AUXILIARY SPDT	In Stock
CONTACTOR, SIZE 0	In Stock
CONTACTOR, SIZE 3	In Stock
CONTACTOR, SIZE 4	In Stock
CONTACTOR, TESYS D, LC1 D09BD	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
CONTACTOR, TESYS, LC1 D40G7	In Stock
CONTACTOR,ABB	In Stock
CONTROL, DUAL PRESSURE	In Stock
CONTROL, DUAL PRESSURE	In Stock
CONTROL, FAN U_PWM_MAX12V	In Stock
CONTROLLER, 4007 MAIN INERGEN	In Stock
CONTROLLER, CLOCK CCLK-1004	In Stock
CONTROLLER, CONTROLLOGIX 3MB	In Stock
CONTROLLER, INPUT MODULE	In Stock
CONTROLLER, MICRO 850	In Stock
CONTROLLER, THERMOLEC D21-PSSR	In Stock
CONTROLLER, THERMOSTAT	In Stock
CONTROLLER, UVMAXPRO10	In Stock
CONTROLLER,AUTOMATION	In Stock
CONTROLLER,AUTOMATION	In Stock
CONTROLLOGIX 8PT RTD/THRMCP In	In Stock
CONVERTER, ANALOG RMCL55BD	In Stock
CONVERTER, DC/DC, 2320018	In Stock
CONVERTER, DC/DC, 2320034	In Stock
CONVERTER, MEDIA	In Stock
COUPLING, 10" VICTAULIC STYLE	In Stock
COUPLING, 12" VICTAULIC STYLE	In Stock
COUPLING, 2" SS VICTAULIC STY	In Stock
COUPLING, 2.5" SS VICTAULIC S	In Stock
COUPLING, 3" SS VICTAULIC STY	In Stock
COUPLING, 4" SS VICTAULIC STY	In Stock
COUPLING, 6" SS VICTAULIC STY	In Stock
COUPLING, 6" VICTAULIC STYLE	In Stock
COUPLING, 8" VICTAULIC STYLE	In Stock
COVER, PULL STATION	In Stock
CT, GROUND FAULT FOR D64 RELAY	In Stock
CUT-OUT, AUTO RESET THERMOLEC	In Stock
CUT-OUT, MAN RESET THERMOLEC	In Stock
CUT-OUT, THERMO	In Stock
CYLINDER, CALIBRATION 1/2" NPT	In Stock
DEPRESSOR, #200-2026-14	In Stock
DESSICANT,XFMR BREATHER	In Stock
DETECTOR, EXPL. PROOF SMOKE	In Stock
DEVICE, CHARGE 110/220/380VDC	In Stock
DIGITAL OP'S, 24VDC 1756-OB32	In Stock
DIGITRIP 520MC LSIG	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
DISCONNECT, 100A NON-FUSED	In Stock
DISCONNECT, 200A NON-FUSED	In Stock
DISCONNECT, 200A NON-FUSED	In Stock
DISCONNECT, 30A NON-FUSED	In Stock
DISCONNECT, 400A NON-FUSED	In Stock
DISCONNECT, 400A NON-FUSED	In Stock
DISCONNECT, 60A NON-FUSED	In Stock
DISPLAY, DIGITAL K3MA-J	In Stock
DRIVE,VARIABLE FREQUENCY 100HP	In Stock
DRIVE,VARIABLE FREQUENCY 15HP	In Stock
DRIVE,VARIABLE FREQUENCY 7.5HP	In Stock
ELBOW,PIPE 1" NPT MX1" BSP F90	In Stock
FAN, 24 VDC	In Stock
FAN, COOLING A10AXFN	In Stock
FIELD DEVICES, POWER SUPPLY	In Stock
FILL VALVE,HUMIDIFIER	In Stock
FILTER, DV/DT 60A	In Stock
FILTER, OUTPUT 1PH 220V 40KA	In Stock
FILTER, RFI A101/601 480/690V	In Stock
FILTER, RFI UKH50 1PH 300V	In Stock
FILTER, RFI UKH50 3PH 690V	In Stock
FILTER, RFI UKH95 1PH 300V	In Stock
FUSE HOLDER, MODULAR E92/30	In Stock
FUSE HOLDER, MODULAR E92/32	In Stock
FUSE HOLDER, MODULAR E92/60J	In Stock
FUSE HOLDER, MODULAR E93N/30	In Stock
FUSE, BUSSMAN FNQ-R-3	In Stock
FUSE, BUSSMAN FRS-R-20	In Stock
GASKET, 2142517394	In Stock
GASKET, CASE	In Stock
GASKET, MANHOLE 18" X 14"	In Stock
GASKET, ORS469B70	In Stock
GASKET, PROBE	In Stock
GASKET, TANK COVER	In Stock
GAUGE, PRESSURE WINTERS	In Stock
HEATER, 15W 120VAC	In Stock
HEATER, 30W 120VAC	In Stock
HEATER, WATER 0333-0677-02	In Stock
HMI, PANELVIEW PLUS 7 STD.	In Stock
HOSE, SILICON RUBBER	In Stock
HUMIDISTAT, HOFFMAN AMHUM	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
HYGROSTAT, MECHANICAL	In Stock
ISOLATOR, VIB.KORFUND 2400	In Stock
JOINT HEAD, SAL40-TXE-2LS, LHT	In Stock
J-SEAL, R-01S 100X45X15... 6400	In Stock
KIT, 3/4" DRAIN REPLACEMENT	In Stock
KIT, COMPRESSOR MOUNTING	In Stock
KIT, CONTROL (ANN WITH ENCL)	In Stock
KIT, CONTROL (NTWK COMM)	In Stock
KIT, GPX FIRE PUMP CONTROLLERS	In Stock
KIT, HARNESS	In Stock
KIT, MECHANICAL SEAL	In Stock
KIT, MOUNTING - IO EXT BOARD	In Stock
KIT, OVERHALL PACK PS5410	In Stock
KIT, PACKING REPAIR	In Stock
KIT, REMOTE RACKING 86-5958	In Stock
KIT, REPAIR - NON-RETURN VLV	In Stock
KIT, SEAL (NG63)	In Stock
KIT, SEAL HPGH CERAMIC	In Stock
KIT, SEAL NG10 DIRECTIONAL VLV	In Stock
KIT, SUBMERSIBLE PUMP REPAIR	In Stock
KIT, UVMAX PRO30 (LAMP)	In Stock
KIT, VALVE DIAPHRAGM	In Stock
KIT, WATER PUMP GASKET	In Stock
KIT, WATER PUMP SEAL	In Stock
KIT,REPAIR-VENT VALVE AB16.001	In Stock
MESH, SCREEN 40	In Stock
MESH, SCREEN 40 (400 MICRON)	In Stock
METER, ELECTRONIC FLOW	In Stock
METER, POWER QUALITY SEL 735	In Stock
METER, POWER, SEL	In Stock
MODULE ETHERNET DNP3	In Stock
MODULE, 2 AMP COIL SUPERVISORY	In Stock
MODULE, 32 DIGITAL INPUT	In Stock
MODULE, 4007 RELAY	In Stock
MODULE, 4100 16 LED	In Stock
MODULE, 4100 64 LED/SW	In Stock
MODULE, 4100 ALARM RELAY	In Stock
MODULE, 4100 ETHERNET	In Stock
MODULE, 4100 IDNET 2+2	In Stock
MODULE, 8 DIGITAL OUTPUT	In Stock
MODULE, ANALOG INPUT 2-CH	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
MODULE, ANALOG OUTPUT 2-CH	In Stock
MODULE, COMMCENTER	In Stock
MODULE, PLC-RSC-24DC/21AU	In Stock
MODULE, PLC-RSC-24DC/21AU 2PDT	In Stock
MODULE, REDUNDANCY, 2902879	In Stock
MODULE, RELAY 2967086	In Stock
MODULE, SWITCHED RECTIFIER	In Stock
MODULES, I/O ECY-8UI6UO	In Stock
MOTOR, 10HP TECO-WEST.	In Stock
MOTOR, 10HP TECO-WEST.	In Stock
MOTOR, 15HP TECO-WEST.	In Stock
MOTOR, 1HP TECO-WEST.	In Stock
MOTOR, 2HP TECO-WEST.	In Stock
MOTOR, 3HP TECO-WEST.	In Stock
MOTOR, 3HP TECO-WEST.	In Stock
MOTOR, 3-PHASE,SQUIRREL CAGE	In Stock
MOTOR, 5HP ELECTRIC TECHTOP	In Stock
MOTOR, 7.5HP TECO-WEST.	In Stock
MOTOR, ELECTRIC A285000000	In Stock
MOTOR,60HP,1200RPM,575V,60HZ	In Stock
MOTOR,SEAL WATER	In Stock
O/L, C440 (RANGE .33-1.65A)	In Stock
O/L, C440 (RANGE 1 - 5A)	In Stock
O/L, C440 (RANGE 4 - 20A)	In Stock
O/L, C441 (TRIP RANGE .3-9A)	In Stock
O/L, C441 (TRIP RANGE 1-9A)	In Stock
O/L, C441 (TRIP RANGE 5-90A)	In Stock
O-RING, COVER	In Stock
PERIPHERAL, L-ADIO I/O	In Stock
PIN, DRIVE	In Stock
PISTON RING	In Stock
PLUG, HEATER VENT	In Stock
POTENTIOMETER, 5000 OHM	In Stock
POWER SUPPLY, 120VAC/24VDC-5A	In Stock
POWER SUPPLY, PLC ECY-PS24	In Stock
POWER SUPPLY, PS/1AC/24VDC/10A	In Stock
POWER SUPPLY,120W	In Stock
POWER SUPPLY,REDUNDANT,DC	In Stock
PROBE, INTENSITY UV REACTOR	In Stock
PROPELLER, WHEEL - SUPPLY FAN	In Stock
PROTECTION, MOTOR CONTROL	In Stock



Critical Spares Stock Status
Muskrat Falls Generation
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Critical Spare Component	Stock Status
PUMP,AXIAL PISTON VARIABLE	In Stock
PUMP,MOTOR D/C	In Stock
PUMP,SEAL WATER	In Stock
REFLECTOR, PRISM	In Stock
REGULATOR, AUTO VOLT (24V)	In Stock
RELAY, 4PDT COIL 125VDC	In Stock
RELAY, 4PDT COIL 24VDC	In Stock
RELAY, 4PDT 125 VDC	In Stock
RELAY, 4PDT 5A 120VAC 2903305	In Stock
RELAY, AUX 24VDC, 2834096	In Stock
RELAY, CNTRL DPDT 12VDC COIL	In Stock
RELAY, CNTRL DPDT 24VAC COIL	In Stock
RELAY, CONTROL (24VDC)	In Stock
RELAY, CSR 113 RA6050-D16	In Stock
RELAY, CSR 120 RA6050-D16	In Stock
RELAY, D64 GROUND FAULT	In Stock
RELAY, DC CTRL 1SNA645012R2500	In Stock
RELAY, DC CTRL 1SNA645041R0200	In Stock
RELAY, DPDT COIL 120VAC	In Stock
RELAY, DPDT COIL 24VAC	In Stock
RELAY, DPDT COIL 24VDC	In Stock
RELAY, DPDT 120VAC 2961228	In Stock
RELAY, DPDT 120VAC 2967138	In Stock
RELAY, ELECTRICALLY HELD 120V	In Stock
RELAY, EMERG STOP XPSAXE5120P	In Stock
RELAY, GROUND FAULT	In Stock
RELAY, LATCHING 12 POLE 10A	In Stock
RELAY, LATCHING 4 POLE 10A	In Stock
RELAY, LOAD MONITORING	In Stock
RELAY, OVERCURRENT FOR HORN	In Stock
RELAY, RA6050-D16	In Stock
RELAY, SMART ANALOG SR3XT43BD	In Stock
RELAY, SMART LOGIC SR3B261BD	In Stock
RELAY, SPDT COIL 24VDC	In Stock
RELAY, SPDT 120VAC 2961134	In Stock
RELAY, STYLE# 7805D	In Stock
RELAY, TIME DELAY UNDERVOLTAGE	In Stock
RELAY, TIME ETD-1T-ON-300S	In Stock
RELAY, TIMER 2866161	In Stock
RELAY, TIMER 2866187	In Stock
RELAY, TIMER 2905813	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
RELAY, TIMING/PULSE OUTPUT	In Stock
RELAY, TMK PWR MON. 85-120VAC	In Stock
RING, COVER - LMF K8 104-4	In Stock
RING, SPACER - LMF K8.109-4	In Stock
RTD, SRG GUIDE HEATER CONTROL	In Stock
SCREEN, 50 MICRON (325 MESH)	In Stock
SEAL, PISTON ROD	In Stock
SEAL, SHAFT	In Stock
SENDER, PRESSURE	In Stock
SENSOR, CURRENT	In Stock
SENSOR, CURRENT (RANGE: 10)	In Stock
SENSOR, CURRENT (RANGE: 100)	In Stock
SENSOR, ELECTRONIC LEVEL	In Stock
SENSOR, ELECTRONIC TEMPERATURE	In Stock
SENSOR, PH	In Stock
SENSOR, STD 3 PL CURRENT 800A	In Stock
SENSOR, TURBIDITY	In Stock
SENSOR/RATING PLUG,1200A	In Stock
SERVER, SERIAL DEVICE	In Stock
SHAFT, FAN 1-11/16X27-1/4	In Stock
SHEAVE,1004.4MM PITCH DIA.	In Stock
SHEAVE,914.4MM PITCH DIA.	In Stock
SHEAVE,Ø630 FOR LIFTING BEAM	In Stock
SHEAVE,TYPE:MOD. D/GOSAN, S.A	In Stock
SHOE, BRAKE ASSEMBLY	In Stock
SHUNT TRIP 110-127 VAC/VDC	In Stock
SNUBBER, .25PO MNPT	In Stock
SOCKET, RELAY BASE P2CF-08	In Stock
SOLENOID, BRAKE, 13 MBE 300M	In Stock
SPRING RELEASE 110-127 VAC/VDC	In Stock
STATION-LED	In Stock
SUP RELEASE PERIPH & ENCLOSURE	In Stock
SUPPLY, POWER 110/230 SE	In Stock
SWITCH, #HBL11	In Stock
SWITCH, 2" VSR FLOW	In Stock
SWITCH, 2.5" VSR FLOW	In Stock
SWITCH, 3" VSR FLOW	In Stock
SWITCH, 4" VSR FLOW	In Stock
SWITCH, 6" VSR FLOW	In Stock
SWITCH, ABORT	In Stock
SWITCH, AIRFLOW SCHNEIDER	In Stock



Critical Spares Stock Status
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Critical Spare Component	Stock Status
SWITCH, BASIN	In Stock
SWITCH, DIFF. PRES.	In Stock
SWITCH, DIFFERENTIAL PRESSURE	In Stock
SWITCH, DISCONNECT THERMOLEC	In Stock
SWITCH, DISCONNECT THERMOLEC	In Stock
SWITCH, DISCONNECT MAINTENANCE	In Stock
SWITCH, ELECTRIC CLOGGING IND	In Stock
SWITCH, ELECTRIC WATER SENSOR	In Stock
SWITCH, ELECTRONIC LEVEL	In Stock
SWITCH, ELECTRONIC PRESSURE	In Stock
SWITCH, ETAP FOR NETWORK RING	In Stock
SWITCH, ETHERNET 8 PORTS	In Stock
SWITCH, SELECTOR 2 POS 800T-H2	In Stock
SWITCH,DISCHARGE PRESSURE 3PDT	In Stock
SWITCH,STRATIX 8000	In Stock
THERMOSTAT, CUMMINS	In Stock
THERMOSTAT, DUAL HOFFMAN	In Stock
THERMOSTAT, HIGH LIMIT	In Stock
THERMOSTAT, HOFFMAN ATEMHUM	In Stock
TIMER, MULTIMODE DPDT	In Stock
TIMER, NXT2-24V	In Stock
TIMER, POWER OFF-DELAY SPDT	In Stock
TRANSCEIVER, SFP	In Stock
TRANSFORMER, #PH250AJ	In Stock
TRANSFORMER, 600V/24V	In Stock
TRANSFORMER, CNTRL C0100E5EFB	In Stock
TRANSFORMER, CONTROL	In Stock
TRANSFORMER, CONTROL 100VA	In Stock
TRANSFORMER, CONTROL 100VA	In Stock
TRANSFORMER, CONTROL 150VA	In Stock
TRANSFORMER, CONTROL 200VA	In Stock
TRANSFORMER, CONTROL 200VA	In Stock
TRANSFORMER, CONTROL 250VA	In Stock
TRANSFORMER, CONTROL 350VA	In Stock
TRANSFORMER, CONTROL 500VA	In Stock
TRANSFORMER, CONTROL 750VA	In Stock
TRANSFORMER, CURRENT 1200:5	In Stock
TRANSFORMER, CURRENT 3200:5	In Stock
TRANSFORMER, CURRENT 800:5	In Stock
TRANSFORMER, THERMOLEC	In Stock
TRANSFORMER, VOLTAGE MODEL 450	In Stock



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Critical Spare Component	Stock Status
TRANSMITTER, CURRENT	In Stock
TRANSMITTER, DIFF. PRES.	In Stock
TRANSMITTER, FLOW	In Stock
TRANSMITTER, HUMIDITY	In Stock
TRANSMITTER/PROBE, TANK LEVEL	In Stock
TRAY, FUSION SPLICE-12 FIBERS	In Stock
TRIP UNIT,RMS 310 3P 250A	In Stock
UNIT, INVERTRONIC DISPLAY	In Stock
VALVE, AIR RELEASE 801AS	In Stock
VALVE, BACK PRESSURE 1/2"	In Stock
VALVE, BALL FLOWTEK 1" FNPT	In Stock
VALVE, BALL FLOWTEK 2" FNPT	In Stock
VALVE, BALL 1/2" PVC	In Stock
VALVE, BALL 3/4" PVC TYPE 21	In Stock
VALVE, BUTTERFLY BRAY 4" ELEC	In Stock
VALVE, BUTTERFLY BRAY 4" WHEEL	In Stock
VALVE, BYPASS #ADRHE-6	In Stock
VALVE, BYPASS #ADRPE-3	In Stock
VALVE, CHECK 2" FLANGED CS	In Stock
VALVE, CHECK B34236 1 1/8"	In Stock
VALVE, FILL SST .125 COMPLETE	In Stock
VALVE, KIDNEY LOOP CONTROL	In Stock
VALVE, MAGNI-CHECK	In Stock
VALVE, PROPORTIONAL-RB CONTROL	In Stock
VALVE, RELIEF 1/2"	In Stock
VALVE, RUNNER STOP	In Stock
VALVE, SHUT-DOWN & STOP	In Stock
VALVE, SOLENOID B14S2	In Stock
VALVE, SOLENOID B19S2	In Stock
VALVE, THERMOSTATIC EXPANSION	In Stock
VALVE, THERMOSTATIC EXPANSION	In Stock
VALVE, UNLOADING	In Stock
VALVE, WATER ADMISSION	In Stock
VALVE,BUTTERFLY BRAY 2.5" ELEC	In Stock
VALVE,BUTTERFLY BRAY 2.5" WHL	In Stock
V-RING, VL-220	In Stock
WINDOW, SPLICE	In Stock
WIRE, WITH PROBE BLACK PLUG	In Stock
XFMR,CONTROL EATON 150VA	In Stock
XFMR,CONTROL EATON 300VA	In Stock
XFMR,GSU MFA 230MVA 315/15kV	In Stock



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Critical Spare Component	Stock Status
XFMR/SENSOR,CURRENT,1600A	In Stock
XFMR/SENSOR,CURRENT,3200A	In Stock
XFMR/SENSOR,CURRENT,800A	In Stock
ASSY,SHEAR PIN MFAGS TURBINE	In Stock
BEARING PAD, ANTI-ROTATION KEY	In Stock
BEARING STRIP, INTERMEDIATE	In Stock
BUSHING FOR OIL HEAD	In Stock
BUSHING FOR OIL HEAD UPPER	In Stock
BUSHING, GATE OPERATING RING	In Stock
BUSHING, LINKS/LEVERS	In Stock
BUSHING,SERVOMOTOR	In Stock
BUSHING,SERVOMOTOR PIN	In Stock
CLAMP,V-RING SEAL	In Stock
DOWEL PIN,LINKS LEVERS ASSY	In Stock
ECCENTRIC PIN ASSEMBLY	In Stock
LINK PIN, GUIDE VANE, TURBINE	In Stock
LOCKING PLATE,LINK LEVER ASSY	In Stock
SEAL KIT, BLADE TRUNNION	In Stock
SEAL RING,OIL HEAD PIPES	In Stock
SEAL,V-RING GUIDE BEARING ASSY	In Stock
SPRING,GARTER SHAFT SEAL	In Stock
THRUST WASHER, BLADE	In Stock
THRUST WASHER, LINKS / LEVERS	In Stock
WASHER, SERVOMOTOR BEARING PIN	In Stock
POLE,WOUND,ASSEMBLY TYPE A	In Stock
POLE,WOUND,ASSEMBLY TYPE B	In Stock
BEARING, LOWER GUIDE	In Stock
SHOE,THRUST BEARING	In Stock
ADAPTER, FLANGE	Not Ordered
BASE, RELAY 3369184:AA	Not Ordered
BASE, RELAY 3715027:AA	Not Ordered
BASE, RELAY,11 PIN	Not Ordered
BASE, RELAY,8 PIN	Not Ordered
BAY, 4100 EXPANSION	Not Ordered
BEARING, BALL,SINGLE 6005 2RSR	Not Ordered
BEARING,AXIAL CYLINDRICAL	Not Ordered
BEARING,CYLINDRICAL ROLLER	Not Ordered
BEARING,CYLINDRICAL ROLLER Ø80	Not Ordered
BEARING,FLANGE,40MM,UCFC208	Not Ordered
BEARING,ROTATING UNIT	Not Ordered
BEARING,SEALED SPHERICAL	Not Ordered



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Critical Spare Component	Stock Status
BEARING,SEALED SPHERICAL	Not Ordered
BEARING,SINGLE 6308 2RSR	Not Ordered
BEARING,SINGLE ROW DEEP GROOVE	Not Ordered
BEARING,SPHERICAL ROLLER Ø110	Not Ordered
BEARING,SPHERICAL ROLLER Ø140	Not Ordered
BEARING,SPHERICAL ROLLER Ø160	Not Ordered
BEARING,SPHERICAL ROLLER Ø260	Not Ordered
BEARING,THRUST BALL Ø90	Not Ordered
BEARING,THRUST ROLLER Ø240	Not Ordered
BEARING,WHEEL, DWS 500 EA	Not Ordered
BOLT,COUNTERSINK,M16X70	Not Ordered
BREAKER,CIRCUIT,15A,SERIES L9	Not Ordered
BREAKER,CIRCUIT,20A,1POLE	Not Ordered
BUFFER,CELLULAR BUFFER 160Ø	Not Ordered
BUMPER,HYDRAULIC	Not Ordered
BUMPER,HYDRAULIC TYPE 21-150	Not Ordered
BUSHING, GUIDE VANE, INTER	Not Ordered
BUSHING, HV	Not Ordered
BUSHING, HV	Not Ordered
BUSHING, LV	Not Ordered
BUSHING, LV	Not Ordered
BUSHING, SERVOMETER PIN,	Not Ordered
BUSHING, SERVOMOTOR REAR CAP	Not Ordered
BUSHING,HV,GOE1425-1050 1	Not Ordered
BUSHING,LV,ALAMO 25 KV	Not Ordered
BUSHING,NEUTRAL,ALAMO 25 KV	Not Ordered
CLIP, RELAY HOLDER	Not Ordered
CLOCK,PTP CONVERTER	Not Ordered
CLOCK,PTP CONVERTER	Not Ordered
COIL, ALLEN BRADLEY 500LG	Not Ordered
CONNECTOR,DUAL-RATED ALUM	Not Ordered
CONNECTOR,HYD QUICK,SV-MU	Not Ordered
CONNECTOR,HYD QUICK,SV-ST	Not Ordered
CONTACT, MOVING MAIN	Not Ordered
CONTACT, STATIONARY MAIN	Not Ordered
CONTACTOR,MINI,FVNR 9A	Not Ordered
CONTROL,BYPASS E-CLIPSE ACH550	Not Ordered
CONVERTER,48VDC TO 24VDC	Not Ordered
COUPLING,ROTARY SWITCH	Not Ordered
COVER,BREAKER TERMINAL END	Not Ordered
DEVICE, AUTO SYNCHRONIZING	Not Ordered



Critical Spares Stock Status
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Critical Spare Component	Stock Status
DEVICE, AUTO SYNCHRONIZING	Not Ordered
DRAIN TRAP	Not Ordered
ETHERNET, STANDARD NETWORK	Not Ordered
GATEWAY,SUBSTATION	Not Ordered
GUIDE ROLLER ASSEMBLY	On Order
GUIDE VANE, ASSEMBLY, TURBINE	In Stock
HOLDER,BRUSH,METRIC,POS 21	Not Ordered
INTERLOCK, MECHANICAL	Not Ordered
INTERLOCK,KEY	Not Ordered
INVERTER,INEX,48V,1.5KVA/1200W	Not Ordered
KIT REPAIR, SERVOMOTOR	Not Ordered
KIT, KEY INTERLOCK EATON	Not Ordered
KIT,BASIC DIGITAL INPUT STB	Not Ordered
KIT,STAND. ANALOG INPUT STB	Not Ordered
KIT,STAND. DISTRIBUTION STB	Not Ordered
KIT,WINDING INSULAT. MATERIAL	Not Ordered
LOAD CELL,25000LB	Not Ordered
LOAD CELL,6806KG W/CONNECTOR	Not Ordered
MODULE I/O,32PT DC SINK/SOURCE	Not Ordered
MODULE, ETHERNET COMMUN	Not Ordered
MODULE,DIN RAIL DIODE,48VDC	Not Ordered
MODULE,OUTPUT EXPANSION,ROM	Not Ordered
MOTOR 60HP,1750RPM,NEMA 365T	Not Ordered
MOTOR,DRE100L4 M1A-TB180-CEX	Not Ordered
MOTOR,DRE100L4 M1B-TBO-CEK	Not Ordered
MULTIPLEXER,DEMULTIPLEXER 44CH	Not Ordered
POWER SUPPLY,15VDC,SINGLE	Not Ordered
POWER SUPPLY,24V DC INPUT	Not Ordered
POWER SUPPLY,24V-5A,REGULATED	Not Ordered
POWER SUPPLY,CP-C-24/10.0	Not Ordered
REACTOR,LINE 100A 0.3MH	Not Ordered
REACTOR,LINE 100A 0.45MH	Not Ordered
REACTOR,LINE 18A 1.5MH	Not Ordered
REACTOR,LINE 18A 2.5MH	Not Ordered
REACTOR,LINE 80A 0.4MH	Not Ordered
REACTOR,LINE 80A 0.7MH	Not Ordered
REACTOR,LINE 8A 5MH	Not Ordered
REACTOR,LINE 8A 7.5MH	Not Ordered
RECORDER DIGITAL FAULT	Not Ordered
REDUCER,KH167 RATIO 109.83	Not Ordered
REDUCER,RATIO: 312	Not Ordered



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Critical Spare Component	Stock Status
REDUCER,RATIO: 784.75	Not Ordered
REDUCER,SHAFT POS: 123	Not Ordered
REDUCER,SHAFT POS: 124	Not Ordered
RELAY, 10A	Not Ordered
RELAY,24VDC,12A	Not Ordered
RELAY,24VDC,ECM	Not Ordered
RELAY,ELECTROMECHANICAL,24VDC	Not Ordered
RELAY,REMOVABLE,24VDC,3 FORM C	Not Ordered
RELAY,TIMED,24VDC	Not Ordered
RESISTOR,BRAKING 111KW 7OHMS	Not Ordered
RESISTOR,BRAKING 2.8KW 19OHMS	Not Ordered
RESISTOR,BRAKING 55KW 19OHMS	Not Ordered
RESISTOR,BRAKING 800W 15.4OHMS	Not Ordered
RESISTOR,BRAKING 9.4KW 9.2OHMS	Not Ordered
RING,THRUST ROTATING,	In Stock
SEAL,AXIAL SHAFT 560ID 15H 25W	Not Ordered
SEAL,RADIAL SHAFT 160X190X15	Not Ordered
SEAL,RADIAL SHAFT 290X330X18	Not Ordered
SEAL,RADIAL SHAFT 300X340X18	Not Ordered
SEAL,RADIAL SHAFT 480X520X20	Not Ordered
SENSOR, PRESSURE SWITCH	Not Ordered
SENSOR, ULTRASONICS FLOW RATE	Not Ordered
SENSOR,2V BATTERY,Z BRACKET	Not Ordered
SEPARATOR, FUEL WATER	Not Ordered
SHOES,COLLECTOR	Not Ordered
SNUBBER	Not Ordered
STRAINER, Y 1" Y600 SERIES	Not Ordered
STRAINER, Y 3/4" Y600 SERIES	Not Ordered
SWITCH, ETHERNET	Not Ordered
SWITCH, FLOW M3S7HB15	Not Ordered
SWITCH, LEVEL FLOAT	Not Ordered
SWITCH, LIMIT OILTIGHT	Not Ordered
SWITCH, OVERTRAVEL LIMIT	Not Ordered
SWITCH, PRESSURE	Not Ordered
SWITCH, PRESSURE	Not Ordered
SWITCH,DIFF PRESS TYPE 400	Not Ordered
SWITCH,ETHERNET ALSTOM	Not Ordered
SWITCH,ETHERNET HIRSCHMANN	Not Ordered
SWITCH,KNIFE	Not Ordered
SWITCH,NETWORK,UNMANAGED	Not Ordered
SWITCH,PB ILLUMINATED RED	Not Ordered



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Critical Spare Component	Stock Status
SWITCH,STATIC TRANSFER,INEX	Not Ordered
SYNCHRONIZER, ABB	Not Ordered
TERMINAL,OPERATOR,TOUCH SCREEN	Not Ordered
TRANSMITTER, 4 CHANNEL LIQUILI	Not Ordered
TRANSMITTER, LEVEL	Not Ordered
TRANSMITTER, LEVEL	Not Ordered
TRANSMITTER, PRESSURE	Not Ordered
TRANSMITTER,LEVEL LGC	Not Ordered
TRANSMITTER,PRESSURE 1XTX	Not Ordered
TRANSMITTER,PRESSURE 1XTX	Not Ordered
TRANSMITTER,PRESSURE PMP51	Not Ordered
TRANSMITTER,PRESSURE STG74L	Not Ordered
TRANSMITTER,TEMP STT830	Not Ordered
TRIP UNIT,RMS 310 3P 250A	Not Ordered
VALVE, CHECK 1" SERIES CH	Not Ordered
VALVE, SOLENOID	Not Ordered
VALVE,SOLENOID,3/4",24VDC N.C.	Not Ordered
VOLTAGE DETECTOR	Not Ordered
V-RING SEAL CLAMP-GUIDE	Not Ordered
V-RING SEAL- GUIDE BEARING PAD	Not Ordered
WHEEL ASSEMBLY	Not Ordered
WHEEL ASSEMBLY	Not Ordered
XFMR, 3KVA 600V - 480V	Not Ordered
XFMR, 600/120 100VA HAMMOND	Not Ordered
XFMR, 600/120 100VA MCI	Not Ordered
XFMR, 600/120 150VA MCI	Not Ordered
XFMR, 600/120 200VA MCI	Not Ordered
XFMR, 600/120 300VA MCI	Not Ordered
XFMR,CT 25A ACH550 VSD	Not Ordered
XFMR,CT 75A ACH550 VSD	Not Ordered
ARC CHAMBER	On Order
GUIDE BEARING, TOP SEAL	On Order
ACTUATOR,ELECTRIC SERIES 70	On Order
ADAPTER, HIRSCHMAN	On Order
ANNUNCIATOR, 4100 REMOTE	On Order
ARRESTER, SURGE MWD	On Order
ARRESTER,SURGE HV EXLIM-P	On Order
ARRESTOR,SURGE, 025W0412BL I	On Order
ASSEMBLY, BAR GRAPH PCB	On Order
ASSEMBLY, COTTER PIN	On Order
ASSEMBLY, FHP065 NON-BYPASS	On Order



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Critical Spare Component	Stock Status
ASSEMBLY, REVERSE CONTACTOR	In Stock
ASSEMBLY, S1 GUIDE HEATER	On Order
ASSEMBLY, SWITCH PANEL PCB	Not Ordered
ASSEMBLY,MAN MOTOR START EATON	Not Ordered
ASSY,AIR BRAKE MFAGS	On Order
BAND, IRON + CLIPS SS	On Order
BAR, THREADED SS M10X200	On Order
BASE, RELAY - 700-HN103	On Order
BEARING, BALL - LMF NR. 6205	On Order
BEARING, CON. ROD LMF	On Order
BEARING, HOIST SHEAVE	On Order
BEARING, ROLLER - LMF NR20 314	On Order
BEARING, ROLLER - LMF NU 311B	On Order
BEARING,RADIAL	On Order
BELT,FAN A20, WRAPPED	On Order
BLADDER,800L DOM WATER TK	In Stock
BLOCK, STEEL	On Order
BLOWER/HEATER ASSY	On Order
BOARD, VL6 MAIN	On Order
BOLT, EXPANSION SS TL6X65	On Order
BOLT, SS TL6X65 M6X20	On Order
BOTTOM FILLER	In Stock
BOTTOM PLATE	On Order
BRAKE SHOE	On Order
BREAKER, ABB S202UDC-K10	On Order
BREAKER, ABB SU201M-C1	On Order
BREAKER, ABB SU201M-C10	On Order
BREAKER, ABB SU201M-C2	On Order
BREAKER, ABB SU201M-C5	On Order
BREAKER, ABB SU201M-C8	On Order
BREAKER, CIRCUIT (MDS-608)	Not Ordered
BREAKER, CIRCUIT (MDS-612)	Not Ordered
BREAKER, CIRCUIT (MDS-616)	Not Ordered
BREAKER, CIRCUIT (MDS-632)	Not Ordered
BREATHER VENT	On Order
BRUSHES, CARBON ABB	On Order
BUSHING	Not Ordered
BUSHING, GUIDE VANE, BOTTOM	In Stock
BUSHING, GUIDE VANE, UPPER	In Stock
BUSHING, SILICONE RUBBER CX572	Not Ordered
CABLE,SENSOR CIRC PLUG 15FT	On Order



Critical Spares Stock Status
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Critical Spare Component	Stock Status
CAPACITOR,0.25 MICROFARAD-24KV	Not Ordered
CARD, EXPANSION 8X10/10BASET	On Order
CARD, MODBUS COM. MODULE	On Order
CARD,HISCHMANN 4xSFP	On Order
CARD,HISCHMANN 8xSFP	On Order
CARD,I/O,24VDC,32 DIGIT INPUTS	On Order
CARD,I/O,4 CHANNEL,ANALOG	On Order
CARD,I/O,8 CHANNEL,ANALOG	On Order
CARD,I/O,8 VOLTAGE OR CURRENT	On Order
CENTER FILLER	In Stock
CHAMBER, ARCHING ABB	On Order
CHASIS, 13 SLOT CONTROLLOGIX	On Order
CHASSIS, ALLEN BRADLEY 4 SLOTS	On Order
CHASSIS,ALLEN BRADLEY 17 SLOTS	On Order
CLAMPING BAND,SWIVEL BOLTS	On Order
COIL, AUX RELAY 120VAC 2901912	On Order
COIL, COOLING, THRUST & GUIDE	On Order
COIL,TRIP,LOCKOUT RELAY	On Order
COILS, OPEN & CLOSE ABB	On Order
COLLECTOR ASSEMBLY	On Order
COMP , WASHER	In Stock
CONDENSER, #HPM-15AZ	On Order
CONTACT, AUX DPDT 500LG-142C	On Order
CONTACT, PIN	Not Ordered
CONTACT, SOCKET	Not Ordered
CONTACTOR, 30A 3 240V	On Order
CONTACTOR, G-E 35A	On Order
CONTACTOR, SCHNEIDER ELECTRIC	Not Ordered
CONTACTORS, OPERATING	On Order
CONTROL, HYDRAULIC DRIVE	On Order
CONTROLLER, 4100 MASTER	Not Ordered
CONTROLLER, CONTROLLOGIX 1MB	Not Ordered
CONTROLLER, ELEC TEMP HUMIDITY	On Order
CONTROLLER, MICRO 850	Not Ordered
CONTROLLER, PROGRAMMABLE,8CH	On Order
CONTROLLER,AUTOMATION	On Order
CONTROLLER,L3,2MB MEMORY	On Order
CONTROLLER,PA SITE,6STRINGS	On Order
COOLER, OIL (HEAT EXCHANGER)	On Order
COUPLING,4",RIGID,GROOVED	On Order
COUPLING,6",RIGID,GROOVED	On Order



Critical Spares Stock Status
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Critical Spare Component	Stock Status
CSCR, HEX M6 X 1	On Order
CSCR, HEX HEAD	In Stock
CSCR, HEX. HD	In Stock
CSCR, HEX. HD	Not Ordered
CSCR, SOC. HD	On Order
CSCR, SOC. HD	On Order
CSCR,HEX HD	Not Ordered
CYLINDER	On Order
CYLINDER SPACER,SERVOMOTOR	On Order
CYLINDER, HYDRAULIC	On Order
CYLINDER, HYDRAULIC	On Order
DETECTOR, GROUND FAULT	Not Ordered
DETECTOR, HEAT 135F	Not Ordered
DETECTOR, REFLECTIVE BEAM	Not Ordered
DETECTOR, SF6 GAS LEAK ABB	Not Ordered
DEVICE, SF6 FILLING ABB	Not Ordered
DISC, BRAKE K 145-400X30	Not Ordered
DISPLAY, C441 OVERLOAD RELAY	On Order
DRIVE, MOTOR HECS ABB	On Order
DRIVE,VARIABLE FREQUENCY 60HP	On Order
DRIVE,VARIABLE SPEED ABB 10HP	On Order
DRIVE,VARIABLE SPEED ABB 15HP	On Order
DRIVE,VARIABLE SPEED ABB 2HP	On Order
DRIVE,VARIABLE SPEED ABB 3HP	On Order
DRIVE,VARIABLE SPEED ABB 60HP	On Order
DRIVE,VARIABLE SPEED ABB 7.5HP	On Order
ELEMENT, 1/32" PERF STRAINER	In Stock
ELEMENT, AIR CLEANER PRIMARY	Not Ordered
ELEMENT, AIR CLEANER SECONDARY	Not Ordered
ELEMENT, ELECTRIC 3.0KW 600V	Not Ordered
ELEMENT, ELECTRIC 4.0KW 600V	Not Ordered
ELEMENT, ELECTRIC 7.0KW 600V	Not Ordered
ELEMENT,SRG GUIDE HEATING	On Order
FAN, COOLING 408677-001	Not Ordered
FAN, TELECOM PANEL	On Order
FAN,COOLING,XV12325140-ZB	On Order
FAN,MFA GSU XFMR 208V 1140RPM	On Order
FLANGE,FASTENING	On Order
FLOWMETER, 1 1/2"	On Order
FLOWMETER, 2"	On Order
FUSE, #CCMR2	Not Ordered



Critical Spares Stock Status
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Critical Spare Component	Stock Status
FUSE, 6A/600V ABB 652-336-04	Not Ordered
FUSE, FAST ACTING 80 A	On Order
FUSE, TIME DELAY .5A LP-CC-1/2	On Order
FUSE, 15A/600V BUSSMANN	On Order
FUSE, 3A 250V FRN-R-3	Not Ordered
FUSES, CONTROL 15A	Not Ordered
G-11 MACHINED BLOCK	On Order
GASKET	On Order
GASKET DACRON	On Order
GASKET, 105X110X2, DIN7603-CU	On Order
GASKET, 55X61X1, DIN7603-CU	On Order
GASKET, 57/62X1, DIN7603-CU	On Order
GASKET, 94X100X1, DIN7603-CU	On Order
GASKET, A12X18, DIN7603-AL	On Order
GASKET, A18X24, DIN7603-AL	On Order
GASKET, A22X27, DIN7603-CU	On Order
GASKET, AU.050	On Order
GASKET, DICHRING 21X27X1,5	On Order
GASKET, DIM.1 TYPE A, OILIT	On Order
GASKET, K17.004-3	On Order
GASKET, K8.007-3	On Order
GASKET, KD.027 (DIA 150)	On Order
GASKET, KD.027 (DIA 185)	On Order
GASKET, KM.027	On Order
GASKET, ND1.046	On Order
GASKET, ND2.011	On Order
GASKET, VG01.007	On Order
GASKET, VG01.391 (DIA 150)	On Order
GASKET, VG01.391 (DIA 185)	On Order
GASKET, VG01.393	On Order
GASKET, 60X3 - GUMMI/RUBBER	On Order
GASKET, A27X32 - DIN7603-CU	On Order
GASKET, ADHESIVE ATAG 50X5	Not Ordered
GASKET, ENCLOSURE COVER SEAL	On Order
GASKET, FLANGE 2 1/2" X 1/16"	Not Ordered
GASKET, FLANGE 4" X 1/16"	Not Ordered
GASKET, K10.020	On Order
GASKET, NEOPRENE SPONGE 30X5	Not Ordered
GASKET, NEOPRENE SPONGE 50X5	Not Ordered
GASKET, SILICONE RUBBER 10X12	Not Ordered
GASKET, SILICONE RUBBER 1100X6	Not Ordered



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Critical Spare Component	Stock Status
GASKET, SILICONE RUBBER CX423	Not Ordered
GASKET, SILICONE RUBBER CX539	Not Ordered
GASKET, SILICONE RUBBER CX540	Not Ordered
GASKET, SY1060564	In Stock
GASKET,SILICONE RUBBER CX 423A	Not Ordered
GATEWAY, SUBSTATION	Not Ordered
GAUGE, DIFF PRES ASHCROFT	On Order
GEAR, STRAIGHT TOOTH BEVEL ABB	On Order
GLASS,SIGHT,FILLING	Not Ordered
GLASS,SIGHT,RUNNING	Not Ordered
HEATER, COMPART. MAGNUM DS	Not Ordered
HEATER, CRANKCASE	Not Ordered
HEATER, SPACE - HEATREX	Not Ordered
HMI, ADVANTECH TPC-1840WP	Not Ordered
HMI, MULTI TOUCH PANEL COMP.	On Order
HORN STROBE, WEATHER PROOF	Not Ordered
HOSE, 24" FLEXIBLE	Not Ordered
HOSE, 4SP DN8 X 420 + 2 X DKOS	Not Ordered
HOSE, 4SP DN8 X 550 + 2 X DKOS	Not Ordered
HOSE, 4SP DN8 X 830 + 2 X DKOS	Not Ordered
HOUSING, PROBE (NYLON)	On Order
INDICATOR, DENSITY ABB	Not Ordered
INDICATOR, DIFF PRESS ASHCROFT	Not Ordered
INDICATOR, DIFF PRESS D464B	Not Ordered
INDICATOR,FLOW,6",FLANGED	On Order
INFLATABLE SEAL ASSEMBLY	On Order
INSULATOR, PORCELAIN MR1	Not Ordered
ISOLATOR, VIBRATION	Not Ordered
JOINT STICK (HORZ.)	On Order
JOINT STICK (VERT.)	On Order
JOINT,FLEXIBLE - CX 541A	Not Ordered
J-SEAL,100X45X15 3400	On Order
KEYS,POLE, ROTOR,GENERATOR	On Order
KIT, FAN (205 CFM, 6" ROUND)	Not Ordered
KIT, GASKET MAKER	In Stock
KIT, LOW COOLANT LEVEL SENSOR	Not Ordered
KIT,CONTROL MODULE 3 WIRE	On Order
KITS, PM A041D139	On Order
KITS, PM A041D143	On Order
K-PAD, VL6	On Order
LAMP, UV REPLACEMENT	In Stock



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Critical Spare Component	Stock Status
LEVER,GATE TURBINE	On Order
LIFTING EYE BOLT	In Stock
LINK, GUIDE VANE, TURBINE	On Order
LINK, W/THREADED HOLE	On Order
LONG C CHANNEL	In Stock
MESH, BASKET 20	In Stock
METER RELAY,ANALOG CROMPTON	On Order
METER, ELECTRONIC HOUR	Not Ordered
MODULE REDUNDANT QUINT-ORING	On Order
MODULE, 1G MMF SFP	On Order
MODULE, 4100 232	On Order
MODULE, ANALOG INPUT 4 POINT	Not Ordered
MODULE, ANALOG INPUT 4-CH	On Order
MODULE, ANALOG OUTPUT 4 POINT	Not Ordered
MODULE, DIGITAL INPUT 16 POINT	Not Ordered
MODULE, DIGITAL OUTPUT	On Order
MODULE, DIGITAL OUTPUT	On Order
MODULE, DISCRETE I/O EXTENSION	On Order
MODULE, MICRO800 4CH INPUT	On Order
MODULE, RELAY OUTPUT 8 POINT	Not Ordered
MODULE, STRATIX CONNECTIVITY	On Order
MODULE,AUX CONTACT DILM820	On Order
MODULE,CONTROLLER,48V	On Order
MODULE,SUPPRESSOR TESYS DECA	On Order
MODULE,SUPPRESSOR TESYS K	On Order
MONITOR, DENSITY ABB	Not Ordered
MONITOR, THREE PHASE ABB	Not Ordered
MONITOR,TRIP COIL E-MAX	Not Ordered
MONITOR,VALVE STATUS BRAY	On Order
MOTOR STARTER,EATON 120V 50KA	On Order
MOTOR STARTER,EATON 120V 50KA	On Order
MOTOR STARTER,EATON 120V 50KA	On Order
MOTOR STARTER,EATON 600V 50KA	On Order
MOTOR STARTER,EATON 600V 50KA	On Order
MOTOR, 0.25HP/1725RPM/115V	On Order
MOTOR, 0.33HP/1725RPM/120V	On Order
MOTOR, 0.33HP/1725RPM/120V	On Order
MOTOR, 0.5HP/1725RPM/575V	On Order
MOTOR, 0.5HP/1725RPM/575V	On Order
MOTOR, 0.5HP/1725RPM/575V	On Order
MOTOR, 0.5HP/1800RPM/575V	On Order



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Critical Spare Component	Stock Status
MOTOR, 0.75HP/1725RPM/575V	On Order
MOTOR, 0.75HP/1725RPM/575V	On Order
MOTOR, 1.5HP/1725RPM/575V	On Order
MOTOR, 15HP/1725RPM/575V	On Order
MOTOR, 1HP TECO-WEST.	Not Ordered
MOTOR, 1HP/1725RPM/575V	On Order
MOTOR, 1HP/1725RPM/575V	On Order
MOTOR, 20HP BROOK CROMPTON	On Order
MOTOR, 2HP/1800RPM/575V	On Order
MOTOR, 2HP/3450RPM/575V	On Order
MOTOR, 3HP/1725RPM/575V	On Order
MOTOR, 3HP/1725RPM/575V	On Order
MOTOR, 3HP/1800RPM/575V	On Order
MOTOR, 3-PHASE INDUCTION	On Order
MOTOR, 5HP/1725RPM/575V	On Order
MOTOR, 7.5HP/1725RPM/575V	On Order
MOTOR, 7GPM REVERSE PUMP	Not Ordered
MOTOR, ASYNCHRON 3 PHASE	On Order
MOTOR, AXIAL PISTON	On Order
MOTOR, AXIAL PISTON	On Order
MOTOR, AXIAL PISTON	On Order
MOTOR, COMPOUND DRIVE ABB	On Order
MOTOR, DISCONNECT DRIVE ABB	On Order
MOTOR, DISCONNECT GND SW ABB	On Order
MOTOR, GND SW GCB SIDE ABB	On Order
MOTOR, GOV. OIL PUMP	On Order
MOTOR, STATIC START SWITCH ABB	On Order
MOTOR, 1.5HP,3465RPM,600V,60HZ	On Order
MOTOR,100HP F1 JUNCTION BOX	On Order
MOTOR,100HP F2 JUNCTION BOX	On Order
MOTOR,75HP,1185RPM,575V,60HZ	On Order
MOTOR,ELECTRIC TEF 3PH 60HP	On Order
MOTOR,KIDNEY PUMP	On Order
MOTOR,MAIN OIL PUMP HPU	On Order
MOTOR,OFF LOAD TAP CHANGER	On Order
MOTOR,WEG W22	On Order
NUT, MHT - LMF VLVS 60-05H410	On Order
NUT, MHT - LMF VLVS 60-06H410	Not Ordered
NUT, MHT - LMF VLVS 60-07H410	Not Ordered
NUT, SS M10	Not Ordered
NUT, SS M6	Not Ordered



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Critical Spare Component	Stock Status
NUT, MSCR, HX	On Order
NUTS, M12	On Order
O-RING	On Order
O-RING CHORD, SEMI SPIRAL	In Stock
O-RING CHORD, SEMI SPIRAL	In Stock
O-RING CORD	On Order
O-RING, 2 PC	On Order
O-RING, 30mm x 2mm, 445653	Not Ordered
O-RING, 380mm x 8mm, 1447933	Not Ordered
O-RING, 50mm x 2mm, 444509	Not Ordered
O-RING, 60mm x 2mm, 444785	Not Ordered
O-RING, 70mm x 2mm, 49007084	Not Ordered
O-RING, 99mm x 3mm, 445758	Not Ordered
O-RING, LOOSE	On Order
O-RING, PRP 228-VITON	Not Ordered
O-RING, PRP 238-VITON	Not Ordered
O-RING, PRP 254-VITON (DIA 48)	Not Ordered
O-RING, PRP 254-VITON (DIA 85)	Not Ordered
O-RING, PRP 264-VITON	Not Ordered
O-RING, PRP 264-VITON	Not Ordered
O-RING, PRP 330-VITON	Not Ordered
O-RING,BUNA N SERVOMOTOR	On Order
O-RING,BUNA-N .210INX2.85IN	In Stock
O-RING,PRP 345-VITON (DIA 150)	Not Ordered
O-RING,PRP 345-VITON (DIA 185)	Not Ordered
OVERLOAD RELAY, 90 TO 150A	On Order
OVERLOAD RELAY, ZEB 150	On Order
OVERLOAD RELAY, ZEB 32-5-GF	On Order
PACKING, VEE TYPE	On Order
PANEL, CLASS REI60	Not Ordered
PANEL, TOUCH-SCREEN HMISTO501	Not Ordered
PICK-UP, MAGNETIC	On Order
PISTON	On Order
PLAIT, FLEXIBLE COPPER	Not Ordered
PLAIT, FLEXIBLE COPPER	Not Ordered
PLATE, BRAKE	In Stock
PLATE, DAMPER - DIS VLV 48CDD	Not Ordered
PLATE, DAMPER - VALVES 88R1	Not Ordered
PLATE, DAMPER - VALVES 98R1	Not Ordered
PLATE, SPRING - SUC VLV 41CD10	Not Ordered
PLATE, SPRING - VALVES 52R2	Not Ordered



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Critical Spare Component	Stock Status
PLATE, SPRING-DISCHAR VLV 88R1	Not Ordered
PLATE, SPRING-SUCTION VLV 88R1	Not Ordered
PLATE, SPRING-SUCTION VLV 98R1	Not Ordered
PLATE, VALVE - SUC VLV 41CD10	Not Ordered
PLATE, VALVE - VALVES 52R2	Not Ordered
PLATE, VALVE - VALVES 88R1	Not Ordered
PLATE, VALVE - VALVES 98R1	Not Ordered
PLATE,ORIFICE 3MM SERVOMOTOR	On Order
PLUG, PRESSURE	Not Ordered
POWER SUPPLY, 24VDC INPUT	Not Ordered
PROBE, WATER (BROWN)	Not Ordered
PROFILE, EDGE PROTECTION	Not Ordered
PROFILE, EDGE PROTECTION 3D	Not Ordered
PROTECTION, ALUM SP/THK=3MM	Not Ordered
PUMP HEAD, 7GPM REVERSE	Not Ordered
PUMP, 2GPM SUPPLY	Not Ordered
PUMP, GEAR	On Order
PUMP, GEAR	On Order
PUMP, GOV OIL KIDNEY	On Order
PUMP, JOCKEY (ASSEMBLED)	On Order
PUMP, MAIN OIL (ASSEMBLED)	Not Ordered
PUMP, SUBMERSIBLE SEWAGE	On Order
PUMP,DIGITAL DOSING	On Order
PUMP,MOTOR A/C D/C	Not Ordered
PUSHBUTTON, BLACK	On Order
PUSHBUTTON, BLACK	On Order
PUSHBUTTON, BLUE	On Order
PUSHBUTTON, GREEN	On Order
PUSHBUTTON, GREEN	On Order
PUSHBUTTON, RED	On Order
PUSH-BUTTON, RED 800TC-A6B	Not Ordered
PUSHBUTTON, RELEASE	On Order
PUSHBUTTON,BLACK HARMONY 22MM	On Order
PUSHBUTTON,BLUE 120V EATON	On Order
PUSHBUTTON,EMERGENCY 40MM RED	On Order
PUSHBUTTON,GREEN HARMONY 22MM	On Order
PUSHBUTTON,YELLOW HARMONY 22MM	On Order
PUTTY, ANTIFIRE SEALING	Not Ordered
RECTIFIER, SILICON	On Order
RELAY AUXILIARY 600VAC 10AC	On Order
RELAY, 120VAC COIL 8 PIN	On Order



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Critical Spare Component	Stock Status
RELAY, 24VDC COIL	On Order
RELAY, AUX STRUTHERS-DUNN	Not Ordered
RELAY, AUX STRUTHERS-DUNN	Not Ordered
RELAY, AUX STRUTHERS-DUNN	Not Ordered
RELAY, AUXILIARY	On Order
RELAY, AUXILIARY - 2903695	On Order
RELAY, BREAKER TRIP COIL	On Order
RELAY, ELECT.MEASURE & MONITOR	On Order
RELAY, EMERG STOP XPSAR311144	On Order
RELAY, EMERGENCY STOP	On Order
RELAY, GAS, MODEL 12	On Order
RELAY, GENERATOR ELECT PROT	On Order
RELAY, GENERATOR MECH PROT	On Order
RELAY, GENERATOR SPLIT PROT	On Order
RELAY, LINE PROT	On Order
RELAY, LINE PROT	On Order
RELAY, MODULAR SMART	On Order
RELAY, OVERVOLTAGE RXEDA 1	On Order
RELAY, TERMINAL BLOCK	On Order
RELAY, THERMAL OVERLOAD TESYS	On Order
RELAY, TIME DELAY ON 11 PIN	Not Ordered
RELAY, TIME DELAY UNDERVOLTAGE	Not Ordered
RELAY, TIMING/POWER OFF DELAY	Not Ordered
RELAY, TRANSFER TRIP PROT	On Order
RELAY, TRANSFER TRIP PROT	On Order
RELAY, TRANSFORMER PROT	On Order
RELAY, XTRE CONTROL 120VAC	On Order
RELAY,8ZONE,MODEL 4007-9801	On Order
RELAY,AUX EATON	Not Ordered
RELAY,AUX EATON	Not Ordered
RELAY,AUX, 24VDC COIL,HIGH	On Order
RELAY,AUXILIARY	On Order
RELAY,AUXILIARY,125 VDC	On Order
RELAY,AUXILIARY,125 VDC,RXMH2	On Order
RELAY,AUXILIARY,125VDC,RXMS1	On Order
RELAY,AUXILIARY,24VDC COIL	On Order
RELAY,BISTABLE,RXMVB2,2 MAKE	On Order
RELAY,BISTABLE,RXMVB4,5NO9NC	On Order
RELAY,BISTABLE,RXMVB4,9 MAKE	On Order
RELAY,BREAKER FAILURE,PROTECT	On Order
RELAY,CONTROL TESYS K 2NO-2NC	On Order



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Critical Spare Component	Stock Status
RELAY,CONTROL,100-250VDC/AC	On Order
RELAY,CONTROL,120VAC COIL,3"C"	On Order
RELAY,CONTROL,125VDC COIL	On Order
RELAY,CONTROL,125VDC COIL,2"C"	On Order
RELAY,CONTROL,125VDC COIL,3"C"	On Order
RELAY,CONTROL,24VDC COIL	On Order
RELAY,CONTROL,24VDC COIL,2"C"	On Order
RELAY,CONTROL,24VDC COIL,3"C"	On Order
RELAY,CONTROL,24VDC COIL,3"C"	On Order
RELAY,ELEC OVERLOAD 3 POLES	On Order
RELAY,FEEDER PROTECT,SEL-751A	On Order
RELAY,LATCHING EATON	Not Ordered
RELAY,LATCHING,24VDC, 8 "C"	On Order
RELAY,MONITORING 3 PHASE	On Order
RELAY,MULTI PHASE MONITOR SPDT	On Order
RELAY,OVERLOAD	On Order
RELAY,OVERLOAD 30-40A TESYS	On Order
RELAY,OVERLOAD 5.5-8A TESYS	On Order
RELAY,OVERLOAD 63-80A TESYS	On Order
RELAY,OVERVOLTAGE	On Order
RELAY,POWER,4PDT,24VDC/250VAC	On Order
RELAY,POWER,DPDT,24VDC/250VAC	On Order
RELAY,PROTECT,SPLIT-PHASE,"A"	On Order
RELAY,PROTECTION,"A"	On Order
RELAY,PROTECTION,"A"LINE	On Order
RELAY,SAFETY XPS AC 120VAC	On Order
RELAY,SWITCHYARD LINE,"A"	On Order
RELAY,TIME DELAY AGASTAT	Not Ordered
RELAY,TIMER DELAY-ON .05-300S	On Order
RELAY,TIMER,24-240VAC/DC COIL	On Order
RELAY,TIMER,24VDC COIL	On Order
RELAY,TIMING 0.5SEC-999HRS	On Order
RELAY,TRANSFORMER,PROTECT,"A"	On Order
RELAY,VOLTAGE BENDER	On Order
RELAY,VOLTAGE MONITOR 3 PHASE	On Order
RELAY.SYNCHROCHECK ABB	On Order
RESET BAR, OVERLOAD RELAY	On Order
RING, SEAL T20 280/260.... 14.6	Not Ordered
RING, VALVE - DIS VLV 48CDD	Not Ordered
RING-SEAL WASHER	On Order
RTD, SRG BODY/BLOWER ASSEMBLY	Not Ordered



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Critical Spare Component	Stock Status
RTD,COLLECTOR HOUSING	On Order
RTD,OIL TEMP,W/CONNECTION HEAD	On Order
RTD,SAC AIR OUTLET	On Order
RTD,STATOR WINDING,100 OHM	On Order
SCREW, HEX CAP M12	On Order
SCREW, LOCKING 145-400X30	Not Ordered
SCREW, TAPPING SS 4,2X16	Not Ordered
SEAL KIT, FHP065	On Order
SEAL RING, R09 SONDER	On Order
SEAL RING,TURBINE SHAFT SEAL	On Order
SEAL, BLACK SILICONE	Not Ordered
SEAL, CABLE	Not Ordered
SEAL, OIL BASL 39-52-10	Not Ordered
SEAL, OIL BA 52-80-10, VITON	Not Ordered
SEAL, OIL BA 70-100-10, VITON	Not Ordered
SEAL, POLYPAK "U" CUP	On Order
SEAL,SHAFT WATER	Not Ordered
SEALING RING CCW	On Order
SEALING RING CW	On Order
SELECTOR, 3 POS 800T-J2KC1ANAX	Not Ordered
SELECTOR, 3 POS 800T-J2KC1B	Not Ordered
SELECTOR, 3 POS. 800H-JR2KC1B	Not Ordered
SENSOR, 0-90 OHM LEVEL	On Order
SENSOR, AIRFLOW HC-201	On Order
SENSOR, AIRFLOW THERMOLEC	Not Ordered
SENSOR, CURRENT (RANGE 0 -10A)	Not Ordered
SENSOR, RTD TIR 409	Not Ordered
SENSOR, TANK TEMPERATURE	On Order
SENSOR,TEMP MAGNETIC MOUNT	On Order
SHAFT SEAL KIT, TURBINE	On Order
SHAFT SEAL SLEEVE, TURBINE	On Order
SHEAR LEVER, GUIDE VANE	On Order
SHEET, ALUMINUM SP/THK=3MM	Not Ordered
SHEET, ALUMINUM SP/THK=3MM	Not Ordered
SHEET, ALUMINUM SP/THK=3MM	Not Ordered
SHEET, ALUMINUM SP/THK=3MM	Not Ordered
SHIM, (0.01)"	On Order
SHIM, (0.02)"	On Order
SHOE BLOCK	On Order
SHOE RETAINER	On Order
SHOE, SIDE GUIDE 140X49.150460	Not Ordered



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Critical Spare Component	Stock Status
SHOE, SIDE GUIDE 60X16... 140	Not Ordered
SHOE, SIDE GUIDE 60X16... 280	Not Ordered
SHORT C CHANNEL	In Stock
SOCKET, TERMINAL	Not Ordered
SPRING	On Order
SPRING	On Order
SPRING WASHER	On Order
SPRING, COIL ST14110	Not Ordered
SPRING, DAMPER - DIS VLV 48CDD	Not Ordered
SPRING, LEAF 60X18..... 830	Not Ordered
SPRING, LEAF 60X22..... 827	Not Ordered
SPRING, LEAF 60X22..... 832	Not Ordered
SPRING, STEEL	Not Ordered
SPRING, COMPRESSION SHAFT SEAL	On Order
STARTER, MOTOR	On Order
STRIP, STEEL NAX 30	Not Ordered
STRIP, STEEL NAX 30	Not Ordered
STROBE	Not Ordered
STUD	On Order
STUD	On Order
SWITCH, 2 POS. 800FP-KM22PX01	Not Ordered
SWITCH, 2 POSITION KEYED	Not Ordered
SWITCH, 3 POS. 800FP-KM34PX11	Not Ordered
SWITCH, 3 POS. 800HC-JR2KD7B	Not Ordered
SWITCH, AIR PRESSURE (LF32-11)	Not Ordered
SWITCH, DISCONNECT ABB	Not Ordered
SWITCH, ETHERNET	On Order
SWITCH, ULTRASONIC LEVEL	Not Ordered
SWITCH, PUSHBUTTON BLACK	On Order
SWITCH, PUSHBUTTON ESTOP	On Order
SWITCH, PUSHBUTTON ES ABB	On Order
SWITCH, PUSHBUTTON GREEN	On Order
SWITCH, PUSHBUTTON RED	On Order
SWITCH, VALVE SUPERVISORY	On Order
THERMOMETER, OIL GSU XFMR	On Order
THERMOMETER, OIL SIDEMOUNT	On Order
THERMOMETER, OIL XV12325140-7	On Order
THERMOMETER, WINDING	On Order
THERMOMETER, WINDING GSU XFMR	On Order
TIMER, MULTI-FUNC DRAIN COOLER	Not Ordered
TOP FILLER	In Stock



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Critical Spare Component	Stock Status
TOP FILLER	In Stock
TOP FILLER	In Stock
TOP FILLER	In Stock
TOP PLATE	On Order
TOP RIPPLE SPRINGS	In Stock
TRANSDUCER,AC CURRENT SENSOR	On Order
TRANSFORMER, CURRENT 10KV	On Order
TRANSFORMER, CURRENT 12000:5	On Order
TRANSFORMER, CURRENT 12000:5	On Order
TRANSFORMER, CURRENT 15KV	On Order
TRANSFORMER, VOLTAGE 15000:120	On Order
TRANSFORMER, VOLTAGE 15000:120	On Order
TRANSFORMER, VOLTAGE 15000:120	On Order
TRANSFORMER,150VA,CLASS B	On Order
TRANSFORMER,200VA,CLASS B	On Order
TRANSFORMER,300VA,CLASS B	On Order
TRANSFORMER,CONTROL 150VA	On Order
TRANSFORMER,CURRENT 600:5	On Order
TRANSFORMER,POTENTIAL 600:120V	On Order
TRANSMITTER, ISOLATED TEMP-T/C	Not Ordered
TRANSMITTER, ROTARY / ENCODER	Not Ordered
TRANSMITTER, TEMPERATURE	Not Ordered
TUBE, 12 X 2..... 6000	Not Ordered
TUBE, RED SILCONE - WURTH	Not Ordered
UNIT, CONDENSATE DRAIN	On Order
VALVE, AIR RELEASE	On Order
VALVE, AIR RELEASE	On Order
VALVE, AIR RELEASE	On Order
VALVE, DISCHARGE LMF (DIA 150)	Not Ordered
VALVE, DISCHARGE LMF (DIA 185)	Not Ordered
VALVE, DISCHARGE LMF (DIA 48)	Not Ordered
VALVE, DISCHARGE LMF (DIA 85)	Not Ordered
VALVE, PILOT 110-125VDC ABB	Not Ordered
VALVE, PROP. DIRECTIONAL	On Order
VALVE, PROP. DIRECTIONAL	On Order
VALVE, PROP. DIRECTIONAL	On Order
VALVE, PROP. DIRECTIONAL	On Order
VALVE, PROP. DIRECTIONAL	On Order
VALVE, PROPORTIONAL-GV CONTROL	Not Ordered
VALVE, SOLENOID 7/16 IN	On Order
VALVE, SUCTION LMF (DIA 150)	Not Ordered



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VALVE, SUCTION LMF (DIA 185)	Not Ordered
VALVE, SUCTION LMF (DIA 48)	Not Ordered
VALVE, SUCTION LMF (DIA 85)	Not Ordered
VALVE, WATER REG #V46BE-2C	Not Ordered
VALVE,1",AUTOMATIC,VENT	On Order
VALVE,4",BALANCING,GRVD END	On Order
VALVE,4",BUTTERFLY	On Order
VALVE,6",BUTTERFLY	On Order
VALVE,BALL 0.5 INCH V-CONTROL	On Order
VALVE,BALL 0.75 INCH V-CONTROL	On Order
VALVE,BALL 1 INCH V-CONTROL	On Order
VALVE,BALL 1.25 INCH V-CONTROL	On Order
VALVE,BALL 1.5 INCH V-CONTROL	On Order
VALVE,BALL 2 INCH V-CONTROL	On Order
VALVE,BUTTERFLY 10 INCH	On Order
VALVE,BUTTERFLY 10 INCH	On Order
VALVE,BUTTERFLY 12 INCH	On Order
VALVE,BUTTERFLY 14 INCH	On Order
VALVE,BUTTERFLY 16 INCH	On Order
VALVE,BUTTERFLY 20 INCH	On Order
VALVE,BUTTERFLY 8 INCH	On Order
VALVE,CHECK 10 INCH 105MDT	On Order
VALVE,CHECK 12 INCH 105MDT	On Order
VALVE,CHECK 14 INCH BRAY	On Order
VALVE,CHECK 20 INCH BRAY	On Order
VALVE,DIRECTIONAL	On Order
VALVE,DIRECTIONAL CONTROL	On Order
VALVE,FIRE PUMP CASING RELIEF	On Order
VALVE,FLOW CONTROL,6"	On Order
VALVE,FLOW CONTROL,SS,25GPM	On Order
VALVE,MOTOR ISOLATION	On Order
VALVE,PRESS REDUCING 1.5INCH	On Order
VALVE,PRESS REDUCING 2 INCH	On Order
VALVE,PRESS RELIEF 3L SERIES	On Order
VALVE,PRESS RELIEF LF530C	On Order
VALVE,PRESSURE RELIEF	On Order
VALVE,PRESSURE RELIEF,2800PSI	On Order
VALVE,SFTY RLF F85-4 0.5X1	On Order
VALVE,SFTY RLF F85-F 1.5X2	On Order
VALVE,THERMOSTATIC ETV200	On Order
WARNING PLATE	On Order



Critical Spares Stock Status
Muskrat Falls Generation
07-Nov-24

Critical Spare Component	Stock Status
WARNING PLATE	On Order
WASHER	Not Ordered
WASHER, GROWER SS M6	On Order
WASHER, M12	On Order
WASHER, PLAIN SS M10	Not Ordered
WASHER, PLAIN SS M6	Not Ordered
WASHER, SEAL 2-1/2 BUNA N	On Order
WASHERS, 25D1065KJP012	In Stock
WASHERS, 25D1065KJP013	In Stock
WEDGE	On Order
WING-NUT	On Order