

1 Q. Further to PUB-NLH-450, please provide copies of the reports completed identifying  
2 the gaps between critical spares currently in inventory and those that must be  
3 acquired for each of the following: the Holyrood generating station, the gas  
4 turbines and hydro generation facilities.

5

6

7 A. Please see attached critical spares summary tables PUB-NLH-452 Attachment 1 for  
8 Holyrood Generating Station, PUB-NLH-452 Attachment 2 for the gas turbines and  
9 PUB-NLH-452 Attachment 3 for the hydro generation facilities. Each summary table  
10 indicates the gaps between critical spares currently in inventory and those that  
11 Hydro is continuing to evaluate for potential acquisition for the most critical assets.  
12 In addition, PUB-NLH-452 Attachments 1, 2 and 3 indicate which of the spares are  
13 greater than \$50,000 and the expected lead-time for delivery of critical spares  
14 where already determined.

**PUB-NLH-452, Attachment 1**  
**Page 1 of 14, Isl Int System Power Outages**

Asset			Asset Criticality								Define Spares Parts	Price Spare Parts			Spare Part Criticality					
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Fire Protection System	Electrical Driven Pump	Pump	10	4	1	5	4	1	5	4000	Pump	In Stock			10	1	10	10	10	41
Fire Protection System	Electrical Driven Pump	Control Panel	10	4	1	5	4	1	5	4000	Fire Pump Controller	Not in Stock	\$13,180.00	6 wks	10	1	10	5	10	36
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping	Valves	Day Tank Trip Valve	2	8	1	5	3	6	3	4320	8" Butterfly Valve and Actuator	Not in Stock	\$2,600.00	6-7 wks	10	10	10	5	5	40
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping		Day Tank Trip Valve	2	8	1	5	3	6	3	4320	Actuator	In Stock			10	10	10	1	5	36
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping		Fuel Line Block Valve	2	8	1	5	3	6	3	4320	16" Gate Valve	Not in Stock	\$4,400.00	1 wk	10	10	5	1	5	31
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping		Day Tank Fill Line Control valve	2	8	1	5	3	6	3	4320	6" Control Valve	Not in Stock	\$6,421.98	To be Determined	10	10	10	1	10	41
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping		Dock Quick Closing Valves	2	8	1	5	3	6	3	4320	18 " Butterfly Valve	Not in Stock	\$8,000.00	9-11 wks	10	10	10	1	5	36
Fuel Oil Delivery System Aux. Steam & Fuel Oil Piping			2	8	1	5	3	6	3	4320	Actuator	In Stock			10	10	10	1	5	36
Hydrogen Generation and Storage	Valves	Motorized Valves	6	8	1	5	6	1	3	4320	1/2 " Valve	Not in Stock	\$1,960.20	3-4 wks	10	10	10	1	10	41
Hydrogen Generation and Storage	Tubing		4	8	1	5	6	1	3	2880	Tubing - See Parts List # COM - 1	Not in Stock	\$1,383.00	2wks	10	10	10	1	1	32
Powerhouse and Switchyard Single Line	129V DC System	Charger	2	8	1	5	1	4	5	1600	Repair Parts	In Stock			10	1	10	1	10	32
Powerhouse and Switchyard Single Line	129V DC System	Future 2015 129 VDC Panel - Unit 1, 2, 3, Common	6	8	8	5	6	2	5	115200	Breakers	Not in Stock	To be Determined	To be Determined	10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Cation Valve - KV2205C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Cation Valve - KV2206C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Anion Valve - KV3205C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Anion Valve - KV3206C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Cation Valve - KV2203C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Cation Valve - KV2207C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Cation Valve - KV2202C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Cation Valve - KV2208C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Anion Valve - KV3203C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Anion Valve - KV3207C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Anion Valve - KV3202C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Anion Valve - KV3208C	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4003B	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4004A	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4005B	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4006B	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4007B	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4008B	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4009B	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4010A	In Stock			10	10	5	1	10	36
Raw and Makeup Water System & Water Treatment Plant	Deminerlization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - KV4011A	In Stock			10	10	5	1	10	36

**PUB-NLH-452, Attachment 1**  
**Page 2 of 14, Isl Int System Power Outages**

Asset			Asset Criticality								Define Spares Parts	Price Spare Parts			Spare Part Criticality					
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Raw and Makeup Water System & Water Treatment Plant	Demineralization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Mixed Bed Valve - PCV4071	Not in Stock	\$3,710.00	6-8 Wks	10	10	10	1	10	41
Raw and Makeup Water System & Water Treatment Plant	Demineralization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Silica Analyzer	Not in Stock	\$17,800.00	To be Determined	10	1	10	1	10	32
Raw and Makeup Water System & Water Treatment Plant	Demineralization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Sample Heater	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Raw and Makeup Water System & Water Treatment Plant	Demineralization System	Instrumentation/Controls	2	8	1	5	4	6	4	7680	Sodium Monitor	In Stock			10	1	10	1	10	32
Raw and Makeup Water System & Water Treatment Plant	Clarifier	Agitator	4	8	1	5	2	2	3	1920	Frequency Drive	Not in Stock	\$1,149.00	1-10 days	10	10	10	1	10	41
Raw and Makeup Water System & Water Treatment Plant	Clarifier	Agitator	4	8	1	5	2	2	3	1920	Recirculator - Double Induction Speed Reducer - In Stock	In Stock			10	1	10	1	10	32

**PUB-NLH-452, Attachment 1**  
**Page 3 of 14, Isl Int System Power Outages**

Asset			Asset Criticality								Define Spares Parts	Price Spare Parts			Spare Part Criticality						
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking	
Circulating Water and Screen Wash System	CW Discharge Valves	Butterfly Valve	4	3	8	5	2	1	5	4800	36" Butterfly Valve	Not in Stock	\$36,000.00	3-4wks	10	1	10	1	10	32	
Circulating Water and Screen Wash System	CW Discharge Valves	Butterfly Valve	4	3	8	5	2	1	5	4800	Actuator	In Stock			10	1	10	1	10	32	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	6	8	8	5	6	6	5	345600	Network Interface Modules	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	6	8	8	5	6	6	5	345600	Master Fuel Trip Relays	Not in Stock	\$710.00	3-4 W	10	10	10	5	10	45	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	6	8	8	5	6	6	5	345600	DCS Control Processor	Not in Stock	\$6,875.91	4-5 wks	10	10	10	5	10	45	
Combustion Air & Gas Instruments	Burner Management	Elevation Oil Flow Transmitter	1	8	8	5	6	4	5	38400	Meter & Sensor	Not in Stock	To be Determined	To be Determined	10	10	5	5	5	35	
Combustion Air & Gas Instruments	Burner Management	Elevation Oil Flow Transmitter	1	8	8	5	6	4	5	38400	Transmitter	Not in Stock	To be Determined	To be Determined	10	10	5	5	5	35	
Combustion Air & Gas Instruments	Burner Management	Flame Scanners	4	8	8	5	1	4	5	25600	24Vdc Scanner Power Supply	Not in Stock	To be Determined	To be Determined	10	10	5	5	10	40	
Combustion Air & Gas Instruments	Burner Management	Positioner	2	3	3	5	2	4	5	3600	2.5" x 5 "Pneumatic PowerPositioner In Stock	In Stock		>3wks	10	1	10	5	10	36	
Combustion Air & Gas Instruments	Burner Management	Air Flow Transmitters	1	3	3	5	3	4	5	2700	Transmitter	In Stock			10	10	10	5	10	45	
Combustion Air & Gas Instruments	Burner Management	Oil Flow Transmitter	1	3	3	5	3	4	5	2700	Transmitter - Unit 1	Not in Stock	To be Determined	To be Determined	10	10	5	5	10	40	
Combustion Air & Gas Instruments	Burner Management	Oil Flow Transmitter	1	3	3	5	3	4	5	2700	Sensor - Unit 2	Not in Stock	To be Determined	To be Determined	10	10	5	5	10	40	
Combustion Air & Gas Instruments	Burner Management	Oil Flow Transmitter	1	3	3	5	3	4	5	2700	Transmitter - Unit 2	Not in Stock	To be Determined	To be Determined	10	10	5	5	10	40	
Condenser Air Extraction System	Vacuum Breakers	Motor	2	8	8	5	3	1	5	9600	6" Flanged	In Stock			10	1	10	5	5	31	
Condenser Air Extraction System	Mechanical Vacuum Pumps	Motor	2	8	3	5	1	1	5	1200	Motor	Not in Stock	\$8,038.82	20 - 22 wks	10	1	10	5	5	31	
Generator	Rotor	Rotor	4	8	8	5	6	2	5	76800	Rotor	Stock Review Pending	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Rotor	Rotor Poles	4	8	8	5	6	2	5	76800	Rotor Poles	Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Stator		4	8	8	5	6	2	5	76800	Stator and Brush Rigging Assembly	Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Stator	Stator Poles	4	8	8	5	6	2	5	76800	Stator Poles	Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Seal Oil System	Seals	2	8	3	5	6	2	5	14400	See Parts List #U1&2 - 1 from Service Contractor	3 of 14 Parts are Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32	
Generator	Exciter	Bridges	2	8	8	5	1	2	5	6400	See OEM Parts List #U1&2 - 2	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32	
Generator	Exciter	Channels	2	8	8	5	1	2	5	6400	See OEM Parts List	In Stock			10	1	10	1	10	32	
Generator	Stator	Stand Off Insulators	4	8	1	5	6	1	5	4800	Stand Off Insulator	Stock Review Pending	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Stator	PT Cubicle	2	8	1	5	6	1	5	2400	Potential Transformer (PT)	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32	
Generator	Stator	PT Cubicle	2	8	1	5	6	1	5	2400	Primary Contact for Generator P.T.	In Stock			10	1	10	1	10	32	
Generator	Seal Oil System	Regulator	4	3	1	5	2	2	5	1200	1.5" Regulating Valve	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41	
Igniter Light Oil and Air Supply	Light Oil	Trip Valve	3	3	1	5	6	2	5	2700	1" Valve	In Stock			10	10	10	5	10	45	
Igniter Light Oil and Air Supply	Light Oil	Igniter Control Box	2	3	1	5	6	2	5	1800	Ignition Transformer	In Stock			10	10	5	1	5	31	
Igniter Light Oil and Air Supply	Light Oil	Igniter Control Box	2	3	1	5	6	2	5	1800	Sunspot	In Stock			10	10	5	1	5	31	
Igniter Light Oil and Air Supply	Light Oil	Igniter Control Box	2	3	1	5	6	2	5	1800	Valve Assembly / Oil Igniter	In Stock			10	10	5	1	5	31	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Level Transmitters	Not in Stock	\$3,629.00	To be Determined	To be Determined	10	10	10	5	10	45
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Aquarian Alarm Modules	Not in Stock	To be Determined	To be Determined	10	10	10	5	10	45	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Relays	Not in Stock	To be Determined	To be Determined	10	10	10	5	10	45	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Solenoid	Not in Stock	\$1,083.50	11wks	10	10	10	5	10	45	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Conductivity Probe	In Stock			10	1	10	1	10	32	

**PUB-NLH-452, Attachment 1**  
**Page 4 of 14, Isl Int System Power Outages**

Asset			Asset Criticality								Define Spares Parts	Price Spare Parts			Spare Part Criticality					
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
L.P. Feedwater System	Deaerator System	Level Control	2	4	8	5	4	1	5	6400	Level Switch	Not in Stock	To be Determined	To be Determined	10	10	5	5	10	40
L.P. Feedwater System	Deaerator System	Level Control	2	4	8	5	4	1	5	6400	Level Transmitter	Stock Review Pending	To be Determined	To be Determined	10	10	10	5	10	45
L.P. Feedwater System	Deaerator System	Level Control	2	4	8	5	4	1	5	6400	Relay	In Stock			10	10	10	5	10	45
L.P. Feedwater System	Condensate Extraction Pumps		1	8	8	5	3	1	5	4800	See OEM Parts List -# U1&2 - 3	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Ammonia System		6	2	1	5	6	4	3	4320	Bulk Chemical	In Stock			10	10	10	1	10	41
L.P. Feedwater System	Deaerator System	NRV Valves (2)	10	2	1	5	6	1	5	3000	Non-Return Valve	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Deaerator System	NRV Valves (2)	10	2	1	5	6	1	5	3000	Gaskets	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Deaerator System	NRV Valves (2)	10	2	1	5	6	1	5	3000	O-Rings	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Deaerator System	NRV Valves (2)	10	2	1	5	6	1	5	3000	Packing	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Deaerator System	NRV Valves (2)	10	2	1	5	6	1	5	3000	Seal washers	In Stock			10	1	10	1	10	32
L.P. Feedwater System	L.P. Heaters	NRV Valves	10	2	1	5	6	1	5	3000	Non-Return Valve	In Stock			10	1	10	1	10	32
L.P. Feedwater System	L.P. Heaters	NRV Valves	10	2	1	5	6	1	5	3000	Gaskets	In Stock			10	1	10	1	10	32
L.P. Feedwater System	L.P. Heaters	NRV Valves	10	2	1	5	6	1	5	3000	o-Rings	In Stock			10	1	10	1	10	32
L.P. Feedwater System	L.P. Heaters	NRV Valves	10	2	1	5	6	1	5	3000	Packing	In Stock			10	1	10	1	10	32
L.P. Feedwater System	L.P. Heaters	NRV Valves	10	2	1	5	6	1	5	3000	Seal washers	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Polisher Bypass Valve		1	4	8	5	2	1	5	1600	Valve	Not in Stock	\$3,500.00	4-6 wks	10	10	10	1	10	41
L.P. Feedwater System	Condensate Polishers (Units 1, 2)	Valves	4	1	1	3	6	4	5	1440	3" Valves	In Stock			10	10	10	1	10	41
L.P. Feedwater System	Condensate Polishers (Units 1, 2)	Valves	4	1	1	3	6	4	5	1440	2" Valves	In Stock			10	10	10	1	10	41
Main Steam & Reheat Steam; Turbine Drains	Vacuum Trip Device		4	8	8	5	6	2	5	76800	Pressure Transmitter - Unit 1	Not in Stock	To be Determined	To be Determined	10	10	10	5	10	45
Powerhouse and Switchyard Single Line	258V DC System	Panel	6	4	8	5	6	2	5	57600	Breakers	Not in Stock	To be Determined	To be Determined	10	10	10	5	10	45
Powerhouse and Switchyard Single Line	258V DC System	Unit 1 & 2 - Rectifying Transformers	6	4	8	5	6	2	5	57600	Rectifying Transformer	Not in Stock	To be Determined	To be Determined	10	1	10	5	5	31
Powerhouse and Switchyard Single Line	258V DC System	Unit 1 & 2 Field Breakers	6	4	8	5	6	2	5	57600	Field Breaker	Not in Stock	To be Determined	To be Determined	10	10	10	5	10	45
Powerhouse and Switchyard Single Line	258V DC System	Charger	4	4	3	5	6	2	5	14400	Breakers	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Powerhouse and Switchyard Single Line	258V DC System	Charger	4	4	3	5	6	2	5	14400	Charger	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32
Powerhouse and Switchyard Single Line	258V DC System	Cable	4	4	3	5	6	2	5	14400	In Stock	In Stock			10	10	5	1	5	31
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Mark 5 System - speed probes	In Stock			10	10	10	1	10	41
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Mark 5 System - cable assemblies	In Stock			10	10	10	1	10	41
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Mark 5 System - 50 gal. Intercept Control Valve Servos	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Mark 5 System - 50 gal. Main Control Valve Servos	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Mark 5 System - 6 gal. Intercept Control Valve Servos (scram)	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Mark 5 System - 6 gal. Main Stop Valve Servos	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Linear Variable Differential Transducer for Intercept Control Valve & Main Control Valve	Not in Stock	\$1,850.84	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Linear Variable Differential Transducers for 1 per Main Stop Valve	Not in Stock	\$3,379.63	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 1	Governor	Governor	4	8	8	5	6	2	5	76800	Trip Manifold Assembly (TMA) - Unit 2 OEM \Parts list #U1&2 - 4 List of OEM recommended	Not in Stock	\$5,675.00	10 wks	10	10	10	1	10	41
Turbine Generator System Stage 1	Governor	Governor									Go Switch - Limit Switches	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41

**PUB-NLH-452, Attachment 1**  
**Page 5 of 14, Isl Int System Power Outages**

Asset			Asset Criticality							Define Spares Parts	Price Spare Parts			Spare Part Criticality						
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Turbine Generator System Stage 1	Governor	Governor									Truck V-Fast Cables	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41
Turbine Generator System Stage 1	Governor	Governor									Fluid Power Products	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41
Turbine Generator System Stage 1	Turbine Lube Oil System	DC Oil Pump	6	8	3	5	6	1	5	21600	Pump	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Turbine Lube Oil System	DC Motor	6	8	3	5	6	1	5	21600	Motor	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 1	Turbine Lube Oil System	Pressure Switches	6	8	3	5	6	1	5	21600	Switch	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Hydraulic Fluid System	Fluid Pumps	4	8	8	5	1	2	5	12800	Pump	In Stock			10	10	10	5	10	45
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Oil Pumps	2	8	8	5	1	2	5	6400	Pump	In Stock			10	1	10	5	10	36
Turbine Generator System Stage 1	Turbine Lube Oil System	AC Motor	2	8	8	5	1	2	5	6400	Motor	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Turbine Lube Oil System	Pressure Switch 1	2	8	8	5	1	2	5	6400	Switch	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Turbine Lube Oil System	Pressure Switch 2	2	8	8	5	1	2	5	6400	Switch	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Steam Seal Regulator		2	4	8	5	1	2	5	3200	Main Steam Control Valve - Positioner - Unit 2	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 1	Steam Seal Regulator		2	4	8	5	1	2	5	3200	Main Steam Valve - Actuator Repair Kit - Unit 1 & 2	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 1	Steam Seal Regulator		2	4	8	5	1	2	5	3200	Main Steam Control Valve - Repair Kit - Unit 1 & 2	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 1	Steam Seal Regulator		2	4	8	5	1	2	5	3200	Dump Control Valve - Actuator - Repair Kit - Unit 1 & 2	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 1	Steam Seal Regulator		2	4	8	5	1	2	5	3200	Dump Control Valve - Body - Repair Kit - Unit 1 & 2	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32
Units 1 & 2 Air & Flue Gas	F.D. Fans	Unit 1& 2 - Fans	6	8	8	5	4	6	5	230400	See Parts List #U1&2 - 5 - from OEM	Not in Stock	\$195,650.00	4-22wks	10	1	10	10	10	41
Units 1 & 2 Air & Flue Gas	Furnace Pressure TX (Trip)		4	4	8	5	6	1	5	19200	Pressure Transmitter	In Stock			10	10	5	1	10	36
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Baskets	6	8	1	5	6	1	2	2880	See OEM Parts List #U1&2- 6	In Stock			10	10	10	1	10	41
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Rotating Element & Bearings	4	8	3	5	6	1	5	14400	See OEM Parts List #U1&2- 6	In Stock			10	10	10	1	10	41
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Drive System	2	8	3	5	1	1	5	1200	See OEM Parts List #U1&2- 6	In Stock			10	10	10	1	10	41
Units 1 & 2 Air & Flue Gas	Rotary Air Heaters	Soot Blowers	4	8	1	5	6	1	2	1920	See OEM Parts List #U1&2- 6	In Stock			10	10	10	1	10	41
Units 1 & 2 Fuel Oil System	Combustion Control Valve	Combustion Control Valve	2	8	8	5	6	2	5	38400	2" Flanged valv	Not in Stock	\$5,028.86	10 Weeks	10	10	10	1	10	41
Units 1 & 2 Fuel Oil System	Atomizing Steam Valve	Atomizing Steam Valve	2	8	8	5	6	2	5	38400	2" Flanged Valve	In Stock		10 Weeks	10	10	5	5	35	
Units 1 & 2 Fuel Oil System	Main Fuel Oil Trip Valve	Main Fuel Oil Trip Valve	3	4	8	5	6	2	5	28800	Flanged Valve	Not in Stock	\$12,071.98	10 Weeks	10	10	10	1	10	41
Units 1 & 2 Fuel Oil System	Header Pressure Control Valve	Header Pressure Control Valve	2	8	8	5	4	2	5	25600	Flanged Valve	Not in Stock	\$4,034.00	10 Weeks	10	10	10	1	10	41
Units 1 & 2 Fuel Oil System	Fuel Oil Pumps	Fuel Oil Pumps	2	8	8	5	1	6	5	19200	Pump	In Stock			10	10	10	1	10	41
Units 1 & 2 Fuel Oil System	Mechanical Seal	Mechanical Seal	2	8	8	5	1	6	5	19200	Seal	In Stock			10	1	10	1	10	32
Units 1 & 2 Fuel Oil System	Short Recirculation Valve	Short Recirculation Valve	2	8	8	5	3	2	5	19200	Welded Flange	In Stock			10	10	10	1	10	41
Units 1 & 2 Fuel Oil System	Long Recirculation Valve	Long Recirculation Valve	2	8	8	5	3	2	5	19200	Welded Valve	In Stock			10	10	10	1	10	41
Units 1 & 2 Fuel Oil System	Duplex Basket Suction Strainer	Duplex Basket Suction Strainer	2	8	8	5	1	4	5	12800	Strainer Basket	Not in Stock	\$382.14	To be Determined	10	10	10	1	1	32
Units 1 & 2 Fuel Oil System	Fuel Oil Heaters	Fuel Oil Heaters	2	8	3	5	1	4	5	4800	Gaskets	In Stock			10	10	5	1	10	36
Units 1 & 2 Fuel Oil System	Fuel Oil Heaters	Fuel Oil Heaters	2	8	3	5	1	4	5	4800	Tube Bundles	In Stock			10	1	10	1	10	32
Units 1 & 2 Fuel Oil System	Fuel Oil Heaters	Fuel Oil Heaters	2	8	3	5	1	4	5	4800	Whole Heater	Not in Stock	\$63,075.00	6-8 Wks	10	1	10	1	10	32
Units 1 & 2 Fuel Oil System	Burners	Oil Valve	4	2	1	5	3	4	5	2400	oil, Steam & Svange Valves - All Same	In Stock			10	10	5	1	10	36
Units 1 & 2 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve - Unit 1	4	8	8	5	6	1	5	38400	See Pats List #U1&2-8	In Stock			10	10	5	1	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps - Unit 1 E & W	4	8	8	5	4	1	5	25600	Pump or Parts	In Stock			10	1	10	5	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Unit 2 E & W	4	8	8	5	4	1	5	25600	Pump	In Stock			10	1	10	5	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Pump Parts	4	8	8	5	4	1	5	25600	Rotating Assembly	In Stock		14	10	1	10	1	10	32
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Pump Parts	4	8	8	5	4	1	5	25600	Volute casing for rotating assembly	In Stock		40	10	1	10	1	10	32
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Pump Parts	4	8	8	5	4	1	5	25600	Throttle bushing (2 req'd)	In Stock		4	10	10	5	1	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Pump Parts	4	8	8	5	4	1	5	25600	Sleeve bearing	In Stock		4	10	10	5	1	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Pump Parts	4	8	8	5	4	1	5	25600	Balance bushing	In Stock		3	10	10	5	1	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Pump Parts	4	8	8	5	4	1	5	25600	Thrust bearing	In Stock		6	10	10	5	1	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Pump Parts	4	8	8	5	4	1	5	25600	Gaskets	In Stock		2	10	10	5	1	10	36
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Main Feedwater Low Load Control Valve	4	8	8	5	4	1	5	25600	See Parts List #U1&2-9	In Stock		10 Weeks	10	10	10	5	5	40
Units 1 & 2 H.P. Feedwater System	Boiler Feed		4	8	8	5	4	1	5	25600	Pressure Transmitter - Unit 2	Stock Review Pending	To be Determined	To be Determined	10	10	10	1	1	32

**PUB-NLH-452, Attachment 1**  
**Page 6 of 14, Isl Int System Power Outages**

Asset			Asset Criticality								Define Spares Parts	Price Spare Parts			Spare Part Criticality					
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Unit 2 Seal Water Valve?	4	8	8	5	4	1	5	25600	Flanged Valve - TJ to chek system	Not in Stock	\$5,097.12	10 Weeks	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Unit 2	4	8	8	5	4	1	5	25600	Flanged Valve - TJ to chek system	Not in Stock	\$7,859.58	10 Weeks	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Unit 2	4	8	8	5	4	1	5	25600	Flanged Valve - TJ to chek system	Not in Stock	\$12,071.98	10 Weeks	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Unit 2	4	8	8	5	4	1	5	25600	Flanged Valve - TJ to chek system	Not in Stock	\$5,213.63	10 Weeks	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit #1 - All HP Heaters	6	3	8	5	6	1	5	21600	Level Transmitters	In Stock			10	10	10	1	1	32
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit # 2 - HP Heater # 4 & 6	6	3	8	5	6	1	5	21600	Level Transmitter	In Stock			10	10	10	1	1	32
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit #2 -HP Heater # 5	6	3	8	5	6	1	5	21600	Level Transmitter	In Stock			10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit 1 - All HP Heaters	6	3	8	5	6	1	5	21600	Aquarian Alarm Modules	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit #2 - Heater # 4 & 6	6	3	8	5	6	1	5	21600	Aquarian Alarm Modules	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit # 2 -HP Heater # 5	6	3	8	5	6	1	5	21600	Aquarian Alarm Modules	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit 1 & 2 - All HP Heaters	6	3	8	5	6	1	5	21600	Conductivity Probe	In Stock			10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit # 1 & 2 - All HP Heaters	6	3	8	5	6	1	5	21600	Relay	In Stock			10	10	5	1	5	31
Units 1 & 2 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	Unit 1 & 2	6	3	8	5	6	1	5	21600	Solenoid	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Suction Valve Limit Switch	4	4	3	5	6	1	5	7200	Oil Tight Limit Switch	Not in Stock	To be Determined	To be Determined	10	10	10	1	1	32
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Suction Valve	4	4	3	5	3	1	5	3600	10" Valve	In Stock			10	1	10	1	10	32
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	2	3	8	5	3	1	5	3600	8" Valve	In Stock			10	1	10	1	10	32
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	NRV Valves - Heater # 4	10	2	1	5	6	1	5	3000	8"- 150#	In Stock			10	1	10	1	10	32
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	NRV Valves - Heater # 5	10	2	1	5	6	1	5	3000	8"- 300#	In Stock			10	1	10	1	10	32
Units 1 & 2 H.P. Feedwater System	H.P. Heaters	NRV Valves - Heater # 6	10	2	1	5	6	1	5	3000	8"- 600#	In Stock			10	1	10	1	10	32
Units 1 & 2 H.P. Feedwater System	Steam Drum	Level Control Transmitters	2	4	8	5	1	1	5	1600	Level Transmitter	In Stock			10	10	10	1	1	32
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Suction Line Safety Valve	4	2	1	5	6	1	5	1200	1/2" x 1" Valve	In Stock			10	10	10	1	1	32
Units 1 & 2 H.P. Feedwater System	Boiler Feed	Boiler Feed Recirculation Valve to DA	4	3	1	5	4	1	5	1200	4" Valve	In Stock			10	10	10	1	10	41

**PUB-NLH-452, Attachment 1**  
**Page 7 of 14, Isl Int System Power Outages**

Asset			Asset Criticality							Define Spares Parts	Price Spare Parts			Spare Part Criticality							
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking	
Circulating Water and Screen Wash System	CW Discharge Valves		4	3	8	5	2	1	5	4800	36" Butterfly Valve	Not in Stock	\$36,817.00	4wks	10	10	10	1	5	36	
Circulating Water and Screen Wash System	CW Discharge Valves		4	3	8	5	2	1	5	4800	CW Butterfly Valve Actuator	Not in Stock	\$7,600.00	To be Determined	10	10	10	1	5	36	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	6	8	8	5	6	6	5	345600	Network Interface Modules	Not in Stock	\$1,695.00	To be Determined	10	10	10	1	10	41	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	6	8	8	5	6	6	5	345600	Master Fuel Trip Relays	Not in Stock	\$330.00	3 - 4 wks	10	10	5	1	10	36	
Combustion Air & Gas Instruments	Burner Management	Burner Automation	6	8	8	5	6	6	5	345600	DCS Control Processor	In Stock			10	10	10	1	10	41	
Combustion Air & Gas Instruments	Burner Management	Elevation Oil Flow Transmitter	1	8	8	5	6	4	5	38400	Meter & Transmitter	Not in Stock	\$16,295.00	2wks	10	10	10	1	1	32	
Combustion Air & Gas Instruments	Burner Management	Elevation Air Dampers	2	3	3	5	2	4	5	3600	Positioner	In Stock			10	1	10	1	10	32	
Condenser Air Extraction System	Vacuum Breakers		2	8	8	5	3	1	5	9600	6" Flange Vacuum Breaker	In Stock			10	10	10	1	5	36	
Generator	Rotor		4	8	8	5	6	2	5	76800	Rotor	Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Rotor	Rotor Poles	4	8	8	5	6	2	5	76800		Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Stator		4	8	8	5	6	2	5	76800	Stator and Brush Rigging Assembly	Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Stator		4	8	8	5	6	2	5	76800	Stator and Brush Rigging Assembly	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32	
Generator	Stator	Stator Poles	4	8	8	5	6	2	5	76800		Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Synchronous Condensor	Thrust Bearing	2	8	8	5	6	1	5	19200	See Parts List & Estimate by Supplier - #U3-1	Not in Stock	\$47,575.00	To be Determined	To be Determined	10	1	10	1	10	32
Generator	Seal Oil System	Seals	2	8	3	5	6	2	5	14400	Seals	Stock Review Pending	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Exciter	Bridges	2	8	8	5	1	2	5	6400	See OEM Parts List -# U3- 2	In Stock			10	1	10	1	10	32	
Generator	Exciter	Channels	2	8	8	5	1	2	5	6400	See Above	In Stock			10	1	10	1	10	32	
Generator	Stator	Stand Off Insulators	4	8	1	5	6	1	5	4800		Not in Stock	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Stator	PT Cubicle	2	8	1	5	6	1	5	2400	Potential Transformer (PT)	Stock Review Pending	To be Determined	To be Determined	10	1	10	5	10	36	
Generator	Stator	PT Cubicle	2	8	1	5	6	1	5	2400	Fuse	In Stock			10	1	10	5	10	36	
Igniter Light Oil and Air Supply	Light Oil	Trip Valve	3	3	1	5	6	2	5	2700	1" Ball Valve	Not in Stock	\$2,000.00	13-14 Wks	10	10	10	1	5	36	
Igniter Light Oil and Air Supply	Light Oil	Igniter Control Box	2	3	1	5	6	2	5	1800	Light Oil / Air Supply Solenoid Valve	In Stock			10	10	5	1	10	36	
Igniter Light Oil and Air Supply		Igniter Control Box	2	3	1	5	6	2	5	1800	Purge Solenoid Valve	In Stock			10	10	5	1	10	36	
Igniter Light Oil and Air Supply		Igniter Control Box	2	3	1	5	6	2	5	1800	Pneumatic Actuator	In Stock			10	10	5	1	10	36	
Igniter Light Oil and Air Supply		Igniter Control Box	2	3	1	5	6	2	5	1800	Ignition Transformer	In Stock			10	10	5	1	10	36	
Igniter Light Oil and Air Supply		Igniter Control Box	2	3	1	5	6	2	5	1800	Relay	In Stock			10	10	5	1	10	36	
Igniter Light Oil and Air Supply		Igniter Control Box	2	3	1	5	6	2	5	1800	Sunspot - Scanner	In Stock			10	10	5	1	10	36	
Igniter Light Oil and Air Supply		Igniter Control Box	2	3	1	5	6	2	5	1800	Snap Action Switch	Not in stock	\$400.00	4 to 6 wks	10	10	10	1	10	41	
Igniter Light Oil and Air Supply		Igniter Control Box	2	3	1	5	6	2	5	1800	1/4" Light Oil Air Ball Valves	Not in stock	\$315.00	2 wks	10	10	5	1	5	31	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Level Transmitter LP Heater #1	In Stock			10	10	10	1	10	41	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Aquarian Alarm Modules	In Stock			10	10	10	1	10	41	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Solenoid	Not in Stock	\$4,300.00	72 days	10	10	10	1	10	41	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Relay	Not in Stock	\$140.00	3-4 wks	10	10	10	1	10	41	
L.P. Feedwater System	L.P. Heater Controls (Water Induction Protection)		6	8	8	5	6	1	5	57600	Conductivity Probe	In Stock			10	10	5	1	10	36	
L.P. Feedwater System	Deaerator System	Deaerator	6	8	3	5	6	1	5	21600	Gauge Glasses	In Stock			10	10	10	1	10	41	
L.P. Feedwater System	Deaerator System	Level Control	2	4	8	5	4	1	5	6400	Level Switch	In Stock			10	10	10	1	10	41	
L.P. Feedwater System	Deaerator System	Level Control	2	4	8	5	4	1	5	6400	Solenoid	Not in Stock	\$4,300.00	72 days	10	10	10	1	10	41	
L.P. Feedwater System	Deaerator System	Level Control	2	4	8	5	4	1	5	6400	Level Transmitter	In Stock			10	10	10	1	1	32	
L.P. Feedwater System	Deaerator System	Level Control	2	4	8	5	4	1	5	6400	Relay	Not in Stock	\$162.61	To be Determined	10	10	10	1	10	41	
L.P. Feedwater System	Ammonia System		6	2	1	5	6	4	3	4320	Bulk Chemical Tote Tank	In Stock			10	10	10	1	10	41	



**PUB-NLH-452, Attachment 1**  
**Page 8 of 14, Isl Int System Power Outages**

Asset			Asset Criticality								Define Spares Parts	Price Spare Parts				Spare Part Criticality				
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Control Valves	2	3	8	5	3	1	5	3600	8" Valve	In Stock			10	1	10	1	10	32
L.P. Feedwater System	L.P. Heaters	NRV Valves - #2 - LP Heater	2	3	8	5	3	1	5	3600	20"Dia	In Stock			10	1	10	1	10	32
L.P. Feedwater System	L.P. Heaters	NRV Valves - #1 LP Heater	2	3	8	5	3	1	5	3600	24" Dia	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Deaerator System	NRV Valves (2)	10	2	1	5	6	1	5	3000	14" Dia on DA	In Stock			10	1	10	1	10	32
L.P. Feedwater System	Deaerator System	Safety Valves	6	3	1	5	6	1	5	2700	6" Valves	Not in Stock	\$18,000.00	To be Determined	10	1	10	1	10	32
L.P. Feedwater System	Polisher Bypass Valve		1	4	8	5	2	1	5	1600	Parts to Repair	Not in Stock	\$3,500.00	4- 6 wks	10	10	10	1	10	41
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Valves	4	1	1	3	6	4	5	1440	3" Valves	In Stock			10	10	10	1	10	41
L.P. Feedwater System	Condensate Polishers (Units 1, 2, 3)	Valves	4	1	1	3	6	4	5	1440	2" Valves	In Stock			10	10	10	1	10	41
Main Steam & Reheat Steam; Turbine Drains	Vacuum Unloading Device		6	3	1	5	6	1	3	1620	See OEM Pats List # U3-4	See OEM Parts List - 3 recommended spares	To be Determined	To be Determined	10	10	10	1	10	41
Powerhouse and Switchyard Single Line	258V DC System	Rectifying Transformer	6	4	8	5	6	2	5	57600	Rectifying Transformer	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Powerhouse and Switchyard Single Line	258V DC System	Field Breaker	6	4	8	5	6	2	5	57600	Field Breaker	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Powerhouse and Switchyard Single Line	258V DC System	Charger	4	4	3	5	6	2	5	14400	Breaker	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Powerhouse and Switchyard Single Line	258V DC System		4	4	3	5	6	2	5	14400	Charger	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Governor	Governor	4	8	8	5	6	2	5	76800	See Hitachi Parts List # U3-5 for Governor Drive Assembly	4 Items in Stock	\$765.00	6 month	10	10	10	1	10	41
Turbine Generator System Stage 2	Governor	Governor	4	8	8	5	6	2	5	76800	See Hitachi Parts List # U3-18 for Speed Governr Assembly	Not in Stock	\$68,270.00	9 mnths	10	10	10	1	10	41
Turbine Generator System Stage 2	Governor		4	8	8	5	6	2	5	76800	See Hitachi Parts List #U3-6 for Load Limit Handwheel Assembly	Not in Stock	\$2,590.00	3 months	10	10	10	1	10	41
Turbine Generator System Stage 2	Governor		4	8	8	5	6	2	5	76800	See Hitachi Parts List #U3-7 for Speed Load Charger Assembly	Not in Stock	\$4,015.00	To be Determined	10	10	10	1	10	41
Turbine Generator System Stage 2	Governor	Electrical Trip Test Device	2	8	8	5	6	2	5	38400	Solenoid Trip - See Hitachi OEM Parts list #U3-8	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Governor	Mechanical Overspeed Trip Device	4	8	1	5	6	2	5	9600	See Emergency Governor OEM Parts List #U3-17	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Turbine Lube Oil System	DC Lube (Flushing) Oil Pump Same for AC Pump	6	8	3	5	6	1	5	21600	See Hitachi Parts List #U3-11 for pump - 2 Recommended Parts	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 2	Turbine Lube Oil System	DC Lube (Flushing) Oil Pump	6	8	3	5	6	1	5	21600	Auto Start Pressure Switch	Not in Stock	\$300.00	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Turbine Lube Oil System	DC Lube (Flushing) Oil Pump	6	8	3	5	6	1	5	21600	Motor	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Turbine Lube Oil System	Shaft Driven Oil Pump	2	8	8	5	1	2	5	6400	See Hitachi Parts List #U3-9 for Pump - 6 recommended Parts	Not in Stock	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Turbine Lube Oil System	Auxiliary Oil Pump	2	8	1	5	6	2	5	4800	See Hitachi Parts List #U3-10 for Pump - 3 recommended Parts	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Upper	2	8	8	5	1	1	5	3200	See OEM list & Quote see list #U3-12	13 Items in Stock 18 Not Stock	\$174,710.00	4 Mths	10	1	10	1	10	32
Turbine Generator System Stage 2	Main Steam Chest Assembly	Control Valve - Lower	2	8	8	5	1	1	5	3200	See OEM list & Quote see list #U3-13	12 Items in Stock 18 Not Stock	\$149,690.00	4 mths	10	1	10	1	10	32
Turbine Generator System Stage 2	Main Steam Chest Assembly	Stop Valves	2	4	1	5	6	1	5	1200	See 2 OEM lists & Quotes List #U3-14	Not in Stock	\$53,100.00	5 mths	10	1	10	1	10	32
Turbine Generator System Stage 2	Reheat Steam Chest Assembly	Reheat/ICV Valves	2	8	8	5	1	2	5	6400	See 4 OEM lists & Quotes - List #U3-15	Not in Stock	\$501,340.00	9 mths	10	1	10	1	10	32
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Pressure Transmitter - Unit 3	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Main Steam Control Valve - Actuator - Unit 3	Stock Review Pending	To be Determined	To be Determined	10	1	10	1	10	32
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Main Steam Control Valve - Body - Unit 3	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Main Steam Control Valve - Positioner - Unit 3	In Stock			10	1	10	1	10	32

**PUB-NLH-452, Attachment 1**  
**Page 9 of 14, Isl Int System Power Outages**

Asset			Asset Criticality								Define Spares Parts		Price Spare Parts			Spare Part Criticality				
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Aux Steam Control Valve - Actuator Unit 3	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Aux Steam Control Valve - Body - Unit 3	In Stock		3-4 wks	10	1	10	1	10	32
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Dump Control Valve - Actuator - Repair Kit - Unit 3	In Stock			10	1	10	1	10	32
Turbine Generator System Stage 2	Steam Seal Regulator		2	8	1	5	6	2	5	4800	Dump Control Valve - Body - Repair Kit - Unit 3	In Stock			10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	Series 8500 size 95 w/ 95" @ 100% width wheel	Not in Stock	\$37,221.00	8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	Series 8500size 95 w/ 95" @ 100%width Shaft	Not in Stock	\$34,419.00	8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	Drive side bearing	Not in Stock	\$7,756.00	8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	Opposite side bearing	Not in Stock	\$6,980.00	8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	2 - Temperature probes installed in bearings	In Stock		8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	Falk Steelflex coupling	In Stock		8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	2 - Independent bearing pedestals	Not in Stock	\$5,652.00	6-8 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	2 - bearing sole plates	Not in Stock	\$4,453.00	8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	outlet damper	Not in Stock	\$19,317.00	6-8 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	variable inlet vanes	Not in Stock	\$53,245.00	8-10 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	F.D. Fans (EFD)		6	8	8	5	3	6	5	172800	Inlet Silencer	Not in Stock	\$18,620.00	6-8 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	Rotary Air Heaters	Gearbox	4	8	3	5	6	1	5	14400	Gearbox	Not in Stock	\$43,465.00	6 - 8 wks	10	1	10	1	10	32
Unit 3 Air & Flue Gas	Rotary Air Heaters	Pneumatic Drive System	4	8	3	5	6	1	5	14400	Air Drive Motor	In Stock			10	1	10	1	10	32
Unit 3 Air & Flue Gas	O2 Analyzers		2	4	1	5	1	6	5	1200	Analyzer - In stock	In Stock			10	1	10	1	10	32
Unit 3 Air & Flue Gas	O2 Analyzers		2	4	1	5	1	6	5	1200	Probe - In Stock	In Stock			10	1	10	1	10	32
Unit 3 Fuel Oil System		Main Fuel Oil Trip Valve	3	8	8	5	6	2	5	57600	4" Type ET Class 300	Not in Stock	\$8,327.72	10 Weeks	10	1	10	1	10	32
Unit 3 Fuel Oil System		Combustion Control Valves	2	8	8	5	6	2	5	38400	1 1/2" flanged valve w/ actuator	Not in Stock	\$1,792.50	6 Weeks	10	1	10	1	10	32
Unit 3 Fuel Oil System		Atomizing Steam Valve	2	8	8	5	6	2	5	38400	2" Type ED Class 300	Not in Stock	\$4,358.34	10 Weeks	10	1	10	1	10	32
Unit 3 Fuel Oil System		Level Fuel Oil Trip Valves (3)	3	4	8	5	6	2	5	28800	2-1/2" Flanged (?) Ball Valve cw/ Actuator	Not in Stock	\$5,799.18	10 Weeks	10	1	10	1	10	32
Unit 3 Fuel Oil System		Header Pressure Control Valve	2	8	8	5	4	2	5	25600	1-1/2" - Welded Flanged	Not in Stock	\$1,070.25	6 Weeks	10	1	10	1	10	32
Unit 3 Fuel Oil System		Fuel Oil Pumps	2	8	8	5	1	6	5	19200	Pump	In Stock		N/A	10	10	10	1	10	41
Unit 3 Fuel Oil System		Main Fuel Oil Recirculation Valve	2	8	8	5	3	2	5	19200	1" Welded Flange Valve w/ Actuator	Not in Stock	\$2,066.00	13-14 weeks	10	1	10	1	10	32
Unit 3 Fuel Oil System		Level Fuel Oil Recirculation Valves	2	8	8	5	3	2	5	19200	3/4" Welded Valve w/ Actuator	Not in Stock	\$1,952.00	13-14 weeks	10	1	10	1	10	32
Unit 3 Fuel Oil System	Burners	Oil Valve	4	2	1	5	3	4	5	2400	1/2" Ball Valve	Not in Stock	\$2,800.00	13-14 wks	10	1	10	1	10	32
Unit 3 Fuel Oil System	Burners	Steam Valve	4	2	1	5	3	4	5	2400	1" Valve	In Stock			10	1	10	1	10	32
Unit 3 Fuel Oil System	Burners	Scavenge Valve	4	2	1	5	3	4	5	2400	1" Valve	In Stock			10	1	10	1	10	32
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	4	8	8	5	4	1	5	25600	Rotating Assembly	In Stock		14	10	1	10	1	10	32
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	4	8	8	5	4	1	5	25600	Volute casing for rotating assembly	Not in Stock	\$350,000.00	40	10	1	10	1	10	32
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	4	8	8	5	4	1	5	25600	Throttle bushing [(2 req'd)	In Stock		4	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	4	8	8	5	4	1	5	25600	Sleeve bearing (2 req'd)	In Stock		4	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	4	8	8	5	4	1	5	25600	Balance bushing	In Stock		3	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	4	8	8	5	4	1	5	25600	Thrust bearing	In Stock		6	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Boiler Feed	Boiler Feed Pumps	4	8	8	5	4	1	5	25600	Gaskets	In Stock		2	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	6" - EHT valve 1500lb - Welded	In Stock			10	10	5	1	10	41
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 10A5411X022 - Seal Ring	In Stock		4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 13A5599X052 - O-Ring	In Stock		4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 26A52990X52 - Seat Ring Retainer	Not in Stock	\$2,903.62	4-5 Weeks	10	10	10	1	10	41

**PUB-NLH-452, Attachment 1**  
**Page 10 of 14, Isl Int System Power Outages**

Asset			Asset Criticality							Define Spares Parts	Price Spare Parts			Spare Part Criticality						
System	Sub System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 27A2798X042 - Seat Ring, O-Ring	Not in Stock	\$3,632.05	8-10 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 42B3570X012 - Cage, Eq%	In Stock		8-10 Weeks	10	10	10	1	10	41
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 36A5442X0K2 - Plug/Stem Bal	Not in Stock	\$12,965.45	8-10 Weeks	10	10	10	1	10	41
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	2 - 26A5314X012 - Gasket	In Stock		4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 1J872906332 - Upper Wiper	In Stock		4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 1J873435072 - Packing Box Ring	In Stock		4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 1R290601012 - Packing Set	In Stock		4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 1H7441X0022 - Bushing Seal	Not in Stock	\$1,123.96	4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - 2R6376X0082 - Diaphragm	Not in Stock	\$733.78	4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	Main Feed Water Control Valve	4	8	8	5	6	1	5	38400	1 - R667X000802 - Repair Kit	Not in Stock	\$92.22	4-5 Weeks	10	10	5	1	10	36
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)	All HP Heaters	6	3	8	5	6	1	5	21600	Conductivity Probe	In Stock			10	10	10	1	10	41
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)		6	3	8	5	6	1	5	21600	Aquarian Alarm Module	In Stock			10	10	10	1	10	41
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)		6	3	8	5	6	1	5	21600	Level Transmitter	In Stock			10	10	10	1	1	32
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)		6	3	8	5	6	1	5	21600	Relay	Not in Stock	\$183.75	3-4wks	10	10	5	1	5	31
Unit 3 H.P. Feedwater System	H.P. Heater Controls (Water Induction Protection)		6	3	8	5	6	1	5	21600	Solenoid	Not in Stock	To be Determined	To be Determined	10	10	10	1	10	41
Unit 3 H.P. Feedwater System	H.P. Heaters	Motorized Bypass Valves	2	3	8	5	3	1	5	3600	10" Dia	In Stock			10	10	10	1	5	36
Unit 3 H.P. Feedwater System	H.P. Heaters	NRV Valves - #6 HP Heater	10	2	1	5	6	1	5	3000	6" Dia	In Stock			10	10	10	1	5	36
Unit 3 H.P. Feedwater System	H.P. Heaters	NRV Valves - #5 HP Heater	10	2	1	5	6	1	5	3000	8" Dia	In Stock			10	10	10	1	5	36
Unit 3 H.P. Feedwater System	H.P. Heaters	NRV Valves - #4 HP Heater	10	2	1	5	6	1	5	3000	10" Dia	In Stock			10	10	10	1	5	36
Unit 3 H.P. Feedwater System	Boiler Feed	Motorized Discharge Valves	2	3	3	5	4	1	5	1800	8" Dia Valve	In Stock			10	10	10	1	5	36
Unit 3 H.P. Feedwater System	Steam Drum	Level Control Transmitters	2	4	8	5	1	1	5	1600	Transmitter	In Stock			10	10	10	1	5	36
Unit 3 H.P. Feedwater System	Feed Water Flow Controls	LL Control Valve	2	3	3	5	3	1	5	1350	Valve	In Stock			10	10	10	1	5	36
Unit 3 H.P. Feedwater System	Boiler Feed	Suction Line Safety Valve	4	2	1	5	6	1	5	1200	1/2" Dia	In Stock			10	1	10	1	10	32
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	4	3	1	5	4	1	5	1200	4" Gate Valve	Not in Stock	\$3,450.00	8 wks	10	10	10	1	10	41
Unit 3 H.P. Feedwater System	Boiler Feed	DA Recirculation Block Valve	4	3	1	5	4	1	5	1200	Actuator	In Stock			10	10	10	1	10	41

**PUB-NLH-452, Attachment 1**  
**Page 11 of 14, Isl Int System Power Outages**

Asset				Asset Criticality								Define Spares Parts	Price Spare Parts				Spare Part Criticality					
System	Asset			Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking	
Station Board SB12 (SSB1)				4	4	8	5	1	2	5	6400	Circuit Breakers	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)				4	4	8	5	1	2	5	6400	Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)				4	4	8	5	1	2	5	6400	Feeder to Station Board - breaker SSB-1 & Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)				4	4	8	5	1	2	5	6400	Feeder to Station Board - breaker SSB-2	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)				4	4	8	5	1	2	5	6400	Feeder to Station Board - breaker SSB-4	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)			10	4	8	5	1	2	5	16000	Feeder to Transformer - breaker SSB3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1) (Alternate Feed Tie Breaker to Transfer Bus C15)		4	4	8	5	1	2	5	6400	Power Centre	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1) (Alternate Feed Tie Breaker to Transfer Bus C15)		4	4	8	5	1	2	5	6400	Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1) (Alternate Feed Tie Breaker to Transfer Bus C15)		4	4	8	5	1	2	5	6400	Feeder to Power Centre - breaker C1	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1) (Alternate Feed Tie Breaker to Transfer Bus C15)		4	4	8	5	1	2	5	6400	Feeder to Power Centre - breaker C14	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1) (Alternate Feed Tie Breaker to Transfer Bus C15)		4	4	8	5	1	2	5	6400	Feeder to Power Centre - breaker C15	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Diesel Bus DB12 (Alternate Feeds Diesel Generator D1, Diesel Bus Tie, Tie Breaker to Transfer Bus C15)	4	4	8	5	1	2	5	6400	Diesel Bus - within Power Centre "C" Enclosure	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Diesel Bus DB12 (Alternate Feeds Diesel Generator D1, Diesel Bus Tie, Tie Breaker to Transfer Bus C15)	4	4	8	5	1	2	5	6400	Circuit Breaker to Bus - breaker C19	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Diesel Bus DB12 (Alternate Feeds Diesel Generator D1, Diesel Bus Tie, Tie Breaker to Transfer Bus C15)	4	4	8	5	1	2	5	6400	Circuit Breaker to Bus - breaker C16	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Diesel Bus DB12 (Alternate Feeds Diesel Generator D1, Diesel Bus Tie, Tie Breaker to Transfer Bus C15)	4	4	8	5	1	2	5	6400	Circuit Breaker to Bus - breaker C17	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31	
Unit Board UB3 (UT3)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Diesel Bus DB12	Essential Services MCC E1 (C18)	4	4	8	5	6	2	5	38400	Motor Control Centre Unit	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Diesel Bus DB12	Essential Services MCC E1 (C18)	4	4	8	5	6	2	5	38400	Feeder to MCC - breaker C18	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31

**PUB-NLH-452, Attachment 1**  
**Page 12 of 14, Isl Int System Power Outages**

System	Asset			Asset Criticality								Define Spares Parts	Price Spare Parts			Spare Part Criticality					
	Asset			Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Water Treatment and Aux Boiler MCC C5 (C4)	4	4	1	5	6	1	5	2400	MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Water Treatment and Aux Boiler MCC C5 (C4)	4	4	1	5	6	1	5	2400	Feeder to MCC - breaker C4	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Common Services MCC C1 (C2)	4	4	3	5	2	1	5	2400	MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Common Services MCC C1 (C2)	4	4	3	5	2	1	5	2400	Feeder to MCC - breaker C2	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Waste Water Treatment Plant MCC C12 (C7)	4	1	1	5	6	6	2	1440	MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB12 (SSB1)	SSB3 (Aux Transformer ATC)	Power Center C SAB12 (C1)	Waste Water Treatment Plant MCC C12 (C7)	4	1	1	5	6	6	2	1440	Feeder to MCC - breaker C7	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)				6	4	8	5	1	2	5	9600	Circuit Breakers	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)				6	4	8	5	1	2	5	9600	Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)				6	4	8	5	1	2	5	9600	Feeder to Station Board - breaker ST34 & relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)				6	4	8	5	1	2	5	9600	Feeder to Station Board - breaker TB12 & relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)			10	4	8	5	1	2	5	16000	Feeder to Transformer - breaker SAT34	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)		4	4	8	5	1	2	5	6400	Feeder to Station Board - breaker SAB34	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)		4	4	8	5	1	2	5	6400	Feeder to Station Board - breaker ATB12	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)		4	4	8	5	1	2	5	6400	Feeder to Station Board - breaker ATB3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	Diesel Bus DB34 (Alternate Feeds Diesel Generator D2, Diesel Bus Tie)	4	4	8	5	1	2	5	6400	Diesel Bus - within SAB-34 Enclosure	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	Diesel Bus DB34 (Alternate Feeds Diesel Generator D2, Diesel Bus Tie)	4	4	8	5	1	2	5	6400	Feeder to Diesel Bus - DB34	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	Diesel Bus DB34 (Alternate Feeds Diesel Generator D2, Diesel Bus Tie)	4	4	8	5	1	2	5	6400	Feeder to Diesel Bus - D2	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	Diesel Bus DB34 (Alternate Feeds Diesel Generator D2, Diesel Bus Tie)	4	4	8	5	1	2	5	6400	Feeder to Diesel Bus - DBT	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Station Board SB34 (ST34)	Station Aux Transformer (SAT34)	Station Aux Board (SAB34)	Diesel Bus DB34	4	4	8	5	6	2	5	38400	MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
UB11 (Tie Breaker Between Station Board SB12 & Unit Board UB1)				6	3	1	5	6	1	5	2700	Circuit Breaker UB1-1	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
UB212 (Tie Breaker Between Unit Board UB2 & Station Board SB12)				6	3	1	5	6	1	5	2700	Circuit Breaker UB2-12	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31

**PUB-NLH-452, Attachment 1**  
**Page 13 of 14, Isl Int System Power Outages**

Asset		Asset Criticality							Define Spares Parts				Price Spare Parts				Spare Part Criticality				
System	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking		
Unit Board UB1 (UB12)										Circuit Breakers	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)										Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)										Feeder to Unit Board - breaker UB1-2	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)									Feeder to Transformer - breaker UB1-3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (Alternate Feed Transfer Bus A9)								Power Centre	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (Alternate Feed Transfer Bus A9)								Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (Alternate Feed Transfer Bus A9)								Feeder to Power Centre - A1	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1) (Alternate Feed Transfer Bus A9)								Feeder to Power Centre - A9	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1)	Lighting Transformer LTA (A3)							Feeder to Transformer - breaker A3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1)	Turbine & Boiler Area MCC A1 (A4)							MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1)	Turbine & Boiler Area MCC A1 (A4)							Feeder to MCC - breaker A4	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1)	Turbine & Boiler Area MCC A1 (A4)	HP Heater MCC A1-1 (A1-1)						MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB1 (UB12)	UB13 (Aux Transformer ATA)	Power Center A UAB1 (A1)	Turbine & Boiler Area MCC A1 (A4)	HP Heater MCC A1-1 (A1-1)						Feeder to MCC - breaker A1-1	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)										Circuit Breakers	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)										Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)										Feeder to Unit Board - breaker UB2-1 & relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)									Feeder to Transformer, breaker UB2-2	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)								Power Centre	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)								Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)								Feeder to Power Centre - breaker B1	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Turbine & Boiler Area MCC B1 (B5)							MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Turbine & Boiler Area MCC B1 (B5)							Feeder to MCC - breaker B5	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31		

**PUB-NLH-452, Attachment 1**  
**Page 14 of 14, Isl Int System Power Outages**

System	Asset				Asset Criticality								Define Spares Parts	Price Spare Parts				Spare Part Criticality				
	Asset	Asset	Asset	Asset	Health & Safety	Output	Quality	Utilization	Alternatives	Environment	Time to Effect	Equipment Score	Defined Spares Parts	Stock Status	Cost	Lead Time	Asset Criticality	PM / CM	Lead Time	Tech Spec	# of suppliers	Ranking
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	Turbine & Boiler Area MCC B1 (B5)	HP Heater MCC B1-1	4	1	1	5	4	4	5	1600	Feeder to MCC - breaker B1-1	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB2 (UB21)	Aux Transformer ATB (UB22)	Power Center B UAB2 (B1)	LT Transformer LTB (B4)		6	1	1	5	6	2	5	1800	Feeder to Transformer - breaker B4	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)					6	8	8	5	6	2	5	115200	Circuit Breakers	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)					6	8	8	5	6	2	5	115200	Relays	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)					6	8	8	5	6	2	5	115200	Feeder to Unit Board - breaker UT3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)				10	4	8	5	1	2	5	16000	Feeder to Transformer - breaker UAT3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)			4	4	8	5	1	2	5	6400	Aux Board	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)			4	4	8	5	1	2	5	6400	Feeder to Aux Board - breaker UAB-3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Lighting Distribution Transformer (LDP3)		6	1	1	5	6	2	5	1800	Feeder to Transformer - breaker LDP-3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Boiler Area MCC (BAB3)		4	4	8	5	3	2	5	19200	MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Boiler Area MCC (BAB3)		4	4	8	5	3	2	5	19200	Feeder to MCC - BAB-3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Boiler Area MCC (BAB3)		4	4	8	5	3	2	5	19200	Feeder to MCC - breaker SDB-34	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Boiler Area MCC (BAB3)	HP Heater MCC HPH3	4	1	1	5	4	4	5	1600	MCC	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	Unit Aux Transformer (UAT3)	Aux Board UAB3 (UAB3)	Boiler Area MCC (BAB3)	HP Heater MCC HPH3	4	1	1	5	4	4	5	1600	Feeder to MCC - breaker from BAB3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31
Unit Board UB3 (UT3)	TB3 (Tie Breaker Between Station Board SB34 & Unit Board UB3)				6	3	1	5	6	1	5	2700	Circuit Breaker TB3	Stock Review Pending	To be Determined	To be Determined	10	1	5	5	10	31

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
Combustion Chamber, Gas Generator, Prime Mover Systems	Not in stock	Medium	4 weeks	TBD	Y	1 set to refurbish
Liquid Fuel Burner - Complete (BDC.3026), Gas Generator, Prime Mover Systems	Not in stock	Medium	2 weeks	Late Dec 2014	N	
Lower Fuel Pump Assembly, Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Late Dec 2014	Y	
Oil Pump - Complete, Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Late Dec 2014	N	
Outer Fuel Pump Drive Assembly (BDA.7591), Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Late Dec 2014	N	
Outer Oil Pump Drive Assembly (47-1-1-006409), Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Late Dec 2014	N	
Outer Starter Drive Assembly (BDA.1153), Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Late Dec 2014	N	
Scavenge Pump Assembly (47-1-1-006418), Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Late Dec 2014	N	
Upper Fuel Pump Assembly, Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Late Dec 2014	Y	
High Energy Ignition Unit, Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	High	12 weeks	Late Nov 2014	N	
Anti-Icing Hot Air Valve - Complete (810-501-0747), Gas Generator, Prime Mover Systems	In stock	Low			N	
Fire Fuel Shutoff Valve (LF-8), Liquid Fuel System, Auxiliary Systems	Not in stock	Low	2-4 weeks	TBD	N	
Exciter Bearing, 63MVA 50MW Generator, Power Generation Systems	Not in stock	High	TBD	TBD	N	
Rotor Bearing, 63MVA 50MW Generator, Power Generation Systems	Not in stock	High	TBD	TBD	N	
Bearing (181413 or 181332), Power Turbine Model CT2, Prime Mover Systems	Not in stock	Medium	TBD	TBD	N	Reverse Engineering Required.
Bearing (494047), Power Turbine Model CT2, Prime Mover Systems	In stock	Medium			N	
Bearing (494056), Power Turbine Model CT2, Prime Mover Systems	In stock	Medium			N	
HP Compressor Magnetic Pickup, Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Low	2 weeks	Late Dec 2014	N	
LP Compressor Magnetic Pickup, Gas Generator, Prime Mover Systems	Not in Stock - Procurement in Progress	Low	2 weeks	Late Dec 2014	N	
Vibration Transducer, Gas Generator, Prime Mover Systems	Not in stock	Medium	TBD	TBD	N	
Jacking Oil Pump, Main Lube Oil System, Auxiliary Systems	In stock	High			N	
Fuel Filter, Gas Generator, Prime Mover Systems	In stock	Medium			N	



Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
Oil Filter Unit - Complete (B.108506), Gas Generator, Prime Mover Systems	In stock	Medium			N	
Filter (494064), Power Turbine Model CT2, Prime Mover Systems	In stock	Medium			N	
Proximity Switch, Clutch, Prime Mover Systems	In stock	Medium			N	
Altair Quick Shutoff Valve (AV-LF-1), Liquid Fuel System, Auxiliary Systems	In stock	High			N	2 additional on order
Fuel Valve (FC-LF-1), Liquid Fuel System, Auxiliary Systems	See comment	High	4 -6 Weeks	Mid Dec 2014	N	HWD in stock, SVL on order
Supplemental Fuel AC Pump (P&MLF-5), Liquid Fuel System, Auxiliary Systems	In stock	Medium			N	
Fuel Pump Servo Valve (SV-LF-1), Liquid Fuel System, Auxiliary Systems	Not in stock	Medium	2-4 Weeks	TBD	N	
Fuel Recirculation Solenoid Valve (LF-7), Liquid Fuel System, Auxiliary Systems	In stock	Medium			N	
Fuel Regulator (LF-4), Liquid Fuel System, Auxiliary Systems	Not in stock	Medium	4 Weeks	TBD	N	Valve no longer manufactured. Parts available
Jacking Oil Permissive Pressure Switch, Main Lube Oil System, Auxiliary Systems	In stock	High			N	
Low Trip Pressure Switch (PS-LO-7), Main Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
Start Permissive Pressure Switch (PS-LO-6), Main Lube Oil System, Auxiliary Systems, SVL GT	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
Clutch Control Solenoid Valve (LO-6), Main Lube Oil System, Auxiliary Systems, SVL GT	Not in stock	Medium	2 weeks	TBD	N	
Clutch Control Solenoid Valve (LO-6), Main Lube Oil System, Auxiliary Systems, HWD GT	Not in stock	Medium	2 weeks	TBD	N	
Valve (181536), Power Turbine Model CT2, Prime Mover Systems	Not in stock	Low	TBD	TBD	N	OEM sourcing
Primary Ratchet Ring, Clutch, Prime Mover Systems; A side	In stock	High			N	
Primary Ratchet Ring, Clutch, Prime Mover Systems; B side	In stock	High			N	
Secondary Ratchet Ring, Clutch, Prime Mover Systems; A side	In stock	High			N	
Secondary Ratchet Ring, Clutch, Prime Mover Systems; B side	In stock	High			N	
Ring that the Primary Pawl and spring are installed	In stock	Medium			N	
Primary Pawl Spring, Clutch, Prime Mover Systems	In stock	High			N	
Primary Pawl, Clutch, Prime Mover Systems	In stock	High			N	
Secondary Pawl, Clutch, Prime Mover Systems	In stock	Medium			N	
Pressure Switch, Permissive Start - Low Pressure Alarm (PS-LF-2), Liquid Fuel System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
Pressure Switch, Trip - Low Fuel Pressure (PS-LF-3), Liquid Fuel System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
Supplemental Fuel Filter (F-LF-5), Liquid Fuel System, Auxiliary Systems	In stock	Medium			N	
Limit Switch, Snow Door Assembly, Exhaust, Prime Mover Systems, SVL GT	In stock	Medium			N	

<b>Recommended Component</b>	<b>Stock Status</b>	<b>Risk Score</b>	<b>Lead Time</b>	<b>Expected Delivery</b>	<b>Spare Cost &gt;\$50,000</b>	<b>Comments</b>
Proximity Switch, Snow Door Assembly, Exhaust, Prime Mover Systems, HWD GT	In stock	Low			N	
NC Solenoid Valve (SV-CA-2), Gas Generator Air Starter System, Auxiliary Systems	In stock	High			N	
NO Solenoid Valve (SV-CA-1), Gas Generator Air Starter System, Auxiliary Systems	In stock	High			N	
Starter Control Valve (CA-17), Gas Generator Air Starter System, Auxiliary Systems	In stock	High			N	
Gas Generator Permissive Start Pressure Switch, Gas Generator Air Starter System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
Starter Overpressure Pressure Switch (PS-CA-3), Gas Generator Air Starter System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
3-Way Thermostatic Valve (GL-2), MLO/Glycol Cooling System, Auxiliary Systems	In stock	Medium			N	
Thermocouple (181398N1), Power Turbine Model CT2, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	TBD	TBD	N	
Speed Pickup (181487), Power Turbine Model CT2, Prime Mover Systems	Not in Stock - Procurement in Progress	High	4 weeks	Late Dec 2014	N	
Vibration Pickup (181571), Power Turbine Model CT2, Prime Mover Systems	Not in stock	Medium	2-4 weeks	TBD	N	
Thermocouple (181397), Power Turbine Model CT2, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Mid Dec 2014	N	
Thermocouple (181398N2), Power Turbine Model CT2, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	2 weeks	Mid Dec 2014	N	
Probe (181414N1), Power Turbine Model CT2, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	TBD		N	
Probe (181414N2), Power Turbine Model CT2, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	TBD		N	
Thermocouple (184847), Power Turbine Model CT2, Prime Mover Systems	In stock	High			N	
Motor Operated Tank Shutoff Valve (LF-38), Liquid Fuel System, Auxiliary Systems, HWD GT	In stock	High			N	
Final Fuel Filter (F-LF-1), Liquid Fuel System, Auxiliary Systems	In stock	Medium			N	
Heater Filter Coalescer, Liquid Fuel System, Auxiliary Systems	In stock	Medium			N	
Prefilter, Liquid Fuel System, Auxiliary Systems	In stock	Medium			N	
Low Oil Pressure Switch (PS-GGLO-1), Gas Generator Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
High Efficiency Farr HP-100 Filter (2'x2'x2"), Filter Box - Curtiss Wright, Prime Mover Systems	In stock	Medium			N	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
Low Liquid Level Alarm Switch (LL-GL-1), MLO/Glycol Cooling System, Auxiliary Systems	Not in stock - Procurement in Progress	Medium	TBD	TBD	N	
Pressure Regulating Valve (LO-8), Main Lube Oil System, Auxiliary Systems	Not in stock	Medium	4 Weeks	Late Dec 2014	N	Valve no longer manufactured. Parts available
Inertial Filter Element, Filter Box - Curtiss Wright, Prime Mover Systems	Not in stock	Medium	8-12 Weeks	TBD	N	
Filter (F-GGLO-1), Gas Generator Lube Oil System, Auxiliary Systems	In stock	High			N	
Unloading Filter, Liquid Fuel System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Level Switch (LS-GGLO-1), Gas Generator Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	TBD	TBD	N	
Duplex 25u Filter (F-LO-1), Main Lube Oil System, Auxiliary Systems	In stock	Medium			N	
Filter/Coalescer Heater (HTR-LF-1), Liquid Fuel System, Auxiliary Systems, HWD GT	In stock				N	
Filter Differential Pressure Switch (PSD-LO-1), Main Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Filter Upstream Pressure Switch (PS-GGLO-3), Gas Generator Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	4-6 weeks	Jan 2015	N	
Heater Control Temperature Switch (TS-GGLO-1), Gas Generator Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Heater Control Temperature Switch (TS-LO-1), Main Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Final Fuel Filter Differential Pressure Switch (PSD-LF-1), Liquid Fuel System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Oil to Clutch A Pressure Transducer (PT-LO-1), Main Lube Oil System, Auxiliary Systems, SVL GT	Not in Stock - Procurement in Progress	High	4-6 weeks	Jan 2015	N	
Oil to Clutch B Pressure Transducer (PT-LO-2), Main Lube Oil System, Auxiliary Systems, SVL GT	Not in Stock - Procurement in Progress	High	4-6 weeks	Jan 2015	N	
Pre-filter Differential Pressure Switch (PSD-LF-2), Liquid Fuel System, Auxiliary Systems, HWD GT	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
AC Pump Discharge Fuel Pressure Switch (PS-LF-4), Liquid Fuel System, Auxiliary Systems, HWD GT	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
DC Pump Start Pressure Switch (PS-LO-1), Main Lube Oil System, Auxiliary Systems, SVL GT	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
DC Pump Start Pressure Switch (PS-LO-2), Main Lube Oil System, Auxiliary Systems, SVL GT	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
DC Pump Start Pressure Switch (PS-LO-3), Main Lube Oil System, Auxiliary Systems, HWD GT	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Fuel Pressure Transducer (PT-LF-1), Liquid Fuel System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Low Oil Pressure Switch (PS-GGLO-2), Gas Generator Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	4-6 weeks	Jan 2015	N	
P3 Pressure Transducer (PT-P3-1), Liquid Fuel System, Auxiliary Systems	Not in Stock - Procurement in Progress	High	4-6 weeks	Jan 2015	N	
Pressure Switch (PS-HO-1), Liquid Fuel System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Common Drain Clutch A Thermocouple (TC-LO-3), Main Lube Oil System, Auxiliary Systems, SVL GT	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Fuel Supply Thermocouple (TC-LF-1), Liquid Fuel System, Auxiliary Systems, SVL GT	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
NC Solenoid Valve (SV-CA-3), Gas Generator Air Starter System, Auxiliary Systems	Not in stock	High	TBD	TBD	N	
Alternator Bearing Drain Oil Thermocouple (TC-LO-3), Main Lube Oil System, Auxiliary Systems, HWD GT	In stock	Medium			N	
Alternator Cooling Air Temperature Thermocouple (TC-A-1), Alternator Cooling System, Auxiliary Systems, SVL GT	Not in stock	Medium	TBD	TBD	N	
Common Drain Clutch B Thermocouple (TC-LO-11), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Compressor Start-Stop Pressure Switch (PS-CA-1), Gas Generator Air Starter System, Auxiliary Systems	In stock	High			N	
Compressor Start-Stop Pressure Switch (PS-CA-2), Gas Generator Air Starter System, Auxiliary Systems	In stock	High			N	
Fuel Temperature Sensor (TS-LF-1), Liquid Fuel System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Oil Drain Alternator Clutch Bearing 1 Thermocouple (TC-LO-4), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Oil Drain Alternator Clutch Bearing 2 Thermocouple (TC-LO-5), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Oil Drain Alternator Clutch Bearing 3 Thermocouple (TC-LO-6), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Oil Drain Alternator Clutch Bearing 4 Thermocouple (TC-LO-7), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Oil Drain Alternator Clutch Bearing 5 Thermocouple (TC-LO-8), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Oil Drain Alternator Clutch Bearing 6 Thermocouple (TC-LO-9), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	

<b>Recommended Component</b>	<b>Stock Status</b>	<b>Risk Score</b>	<b>Lead Time</b>	<b>Expected Delivery</b>	<b>Spare Cost &gt;\$50,000</b>	<b>Comments</b>
Oil Drain Exciter Bearing 7 Thermocouple (TC-LO-10), Main Lube Oil System, Auxiliary Systems, SVL GT	In stock	Medium			N	
Oil Drain Thermocouple (TC-LO-2), Main Lube Oil System, Auxiliary Systems, HWD GT	In stock	Medium			N	
Oil Supply Thermocouple (TC-GGLO-1), Gas Generator Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Oil Supply Thermocouple (TC-LO-1), Main Lube Oil System, Auxiliary Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Inlet Pressure Transducer, Gas Generator Enclosure with Septum Doors, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Inlet Temperature Thermocouple, Gas Generator Enclosure with Septum Doors, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Resistance Temperature Detector Probe, Gas Generator Enclosure with Septum Doors, Prime Mover Systems	Not in Stock - Procurement in Progress	Medium	4-6 weeks	Jan 2015	N	
Double-Acting Pneumatic Cylinder, Snow Door Assembly, Exhaust, Prime Mover Systems, SVL GT	Not in stock	Low	N/A		N	Not required - Does not limit operation
Pneumatic Cylinder, Snow Door Assembly, Exhaust, Prime Mover Systems, HWD GT	Not in stock	Low	N/A		N	Not required - Does not limit operation
Battery, 125 VDC Battery Bank, D.C. Electrical System, Power Generation Systems, HWD GT	Not in stock	Low	N/A		N	Not required - limited shelf life of spare.
Battery, 250 VDC Battery Bank, D.C. Electrical System, Power Generation Systems, SVL GT	Not in stock	Low	N/A		N	Not required - limited shelf life of spare.
Oil to Glycol Heat Exchanger (CLR-LO-1), MLO/Glycol Cooling System, Auxiliary Systems	Not in stock	Low	N/A		N	Recently inspected - in good condition.
Actuator - Hydraulic & DC Motor (A-LF-1), Liquid Fuel System, Auxiliary Systems	Not in stock	Low	N/A		N	New system installed.
Forwarding DC Emergency Pump No 2, Liquid Fuel System, Auxiliary Systems, SVL GT	Not in stock	Low	N/A		N	Not required due to redundancy
Expansion Tank Low Level Alarm (LL-GA-1), Alternator Cooling System, Auxiliary Systems, SVL GT	Not in stock	Low	N/A		N	New system installed.
Hydraulic Actuator Supply Filter (F-HO-1), Liquid Fuel System, Auxiliary Systems	Not in stock	Low	N/A		N	New system installed.

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
BDE - INTAKE STRUCTURE NO. 1 - TRANSMITTER,PRESS 0-6MH20	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PENSTOCK NO. 1 - TRANSMITTER,PRESS 0-375	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PENSTOCK NO. 2 - TRANSMITTER,PRESS 0-375	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PENSTOCK NO. 3 - TRANSMITTER,PRESS 0-375	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PENSTOCK NO. 4 - TRANSMITTER,PRESS 0-375	In Stock	MEDIUM	N/A	N/A	NO	
BDE - TURBINE - Turbine Carbon Seal (Units 1 to 4)	In Stock	HIGH	N/A	N/A	NO	
BDE - TURBINE - Turbine Carbon Seal (Units 5 & 6)	In Stock	HIGH	N/A	N/A	NO	
BDE - WICKET GATES AND LINKAGES - Shear Pins	In Stock	MEDIUM	N/A	N/A	NO	
BDE - WICKET GATES AND LINKAGES - PACKING,V TYPE 2-EASY	In Stock	MEDIUM	N/A	N/A	NO	
BDE - WICKET GATES AND LINKAGES - PIN,ECCENTRIC	In Stock	MEDIUM	N/A	N/A	NO	
BDE - WICKET GATES AND LINKAGES - RING,PISTON SERVO MOTOR 18"OD	In Stock	HIGH	N/A	N/A	NO	
BDE - ISOLATED PHASE BUS - Surge Capacitor	Not in Stock	HIGH	15wks	TBD	NO	
BDE - ISOLATED PHASE BUS - XFMR,CT 13.8 kV	In Stock	HIGH	N/A	N/A	NO	
BDE - ISOLATED PHASE BUS - XFMR,CT 1000:	In Stock	HIGH	N/A	N/A	NO	
BDE - ISOLATED PHASE BUS - XFMR,PT 14400 kV	In Stock	HIGH	N/A	N/A	NO	
BDE - ISOLATED PHASE BUS - XFMR,CT 30332313	In Stock	HIGH	N/A	N/A	NO	
BDE - ISOLATED PHASE BUS - XFMR,CT 800:5	In Stock	HIGH	N/A	N/A	NO	
BDE - ISOLATED PHASE BUS - CT 50/51	TBD	HIGH	N/A	N/A	NO	
BDE - GATE HOIST - BAY D'ESPOIR - ST - Remote I/O Adapter	In Stock	MEDIUM	N/A	N/A	NO	
BDE - HEADCOVER ASSEMBLY - UNIT 1 - BUSHING,UPPER HEAD COVER P003	In Stock	HIGH	N/A	N/A	NO	
BDE - HEADCOVER ASSEMBLY - UNIT 1 - BUSHING,UPPER WICKET	In Stock	HIGH	N/A	N/A	NO	
BDE - HEADCOVER ASSEMBLY - UNIT 1 - Bottom Ring Bushing - Wicket Gate	Not in Stock	HIGH	TBD	TBD	NO	
BDE - RUNNER - UNIT 1 - BOLT,SHAFT TO RUNNER	In Stock	HIGH	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,ANALOG QUANTUM	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,CPU MODICON	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,DISCRETE IN	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,DISCRETE OUT	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,ETHERNET QUANTUM	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,GPS QUANTUM	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,HOT STANDBY	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,INTERFACE PLC	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,RACK FILLER	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - MODULE,RELAY OUT	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY, 125-24 VDC	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,125 VDC	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,125VDC 8A	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - POWER SUPPLY,24 VDC	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - REMOTE I/O HEAD,MODICON	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - ADAPTER,REMOTE I/O	In Stock	MEDIUM	N/A	N/A	NO	
BDE - PLC,Model Quantum- Modicon - BACKPLANE,10 SLOT MODICON	In Stock	MEDIUM	N/A	N/A	NO	
BDE - STATION SERVICE - BDE PH1 - ACB	In Stock	HIGH	N/A	N/A	NO	
BDE - STATION SERVICE - BDE PH1 - Trip Unit - Breaker control device	In Stock	HIGH	N/A	N/A	NO	
BDE - ROTOR SHAFT - Rotating Ring	Not in Stock	HIGH	TBD	TBD	TBD	
BDE - ROTOR SHAFT - Thrust Block	Not in Stock	HIGH	TBD	TBD	TBD	
BDE - STATOR ASSEMBLY - BAR,COPPER 1/2"X2"X10'	In Stock	HIGH	N/A	N/A	NO	
BDE - STATOR ASSEMBLY - BAR,ROTOR CONNECTION	In Stock	HIGH	N/A	N/A	NO	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
BDE - STATOR ASSEMBLY - BAR,ROTOR CONNECTION	In Stock	HIGH	N/A	N/A	NO	
BDE - STATOR ASSEMBLY - BAR,STATOR	In Stock	HIGH	N/A	N/A	TBD	
BDE - STATOR ASSEMBLY - BAR,STATOR	In Stock	HIGH	N/A	N/A	TBD	
BDE - SPILLWAY #1-SALMON RIVE - Lift gearboxes/nuts	In Stock	HIGH	N/A	N/A	NO	
BDE - INTAKE GATE - BACKPLANE,6 SLOT MODICON	In Stock	MEDIUM	N/A	N/A	NO	
BDE - DISCONNECT SWITCH 29-1 - Complete Unit	In Stock	HIGH	N/A	N/A	YES	
BDE - Generator SLIPRING/BRUSH RIGGING - Carbon Brushes	In Stock	MEDIUM	N/A	N/A	NO	
BDE - Generator SLIPRING/BRUSH RIGGING - Brush Holders	In Stock	MEDIUM	N/A	N/A	NO	
BDE - Generator SLIPRING/BRUSH RIGGING - Slip Ring	In Stock	HIGH	N/A	N/A	YES	
BDE - TURBINE GUIDE BEARING - Bearing	In Stock	HIGH	N/A	N/A	YES	
BDE - TURBINE GUIDE BEARING - oil cooler	Not in Stock	HIGH	TBD	TBD	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE200130R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE205011R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE205012R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE205014R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300661R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300686R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300690R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300698R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE300766R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE305043R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE305069R0001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE30598R1	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - CARD,ABB HIEE401481RD001	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - COIL,ABB HIER464920P1	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - MAINBOARD,ABB HIER465176R22	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - POWER SUPPLY,TRACO HIER46651-	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - POWER SUPPLY,TRACO HIER46651-	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - RESISTOR,FIELD DISCHARGE	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - SHUNT,ABB UXAB269330R909	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - VARISTOR,ABB 3ACD5245A003	In Stock	HIGH	N/A	N/A	NO	
BDE - EXCITATION CONTROLS - Field Flashing Resistor	Not in Stock	HIGH	TBD	TBD	NO	
BDE - FIELD BREAKER QO2 - PANEL EE - BREAKER,ABB HIER466757P2331 (entire unit)	In Stock	HIGH	N/A	N/A	NO	
BDE - FIELD BREAKER QO2 - PANEL EE - SHUNT,ABB UXAB269350R909	In Stock	HIGH	N/A	N/A	NO	
BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT,ABB UXAB239260R002	In Stock	HIGH	N/A	N/A	NO	
BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT,ABB UXAB239299R0003	In Stock	HIGH	N/A	N/A	NO	
BDE - FIELD BREAKER QO2 - PANEL EE - CONTACT,ABB UXAB269399R032	In Stock	HIGH	N/A	N/A	NO	
BDE - FIELD BREAKER QO2 - PANEL EE - ARC-CHUTE,ABB UXAB269399R012	In Stock	HIGH	N/A	N/A	NO	
BDE - GENERATOR - CREEP DETECTOR ASSY,129 VCD	In Stock	HIGH	N/A	N/A	NO	
BDE - GENERATOR - PLATES,BRAKE (24 PER SET)	In Stock	HIGH	N/A	N/A	NO	
BDE - GENERATOR - SWITCH,WOODWARD 8935-139	In Stock	HIGH	N/A	N/A	NO	
BDE - Exciter POWER ELECTRONICS - Pulse Transformers	In Stock	MEDIUM	N/A	N/A	NO	
BDE - Exciter POWER ELECTRONICS - BRIDGE,ABB 500772	In Stock	HIGH	N/A	N/A	NO	
BDE - Exciter POWER ELECTRONICS - FUSE,ABB 6,6URD32TTF0800	In Stock	MEDIUM	N/A	N/A	NO	
BDE - Exciter POWER ELECTRONICS - FAN ASSY,ABB 500773	In Stock	HIGH	N/A	N/A	NO	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
BDE - Exciter POWER ELECTRONICS - THYRISTOR,ABB 5STP27F1200	In Stock	HIGH	N/A	N/A	NO	
BDE - Exciter POWER ELECTRONICS - Heat Sink	Not in Stock	HIGH	TBD	TBD	NO	
BDE - RECTIFYING TRANSFORMER - Full Unit	In Stock	HIGH	N/A	N/A	YES	
BDE - RECTIFYING TRANSFORMER - Insulating Fluid	Not in Stock	MEDIUM	TBD	TBD	NO	
BDE - SURFACE AIR COOLERS - SAC Unit	In Stock	MEDIUM	N/A	N/A	TBD	
BDE - SURFACE AIR COOLERS - Tubes	In Stock	MEDIUM	N/A	N/A	NO	
BDE - THRUST/GUIDE BEARING COOLERS - Cooler	In Stock	HIGH	N/A	N/A	YES	
BDE - ROTOR POLES - Pole	In Stock	HIGH	N/A	N/A	TBD	
BDE - STATOR WINDINGS - UNIT 1 - CONNECTOR,STATOR CU	In Stock	HIGH	N/A	N/A	NO	
BDE - STATOR WINDINGS - UNIT 1 to 4 - Coils	In Stock	HIGH	N/A	N/A	TBD	
BDE - THRUST/GUIDE BEARING ASSEMBLY - Springs	In Stock	HIGH	N/A	N/A	NO	
BDE - THRUST/GUIDE BEARING ASSEMBLY - Oil	In Stock	MEDIUM	N/A	N/A	NO	
BDE - THRUST/GUIDE BEARING ASSEMBLY - TRANSMITTER,DIFF	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR - BEARING,DASHPOT LINK	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - BRACKET,WOODWARD 11002-57	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - BRACKET,WOODWARD 91588	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - BUSHING,PILOT VALVE	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - BUSHING,SNAP ACTION	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - BUSHING,WW 11002-65	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - BUSHING, DASHPOT - SMALL	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - BUSHING, DASHPOT - LARGE	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - CABLE,AIRCRAFT 1/4 187083	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - CLIP,WW 11002-16	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - COIL,DASHPOT	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - COIL,PARTIAL SHUTDOWN RESET	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - COIL,SHUTDOWN SOLENOID	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - COIL,SHUTDOWN SOLENOID 65SD	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - COIL,WW 202132	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - CONTACT,CONTACTOR-TYPE DG-	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - DASHPOT,WW 161314	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - DIODE,WW 202891	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - DISC,RELIEF VALVE	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - DISC,UNLOADER	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - GASKET KIT,WOODWARD 8926-137	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - GASKET,WOODWARD 1327-816	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - GASKET,WOODWARD 206317	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - LEVER,CONNECTING LOWER	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - LEVER,LOWER FLOATING	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - LEVER,UPPER FLOATING	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - LINK,WOODWARD 070346	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - LOCKWASHER,BEARING	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - MOTOR ASSY,C/W SHAFT & GEAR	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - MOTOR ASSY,GATE LIMIT	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - MOTOR,GOVERNOR SPEED 28 VOLT	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - MOTOR,SYNCHRONIZING	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - MOTOR, VIBRATING OIL	In Stock	HIGH	N/A	N/A	NO	



Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
BDE - GOVERNOR - FILTER,HYD 932633Q	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PIN,BALLARM	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PIN,DASHPOT	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PIN,LOWER DRIVE	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PIN,PIVOT	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PIN,WOODWARD 11002-71	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PIN,WOODWARD 11002-75	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PLUNGER,SNAP ACTION	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - POTENTIOMETER,1250OH 0.24A	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - PUMP,OIL IMO A3DB-275	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - RETAINER,SWITCH	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - RING,SNAP (PILOT SERVO PLUG)	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - ROTOR,BALL HEAD MOTOR	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - SOLENOID,125 V DC	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - SOLENOID,125VDC 211E	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - SPRING,PILOT VALVE LINK	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - SPRING,RELIEF	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - SPRING,UNLOADER	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - STATOR,BALL HEAD MOTOR	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - SWITCH,PRESS OIL ALARM	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR - Main Valve	Not in Stock	HIGH	TBD	TBD	NO	
BDE - GOVERNOR SPEED GENERATOR - BEARING,SPEED SIGNAL	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - BUSHING, OILITE OVERSPEED SWITCH ASSEMBLY	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - PIN,DOWEL - SPEED SWITCH	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - PLATE,MOUNTING - MERCURY	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - RING,ROTOR	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - PIN,ROCKER ARM	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - BEARING,WW 1800125	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - BEARING,WW 111006	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - BEARING,PMG P/N Z995205	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - PIN,BALLARM	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - BUSHING,URETHANE UPPER D	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - BUSHING,URETHANE LOWER D	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - BALLARM,SPEED SWITCH	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - PIN,TAPERED	In Stock	MEDIUM	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - SPRING,SPEED SWITCH	In Stock	HIGH	N/A	N/A	NO	
BDE - GOVERNOR SPEED GENERATOR - STATOR,P.M.G.	In Stock	HIGH	N/A	N/A	NO	
BDE - GUIDE BEARING SEGMENTS - bearing segments,	In Stock	HIGH	N/A	N/A	YES	
BDE - THRUST BEARING SEGMENTS - bearing segments,	In Stock	HIGH	N/A	N/A	YES	
BDE - UNIT 7 GOVERNOR - FILTER,HYD 932633Q	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PIN,BALLARM	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PIN,DASHPOT	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PIN,LOWER DRIVE	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PIN,PIVOT	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PIN,ROCKER ARM	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PIN,WOODWARD 11002-71	In Stock	HIGH	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
BDE - UNIT 7 GOVERNOR - PIN,WOODWARD 11002-75	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PLUNGER,SNAP ACTION	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - POTENTIOMETER,1250OH 0.24A	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - PUMP,OIL IMO A3DB-275	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - RETAINER,SWITCH	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - RING,SNAP (PILOT SERVO PLUG)	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - ROTOR,BALL HEAD MOTOR	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - SENSOR,LOAD GOVERNOR	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - SOLENOID,125 V DC	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - SOLENOID,125VDC 211E	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - SPRING,PILOT VALVE LINK	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - STATOR,BALL HEAD MOTOR	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - SWITCH,PRESS OIL ALARM	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - STATOR,PERMANENT MAGNET	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - SPRING,SPEED SWITCH	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 GOVERNOR - Unloader/Relief Valve	Not in Stock	HIGH	TBD	TBD	NO	
BDE - UNIT 7 TURBINE - Carbon Seal	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 TURBINE - wicket gate	In Stock	HIGH	N/A	N/A	N/A	
BDE - UNIT 7 TURBINE - turbine bearing	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 DRAFT TUBE-TURBINE - Water Level Probe	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 HEADCOVER ASSEMBLY - BOTTOM RING P001 bushing	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 HEADCOVER ASSEMBLY - BUSHING,LOWER HEAD COVER P001	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 HEADCOVER ASSEMBLY - PACKING,V-TYPE 3/8 EASY	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - Linkage	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - BUSHING,LINK PIN	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - CAP,SHEARPIN	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - PIN,ECCENTRIC P005	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - PIN,LINK P006	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - PIN,ROD SHEARPIN	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - PIN,UPPER DRIVE	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 OPERATING RING - LEVER,WICKET GATE	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 ROTOR ASSEMBLY - POLE	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 RUNNER - TURBINE - CARBON SEAL	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 SERVOMOTOR # 1 - Piston Ring	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 SERVOMOTOR # 1 - PACKING,SERVOMOTOR	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 SERVOMOTOR # 1 - PACKING,V TYPE 2-EASY	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 SERVOMOTOR # 1 - PACKING,V-TYPE 9"x8"ID	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - BOARD,DIGITAL I/O	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - BOARD,I/O ANALOG	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - BOARD,MEASURING ABB	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - BOARD,POWER SYSTEM STABI	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - CAPACITOR,20 MF +10% 150 V	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - COMPONENT, INTEG CCT	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - INTEG CCT	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - CONTACT,ISOLATING	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - MODULE,ABB DCS500B200361	In Stock	MEDIUM	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
BDE - UNIT 7 EXCITER - PANEL,CONTROL	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - POWER SUPPLY,ABB 3BHE013940R00	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 EXCITER - RELAY,GROUND VOLTAGE	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - Main Moving Contacts	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - Main Fixed Contacts	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - COIL,SHUNT CLOSING	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - COIL,SHUNT OPENING	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - Charging Motor	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - BREAKER,ABB EZNE1600MS4-B1	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - ARC CHUTE,ABB UXAB289199215	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - MOTOR,CHARGING	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Generator Field Breaker - CONTACT,ABB UXAB239Z60R0	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 Control Board - BOARD,CONTROL	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - UNIT 7 HYDRAULIC GENERATOR - coolers	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - BEARING,SPEED SIGNAL	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - BUSHING, OILITE OVERSPEED SWITCH ASSEMBLY	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - PIN,DOWEL - SPEED SWITCH	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - PLATE,MOUNTING - MERCURY	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - RING,ROTOR	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - PIN,ROCKER ARM	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - BEARING,WW 1800125	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - BEARING,WW 111006	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - BEARING,PMG P/N Z995205	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - PIN,BALLARM	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - BUSHING,URETHANE UPPER D	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - BUSHING,URETHANE LOWER D	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - BALLARM,SPEED SWITCH	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - PIN,TAPERED	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 PMG - SPRING,SPEED SWITCH	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 PMG - STATOR,P.M.G.	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 RECTIFYING TRANSFORMER - Full Unit	Not in Stock	HIGH	20 weeks	2017	YES	
BDE - Unit 7 VIBRATION MONITORING - PICK-UP,NON-CONTACT	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 VIBRATION MONITORING - PICK-UP,SPEED SENSING	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 VIBRATION MONITORING - POWER SUPPLY,IRD PCB 29128	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 GENERATOR COOLING WATER SYSTEM - TRANSMITTER,DIFF	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 WICKET GATES - GATE, WICKET	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 13.8 kV DISCONNECTS - contacts	Not in Stock	HIGH	TBD	TBD	NO	
BDE - Unit 7 13.8 kV DISCONNECTS - jaws	Not in Stock	HIGH	TBD	TBD	NO	
BDE - Unit 7 DISCONNECT SWITCHES - contacts	Not in Stock	HIGH	TBD	TBD	NO	
BDE - Unit 7 DISCONNECT SWITCHES - jaws	Not in Stock	HIGH	TBD	TBD	NO	
BDE - Unit 7 SLIPRING/BRUSH RIGGING - Collector rings	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 SLIPRING/BRUSH RIGGING - Brushes	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 SURFACE AIR COOLERS - Tubes	In Stock	MEDIUM	N/A	N/A	N/A	
BDE - Unit 7 THRUST/GUIDE BEARING COOLERS - Coolers	In Stock	HIGH	N/A	N/A	YES	Have used spares in poor condition. Replacement is planned for capital application
BDE - Unit 7 NEUTRAL GROUND TRANSFORMER - transformer	In Stock	MEDIUM	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
BDE - Unit 7 ROTOR - Pole	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 STATOR WINDINGS - Stator Bars	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 STATOR WINDINGS - Wedges	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 STATOR WINDINGS - Circuit Ring Jumpers	Not in Stock	HIGH	TBD	TBD	NO	
BDE - Unit 7 TURBINE GUIDE BEARING - bearing	In Stock	HIGH	N/A	N/A	YES	Needs to be refurbished. Planned for capital application
BDE - Unit 7 GENERATOR GUIDE BEARING - segments	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 THRUST BEARING - Thrust Pads	In Stock	HIGH	N/A	N/A	N/A	
BDE - Unit 7 THRUST BEARING - Rotating Ring	In Stock	HIGH	N/A	N/A	N/A	
BDE - PANEL STATION SERVICE - PH #2 - ACB	In Stock	HIGH	N/A	N/A	YES	
BDE - Unit 7 GATE HOIST - brake shoes	Not in Stock	HIGH	TBD	TBD	NO	
BDE - Unit 7 GATE HOIST - Brake Solenoid	Not in Stock	HIGH	TBD	TBD	NO	
CAT - ACCUMULATOR TANK - COIL AUTO AIR CHARGING SOLND	In Stock	HIGH	N/A	N/A	N/A	
CAT - ACCUMULATOR TANK - Air Admission Valve	Not in Stock	HIGH	TBD	TBD	NO	
CAT - Governor Control System - CABLE DEFLECTOR FDBK AMP	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Control System - CABLE FEEDBACK 20'	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Control System - CABLE FEEDBACK 200'	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Control System - CABLE FEEDBACK 50'	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Control System - CABLE,NEEDLE FDBK AMP,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Control System - CABLE PROPORTIONAL VLV	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Control System - CABLE90 DEG.5' ZVPU,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Control System - Power Supply	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Control System - Power Supply 24V	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor - JOINT,UNIVERSAL SSG #1787058	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - Tip	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - Shuttle Valve	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - CONNECTOR, MINIATURE CHAIN	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - Casing guide U/S	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - Casing guide D/S	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - Needle seat	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - BUSHING NOZZLE 374527007/P001	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - CABLE AIRCRAFT,	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - CABLE AIRCRAFT 20,	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - CHAIN,DBS FCS-A1-15	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - CONTROL DEVICE,NEEDLE	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - CONNECTOR, MINIATURE CHAIN	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - Amplifier/proportional	In Stock	HIGH	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - seal piston ring	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - NEEDLE VALVE ASS (6) - Seal	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Electronic Governor - BUSHING CABLE PROP VLV,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - CONNECTOR,MLDT ROD BALL	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - CONVERTER,SERIAL/ETHERNET	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - HOLDER,CIRCUIT BREAKER	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - INTERFACE,ETHERNET VERSA	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - MODULE,GE AMPLIFIER	In Stock	HIGH	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
CAT - Electronic Governor - MODULE,GE PT INTERFACE	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - MODULE,PLUG-IN DIODE	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - MODULE,VERSAMAX 16 PT	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - MODULE,VERSAMAX 32 PT	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - MODULE,VERSAMAX 4 AO	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - PC,ATLAS VX WORKS	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - VERSAMAX power supply	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - PROBE,SPEED ZVPU	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - RELAY,14 PIN PLUG 24VDC	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - LVDT deflector	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - Pos.Xducer	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - Pos.Xducer	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - Deflector proportional	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - Rod vdeflector	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - PC, Atlas 2	In Stock	HIGH	N/A	N/A	N/A	
CAT - Electronic Governor - Guide Ball Slide	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Hydraulics - ELEMENT,FILTER SM 10	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Hydraulics - ELEMENT,FILTER SM 25	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Hydraulics - DEFLECTOR,SERVOMOTOR	In Stock	HIGH	18 weeks	22 weeks after PUB Approval	YES	Planned for capital application
CAT - Governor Hydraulics - PLUG,C/V 010168-390-163	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Hydraulics - PLUG,C/V 021002-281-208	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Hydraulics - PLUG,ESCHER WYSS	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Hydraulics - Deflector valve	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Hydraulics - Piston seal 725X8 X3/8	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Hydraulics - Piston seal 9X8X1/2	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Hydraulics - Seal	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Hydraulics - Pressure Switch	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Hydraulics - OIL,TURBINE 46 (205L)	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Governor Hydraulics - Cooler	Not in Stock	HIGH	TBD	TBD	NO	
CAT - BRAKING JET ASSEMBLY - Control Valve	Not in Stock	HIGH	TBD	TBD	TBD	
CAT - BRAKING JET ASSEMBLY - Nozzle	Not in Stock	HIGH	TBD	TBD	NO	
CAT - POWER TUNNEL (ROCKCUT) - Seal, Adit Door	In Stock	HIGH	N/A	N/A	N/A	
CAT - ROTOR - GENERATOR - Pole	In Stock	HIGH	N/A	N/A	N/A	
CAT - Turbine - Runner	In Stock	HIGH	N/A	N/A	N/A	
CAT - GENERATOR - MODULE,TYP 1CD 108 M 2-02 vibro-meter	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - GENERATOR - OVERCURRENT relay	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - GENERATOR - RELAY,TIME DELAY .6 - 1.0	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - GENERATOR - rotating ring	In Stock	HIGH	N/A	N/A	N/A	
CAT - GENERATOR - INSLTR,SLIP RING	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - GENERATOR - Brake ring	In Stock	HIGH	N/A	N/A	N/A	
CAT - GENERATOR - Brake valve	In Stock	HIGH	N/A	N/A	N/A	
CAT - GENERATOR - Brake Solenoid	In Stock	HIGH	N/A	N/A	N/A	
CAT - Isolated Phase Bus - PT fuse	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - COIL,CLOSING 129 V DC	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - Arc Chute	In Stock	HIGH	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
CAT - STATION SERVICE SYSTEM - Trip Coil	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - Main Drawout Contact	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - Contact Moving Arc	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - Contact Stationary Arc	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - Undervoltage Coil	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - Contact 1600Amp	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - CT 400-800	In Stock	HIGH	N/A	N/A	N/A	
CAT - STATION SERVICE SYSTEM - CT 800-1600	In Stock	HIGH	N/A	N/A	N/A	
CAT - SURFACE AIR COOLERS - Surface Air Cooler	In Stock	HIGH	N/A	N/A	N/A	
CAT - Generator Bearing - Cooler	In Stock	HIGH	N/A	N/A	YES	Have used spares in poor condition. Replacement is planned for capital application
CAT - Stator Assembly - BAR STATOR BOTTOM,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - BAR STATOR TOP,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - CAP STATOR WINDING END,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - JUMPER,STATOR ASM 105	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - JUMPER,STATOR ASM 107	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - JUMPER,STATOR ASM 108	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - JUMPER,STATOR ASM 109	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - JUMPER,STATOR WINDING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - JUMPER,STATOR WINDING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - JUMPER,STATOR WINDING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - Wedge	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - Wedge	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - Connector	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - Slider	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - Slider	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Assembly - Slider	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITATION TRF - Transformer CORE	Not in Stock	HIGH	TBD	TBD	TBD	
CAT - Exciter # 1 - COIL,SHUNT CLOSING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - COIL,SHUNT OPENING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - CONTACT,ISOLATING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - MODULE,THYRISTOR BRIDGE	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - SUPPLY,110-220 VOLT	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - Breaker	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - Arc Chute	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - Control Board	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - I/O ANALOG BOARD CONTROL,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - DIGITAL I/O BOARD,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - PANEL,CONTROL	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - BOARD POWER SYSTEM STABI,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - BOARD MEASURING,	In Stock	HIGH	N/A	N/A	N/A	
CAT - Exciter # 1 - MOTOR,CHARGING	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CONTROL BOARD,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB HIER319619R2,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB KX9170A V1,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN 2010B-P,	In Stock	HIGH	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
CAT - EXCITER NO. 2 - CARD ABB UNC001D-E,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UNS0026A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD\ ABB UN0014B-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0016A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0025A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0026A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0027A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0031A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN004A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0079A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0083A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0089A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0091A-P,CARD ABB UN0093A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0503A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - Unitrol Card	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - Thyristor	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - Transformer	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - Field Voltage Transducer	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - Shunt Voltage Transducer	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - Analog Input Transducer	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - Fuse 600Amp	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0510C-9,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0516A,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0900B-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN0901B-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN1001C-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN1004A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - COIL,SHUNT CLOSING	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - COIL,125 VOLT 60HZ	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD\ ABB UN1004A-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB UN1024C-P,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD ABB 1WX 174-2,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD BBC UN0077AP,	In Stock	HIGH	N/A	N/A	N/A	
CAT - EXCITER NO. 2 - CARD,BBC UN2001F-P	In Stock	HIGH	N/A	N/A	N/A	
CAT - BREAKERS BY BROWN BOVERI, 600V - spare field breaker in used spare exciter	In Stock	HIGH	N/A	N/A	N/A	
CAT - Slipring/brush Rigging Assembly - Ring, Collector Assembly	In Stock	HIGH	N/A	N/A	N/A	
CAT - Slipring/brush Rigging Assembly - Brushes	In Stock	MEDIUM	N/A	N/A	N/A	
CAT - Slipring/brush Rigging Assembly - Brush Holder	In Stock	HIGH	N/A	N/A	N/A	
CAT - Slipring/brush Rigging Assembly - Insulator	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Pumps - Pump	In Stock	HIGH	N/A	N/A	N/A	
CAT - Governor Pumps - INSERT,CURVED JAW SPIDER	In Stock	HIGH	N/A	N/A	N/A	
CAT - Disconnect - contacts	Not in Stock	HIGH	TBD	TBD	NO	
CAT - Disconnect - jaws	Not in Stock	HIGH	TBD	TBD	NO	
CAT - Rotor Poles - Entire Pole	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Windings - JUMPER,STATOR ASM 105	In Stock	HIGH	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
CAT - Stator Windings - JUMPER,STATOR ASM 107	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Windings - JUMPER,STATOR ASM 108	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Windings - JUMPER,STATOR ASM 109	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Windings - JUMPER,STATOR WINDING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Windings - JUMPER,STATOR WINDING	In Stock	HIGH	N/A	N/A	N/A	
CAT - Stator Windings - JUMPER,STATOR WINDING	In Stock	HIGH	N/A	N/A	N/A	
CAT - THRUST BEARING - thrust pads	In Stock	HIGH	N/A	N/A	N/A	
CAT - Turbine Guide Bearing - Bearing	In Stock	HIGH	N/A	N/A	N/A	
CAT - Guide Bearing Segments - Bearing	In Stock	HIGH	N/A	N/A	N/A	
CAT - Thrust Bearing Segments - Segments	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - PUMP UNLOADER,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - COILDASHPOT,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL OIL PUMP UNLOADER SOLND. ,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL PARTIAL SHUTDOWN RESET ,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL SHUTDOWN SOLENOID 65SD ,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - COIL RESET SOLENOID ,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - WOODWARD 1447- 634,motor	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - WOODWARD 1447-640,MOTOR	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - GATE LIMIT,ROD,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - UNLOADER PISTON,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - filter	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR HYDRAULIC SYSTEM - Main valve	Not in Stock	HIGH	TBD	TBD	TBD	
HLK - GOVERNOR ACCUMULATOR TANK - SWITCH PRESS OIL ALARM,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR ACCUMULATOR TANK - Air admission solenoid	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR ACCUMULATOR TANK - Solenoid valve	Not in Stock	HIGH	TBD	TBD	NO	
HLK - GOVERNOR SPEED GENERATOR - GEAR,WOODWARD 1447-640	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR SPEED GENERATOR - gear drive	In Stock	HIGH	N/A	N/A	N/A	
HLK - GOVERNOR SPEED GENERATOR - Speed switch bracket	Not in Stock	HIGH	TBD	TBD	NO	
HLK - MECHANICAL GOVERNOR CONTROLS - Motor limit	In Stock	HIGH	N/A	N/A	N/A	
HLK - MECHANICAL GOVERNOR CONTROLS - Motor speeder	In Stock	HIGH	N/A	N/A	N/A	
HLK - MECHANICAL GOVERNOR CONTROLS - Unloader timing valve	In Stock	HIGH	N/A	N/A	N/A	
HLK - OPERATING RING - Bearing pads	In Stock	HIGH	N/A	N/A	N/A	
HLK - SERVOMOTOR #1 - servomotor repair kit	In Stock	HIGH	N/A	N/A	N/A	
HLK - SERVOMOTOR ASSEMBLY - shear pins	In Stock	HIGH	N/A	N/A	N/A	
HLK - Rotor Assembly - HLK Generator - Rotor pole	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - Carbon seal,	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - BEARING SEGMENT TURBINE,	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - PLATE BEARING,	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - SEAL TURBINE,	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - Wicket gate lever	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - Friction hub	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - Friction hub	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - Packing box	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - link thin	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - link thick	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - wicket gate seal	In Stock	HIGH	N/A	N/A	N/A	



Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
HLK - TURBINE - Dowel	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - Link pin	In Stock	HIGH	N/A	N/A	N/A	
HLK - TURBINE - Eccentric pin	In Stock	HIGH	N/A	N/A	N/A	
HLK - WICKET GATES - wicket gate	In Stock	HIGH	N/A	N/A	N/A	
HLK - CIRCUIT BREAKER - Interrupter assembly	Not in Stock	HIGH	TBD	TBD	NO	
HLK - CIRCUIT BREAKER - Primary disconnect	Not in Stock	HIGH	TBD	TBD	NO	
HLK - CIRCUIT BREAKER - Charging motor	Not in Stock	HIGH	TBD	TBD	NO	
HLK - CIRCUIT BREAKER - Motor brush kit	Not in Stock	HIGH	TBD	TBD	NO	
HLK - CIRCUIT BREAKER - Spring release coil	Not in Stock	HIGH	TBD	TBD	NO	
HLK - CIRCUIT BREAKER - Shunt trip coil	Not in Stock	HIGH	TBD	TBD	NO	
HLK - CIRCUIT BREAKER - Anti-pump relay	Not in Stock	HIGH	TBD	TBD	NO	
HLK - CIRCUIT BREAKER - VCP-WG, 4000A vacuum breaker	Not in Stock	HIGH	18wks	2018	YES	
HLK - GENERATOR - brake shoes	In Stock	HIGH	N/A	N/A	N/A	
HLK - GENERATOR - SOLENOID,GENERATOR AIR VALVE,	In Stock	HIGH	N/A	N/A	N/A	
HLK - GENERATOR - Generator air valve	In Stock	HIGH	N/A	N/A	N/A	
HLK - HEADCOVER ASSEMBLY - SEAL TURBINE,	In Stock	HIGH	N/A	N/A	N/A	
HLK - HEADCOVER ASSEMBLY - SEALWICKET GATE,	In Stock	HIGH	N/A	N/A	N/A	
HLK - HEADCOVER ASSEMBLY - BUSHING 60X75 MM,	In Stock	HIGH	N/A	N/A	N/A	
HLK - HEADCOVER ASSEMBLY - BUSHING GATE STEM - LOWER,	In Stock	HIGH	N/A	N/A	N/A	
HLK - HEADCOVER ASSEMBLY - BUSHING GATE STEM - UPPER,	In Stock	HIGH	N/A	N/A	N/A	
HLK - HEADCOVER ASSEMBLY - Bushing upper	In Stock	HIGH	N/A	N/A	N/A	
HLK - INTAKE HEADGATE AND HOIST EQUIP - Pressure druk	In Stock	MEDIUM	N/A	N/A	N/A	
HLK - STATION SERVICE SWITCHGEAR - Breaker (EATON)	In Stock	HIGH	N/A	N/A	N/A	
HLK - STATION SERVICE SWITCHGEAR - Breaker (Federal Pioneer)	Not in Stock	HIGH	TBD	TBD	TBD	Discontinued breaker model.
HLK - SURFACE AIR COOLERS - Cooler	Not in Stock	HIGH	TBD	TBD	TBD	
HLK - Thrust/Guide Bearing Coolers - Cooler	Not in Stock	HIGH	18wks	2020	YES	
HLK - Thrust/Guide Bearing Coolers - Hi pressure lift pump	In Stock	HIGH	N/A	N/A	N/A	
HLK - UPPER GUIDE BEARING COOLERS - Cooler	Not in Stock	HIGH	TBD	TBD	TBD	
HLK - ISOLATED PHASE BUS - PT fuse	In Stock	HIGH	N/A	N/A	N/A	
HLK - STATOR ASSEMBLY - Stator connection caps	In Stock	HIGH	N/A	N/A	N/A	
HLK - STATOR ASSEMBLY - Stator bars	In Stock	HIGH	N/A	N/A	N/A	
HLK - EXCITATION - Bridge (entire module)	In Stock	HIGH	N/A	N/A	N/A	
HLK - EXCITER FIELD BREAKER - Entire unit	Not in Stock	HIGH	20 wks	TBD	TBD	Either a spare transformer or core, but not both.
HLK - RECTIFYING TRANSFORMER - Core	Not in Stock	HIGH	20 wks	TBD	TBD	Either a spare transformer or core, but not both.
HLK - Slipring /Brush Rigging - Slipring	Not in Stock	HIGH	TBD	TBD	NO	
HLK - Slipring /Brush Rigging - Carbon brush	In Stock	MEDIUM	N/A	N/A	N/A	
HLK - Slipring /Brush Rigging - Brush holder	In Stock	HIGH	N/A	N/A	N/A	
HLK - UNIT DISCONNECTS - Contacts	Not in Stock	HIGH	TBD	TBD	NO	
HLK - Rotor - Pole	In Stock	HIGH	N/A	N/A	N/A	
HLK - STATOR WINDINGS - UNIT 1 - robel bars	In Stock	HIGH	N/A	N/A	N/A	
HLK - THRUST / GUIDE BEARING ASSEMBLY - Cooler	Not in Stock	HIGH	12wks	2020	YES	
HLK - STN SERVICE TRANFORMER (SST-1) - Entire unit	Not in Stock	HIGH	18wks	TBD	TBD	
HLK - TURBINE GUIDE BEARING - BEARING, Segment TURBINE	In Stock	HIGH	N/A	N/A	N/A	
HLK - GUIDE BEARING SEGMENTS (SET) - BEARING,SEGMENT	In Stock	HIGH	N/A	N/A	N/A	
HLK - HD-1N - HINDS LAKE INTAKE - TRANSMITTER,PRESS 0-375	In Stock	MEDIUM	N/A	N/A	N/A	
HLK - THRUST BEARING SEGMENTS (SET) - Thrust Bearing Segments	In Stock	HIGH	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
HLK - UPPER GUIDE BEARING SEGMENTS - Upper Guide Bearing Segments	In Stock	HIGH	N/A	N/A	N/A	
HLK - IN FRAZIL ICE SYS - INTAKE - TRANSMITTER,TEMPERATURE	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Control System - Pressure Switch	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Control System - POWER SUPPLY,18-32VDC	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Control System - TRANSMITTER,PRESS 0-2000	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Control System - TRANSMITTER,TEMP 4-20 MA	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Hydraulic System - Filter, Element NS-7	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Hydraulic System - Joint, Shaft Parker	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Hydraulic System - Pump, Vane Vick	In Stock	HIGH	N/A	N/A	N/A	
GCL - Governor Hydraulic System - Seal, Polypak "U" Cup	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Hydraulic System - Valve, Relief	In Stock	HIGH	N/A	N/A	N/A	
GCL - Governor Hydraulic System - Valve, Check 1 6000 psi	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Governor Hydraulic System - Valve, Proportional	In Stock	HIGH	N/A	N/A	N/A	
GCL - Operating Ring - Washer, Ring Seal	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Operating Ring - BUSHING,GE 226043126X015	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Servomotor - Rod, Seal H254-918	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Servomotor - Rod, Seal H092-730	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Servomotor Assembly - Ring, Piston GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Speed Signal Generator - Pickup, Zero Velocity	In Stock	HIGH	N/A	N/A	N/A	
GCL - Turbine Assembly - Packing Ring, Segment	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Turbine Assembly - Pad, Stop GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Turbine Assembly - Seal, Inflatable	In Stock	HIGH	N/A	N/A	N/A	
GCL - Turbine Assembly - Transmitter, Pressure GE	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Turbine Assembly - Transmitter, Pressure -5TO55	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Turbine Assembly - Transmitter, Pressure 0-90 PSIG	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Turbine Assembly - Transmitter, Diff Pressure	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Turbine Assembly - Ring, Rotating GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Turbine Assembly - Ring, Sealing C/W Spring	In Stock	HIGH	N/A	N/A	N/A	
GCL - Turbine Assembly - Ring, Wear	In Stock	HIGH	N/A	N/A	N/A	
GCL - Turbine Assembly - Valve, Check Wafer 12"D	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Wicket Gates - Bushing, GE 226043126X015	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Wicket Gates - Gate, Wicket GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Level, Gate GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Lever, Shear GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Liner, Gate Operating	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Link, GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Pin, Eccentric	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Pin, Shear GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Pin, Taper GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Plate, Retaining GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Plate, Top GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Wicket Gates - Shim, Laminum	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Wicket Gates - Sleeve, BRS 210mm	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Wicket Gates - Spacer	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - 13.8 kV bus duct - Insulators	Not in Stock	HIGH	TBD	TBD	NO	
GCL - Generator - Top Stator Bars (36)	In Stock	HIGH	N/A	N/A	N/A	

Recommended Component	Stock Status	Risk Score	Lead Time	Expected Delivery	Spare Cost >\$50,000	Comments
GCL - Generator - Bottom Stator Bars (18)	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Guide Bearing, GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Converter, RTD Temperature	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Converter, RTD Universal	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Creep Detector ASSY, 129 V	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Device, Surge Suppression	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Generator - Fuse, TEMP Limiter	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Generator - Fuse, Voltage XFMR	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Generator - Jumper, Pole ASM #1	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Jumper Pole ASM #2	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Jumper Pole ASM #3	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Jumper Pole ASM #4	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Level, Indicator Magnetic	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Oil, Turbine 46 (205L)	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Generator - Packing, V-Type GE	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Generator - Pin, Taper 25MM x 90MM	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Generator - Plate, Brake GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Plate, Locating Pivoted	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Pole, Wound GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - Probe, 741 GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - RTD, 12.5" -50-550 DEG	In Stock	HIGH	N/A	N/A	N/A	
GCL - Generator - RTD, 17" -50-550 DEG C	In Stock	HIGH	N/A	N/A	N/A	
GCL - Transmitter, PFM	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Transmitter, Temp 4-20 MA	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Switch, Press 200 PSI 15A	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Switch, 20-160 ABB 104-324-46	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Thermometer, ADJ 0-55	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Transducer, Balluff Track	In Stock	HIGH	N/A	N/A	N/A	
GCL - Shim, GE 007	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Shim, GE 008	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Shoe, brake GE 6201B6815L005	In Stock	HIGH	N/A	N/A	N/A	
GCL - Spring, GE	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Valve, Purge GE	In Stock	HIGH	N/A	N/A	N/A	
GCL - Washer, Brake Plate	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Washer, GE 105000100	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Ring Assy, Collector	In Stock	HIGH	N/A	N/A	N/A	
GCL - Stick, Joint Horz	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Stick, Joint Vert	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Switch, Press Actuated	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Switch, Press Gran 20W	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Seal, Top Guide Bearing	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Runner - Seal, 770mm x 730mm x 25mm	In Stock	MEDIUM	N/A	N/A	N/A	
GCL - Surface Air Coolers - Cooler, Surface Air	In Stock	HIGH	N/A	N/A	N/A	
GCL - Thrust/Guide Bearing Coolers - Coil, Cooling GE	In Stock	HIGH	N/A	N/A	YES	