This matter is part of your consent agenda, if discussion is desired the item should be pulled and a motion made.

POSSIBLE MOTION

I MOVE TO approve disposal of surplus equipment and material remaining from Blue Lake Hydroelectric Expansion Project as identified in Attachment A.

Note: All costs or revenue for disposal and/or sale will be charged or credited accordingly Capital Project No. 90594.





Memorandum

April 2, 2015

To:

Mark Gorman, Municipal Administrator

From:

Christopher Brewton, Utility Director

Subject:

Material Disposal - Blue Lake Hydroelectric Expansion Project

Request:

I request Assembly approval to dispose of surplus equipment and material remaining from the Blue Lake Hydroelectric Expansion Project as indentified in Attachment (A).

Background:

§18.08.020 (B) of the Sitka General Code requires prior Assembly approval for disposal of any personal property valued at more than \$25,000 and after competitive bid. The remaining material and equipment from the Blue Lake project consist of a wide variety of very specialized equipment, such as turbine generators, transformers, exciters, switchgear, and penstocks.

Because hydroelectric generation equipment is designed and built for a specific application, determining market value and finding a market or buyer for these materials will be difficult. Simple scrap value of the steel, copper, and aluminum will be a tiny fraction of the value of this equipment if it is disposed as scrap versus reutilization at another hydro site. Transportation costs alone to ship these very heavy items from Sitka would more than likely cost more than the value of the scrap itself.

Analysis:

To minimize administrative costs in bringing each item to the Assembly for approval, I request blanket approval to dispose of all surplus materials remaining from the Blue Lake Expansion project with appropriate updates to the Assembly identifying progress with material disposal.

Fiscal Note:

All costs or revenue for disposal and/or sale of Blue Lake material will be charged or credited accordingly to the Blue Lake Hydroelectric Expansion Capital Project No. 90594.

LOCATION	EQUIPMENT	DESCRIPTION	BRAND	MODEL	SERIAL#	PART#	INPUT	OUTPUT	PHASE	HZ	KVA O	THER
PIP	PENSTOCK PIPE (LEAD PAINT)	~160' STEEL PIPE (GPIP)										
Y WT BUILDING	PENSTOCK PIPE (LEAD PAINT)	~40' STEEL PIPE (BY WT BUILDING)										
PIP	PENSTOCK VALVES	MISC. STEEL VALVES & PIPES										
OLD PH	POWER VAC CIRCUIT BREAKER	FEEDER #2 4160V	GENERAL ELECTRIC	VB1 4.16-350-2	0339A9135-002-01							
OLD PH	POWER VAC CIRCUIT BREAKER	FISH VALVE HYDRO	GENERAL ELECTRIC	VB1 4.16-350-2	0339A9135-001-01							
DLD PH	POWER VAC CIRCUIT BREAKER	FILTER PLANT HYDRO	GENERAL ELECTRIC	VB1 4.16-350-2	0339A9135-001-02							
OLD PH	POWER VAC CIRCUIT BREAKER	SMC WATER BOTTLING CO. FEEDER	GENERAL ELECTRIC	VB1 4.16-350-2	0339A9135-001-03							
DLD PH	POWER VAC CIRCUIT BREAKER	BUS TIE #2 CIRCUIT BREAKER	GENERAL ELECTRIC	VB1 4.16-350-2	0339A9135-002-02							
OLD PH	TEST FRAME		TOSHIBA			PRODUCTION NO. 168150					A	UGUST 1960
OLD PH	SHUNT EXCITER REGULATOR	BL #2 EXCITER	BASLER ELECTRIC	SSE 125-50X	1989		160V, 325 AAC	125 VDC, 400 ADC			6	O Hz, 3 PHASE
OLD PH	SHUNT EXCITER REGULATOR	BL WZ EXCITER	BASLER ELECTRIC	SSE 125-50X	1990		160V, 325 AAC	125 VDC, 400 ADC			6	O Hz, 3 PHASE
OLD PH	SHUNT STATIC EXCITER REGULATOR	BL #1 EXCITER	BASLER ELECTRIC	12.5 AMP	125	9 2672 00 100	4160V, 50/60 HZ	125 VDC, 400 AMP, 50 KW CONT			8	/21/1992
OLD PH	SHUNT STATIC EXCITER REGULATOR	BL #1 EXCITER	BASLER ELECTRIC	12.5 AMP	128	9 2672 00 100		125 VDC, 400 AMP, 50 KW CONT			8	/21/1992
OLD PH	TRANSFORMER		BASLER ELECTRIC		127	9 2672 04 100						
GPIP	TRANSFORMER	SPARE										
GPIP	TRANSFORMER	A										
GPIP	TRANSFORMER	В										
GPIP	TRANSFORMER	c										name plates & oi
GPIP	TRANSFORMER	NO LABEL										removed
		NO LABEL										
GPIP	TRANSFORMER											
GPIP GPIP	TRANSFORMER											
GPIP	TRANSFORMER TRANSFORMER BRUSHLESS AC GENERATOR	NO LABEL	IDEAL ELECTRIC					S INS=F, TEMP RISE=BD CELCIUS=RES, A				
SPIP FILTER PLANT HYDRO FILTER PLANT HYDRO	TRANSFORMER	NO LABEL	IDEAL ELECTRIC POWERSAFE		I-01, FRAME=BE113-4, RECTIFIERS: QTY, 3=B	TYPE=FRBA, KW OUTPUT=13, 152883F, QTY. 3=852883R, EXI C-5M, CAT. NO 602070-CW, N	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 50 HZ AMP HR, 1.205-1.220 SP.GR. AT 25°	=62.5, FL , 967 KVA	AMP	S=4.2 TE	MP RISE=80,
GPIP GPIP FILTER PLANT HYDRO	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER	NO LABEL 1028 KW	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC.		I-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-30	TYPE=FRBA, KW OUTPUT=13, 152883F, QTY. 3=852883R, EXI C-5M, CAT. NO 602070-CW, N 52.7 M HEAD, 2200	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 H2 AMP HR, 1.205-1.220 SP.GR. AT 25° PM	=62.5, FL , 967 KVA	AMP	S=4.2 TE	MP RISE=80,
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK	NO LABEL	IDEAL ELECTRIC POWERSAFE		I-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-30	TYPE=FRBA, KW OUTPUT=13, 152883F, QTY. 3=852883R, EXI C-5M, CAT. NO 602070-CW, N	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE=80,
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE	NO LABEL 1028 KW	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC.	SERIAL #921001	I-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-30	TYPE=FRBA, KW OUTPUT=13, 152883F, QTY. 3=852883R, EXI C-5M, CAT. NO 602070-CW, N 52.7 M HEAD, 2200	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 H2 AMP HR, 1.205-1.220 SP.GR. AT 25° PM	=62.5, FL , 967 KVA C (77°F)	AMP	S=4.2 TE	MP RISE=80,
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GMP (BOAT BLOG)	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE	NO LABEL 1028 KW	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC.		I-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-30	TYPE=FRBA, KW OUTPUT=13, 52883F, QTY. 3=852883R, EXI C-5M, CAT. NO 602070-CW, N 52.7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLO	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE=80,
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE	1028 KW 704 KW	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC	SERIAL #921001	I-01, FRAME=BE113-4, RECTIFIERS: QTY. 3-8 TYPE=30	TYPE=FRBA, KW OUTPUT=13, 52883F, QTY. 3=852883R, EXI C-5M, CAT. NO 602070-CW, N 52.7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLO	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE=80,
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (SOAT BLOG) OLD PH OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE BATTERY BANK	1028 KW 704 KW	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC EXIDE C	SERIAL #921001	I-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-30	TYPE=FRBA, KW OUTPUT=13, 52883F, CIY. 3=852883R, EX C-5M, CAT. NO 602070-CW, N 52,7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLI BE 15243-003	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE=80, 1730 NOV 1992 1729 OCT 1992
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (BOAT BLDG) OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE BATTERY BANK NEUTRAL GROUNDING REACTOR	1028 KW 704 KW	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASILER ELECTRIC EXIDE C TOSHIBA	SERIAL #921001	I-01, FRAME=BE113-4, RECTIFIERS: QTY. 3-8 TYPE=30	TYPE=FRBA, KW OUTPUT=13, 52883F, QTY. 3=852883R, EXI C-5M, CAT. NO 602070-CW, N 52.7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLO	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE=80,
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (SOAT SLOG) CLD PH CLD PH CLD PH CLD PH CLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE BATTERY BANK BATTERY BANK DIESEL GENERATOR DIESEL GENERATOR	NO LABEL 1028 KW 704 KW 230 YOLT SYSTEM	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC DXIDE C TOSHIBA ONAN	SERIAL #921001 6.5 VOLT 50.0DL 62-15R/24892B	I-O1, FRAME-BE113-4, RECTIFIERS: QTY. 3-8 TYPE-3C	TYPE=FRBA, KW OUTPUT=13, 52883F, CIY. 3=852883R, EX C-5M, CAT. NO 602070-CW, N 52,7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLI BE 15243-003	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE=80. 7730 NOV 1992 7729 OCT 1992
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (SOAT SLOG) OLD PH OLD PH OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE BATTERY BANK NEUTRAL GROUNDING REACTOR DISSEL GENERATOR INSTRUMENT POTENTIAL TRANSFORMER	NO LABEL 1028 KW 704 KW 230 YOLT SYSTEM	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC DUDE C TOSHIBA ONAN TOSHIBA	SERIAL #921001 6.5 VOLT 50.0DL 62-15R/24892B	-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-6 TYPE-3C ASS0744112 65607177 1681607?7	TYPE=FRBA, KW OUTPUT=13, 52883F, CIY. 3=852883R, EX C-5M, CAT. NO 602070-CW, N 52,7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLI BE 15243-003	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE=80, 7730 NOV 1992 7729 OCT 1992 MFG. 1980
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GPIP FILTER PLANT HYDRO GPIP (BOAT BLOG) OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE BATTERY BANK MEUTRAL GROUNDING REACTOR DIESEL GENERATOR INSTRUMENT POTENTIAL TRANSFORMER CUBICLE SOLENOID	NO LABEL 1028 KW 704 KW 130 VOLT SYSTEM	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. REASLER ELECTRIC EXIDE C TOSHIBA ONAN TOSHIBA TOSHIBA TOSHIBA TOSHIBA	SERIAL #921001 6.5 VOLT 50.ODL 62-15R/24892B VT-D4HP	-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-6 TYPE-3C ASS0744112 65607177 1681607?7	TYPE=FRBA, KW OUTPUT=13, 52893F, QTY. 3=952883R, EX C-5M, CAT. NO 602070-CW, F 52.7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FL BE 15243-003	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25° PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE PPM # 91.8	MP RISE=80, 1730 NOV 1992 1729 OCT 1992 MFG. 1980 MFG. AUG 1960
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GPIP PILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (BOAT BLOG) OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE BATTERY BANK NEUTRAL GROUNDING REACTOR DIESEL GENERATOR INSTRUMENT POTENTIAL TRANSFORMER CUBICLE SOLENOID CUBICLE SOLENOID CUBICLE CUBICLE	NO LABEL 1028 KW 7704 KW 130 VOLT SYSTEM PT GENERATOR #1 CIRCUIT BREAKER GENERATOR #2 CIRCUIT BREAKER	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASILER ELECTRIC EXIDE C TOSHIBA ONAN TOSHIBA TOSHIBA	5ERIAL #921001 6.5 YOLT 50.0DL 62-15R/248928 VT-D4HP EDF-138 EDF-138	-01, FRAME-BE113-4, RECTIFIERS: QTV, 3-8 TYPE-3C TYPE-3C A850744112 60607177 1681607?7 6051600 168150F302 6051598 77?	TYPE=FRBA, KW OUTPUT=13, 52883F, QTV. 3=952883F, QTV. 3=952883F, RX. C-5M, CAT. NO 602070-CW, N. S2.7 M HEAD, 2200 S8.2 M HEAD, 1400 1/SEC FU BE 15243-003 349007-4 51026K-11	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25' PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE-80, 1730 NOV 1992 1729 OCT 1992 MFG. 1980 MFG. AUG 1960
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GOD PH OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE TURBINE BATTERY BANK MEUTRAL GROUNDING REACTOR DIESEL GENERATOR INSTRUMENT POTENTIAL TRANSFORMER CUBICLE SOLENOID CUBICLE SOLENOID CUBICLE SOLENOID	NO LABEL 1028 KW 7704 KW 130 VOLT SYSTEM PT GENERATOR #1 CIRCUIT BREAKER GENERATOR #2 CIRCUIT BREAKER	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC DODE C TOSHIBA ONAN TOSHIBA	5ERIAL #921001 6.5 YOLT 50.0DL 62-15R/248928 VT-D4HP EDF-138 EDF-138	-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-3C TYPE-3C ASS0744112 60607177 1681607?7 6051600 168150FS302 6051598 777 6051601	TYPE=FRBA, KW OUTPUT=13, 52883F, QTV. 3=952883F, QTV. 3=952883F, RX. C-5M, CAT. NO 602070-CW, N. S2.7 M HEAD, 2200 S8.2 M HEAD, 1400 1/SEC FU BE 15243-003 349007-4 51026K-11	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25' PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE-80, 7730 NOV 1992 7729 OCT 1992 AFG. 1980 AFG. AUG 1960 AFG. AUG 1960
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (BOAT BLOG) OLD PH OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE BATTERY BANK NEUTRAL GROUNDING REACTOR DIESEL GENERATOR MSTRUMENT POTENTIAL TRANSFORMER CUBICLE SOLENOID CUBICLE SOLENOID CUBICLE SOLENOID METAL CLADE SWITCH GEAR	NO LABEL 1028 KW 704 KW 130 VOLT SYSTEM PT GENERATOR #1 CIRCUIT BREAKER GENERATOR #2 CIRCUIT BREAKER BUS TIE #1 CIRCUIT BREAKER	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC EXIDE C TOSHIBA ONAN TOSHIBA	SERIAL #921001 6.5 VOLT 50.0DL 62-158/24892B VT-D4HP EDF-13B EDF-13B	-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-3C TYPE-3C A850744112 S0607177 1681607?7 6051600 158150FS002 6051598 7?7 6051601 168150FS002	TYPE=FRBA, KW OUTPUT=13, 52883F, CYY. 3=952883F, CYY. 5=952883F, CYY. 5-5M, CAT. NO 602070-CW, 52.7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLI BE 15243-003 349007-4 51026K-11 51026K-11	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25' PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE-80, 7730 NOV 1992 7729 OCT 1992 AFG. 1980 AFG. AUG 1960 AFG. AUG 1960
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (BOAT BLOG) OLD PH OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE BATTERY BANK NEUTRAL GROUNDING REACTOR DIESEL GENERATOR MSTRUMENT POTENTIAL TRANSFORMER CUBICLE SOLENOID CUBICLE SOLENOID CUBICLE SOLENOID METAL CLADE SWITCH GEAR	NO LABEL 1028 KW 704 KW 130 VOLT SYSTEM PT GENERATOR #1 CIRCUIT BREAKER GENERATOR #2 CIRCUIT BREAKER BUS TIE #1 CIRCUIT BREAKER	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC EXIDE C TOSHIBA ONAN TOSHIBA	SERIAL #921001 6.5 VOLT 50.0DL 62-158/24892B VT-D4HP EDF-13B EDF-13B	-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-3C TYPE-3C A850744112 S0607177 1681607?7 6051600 158150FS002 6051598 7?7 6051601 168150FS002	TYPE=FRBA, KW OUTPUT=13, 52883F, CYY. 3=952883F, CYY. 5=952883F, CYY. 5-5M, CAT. NO 602070-CW, 52.7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLI BE 15243-003 349007-4 51026K-11 51026K-11	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25' PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE-80, 7730 NOV 1992 7729 OCT 1992 AFG. 1980 AFG. AUG 1960 AFG. AUG 1960
GPIP FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO FILTER PLANT HYDRO GPIP (BOAT BLOG) OLD PH	TRANSFORMER BRUSHLESS AC GENERATOR BRUSHLESS EXCITER BATTERY BANK TURBINE BATTERY BANK NEUTRAL GROUNDING REACTOR DIESEL GENERATOR MSTRUMENT POTENTIAL TRANSFORMER CUBICLE SOLENOID CUBICLE SOLENOID CUBICLE SOLENOID METAL CLADE SWITCH GEAR	NO LABEL 1028 KW 704 KW 130 VOLT SYSTEM PT GENERATOR #1 CIRCUIT BREAKER GENERATOR #2 CIRCUIT BREAKER BUS TIE #1 CIRCUIT BREAKER	IDEAL ELECTRIC POWERSAFE NEYRPIC MINI HYDRO INC. NEYRPIC MINI HYDRO INC. BASLER ELECTRIC EXIDE C TOSHIBA ONAN TOSHIBA	SERIAL #921001 6.5 VOLT 50.0DL 62-158/24892B VT-D4HP EDF-13B EDF-13B	-01, FRAME-BE113-4, RECTIFIERS: QTY, 3-8 TYPE-3C TYPE-3C A850744112 S0607177 1681607?7 6051600 158150FS002 6051598 7?7 6051601 168150FS002	TYPE=FRBA, KW OUTPUT=13, 52883F, CYY. 3=952883F, CYY. 5=952883F, CYY. 5-5M, CAT. NO 602070-CW, 52.7 M HEAD, 2200 58.2 M HEAD, 1400 1/SEC FLI BE 15243-003 349007-4 51026K-11 51026K-11	DC VOLTS=125, DC CITER SURGE PROTE IOM CAPACITY: 100 1/SEC FLOW, 900 RI DW, 900 RPM (NO G	AMPS=104, CLASS INS=4, FLD VOLTS CTION=8 56868 GR1, 3 PHASE, 60 HZ AMP HR, 1.205-1.220 SP.GR. AT 25' PM ENERATOR)	=62.5, FL , 967 KVA C (77°F)	900 F	S=4.2 TE	MP RISE-80. 7730 NOV 1992 7729 OCT 1992 AFG. 1980 AFG. AUG 1960 AFG. AUG 1960