

SOUTH VALLEY WATER RECLAMATION FACILITY

REQUEST FOR QUOTATION & SPECIFICATIONS
for
REPLACEMENT OF MICROVERSA MVT TRIP UNITS ON
BREAKERS IN SUBSTATION ES-3

July 2022

REQUEST FOR QUOTATION

RECEIPT OF QUOTATION

Quotations will be received by South Valley Water Reclamation Facility at 7495 South 1300 West, West Jordan City, Utah 84084, for the procurement of:

REPLACEMENT OF MICROVERSA MVT TRIP UNITS ON BREAKERS IN SUBSTATION ES-3

In accordance with the Specifications prepared by:
South Valley Water Reclamation Facility
7495 South 1300 West
West Jordan City, Utah 84084

QUOTATIONS WILL BE RECEIVED NOT LATER THAN 4:00 p.m. on July 28, 2022 at the South Valley Water Reclamation Facility located at 7495 South 1300 West, West Jordan City, Utah.

QUOTATIONS MAY BE DELIVERED by certified mail, hand delivered, or emailed to the South Valley Water Reclamation Facility located at 7495 South 1300 West, West Jordan City, Utah. Quotations should be sent to the attention of Taigon Worthen, P.E., email tworthen@svwater.com.

OWNER'S RIGHTS RESERVED

South Valley Water Reclamation Facility, hereinafter called the OWNER, reserves to itself, without condition, the right to reject any or all quotations and to waive any informality or technicality in any quotation deemed in the interest of the Owner.

SPECIFICATIONS

Breaker Trip Unit specifications can be obtained at SVWRF from July 19, 2022 through July 28, 2022 during office hours or downloaded from www.svwater.com under Engineering and then 2022 ES-3 Trip Unit Replacement.

INSTRUCTIONS TO VENDORS

Examination of Specifications

The submission of a Quotation will constitute an incontrovertible representation by the Vendor that he has examined the Specifications and concurs that they are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for furnishing the Equipment and Services.

Interpretations

All questions about the meaning or intent of the Specifications shall be submitted to the Owner in writing at the email address noted in the Advertisement. Replies will be issued by Addenda posted to South Valley Water Reclamation Facility's website. Questions received on the day of closing for the advertisement may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

Substitute Equipment or Services

The contract, if awarded, will be on the basis of supplying Equipment and Services described and specified. Specific reference to a brand, make, or manufacturer, together with a model or catalog number, in the Specifications, is to denote minimum quality standards of products required. The intent of the Specifications is to set forth and convey to Vendors, the style, type, character, and minimum quality of product required. Equivalent products will be considered by the Owner with the Owner's decisions considered final.

Quotation Form

The Quotation shall be made on the Quotation forms bound herein and in the manner hereafter specified. The Quotation forms shall be completed in ink or by printer, all names must be typed or printed below the signature, and the Quotation forms shall include the name of the Vendor and the date of the submission.

Modification and Withdrawal of Quotations

Quotations may be modified or withdrawn by an appropriate document duly executed and delivered to the place where Quotations are to be submitted at any time prior to the opening of Quotations.

Unauthorized conditions, limitations, or provisos attached to a Quotation will render it informal and may cause its rejection as being non-responsive. The completed Quotation forms shall be without interlineations, alterations, or erasures. Alternative Quotations may not be considered unless called for. Oral, telegraphic, or telephonic Quotations will not be considered.

INSTRUCTIONS TO VENDORS (continued)

Basis of Purchase Award

The Contract Award will be based on the following criteria:

- Total price.
- The ability to comply or exceed the Specifications.
- Evaluation by the Owner on the ease of operations and maintenance, service representative accessibility, financial capability of the Vendor and manufacturer, physical dimensions and gross weight of the unit, operational and maintenance costs, and overall safety features on the equipment.

At the completion of the evaluation by the Owner, the Owner may or may not award the purchase.

Award of Purchase

Owner reserves the right to reject any and all Quotations, to waive any and all informalities, to negotiate purchase terms with the Successful Vendor, and may disregard all nonconforming, non-responsive or conditional Quotations. Discrepancies between words and figures will be resolved in favor of words. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

Owner may conduct such investigations as Owner deems necessary to assist in the evaluation of any Quotation and to establish the responsibility, qualifications, and financial ability of the Vendor to furnish the Equipment and Services in accordance with the Specifications to Owner's satisfaction within the prescribed time. Owner reserves the right to reject the Quotation of any Vendor who does not pass any such evaluation to Owner's satisfaction.

The purchase, if awarded, will be in the best interest of the Owner. The successful Vendor will be notified following completion of Quotation evaluation.

Performance Testing

Upon installation of the replacement trip units the Vendor shall conduct performance testing. This performance testing will be conducted by the Vendor's operators who are knowledgeable of the Equipment. Performance testing will be required to demonstrate that equipment will meet the performance criteria set forth in these specifications. The performance testing will involve field testing in the presence of Owner personnel to verify the replacement trip units operate properly.

This performance testing will be conducted at the South Valley Water Reclamation site located at 7495 South 1300 West, West Jordan City, Utah.

In the event that defects in manufacture, workmanship, or performance are determined during the testing, the Vendor will be required to correct these within 15 days of receipt of

INSTRUCTIONS TO VENDORS (continued)

notice to do such by the Owner and prior to the Owner's final acceptance and subsequent payment. If the Vendor fails to correct any defects, etc. as described above within the 15 day period or refuses to correct them at all, the Owner reserves the right to refuse acceptance and terminate the purchase of the Equipment.

Vendor shall assume all risk of loss or damage to the Equipment prior to acceptance by the Owner at the point of delivery. Vendor shall purchase and maintain insurance on the Equipment during the process of fabrication and while in transit to insure against perils of fire, accident, theft, vandalism, or other perils.

Operator and Maintenance Manuals & Training

The successful Vendor shall provide O&M manuals on the equipment. The Vendor shall within ten days after acceptance of Equipment by the Owner, provide training to the Owner's equipment operators and maintenance personnel.

Terms of Payment

VENDOR shall submit their invoice for payment after delivery, acceptance, and training have been completed. Application for payment will be processed by the OWNER and 100% of the Quotation price shall be paid.

QUOTATION FORM

IDENTIFICATION: REPLACEMENT OF MICROVERSA MVT TRIP UNITS ON
BREAKERS IN SUBSTATION ES-3

QUOTATION IS SUBMITTED TO:

South Valley Water Reclamation Facility
7495 South 1300 West
West Jordan City, Utah 84084

The undersigned Vendor agrees, if this Quotation is accepted, to accept a purchase order from OWNER in the form included in the Specifications for the Price and within the Time indicated in this Quotation and in accordance with the Specifications.

Vendor accepts all of the terms and conditions of the Request for Quotations and Specification. This Quotation will remain subject to acceptance for thirty days after the day of closing.

In submitting this Quotation, Vendor represents, as more fully set forth in the Specifications, that:

- (a) VENDOR has examined copies of all the Specifications and of the following Addenda (receipt of all which is hereby acknowledged):

Date	Number
_____	_____
_____	_____

- (b) VENDOR has familiarized itself with the nature and extent of the Specifications, Services, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Equipment and Service
- (c) VENDOR has given OWNER written notice of all conflicts, errors or discrepancies that he/she has discovered in the Specifications and the written resolution thereof by OWNER is acceptable to VENDOR.
- (d) This Quotation is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation. VENDOR has not directly or indirectly induced or solicited any person, firm or corporation to refrain from quoting; and VENDOR has not sought by collusion to obtain for itself any advantage over any other VENDOR or over OWNER.

VENDOR will furnish the Equipment and Services for the price shown on the attached Price Schedule. Other items of work defined in the specifications, but not listed in the Price Schedule, shall be considered incidental to one or more of the items listed in the Price Schedule and shall be paid for under the item listed to which it is related. Final payment will be based on actual Equipment and Services provided for the prices proposed.

QUOTATION FORM (Continued)

The PRICE SCHEDULE includes one (1) item:

- 1. TRIP UNITS:

This item will cover all costs of labor and materials to provide, install, test and provide training on the new trip units installed in the below identified GE WAVEPRO breakers located in ES-3.

Breaker trip units shall be delivered F.O.B. to the South Valley Water Reclamation Facility site located at 7495 South 1300 West, West Jordan City, Utah, 84084.

All taxes, licenses, fees, transportation/delivery costs, and set up costs will be included in this item including training.

PRICE SCHEDULE

GE WAVEPRO BREAKER TRIP UNITS

The OWNER, South Valley Water Reclamation Facility, is exempt from paying state and local sales tax. Supplier shall not incorporate this tax into Quotation price.

ITEM	DESCRIPTION	QTY	QUOTATION PRICE
1.	52-3-12 800A breaker, 400A trip unit	1	_____
2.	52-3-15 800A breaker, 800A trip unit	1	_____
3.	52-3-13 800A breaker, 800A trip unit	1	_____
4.	52-3-14 800A breaker, 800A trip unit	1	_____
5.	52-3-T 3200A breaker, 2400A trip unit	1	_____
6.	52-3-16 150A breaker, 100A trip unit	1	_____
7.	52-3-24 800A breaker, 600A trip unit	1	_____
8.	52-3-23 800A breaker, 500A trip unit	1	_____
9.	52-3-22 800A breaker, 400A trip unit	1	_____
10.	52-3-21 800A breaker, 400A trip unit	1	_____
11.	53-3-2 3200A breaker, 3200A trip unit	1	_____
12.	52-3-25 800A breaker, 400A trip unit	1	_____

PRICE SCHEDULE TOTAL PRICE _____

VENDOR offers to deliver to the South Valley Water Reclamation Facility site the following item within the following calendar days after receipt of a purchase order.

1. All GE Wavepro breaker trip units _____

Delivery, Calendar Days

QUOTATION FORM (Continued)

Vendor Information:

The Vendor shall furnish the following information along with his Quotation. Failure to comply with this requirement will render the Quotation informal and shall cause its rejection. Additional sheets may be attached as required.

Vendor's name and address:

Vendor's telephone number: _____

Number of years as a Vendor in furnishing electrical equipment of this type: _____

Origin of equipment: _____

Communications concerning this Quotation shall be addressed to:

South Valley Water Reclamation Facility
7495 South 1300 West
West Jordan City, Utah 84084

Taigon Worthen
Facility Engineer / Assistant GM
(801) 495-5469: Office
Email: tworthen@svwater.com

Signature of Company Representative

SUBMITTED ON _____, 20____

VENDOR _____

By _____
Agent Title

Business Address _____

Telephone Number _____ Date _____

State/County Business License No. _____

SPECIFICATIONS FOR GE WAVEPRO BREAKER TRIP UNITS

GENERAL

The VENDOR is required to furnish, in accordance with these Specifications the listed items in the price schedule.

The trip units shall be plug and play compatible with the existing GE Wavepro breakers in ES-3. **The Summary of Equipment in ES-3 is a part of this specification; is attached to this document, and is for the VENDOR's reference.**

New trip units shall be GE Entelliguard TU Trip Units or equal. All existing functionality of the Microversa MVT trip units is to be maintained or improved upon.

Trip units shall be removable in the field and replaced by de-energizing and removing the cover of the circuit breaker.

Trip units shall include a graphical LCD. A DC battery shall provide backlight to the LCD when the current flow is less than 20% of the breaker's sensor rating.

Trip units shall be capable of interfacing via RS-485 supporting MODBUS to the existing MODBUS concentrator.

Trip units shall be provided with LCD batteries, rating plugs (sized as per the price schedule), and any and all parts required to install and operate them in the existing breakers.

Overcurrent protection functions shall meet or exceed existing performance of the Microversa MVT trip units.

PROGRAMMING / PARAMETER SETUP

The Vendor shall provide technician assistance to Owner personnel during setup of overcurrent protection settings.

OPERATION & MAINTENANCE MANUAL

Vendor shall supply three sets of Operation & Maintenance Manuals for equipment. Where possible, the manual shall contain operational procedures, recommended settings, preventative maintenance tasks and schedules, maintenance instructions, recommended spare parts, and vendor contact information for service and parts.

EXCEPTIONS

The Vendor shall note any and all exceptions from the specifications in their quotation. Owner reserves the right to reject exceptions to the specifications if deemed not in the best interest of the Owner.

WARRANTEES

The Owner shall receive and be beneficiary of all OEM warrantees. The Vendor shall warranty the equipment to be free from defects in workmanship and material under normal use and service for a period of one year. The warranty period begins the date the equipment is accepted by the Owner.

PERFORMANCE TESTING

Performance testing will be conducted at the South Valley Water Reclamation Facility site located at 7495 South 1300 West, West Jordan City, Utah.

OPERATOR AND MAINTENANCE TRAINING

Training shall include:

- Navigation of the menu system on the trip unit
- Instruction on how to set the trip unit settings and check on them
- Instruction on how to recognize faults, review the fault log, and clear active faults when appropriate
- Instructions on how to contact the Vendor in the event of an emergency

<END>

General Electric Company

SUMMARY OF EQUIPMENT

ES 3

CUSTOMER: South Valley 4D
CUSTOMER ORDER #: 805701513AA
LOCATION: West Jordan, Utah
STATION: Project 4D

CONTRACTOR:
CONSULTANT:
DISTRIBUTOR:
DISTRIBUTOR ORDER #:

PENALTY: NO
CUSTOMER INSPECTION: NO
WITNESS TEST: NO
EQUIPMENT DUTY: Zone 4, IEEE-693-1997, IBC-2003 qualified
CERTIFIED TEST REPORT: YES
COMPLIANCE CERTIFICATE: NO

LINEUP NO: 01

CONSTRUCTION: Indoor
RATED: 480V-3PH-3W-60HZ
EQUIPMENT: AKD-10 Switchgear

MAIN BUS MATERIAL: LU001 - 3200A/CU
NEUTRAL BUS MATERIAL: LU001 - N/A
GROUND BUS MATERIAL: LU001 - 800A/CU
BUS BRACING: 100KA
S.C. RATING: 85KA
GE BKR HOIST: YES
TOTAL STACKS: LU001 - 5
EQUIPMENT I/B: DEH-194
PAINTED PER: ANSI 61-STD
FINISHED COLOR: Light Gray

REQN #: 433-93691-SG-BUR
ENGR: Nilesh Sonar/HRS
DATE: 3/1/2008

SO #: 913983
SMY #: 0169A2676
REV #: 1

SHEET: 1
OF: 1



WAVEPRO BREAKER SUMMARY

MARK NO [C01] QUANTITY 2 DISCONNECT LOCATION
 TALOG NUMBER WE2LBBSF1XBXXCX

BREAKER TYPE	WPH-32	NEUTRAL SENSOR	
BREAKER AMPERAGE	3200		
PROGRAMMER SELECTION	K332LSGM		
RATING PLUG AMPERAGE	3200		
OPERATION	Electrical		A&C
SHUNT TRIP 1	120 Vac 60 Hz		A
SHUNT TRIP 2	Not Required		
AUXILIARY SWITCH	6A+6B		A&C
BELL ALARM	<None>		
UNDERVOLTAGE RELEASE	Not Required		
ELECTRIC LOCKOUT	Not Required		
DOOR INTERLOCK	Not Required		
REMOTE CLOSE SOLENOID	Not Required		
REMOTE CHARGE INDICATION	Yes		C
PUSHBUTTON COVER CLOSE	Not Required		
PUSHBUTTON COVER TRIP	Not Required		
HIDDEN ON BUTTON	Not Required		
OPERATIONS COUNTER	Yes		DISCONNECTS :A&C

ITS : 101B,105B

- W -WAVEPRO BREAKER
- E - AKD10/PBII/AV3 ACCESS EQUIPMENT
- 2 - HIGH INTERRUPTING
- L - 3200A FRAME, 3200A SENSOR
- B - MVT M TRIP UNIT W/METER & COM
- B - LONG TIME, SHORT TIME, 3W/4W GRD FAULT
- S - 3200A RATING PLUG
- F - "E" ELECTRICAL OPERATION, 120V 60HZ SPRING CHARGE/CLOSE CIRCUIT
- 1 - 120V 60HZ SHUNT TRIP 1
- X - NO UV DEVICE OR ELECTRIC LOCKOUT
- B - 7 STAGE AUXILIARY SWITCH
- X - NO BELL ALARM
- X - NO SHUNT TRIP 2
- C - REMOTE SPRING CHARGE INDICATOR - N/O, OPERATIONS COUNTER
- X - NO OPTION

REQN NO: 433-93691-SG-BUR SUMM NO:0169A2676 SO NO:913983
 ENGR: Nilesn Sonar
 DATE: 2/27/2008 5:31:28 PM REV NO: 0 CONT.ON SHB2 SH B1



WAVEPRO BREAKER SUMMARY

MARK NO [C02] QUANTITY 1 DISCONNECT LOCATION
 TAG LOG NUMBER WE2LBBPF1XBXXCX

BREAKER TYPE	WPH-32	NEUTRAL SENSOR	
BREAKER AMPERAGE	3200		
PROGRAMMER SELECTION	K332LSGM		
RATING PLUG AMPERAGE	2400		
OPERATION	Electrical	.....	A&C
SHUNT TRIP 1	120 Vac 60 Hz	.....	A
SHUNT TRIP 2	Not Required	.....
AUXILIARY SWITCH	6A+6B	.....	A&C
BELL ALARM	<None>	.....
UNDERVOLTAGE RELEASE	Not Required	.....
ELECTRIC LOCKOUT	Not Required	.....
DOOR INTERLOCK	Not Required	.....
REMOTE CLOSE SOLENOID	Not Required	.....
REMOTE CHARGE INDICATION	Yes	.....	C
PUSHBUTTON COVER CLOSE	Not Required		
PUSHBUTTON COVER TRIP	Not Required		
HIDDEN ON BUTTON	Not Required		
OPERATIONS COUNTER	Yes		DISCONNECTS :A&C

ITS : 103B

- W - WAVEPRO BREAKER
- E - AKD10/PBII/AV3 ACCESS EQUIPMENT
- 2 - HIGH INTERRUPTING
- L - 3200A FRAME, 3200A SENSOR
- B - MVT M TRIP UNIT W/METER & COM
- B - LONG TIME, SHORT TIME, 3W/4W GRD FAULT
- P - 2400A RATING PLUG
- F - "E" ELECTRICAL OPERATION, 120V 60HZ SPRING CHARGE/CLOSE CIRCUIT
- 1 - 120V 60HZ SHUNT TRIP 1
- X - NO UV DEVICE OR ELECTRIC LOCKOUT
- B - 7 STAGE AUXILIARY SWITCH
- X - NO BELL ALARM
- X - NO SHUNT TRIP 2
- C - REMOTE SPRING CHARGE INDICATOR - N/O, OPERATIONS COUNTER
- X - NO OPTION

REQN NO: 433-93691-SG-BUR SUMM NO:0169A2676 SO NO:913983

ENGR: Nilesch Sonar REV NO: 0 CONT.ON SHB3 SH B2

DATE: 2/27/2008 5:31:28 PM



WAVEPRO BREAKER SUMMARY

MARK NO [C03] QUANTITY 5 DISCONNECT LOCATION
 TAG LOG NUMBER WEJDBQAF1XBXXCX

BREAKER TYPE	WPF-08	NEUTRAL SENSOR	
BREAKER AMPERAGE	800		
PROGRAMMER SELECTION	K808LSIGM		
RATING PLUG AMPERAGE	400		
OPERATION	Electrical		A&C
SHUNT TRIP 1	120 Vac 60 Hz		A
SHUNT TRIP 2	Not Required		
AUXILIARY SWITCH	6A+6B		A&C
BELL ALARM	<None>		
UNDERVOLTAGE RELEASE	Not Required		
ELECTRIC LOCKOUT	Not Required		
DOOR INTERLOCK	Not Required		
REMOTE CLOSE SOLENOID	Not Required		
REMOTE CHARGE INDICATION	Yes		C
PUSHBUTTON COVER CLOSE	Not Required		
PUSHBUTTON COVER TRIP	Not Required		
HIDDEN ON BUTTON	Not Required		
OPERATIONS COUNTER	Yes		DISCONNECTS :A&C

ITS : 102A,102B,104A,104C,104D

- W - WAVEPRO BREAKER
- E - AKD10/PBII/AV3 ACCESS EQUIPMENT
- J - 1200A CLASS L FUSE
- D - 800A FRAME, 800A SENSOR
- B - MVT M TRIP UNIT W/METER & COM
- Q - LONG TIME, SHORT TIME, INSTANTANEOUS, 3W/4W GRD FAULT
- A - 400A RATING PLUG
- F - "E" ELECTRICAL OPERATION, 120V 60HZ SPRING CHARGE/CLOSE CIRCUIT
- 1 - 120V 60HZ SHUNT TRIP 1
- X - NO UV DEVICE OR ELECTRIC LOCKOUT
- B - 7 STAGE AUXILIARY SWITCH
- X - NO BELL ALARM
- X - NO SHUNT TRIP 2
- C - REMOTE SPRING CHARGE INDICATOR - N/O, OPERATIONS COUNTER
- X - NO OPTION

REQN NO: 433-93691-SG-BUR SUMM NO:0169A2676 SO NO:913983

ENGR: Nilesch Sonar

DATE: 2/27/2008 5:31:28 PM

REV NO: 0

CONT.ON SHB4

SH B3



WAVEPRO BREAKER SUMMARY

MARK NO [C04] QUANTITY 3 DISCONNECT LOCATION
 CATALOG NUMBER WEKDBQGF1XBXXCX

BREAKER TYPE	WPF-08	NEUTRAL SENSOR	
BREAKER AMPERAGE	800		
PROGRAMMER SELECTION	K808LSIGM		
RATING PLUG AMPERAGE	800		
OPERATION	Electrical		A&C
SHUNT TRIP 1	120 Vac 60 Hz		A
SHUNT TRIP 2	Not Required		
AUXILIARY SWITCH	6A+6B		A&C
BELL ALARM	<None>		
UNDERVOLTAGE RELEASE	Not Required		
ELECTRIC LOCKOUT	Not Required		
DOOR INTERLOCK	Not Required		
REMOTE CLOSE SOLENOID	Not Required		
REMOTE CHARGE INDICATION	Yes		C
PUSHBUTTON COVER CLOSE	Not Required		
PUSHBUTTON COVER TRIP	Not Required		
HIDDEN ON BUTTON	Not Required		
OPERATIONS COUNTER	Yes		

DISCONNECTS :A&C

WITS : 101C,102D,105C

- W -WAVEPRO BREAKER
- E - AKD10/PBII/AV3 ACCESS EQUIPMENT
- K - 1600A CLASS L FUSE
- D - 800A FRAME, 800A SENSOR
- B - MVT M TRIP UNIT W/METER & COM
- Q - LONG TIME, SHORT TIME, INSTANTANEOUS, 3W/4W GRD FAULT
- G - 800A RATING PLUG
- F - "E" ELECTRICAL OPERATION, 120V 60HZ SPRING CHARGE/CLOSE CIRCUIT
- 1 - 120V 60HZ SHUNT TRIP 1
- X - NO UV DEVICE OR ELECTRIC LOCKOUT
- B - 7 STAGE AUXILIARY SWITCH
- X - NO BELL ALARM
- X - NO SHUNT TRIP 2
- C - REMOTE SPRING CHARGE INDICATOR - N/O, OPERATIONS COUNTER
- X - NO OPTION

REQN NO: 433-93691-SG-BUR SUMM NO:0169A2676 SO NO:913983
 ENGR: Nilesh Sonar
 DATE: 2/27/2008 5:31:28 PM REV NO: 0 CONT.ON SHB5 SH B4



WAVEPRO BREAKER SUMMARY

MARK NO [C05] QUANTITY 1 DISCONNECT LOCATION
 CATALOG NUMBER WEDBBQ3F1XBXXCX

BREAKER TYPE	WPF-08	NEUTRAL SENSOR	
BREAKER AMPERAGE	800		
PROGRAMMER SELECTION	K801LSIGM		
RATING PLUG AMPERAGE	100		
OPERATION	Electrical		A&C
SHUNT TRIP 1	120 Vac 60 Hz		A
SHUNT TRIP 2	Not Required		
AUXILIARY SWITCH	6A+6B		A&C
BELL ALARM	<None>		
UNDERVOLTAGE RELEASE	Not Required		
ELECTRIC LOCKOUT	Not Required		
DOOR INTERLOCK	Not Required		
REMOTE CLOSE SOLENOID	Not Required		
REMOTE CHARGE INDICATION	Yes		C
PUSHBUTTON COVER CLOSE	Not Required		
PUSHBUTTON COVER TRIP	Not Required		
HIDDEN ON BUTTON	Not Required		
OPERATIONS COUNTER	Yes		

DISCONNECTS :A&C

ITS : 103C

- W -WAVEPRO BREAKER
- E - AKD10/PBII/AV3 ACCESS EQUIPMENT
- D - 450A CLASS J FUSE
- B - 800A FRAME, 150A SENSOR
- B - MVT M TRIP UNIT W/METER & COM
- Q - LONG TIME, SHORT TIME, INSTANTANEOUS, 3W/4W GRD FAULT
- 3 - 100A RATING PLUG
- F - "E" ELECTRICAL OPERATION, 120V 60HZ SPRING CHARGE/CLOSE CIRCUIT
- 1 - 120V 60HZ SHUNT TRIP 1
- X - NO UV DEVICE OR ELECTRIC LOCKOUT
- B - 7 STAGE AUXILIARY SWITCH
- X - NO BELL ALARM
- X - NO SHUNT TRIP 2
- C - REMOTE SPRING CHARGE INDICATOR - N/O, OPERATIONS COUNTER
- X - NO OPTION

REQN NO: 433-93691-SG-BUR SUMM NO:0169A2676 SO NO:913983
 ENGR: Nilesh Sonar
 DATE: 2/27/2008 5:31:28 PM REV NO: 0 CONT.ON SHB6 SH B5



WAVEPRO BREAKER SUMMARY

MARK NO [C06] QUANTITY 2 DISCONNECT LOCATION
 TAG LOG NUMBER WEKDBQCF1XBXXCX

BREAKER TYPE	WPF-08	NEUTRAL SENSOR	
BREAKER AMPERAGE	800		
PROGRAMMER SELECTION	K808LSIGM		
RATING PLUG AMPERAGE	500		
OPERATION	Electrical	.....	A&C
SHUNT TRIP 1	120 Vac 60 Hz	.....	A
SHUNT TRIP 2	Not Required	.....
AUXILIARY SWITCH	6A+6B	.....	A&C
BELL ALARM	<None>	.....
UNDERVOLTAGE RELEASE	Not Required	.....
ELECTRIC LOCKOUT	Not Required	.....
DOOR INTERLOCK	Not Required	.....
REMOTE CLOSE SOLENOID	Not Required	.....
REMOTE CHARGE INDICATION	Yes	.....	C
PUSHBUTTON COVER CLOSE	Not Required	.....
PUSHBUTTON COVER TRIP	Not Required	.....
HIDDEN ON BUTTON	Not Required	.....
OPERATIONS COUNTER	Yes	.....

DISCONNECTS :A&C

NOTES : 102C,104B

- W - WAVEPRO BREAKER
- E - AKD10/PBII/AV3 ACCESS EQUIPMENT
- K - 1600A CLASS L FUSE
- D - 800A FRAME, 800A SENSOR
- B - MVT M TRIP UNIT W/METER & COM
- Q - LONG TIME, SHORT TIME, INSTANTANEOUS, 3W/4W GRD FAULT
- C - 500A RATING PLUG
- F - "E" ELECTRICAL OPERATION, 120V 60HZ SPRING CHARGE/CLOSE CIRCUIT
- 1 - 120V 60HZ SHUNT TRIP 1
- X - NO UV DEVICE OR ELECTRIC LOCKOUT
- B - 7 STAGE AUXILIARY SWITCH
- X - NO BELL ALARM
- X - NO SHUNT TRIP 2
- C - REMOTE SPRING CHARGE INDICATOR - N/O, OPERATIONS COUNTER
- X - NO OPTION

REQN NO: 433-93691-SG-BUR SUMM NO:0169A2676 SO NO:913983
 ENGR: Nilesh Sonar
 DATE: 2/27/2008 5:31:28 PM REV NO: 0 CONT.ON SHD1 SH B6