

3-E)



City Council Agenda Item
Meeting of December 1, 2015

TO: The Honorable Mayor and Members of the City Council

FROM: James R. O'Connor, City Manager

DATE: November 20, 2015

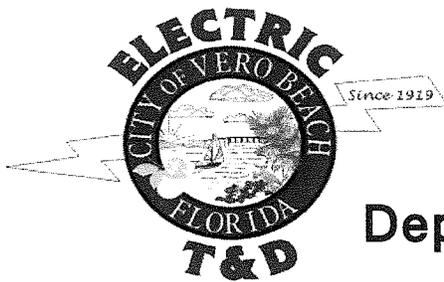
SUBJECT: COVB Bid 25-11/10/2015-PWC Stock 200 Amp Dead Front Switchgear

REQUESTED BY: City Manager/Electrical T&D Department

The following is requested as it relates to the above-referenced agenda item:

Request Council review and approval based on the attached supporting documentation.

No action required. (Information only)



Departmental Correspondence

E-Mail: TFletcher@covb.org

TO: James R. O'Connor, City Manager
DEPT: City Manager

FROM: Ted Fletcher, Director, Electric Utility Operations *TF*
DEPT: Electrical T&D

DATE: November 20, 2015

SUBJECT: COVB BID 25-11/10/2015-PWC Stock 200 Amp Dead Front Switchgear

Background Information:

This is to replace three (3) live front switchgear that require immediate attention due to age, and replenish three (3) stock dead front switchgears back into inventory. We would like this item placed on the City Council's agenda for December 1st, 2015 for approval.

Recommendation:

Due to standardization and compatible fusing equipment in stock, our recommendation is to award the lowest bid to Gresco for a total price of \$69,462.00 per the attached backup information.

Funding:

This is a budgeted item and funding will be provided through account number 403.5400.531.610365 - Reconductor Feeders.

Strength: The 200 Amp Dead Front Switchgear are more reliable and meets the new industry standards.

Weakness: By not replacing the existing Live Front Switchgear that requires immediate attention from corrosion with new Dead Front Switchgear, cables and other electrical components of the system will fail and additional expenses will incur.

Opportunity: Due to the numerous failures and expired life expectancy of the existing 200Amp Live Front Switchgear, awarding the bid to Gresco will allow for replacement of said assets.

Threat: The existing Live Front Switchgear, with their corrosion and aged internal components, will expose the electric system to outages that will have impact on reliability and revenue.

INTERDEPARTMENTAL MEMO

Date: 11/19/15
To: Ted Fletcher, Director, Electrical T&D & Power Resources *TF*
From: Phyllis Walton, Assistant Manager of Purchasing/Warehouse *PJW*
Re: COVB BID 25-11/10/2015-PWC 200 Amp Stock Switchgear

The Purchasing Department received the attached responses to the issuance of the request for bids to replenish stock switchgear for the Warehouse Electric stock through the on-line AURSI Bid System.

Recommendations for the next Council meeting should be submitted to the City Manager by Noon, Tuesday, one week prior to the scheduled meeting.

Should you have any questions regarding the bids, please do not hesitate to contact me.

Attachment
Bid Tab

ELECTRICAL ENGINEERING
& NEW CONSTRUCTION

NOV 19 2015

RECEIVED

FL-City of Vero Beach-E

View

Event # RFQ-25-11/10/2015-PWC

Creation Date 11/10/2015

Due Date-Time 11/17/2015-12:00 AM EST

Description RFQ for STOCK 200 AMP SWITCHGEAR

Event Notes

LineNo StockNo Description Qty Alt Notes

1 19399601 SWITCHGEAR, DEAD-FRONT PAD MOUNTED, 200A, 3 PH W 2 FUSED TAPS SPEC 34, ITEM NO 2 ON CONFIGURATION 6 No EACH

QtyQuoted	Price	Extended	Delivery	SuppName	Manufacturer	CatNo	Remarks
6	11577.00000	69462.00000	60	FL-GRESCO - Wildwood	Federal Pacific	na	Product info to follow.
6	22065.24000	132391.44000	105	FL-Stuart C. Irby- Orlando	Elliot	EPMR-15-322P-E2-SML4-SS	
6	27600.00000	165600.00000	98	FL-Electric Supply of Tampa-Tampa	Hubbell Trinetics	FE312233DSMXXXVB01	

Boiler Plate Description	Document Name	Revised
RFQ Instructions	RFOINSTR.pdf	07/08/2005

Walton, Phyllis

From: Terry Anderson [TAnderson@gresco.com]
Sent: Tuesday, November 17, 2015 12:05 PM
To: Walton, Phyllis
Subject: Aursi RFQ -25-11/10/2015-PWC

Phyllis:

Following is product information for Line 1, Aursi RFQ -25-11/10/2015-PWC

<u>Item</u>	<u>Qty</u>	<u>Description</u>
1	1	FTDF-315-96PF-AJ4Z-B599-C-F699-LBI-SB1-T799 15KV, 95KV BIL, Three-Phase, Fusible Tap, Dead-Front, Pad-mounted Switchgear with six (6) Auto-jet load break fuse mountings to accommodate SML-4Z. Included are inner barrier doors on the fuse side only and penta-head security bolts on all exterior doors. Unit will be provided with three (3) 200 amp bushing wells on the line side, six (6) 200 amp bushing wells on the load side. (Fuse holders to be supplied by the City) Included are: B5 Inner insulating barrier doors with penta-head bolts on fuse side only C Copper bus F699 Type 304L stainless steel cabinet and internal parts (or non-ferrous) hardware, except switch frame and all current carrying parts LBI Load break inserts (9ea) SB1 Penta-head security bolts (in lieu of hex-head) T799 Mounting provisions only with viewing window to accommodate one three-phase fault indicator in each switch compartment with fault indicator viewing window on associated door

Comments & Clarifications:

Pricing is based upon "LTL" freight charges. Contact Factory for revised pricing if "flatbed" or "dedicated" shipment is required.

This quotation is based upon information supplied to the Factory, which may or may not have been complete. Customer is responsible for reviewing this quotation for compliance, deviations, exclusions, and improper information supplied. If you feel an error or omission has been made, please contact Factory immediately.

1. Elbows and inserts are not included as part of our proposal.

General:

The pad mounted switchgear in our proposal has been designed and tested per applicable portions of IEEE, ANSI, NEMA and other industry standards including:

ANSI C37.72 - Standard for Manually Operated Dead Front Switchgear

IEEE C37-74 - Standard for Pad mounted Load-Interrupter Switchgear and Fuse Load-Interrupter Switchgear

ANSI C57.12.28 - Standard for Enclosure Integrity

IEEE C37.48C - Guide for Application of Expulsion Fuses in Enclosures

NEMA SG6 - Standard for Power Switching Equipment

ANSI/IEEE C29.1 - Test Methods for Electrical Power Insulators

C37.63 is not applicable to manually operated pad mounted switchgear.

C37.20 is not applicable to low profile pad mounted switchgear.

Equipment will not be UL listed, but the load-interrupter switches used do have a UL listing as a recognized component.

Specification Section - SPEC34, REVISED 10/29/15

1. Enclosure Construction: Equipment shall be provided with one (1) active and one (1) passive door on each side of the enclosure. Doors will be held open approximately 105 degrees with a manual type door holder. The hinge barrel shall be welded to the enclosure door(s), but bolted to the enclosure. Hinge pins shall be our standard ¼". FP will provide our standard powder paint coating system.

2. Bushings, Bus and Fuse Mountings: Providing our standard fuse mount that hinges downward. Fuse mountings that are keyed to prevent rotation and the Uni-rupter will not be provided. Bushings studs are tested to 17 ft-lbs per IEEE-386 only. IEEE-386 does not call for a 600 lb loading and therefore is not included in this proposal. Elbows and Inserts are not included as part of FP proposal.
3. Barriers: Removable phase barriers will not be provided. Phase barriers shall be of polycarbonate material, hinged and bolted closed. Halar lift loops shall be provided for opening/closing the barrier door. Handles that are keyed to prevent rotation for secure handling will not be provided.
4. Accessory Equipment: Providing our standard aluminum, adhesive backed unit nameplate. Nameplate shall include: manufacturer's name, catalog number, serial number and date of manufacture. A ratings label shall be provided on the inside of the compartment door.
5. Approval drawings (if required) will be submitted 2 weeks after our acceptance of an order.
6. Elbows are not included as part of our proposal.
7. Doors will be held open approximately 105 degrees with a manual type door holder.
8. FP will provide standard packaging materials only.

Prices are firm for 30 days.

Terry Anderson
Gresco
Cell 352-446-0284
e-mail tanderson@gresco.com