

FOR BOARD ACTION

Agenda Item # 10

Meeting Date:

4/29/08

SUBJECT: Consideration of Bids, 15 kV Bus Duct

PREPARED BY: Neil Stiller
Sr. Electrical Engineer

Bids were opened on April 14, 2008 for one installation of 15 kV electrical bus duct. This equipment will be used at the Cascade Creek Substation. It is part of a budgeted project to improve safety by reducing the amount of fault current that workers and equipment are exposed to. Delivery of this equipment is scheduled for September, 2008. This is the second of two major purchases for this project, the first being the Current Limiting Reactors approved during the March board meeting.

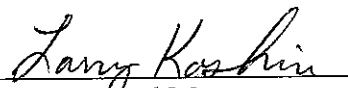
Three bids were received. One bidder failed to include a bid bond and was disqualified. Technical evaluation of the remaining two bids was performed by Ulteig Engineers Inc. along with RPU staff.

The low bidder, AZZ/Calvert, proposed unacceptable equipment. The specification documents explicitly required the manufacturer to fit their proposed equipment in a defined space. The AZZ/Calvert equipment will not fit this space. The remaining bidder, Eaton Electrical Group, proposed satisfactory equipment and delivery schedule.

Bid information is summarized on the attached page

UTILITY BOARD ACTION REQUIRED:

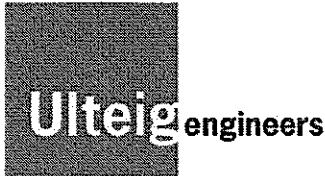
It is recommended that the Utility Board reject the bids from AZZ/Calvert and Technibus due to failure to meet bid specifications and approve a purchase order agreement for 15kV electrical bus duct, with Eaton Electrical Group, in the amount of \$177,107.00.


General Manager

4-29-08
Date

Cascade Cr. Sub. Bus Duct Tabulation and Evaluation

	Calvert (Base Proposal, Conner)	Calvert (Alternate, Aluminum)	Cutler - Eaton	Technibus	Delta-Unibus	Park Detroit
BID BOND (Y / N)	Yes	Yes	Yes	No		
BASE BID Unit Price	\$193,859	\$157,701	\$208,917	\$187,919	No Bid	No Bid
EXCLUSIONS OR EXCEPTIONS:						
Adders/Deducts to Conform bid to Specification						
Deduct for alternative (standard) paint			-\$7,000			
Deduct for correction of measurements			-\$24,810			
Adder for Freight charges - FOB job site	\$7,195	\$7,195				
Adder for Field measurements on site	\$12,000	\$12,000				
TOTAL FOR 1 SET AS SPECIFIED	\$213,054	\$176,896	\$177,107	\$187,919		
DELIVERY DATE (Required August, 2008)	August 11, 2008	August 11, 2008	Aug - Sept. 2008 16-22 weeks ARO	August 11, 2008		



Get the job done right

5201 E. River Road, Suite 308
Minneapolis, MN 55421-1027
Phone: 763.571.2500
Fax: 763 571 1168

April 22, 2008

Rochester Public Utilities
4000 East River Road NE
Rochester, MN 55906-2813
Attn: Neil Stiller

SUBJECT: Cascade Creek Substation
15 kV Bus Duct Bid Evaluation
Ulteig Project #207.1062

Dear Mr. Stiller:

Ulteig Engineers, Inc. has reviewed proposals from Eaton Electrical Group (Neg# MP630409C802 Alt#0000) and AZZ/Calvert Company (quote #QN-11186) for 15 kV non-segregated bus duct for the Cascade Creek generator reactor project. A bid from Technibus was received without a bid bond. Their bid was not fully evaluated. Below is a summary of Ulteig Engineer's comments and recommendation:

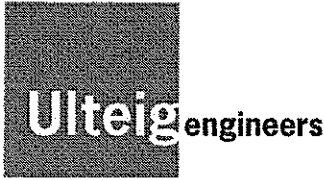
Delivery

Eaton quoted FOB destination, with delivery 12-16 weeks ARO (approximately August 1 to September 1, 2008). AZZ/Calvert quoted FOB destination, with delivery August 11, 2008. The required delivery date is August 11, 2008.

Exceptions to the Specification

Eaton offers a flat bus duct roof in lieu of a sloped roof, and offers their standard grey paint ANSI 61 in place of the specified ANSI 70.

AZZ/Calvert offers their standard product for both their base bid (copper bus) and their alternate bid (aluminum bus) which will not physically fit in the available bus duct corridor as shown on RPU sketch SK-BUSDUCT which was included in the bid package. This is a major exception to the specification.



Get the job done right

5201 E River Road, Suite 308
 Minneapolis, MN 55421-1027
 Phone: 763.571.2500
 Fax: 763.571.1168

Bid Adjustments (deductions and adders)

Eaton's base bid was adjusted for a deduction to substitute their standard paint. The standard paint is a different color than specified. The Eaton's bid was also adjusted to reflect a measurement error to their quoted indoor and ground bus duct lengths (reduced linear feet from 230 to 205 feet).

AZZ/Calvert's base bid was adjusted for an adder for freight costs to the job site and an adder for the site visit to perform engineering field measurements.

Alternate Bids

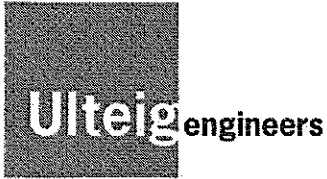
Eaton did not submit an alternate bid

AZZ/Calvert submitted an alternate bid with aluminum bus bar material instead of copper bus bar. Otherwise their alternate bid was identical to their base bid.

Base and Alternate Bid Totals

The Eaton and AZZ/Calvert bids are as follows with the above deductions and adders included:

	Eaton <u>(copper bus)</u>	AZZ/Calvert <u>(copper bus)</u>	AZZ/Calvert <u>(aluminum bus)</u>
Base Bid total	\$208,917	\$193,859	\$157,701
Deduct for paint	(\$7,000)		
Deduct - indoor bus	(\$21,060)		
Deduct - ground bus	(\$3,750)		
Adder - FOB job site		\$7,195	\$7,195
Adder - field measurement		\$12,000	\$12,000
TOTAL EVALUATED BID	<u>\$177,707</u>	\$213,054 (disqualified)	\$176,896 (disqualified)



Get the job done right

5201 E River Road, Suite 308
Minneapolis, MN 55421-1027
Phone: 763 571 2500
Fax: 763 571 1168

Recommendation

Ulteig Engineers, Inc. recommends Eaton Electrical Group be awarded the purchase order for the 15 kV non-segregated bus duct based on their bid evaluation, acceptable delivery and the inability of AZZ/Calvert to meet the physical design requirements of the specification causing their bid to be considered non-compliant with the specification and thereby disqualified

Sincerely,

A handwritten signature in cursive script that reads "Robert Nundahl".

Robert Nundahl, PE
Project Engineer

c: Bob Ledebuhr, RPU

Enclosures



PowerChain Management™ Solutions

EATON Electrical Group
5421 Feltl Road, Suite 190
Minnetonka, MN 55343
www.eatonelectrical.com

Rochester Public Utilities
ATTN: Material Manager
4000 East River Road, NE
Rochester, MN 55906-2813

April 14, 2008

Re: EATON Neg# MP630409C802 Alt#0000
Cascade Creek Combustion Turbine #1 – 15kV Non-Segregated Bus Duct

It is my pleasure to propose the following 15kV Non-Segregated Bus Duct.

General Notes:

1. Proposal will be valid for 60 days.
2. Payment terms are subject to negotiation.
3. Sales tax is not included.
4. Freight terms are FOB Job Site, Rochester, MN
5. Standard lead times have been quoted. An improved schedule may be negotiated.

Attachments:

Bill of Material.RTF
Busway Quotation Policy NSB.doc
RPU_RFP_POAgr_Rev 1_04-08-08.doc
BidBond.pdf

Sincerely,

Kym Latterell

Kym Latterell, Sr. Sales Engineer
KymKLatterell@eaton.com

Phone: (952) 939-5445
Fax: (952) 939-5446

**BID FORM
004160**

**15 KV THREE-PHASE NON-SEGREGATED BUS DUCT
BID DUE DATE: April 14, 2:00 PM Central Time**

PROJECT: City of Rochester, Rochester Public Utilities, Cascade Creek Combustion Turbine #1 Reactor

FROM: _____

ATTENTION: Bob Ledebuhr, C.P.M., Materials Manager

The undersigned agrees, if this bid is accepted, to enter into a contract for the work described in this request for bid and any subsequent formal written changes, exclusive of any qualifications attached hereto, for the following firm lump sum price for the 15 kV three-phase, non-segregated bus duct, including freight F O B jobsite, insurance, overhead, profit, etc. and excluding taxes:

Base Bid

Item No.	Description	Base Bid Amount Bus Duct
1	TOTAL FIRM LUMP SUM BID FOR TOTAL EQUIPMENT SUPPLY OF 15 KV THREE-PHASE NON-SEGREGATED BUS DUCT	\$ _____

City reserves the right to accept either the base bid price or the base price with the option.

Bidder must attach to the bid proposal a detailed explanation of any Alternate Bid, which includes, but shall not be limited to, all supporting technical information, drawings, technical data, milestones, schedule, etc. sufficient to allow City to adequately evaluate any Alternate Bid.

BIDDER NAME: _____

Bidder's Surety Company: _____

Bonding Capacity: \$ _____ Current Value of Work Bonded \$ _____

Name of Agent: _____

Contact Name: _____ Phone Number: _____

Bid Bond Type _____ (price included in lump sum price)

Identification Number _____

Pricing reflects Addendum No's ____ through ____ inclusive.

	Yes	No
Bid is, without exception, in exact accordance with the subcontract, specifications, drawings, terms, conditions and requirement of this RFB? (If no, attach separate page with qualifications.)		
Pricing will remain valid for acceptance for 120 days.		
Is pricing subject to escalation?		
Does Bidder have a written Quality Assurance Program?		
Bidder has supplied an overall schedule?		
Bidder has completed the Sub-Contractor list? (Labor contracts only)		
Bidder has completed and submitted the Acknowledgement of Corporation Form?		

MILESTONE DATES

The Bidder shall commit to milestones by providing "Seller Committed Dates." Key milestone dates for the work are as follows:

<u>Milestone Schedule</u>	<u>City Scheduled Date</u>	<u>Seller Committed Date</u>
RFB Due	April 14, 2008	N/A
Signed Purchase Order	After April 29, 2008	N/A
Issue of Approval Drawings		
Deliver	August 11, 2008	

The undersigned agrees, if this bid or Alternate Bid is accepted, to enter into contract for the work described in this Request for Bid and any subsequent formal written changes, exclusive of any qualifications attached hereto.

Submitted by:

Signature/Title

Date

Company

Phone

Address

Fax

City/State/Zip

Email



RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to reject the bids from AZZ/Calvert and Technibus due to failure to meet bid specifications.

BE IT FURTHER RESOLVED that the Board approves a purchase order agreement with Eaton Electrical Group for

15kV Electrical Bus Duct

In the amount of ONE HUNDRED SEVENTY-SEVEN THOUSAND ONE HUNDRED SEVEN AND NO/100 DOLLARS (\$177,107.00), with Eaton Electrical Group being lowest responsible bidder.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 29th day of April 2008.

President

Secretary