



City of Grand Island

Tuesday, January 12, 2010

Council Session

Item G8

**#2010-6 - Approving Bid Award - Electrical Circuit Breakers for
Substation J (Wildwood and Blaine Streets)**

Staff Contact: Gary R. Mader

Council Agenda Memo

From: Gary Mader, Utilities Director
Wesley Nespor, Asst. City Attorney/Purchasing

Meeting: January 12, 2010

Subject: Electrical Circuit Breakers, Contract #10-PCC-01

Item #'s: G-8

Presenter(s): Gary Mader, Utilities Director

Background

In 2006, Advantage Engineering (AE) was contracted to perform a Transmission and Substation System Study for the City of Grand Island Utilities Department (GIUD). Various alternatives and solutions were analyzed for the logical and economic expansion of the GIUD's 115 kV transmission loop, power interconnections with Nebraska Public Power District (NPPD), substations, distribution, and communications. The system study period was ten (10) years (2006-2016) taking into account projected City expansion and load growth. When fully implemented, the major substation and transmission requirements should be satisfied through 2027.

The Transmission and Substation System Study was completed in 2007 and contained a detailed analysis of previous studies and reports; surrounding area power provider plans; state wide planned improvements; contractual obligations; the City's comprehensive development plans; system capabilities and capacities; land use issues; and schedule related items. The study resulted in recommendations to expand the GIUD's transmission system to serve load growth and assure reliability. The results of the Transmission and Substation System Study were presented to the Grand Island City Council on January 8, 2008.

One of the system improvements identified in the Transmission and Substation System Study was the need for an additional Substation to be located in the southern portion of the City near the Industrial Park. The actual location is at the northwest corner of the Platte Generating Station site, at the intersection of South Blaine Street and Wildwood Drive. One of the first steps is the purchase of the required circuit breakers. This will determine detailed foundation design information needed in the construction specifications. Three classes of circuit breakers are required for this substation including

two (2) 121 kV breakers, two (2) 15.5 kV Bus breakers and five (5) 15.5 kV distribution breakers.

Discussion

The Electrical Circuit Breaker specifications were advertised in accordance with City procurement requirements. Specifications were sent to seven regional distributors. Bids were publicly opened at 11:00 am on December 29, 2009. Listed below is a tabulation of the bids received:

Bids Received for two (2) 121 kV Circuit Breakers

<u>Bidder</u>	<u>Exceptions</u>	<u>Bid Price</u>
HVB AE Power Systems, Inc.	No	\$108,070.00
Siemens c/o Energy Solutions	Noted	\$112,778.00
Areva T & D, Inc.	Noted	\$114,597.00
Mitsubishi Electric Power Products, Inc.	No	\$139,207.00

Bids Received for two (2) 15.5 kV Bus Circuit Breakers

<u>Bidder</u>	<u>Exceptions</u>	<u>Bid Price</u>
Areva T & D, Inc.	Noted	\$80,357.00
Siemens c/o Energy Solutions	Noted	\$82,390.00
Mitsubishi Electric Power Products, Inc.	No	\$90,926.46

Bids Received for five (5) 15.5 kV Distribution Circuit Breakers

<u>Bidder</u>	<u>Exceptions</u>	<u>Bid Price</u>
Siemens c/o Energy Solutions	Noted	\$74,241.95
Areva T & D, Inc.	Noted	\$88,275.00
Mitsubishi Electric Power Products, Inc.	No	\$113,045.50

All prices have been adjusted to include sales tax.

The specifications included provisions allowing award of each breaker type separately to the lowest bidder for each type. All bids were evaluated by city personnel.

The lowest bid submitted for two (2) 121 kV Circuit Breakers by HVB AE Power Systems, Inc. meets all specifications. References contacted indicated a positive experience.

The lowest bid submitted for two (2) 15.5 kV Bus Circuit Breakers by Areva T & D, Inc. included noted exceptions that were primarily clarifications with no impact on the

acceptability of the product. Grand Island Utilities has prior satisfactory experience with Areva T & D, Inc. and therefore, no references were contacted.

The lowest bid submitted for five (5) 15.5 kV Distribution Circuit Breakers by Siemens c/o Energy Solutions included noted exceptions that were primarily clarifications with no impact on the acceptability of the product. Grand Island Utilities has prior satisfactory experience with Siemens and therefore, no references were contacted.

The low bid for each of the circuit breaker types is evaluated as compliant with the specifications.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to a future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve the purchase of two (2) 121 kV circuit breakers from HVB AE Power Systems, Inc. for \$108,070, two (2) 15.5 kV bus circuit breakers from Areva T & D, Inc. for \$80,357 and five (5) 15.5 kV distribution circuit breakers from Siemens c/o Energy Solutions for \$74,241.95, for a total of \$262,668.95.

Sample Motion

Move to approve award of Electrical Circuit Breakers Contract #10-PCC-09 to the low evaluated bidder for each type of circuit breaker: two (2) 121 kV circuit breakers to HVB AE Power Systems, Inc. in the amount of \$108,070; two (2) 15.5 kV bus circuit breakers to Areva T & D, Inc. in the amount of \$80,357; and five (5) 15.5 kV distribution circuit breakers to Siemens c/o Energy Solutions in the amount of \$74,241.95.

Purchasing Division of Legal Department
INTEROFFICE MEMORANDUM



Wes Nespor, Purchasing Agent

*Working Together for a
Better Tomorrow, Today*

BID OPENING

BID OPENING DATE: December 29, 2009 at 11:00 a.m.

FOR: Electrical Circuit Breakers, Contract #10-PCC-01

DEPARTMENT: Utilities

ESTIMATE: \$255,000.00

FUND/ACCOUNT: 520

PUBLICATION DATE: December 8, 2009

NO. POTENTIAL BIDDERS: 7

SUMMARY

Bidder:	<u>Areva T & D, Inc.</u>	<u>Areva T & D, Inc.</u>
	Charleroi, PA	Houston, TX
Bid Security:	Liberty Mutual Ins. Co.	Liberty Mutual Ins. Co.
Exceptions:	Noted	Noted
Bid Price:		
(2) 121KV:	\$107,100.00	No Bid
(2) 15.5KV:	\$ 75,100.00	No Bid
(5) 15.5KV:	No Bid	\$82,500.00
Bidder:	<u>Mitsubishi Electric Power Products, Inc.</u>	<u>HVB AE Power Systems, Inc.</u>
	Warrendale, PA	Suwanee, GA
Bid Security:	Fidelity and Deposit Co.	\$5,050.00
Exceptions:	None	None
Bid Price:		
(2) 121KV:	\$130,100.00	\$101,000.00
(2) 15.5KV:	\$ 84,978.00	No Bid
(5) 15.5KV:	\$105,650.00	No Bid

Bidder: Siemens c/o Energy Solutions
Bid Security: Omaha, NE
Exceptions: Federal Insurance Co.
Noted

Bid Price:
(2) 121KV: \$105,400.00
(2) 15.5KV: \$ 77,000.00
(5) 15.5KV: \$ 69,385.00

cc: Gary Mader, Utilities Director
Dale Shotkoski, City Attorney
Jeff Pederson, City Administrator
Travis Burdett, Assist. Utilities Director

Bob Smith, Assist. Utilities Director
Wes Nespor, Purchasing Agent
Pat Gericke, Utilities Admin. Assist.

P1388

RESOLUTION 2010-6

WHEREAS, in 2006, Advantage Engineering was contracted to perform a Transmission and Substation System Study for the City of Grand Island Utilities Department (GIUD); and

WHEREAS, the system study recommended the expansion of GIUD's transmission system to serve load growth and assure reliability; and

WHEREAS, one of the system improvements identified in the Transmission and Substation System Study was the need for an additional Substation to be located in the southern portion of the City near the Industrial Park; and

WHEREAS, one of the first steps to determine detailed foundation design information needed in construction specification is the purchase of the required circuit breakers; and

WHEREAS; three classes of circuit breakers are required for this substation including two (2) 121 kV breakers, two (2) 15.5 kV bus breakers and five (5) 15.5 kV distribution breakers; and

WHEREAS, the request for bids was advertised in accordance with the City Procurement Code, and publicly opened at 11:00 a.m. on December 29, 2009; and

WHEREAS, the specification included provisions allowing award of each breaker type separately to the lowest bidder for each type; and

WHEREAS, the lowest bid submitted for two (2) 121 kV circuit breakers was from HVB AE Power Systems, Inc., of Suwanee, GA in the amount of \$108,070.00; and the lowest bid submitted for two (2) 15.5kV bus circuit breakers was from Areva T & D, Inc., of Charleroi, PA, in the amount of \$80,357.00 and the lowest bid for five (5) 15.5 kV distribution circuit breakers was from Siemens (c/o Energy Solutions), of Omaha, NE, in the amount of \$74,241.95.

WHEREAS, the combined total of the lowest bids from the above listed three companies represents the lowest responsible bid for said project.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that:

1. The bid of HVB AE Power Systems, Inc., of Suwanee, GA, for two (2) 121 kV circuit breakers in the amount of \$108,070.00 is hereby approved as the lowest responsive bid submitted for the 121 kV circuit breakers.

2. The bid of Areva T & D, Inc., of Charleroi, PA, for two (2) 15.5 kV bus circuit breakers in the amount of \$80,357.00 is hereby approved as the lowest responsive bid submitted for the 15.5 kV bus circuit breakers.

Approved as to Form	☐ _____
January 7, 2010	☐ City Attorney

. 3. The bid of Siemens (c/o Energy Solutions), of Omaha, NE, for five (5) 15.5 kV distribution circuit breakers in the amount of \$74,241.95 is hereby approved as the lowest responsive bid submitted for the 15.5 kV distribution circuit breakers.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, January 12, 2010.

Peg Gilbert, Council President

Attest:

RaNae Edwards, City Clerk