



# City of Grand Island

Tuesday, July 08, 2003  
Special Mtg/Council Session

## Item G20

### **#2003-200- Approving Bid Award for Cooling Tower Fan Motor Control Equipment - Platte Generating Station - Utilities Department**

#### *Background:*

*The current cooling tower fan motor switchgear at the Platte Generating Station was originally purchased in 1977. The switchgear controls the operation of the fan motors, allows operation at two fan speeds, and also allows reverse fan operation. The performance of this switchgear has been marginal since installation, with recurrent relay failures due to unknown overload conditions. Over the years, a number of modifications, including soft-start controls, have been tried, but failures still occur. The plant staff has recommended replacing the existing switchgear with an electronic system. The electronic system does not use mechanical contacts or relays and allows variable speed operation of the fans, which will improve plant efficiency at reduced plant loads and non-summer ambient conditions. The scheduled outage to inspect the boiler this fall allows an opportunity to replace the system in a planned manner. Specifications were developed for replacing the cooling tower fan motor switchgear with variable frequency drives (VFD's) by our consultant for this project, Black & Veatch. The specifications were issued in accordance with City purchasing procedures.*

#### *Discussion:*

*The specifications for cooling tower fan VFD's were issued for bid and responses were received from the following bidders. The engineer's estimate for this project was \$165,000.*

*Bidder - 1)Crescent Electric, Grand Island - Bid Price:\$121,285.40 - Adjusted Bid Price: Non-compliant 2)Hupp Electric, Cedar Rapids, IA - Bid Price: \$133,409 - Adjusted Bid Price: \$133,409 3)Kriz-Davis, Grand Island, NE - Bid Price: \$123,435 - Adjusted Bid Price: \$143,541 and 4)Northwest Electric, Columbus, NE - Bid Price: \$291,400 - Adjusted Bid Price: \$291,400.*

*City staff and B&V reviewed the bids for compliance with the City's detailed specifications. The bid from Crescent did not include necessary engineering information requested in the specifications, they took exception to all of the City terms and conditions, and they did not respond to subsequent requests for information, therefore, their bid was determined to be non-compliant. The base bid from Kriz-Davis did not include a spare VFD or instruction manuals, and was adjusted using unit prices provided in their bid. The other bids did not require any adjustments and were compliant with the specifications*

#### *Recommendation:*

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*It is the recommendation of the Utilities Department that the contract be awarded to the lowest compliant bidder, Hupp Electric, in the amount of \$133,409.*

***Fiscal Effects:***

*Expenditure of \$133,409 from Electric Enterprise Fund 520.*

***Alternatives:***

*None recommended. See attached RESOLUTION.*

Staff Contact: Gary Mader, Dale Shotkoski

*Purchasing Division of Legal Department*  
**INTEROFFICE MEMORANDUM**



Dale M. Shotkoski, Assistant City Attorney

*Working Together for a  
Better Tomorrow, Today*

**BID OPENING**

**BID OPENING DATE:** June 19, 2003 at 11:15 a.m.

**FOR:** Motor Control Equipment

**DEPARTMENT:** Utilities - PGS

**ENGINEER'S ESTIMATE:** \$170,000.00

**FUND/ACCOUNT:** E520

**PUBLICATION DATE:** June 6, 2003

**NO. POTENTIAL BIDDERS:** 6

**SUMMARY**

<b>Bidder:</b>	<u>Crescent Electric</u> Grand Island, NE	<u>Kriz-Davis Co.</u> Grand Island, NE
<b>Bid Security:</b>	American Institute of Architects	St. Paul Fire & Marine Ins.
<b>Exceptions:</b>	Noted	Noted
<b>Bid Price:</b>	<u>\$121,285.40</u>	<u>\$123,435.00</u>
<b>Bidder:</b>	<u>Northwest Electric, Inc.</u> Columbus, NE	<u>Hupp Electric Motors</u> Cedar Rapids, IA
<b>Bid Security:</b>	\$14,570.00	\$6,675.00
<b>Exceptions:</b>	Noted	Noted
<b>Bid Price:</b>	<u>\$291,400.00</u>	<u>\$133,409.00</u>

cc: Gary Mader, Utilities Director  
Tim Luchsinger, Assistant Utilities Director

Dale Shotkoski, Purchasing Agent  
Laura Berthelsen, Legal Assistant

**P838**

RESOLUTION 2003-200

WHEREAS, the City of Grand Island invited sealed bids for Motor Control Equipment, according to plans and specifications on file with the Purchasing Division of the Legal Department; and

WHEREAS, on June 19, 2003, bids were received, opened and reviewed; and

WHEREAS, Hupp Electric of Cedar Rapids, Iowa, submitted a bid in accordance with the terms of the advertisement of bids and plans and specifications and all other statutory requirements contained therein, such bid being in the amount of \$133,409; and

WHEREAS, Hupp Electric's bid is less than the engineer's estimate for such project.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the bid of Hupp Electric of Cedar Rapids, Iowa, in the amount of \$133,409 for Motor Control Equipment is hereby approved as the lowest responsible bid.

BE IT FURTHER RESOLVED, that a contract for such project between the City and such contractor be entered into, and the Mayor is hereby authorized and directed to execute such contract on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, July 8, 2003.

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RaNae Edwards, City Clerk