



# City of Grand Island

Tuesday, February 26, 2002

Council Session

## Item G13

### #2002-55 - Approving Bid Award - 15.5kV, 2000 A. Outdoor Circuit Breakers

*The City's electric system contains eight major electrical substations. Each substation has a number of circuit breakers used primarily for distribution feeder circuits and also for generator connection for the older generating units.*

*The oldest of these substations is located at the Burdick Power Plant and is referred to as the Groff Street Substation. It was built in the mid 50's. The type of circuit breaker used at the Groff Street Substation is no longer manufactured. The breakers there have been kept in operation by scavenging parts from other old breakers.*

*The upgrade of this substation is included in the '01 - '02 Electric Budget. Funds are budgeted for purchase of thirteen 15,500 volt, 2,000 amp circuit breakers for the Groff Street Substation; to replace equipment dating back to 1956, provide for protective relaying and metering, reduce the oil spill hazard (the old breakers contain over 1500 gallons of oil), and to add a breaker for start up power for the new generators being built at Burdick Station.*

*The purchase of substation circuit breakers was advertised in accordance with City procurement requirements. Specifications were sent to three regional distributors and four local distributors. Bids were publicly opened at 11:00 a.m. on February 5, 2002. Six bids were received.*

*Bidder - Exceptions - Evaluated Bid Price  
Manufacturer & Product Notes*

*FKI Tripping & Closing DC currents \$222,176.00  
Midwest City, OK exceed the specifications of 12  
Horizon 33kV Outdoor Circuit Breaker Amp DC. Only offers C200 class  
%CTs; C400 Speci*

*Crescent Electric Only offers one CT per bushing. \$255,274.50  
Lincoln, NE Specifications require two CTs  
GE 15.5kV, 2000A, 40 KAIC 110kV BIL per bushing.*

*Kriz-Davis The bushing strike distance is \$370,077.80  
Grand Island, NE less than specified. Ten full  
Square D 15kV, 2000A, 110kV BIL, 31.5 fault interruption.*



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**WESCO          None    \$370,851.60**  
**Grand Island, NE**  
**ABB 15kV, 2000A, 40 KAIC, 110kV BIL**

**Energy Solutions, Inc.    Breaker can't be slow closed so    \$413,400.00**  
**Omaha, NE    no slow close tool will be supplied.**  
**Siemens 15.5kV, 2000A, 110kV BIL, 31.5**

**Kriz-Davis    The bushing strike distance is    \$421,860.92**  
**Grand Island, NE    11.12 inches. Specs**  
**Square D 25kV, 2000A, 150kV BIL, 31.5    require a minimum of 12 inches.**

**% CT – Current transformers, used for instrumentation, control, and protective relaying.**

**The lowest compliant bid is from Wesco, of Grand Island, for ABB Type V Vacuum Circuit Breakers, with no exceptions to the specifications. Wesco's bid of \$370,851.60 is below the Engineer's estimate of \$510,000. Funds are budgeted from Electric Fund 520. See attached RESOLUTION.**

**Staff Contact: Gary R. Mader;Dale Shotkoski**

RESOLUTION 2002-55

WHEREAS, the City of Grand Island invited sealed bids for Thirteen (13) 15.5kV, 2000 A. Outdoor Circuit Breakers for the Utilities Department, according to plans and specifications on file with the Purchasing Division of the Legal Department; and

WHEREAS, on February 5, 2002, bids were received, opened and reviewed; and

WHEREAS, Wesco of Grand Island, Nebraska, 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 evaluated amount of \$370,851.60 for ABB Type V Vacuum Circuit Breakers; and

WHEREAS, Wesco's bid is less than the engineer's estimate for such circuit breakers.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the evaluated bid of Wesco of Grand Island, Nebraska, in the amount of \$370,851.60 for ABB Type V Vacuum Circuit Breakers is hereby approved as the lowest responsive 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 on February 26, 2002.

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RaNae Edwards, City Clerk

Approved	as	to	Form
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February 23, 2002	*	City Attorney	