



# City of Grand Island

Tuesday, January 10, 2012

Council Session

## Item G3

**#2012-1 - Approving Bid Award - Distributed Control System  
Console Upgrade at Platte Generating Station**

Staff Contact: Tim Luchsinger

# Council Agenda Memo

**From:** Tim Luchsinger, Utilities Director  
Jason Eley, Assistant City Attorney/Purchasing

**Meeting:** January 10, 2012

**Subject:** Distributed Control System Console Upgrade – Platte  
Generating Station

**Item #'s:** G-3

**Presenter(s):** Tim Luchsinger, Utilities Director

## Background

The Distributed Control System (DCS) at the Platte Generating Station is used for control and to monitor plant equipment and operations and includes six Operator Interface Computers (OIC) in the main plant control console. The OICs are the means for the plant operators to perform control and monitoring functions through the DCS and are part of the original system installed in 1995. They utilize 1990s proprietary operating systems, processors, display monitors and keyboards, have been in constant operation for fifteen years, and are having reliability issues. Components for this vintage of systems are no longer available or supported. Replacement OIC systems now use standard open-architecture operating systems and hardware which allow increased flexibility and various control subsystems to be incorporated into the DCS instead of separate computer systems. To maintain a high level of reliability in plant operation, plant staff developed specifications for replacement DCS Operator Interface Computers.

## Discussion

The specifications for the Distributed Control System Console Upgrade were issued for bids and responses were received from the following bidders. The engineer's estimate for this project was \$250,000.00.

Bidder	Bid Price, w/tax
ABB, Wickliffe, OH	\$197,843.50
Honeywell, Phoenix, AZ	\$390,452.00
Emerson, Pittsburgh, PA	\$299,453.00

The bids were reviewed for conformance with the specifications and found to be compliant except as noted as follows. The bids did not include taxes and therefore taxes on materials and engineering have been included in the above bid price. Honeywell listed an exception to the bid to not provide a separate line item bid for the computers, as they are configured specifically for Honeywell. Emerson listed exceptions that did not include a service agreement. Plant staff found the bids to be otherwise compliant and recommends award of the Distributed Control System Console Upgrade contract to ABB as the low compliant bid.

### **Alternatives**

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

1. Make a motion to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue presented in this motion

### **Recommendation**

The Utilities Department recommends that the Council award the contract to ABB of Wickliffe, Ohio, as the low responsive bidder, in the amount of \$197,843.50.

### **Sample Motion**

Move to approve the bid of \$197,843.50 from ABB for the Distributed Control System Console Upgrade for Platte Generating Station.



PGS Control Console



Operator Interface Computer (OIC)



Jason Eley, Purchasing Agent

*Working Together for a  
Better Tomorrow, Today*

**BID OPENING**

**BID OPENING DATE:** December 15, 2011 at 2:00 p.m.  
**FOR:** Distributed Control System Console Upgrade - PGS  
**DEPARTMENT:** Utilities  
**ESTIMATE:** \$250,000.00  
**FUND/ACCOUNT:** 520  
**PUBLICATION DATE:** December 1, 2011  
**NO. POTENTIAL BIDDERS:** 3

**SUMMARY**

<b>Bidder:</b>	<u>Honeywell Process Solutions</u> Phoenix, AZ	<u>ABB, Inc</u> Wickliffe, OH
<b>Bid Security:</b>	Federal Insurance Company	Liberty Mutual Insurance Company
<b>Exceptions:</b>	Noted	Noted

<b>Bid Price:</b>		
<b>Material:</b>	\$183,387.00	\$ 45,000
<b>Labor:</b>	\$193,065.00	\$107,750.50
<b>Sales Tax:</b>	\$ 14,000.00	<u>-0-</u>
<b>Total Bid:</b>	\$390,452.00	\$152,750.00

<b>Option 1:</b>	N/A	\$33,750.00
<b>Option 2:</b>	\$29,703.00	\$19,830.00

<b>Bidder:</b>	<u>Emerson Power and Water Solutions</u> Pittsburgh, PA
<b>Bid Security:</b>	Travelers Casualty and Surety Co.
<b>Exceptions:</b>	Noted

<b>Bid Price:</b>	
<b>Material:</b>	\$148,468.00

**Labor:** \$150,985.00  
**Sales Tax:** -0-  
**Total Bid:** \$299,453.00

**Option 1:** N/A  
**Option 2:** N/A

cc: Tim Luchsinger, Utilities Director  
Jason Eley, Purchasing Agent  
Mary Lou Brown, City Administrator  
Lynn Mayhew, Utilities Engineer

Bob Smith, Assist. Utilities Director  
Pat Gericke, Utilities Admin. Assist.  
Karen Nagel, Utilities Secretary

**P1527**

RESOLUTION 2012-1

WHEREAS, the City of Grand Island invited sealed bids for Distributed Control System Console Upgrade at the Platte Generating Station, according to plans and specifications on file with the Utilities Department; and

WHEREAS, on December 15, 2011, bids were received, opened and reviewed; and

WHEREAS, ABB, Inc., of Wickliffe, Ohio, 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 \$197,843.50; and

WHEREAS, the bid of ABB, Inc., is less than the estimate for the Distributed Control System Console Upgrade at Platte Generating Station.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the bid of ABB, Inc., in the amount of \$197,843.50 for Distributed Control System Console Upgrade at the Platte Generating Station is hereby approved as the lowest responsible bid.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, January 10, 2012.

\_\_\_\_\_  
Jay Vavricek, Mayor

Attest:

\_\_\_\_\_  
RaNae Edwards, City Clerk

Approved as to Form	☐ _____
January 6, 2012	☐ City Attorney