



City of Grand Island

Tuesday, February 25, 2014

Council Session

Item G-7

#2014-30 - Approving Bid Award - Mark V HMI Upgrades at Platte Generating Station, Fall of 2014

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

From: Timothy G. Luchsinger, Utilities Director
Stacy Nonhof, Assistant City Attorney

Meeting Date: February 25, 2014

Subject: Mark V HMI Upgrades - Fall 2014

Item #'s: G-7

Presenter(s): Timothy G. Luchsinger, Utilities Director

Background

The Platte Generating Station utilizes a GE Mark V Turbine Control System to control and monitor the turbine. Plant staff interacts with this system using two computers running GE Cimplicity software and Windows NT operating systems, which is no longer being supported by the vendors. Burdick Station also utilizes GE Mark V Turbine Control Systems for the Human Machine Interfaces (HMI) on the gas turbines, which are identical software and computers to those found at Platte Generating Station. As the computers on the turbine control systems are critical to unit operation, it is essential to modernize the existing software and computers. The specifications included upgrading all four computers and software currently in service.

Discussion

The specifications for the Mark V HMI Upgrades - Fall 2014 were advertised and issued for bid in accordance with the City Purchasing Code. Bids were publicly opened on February 6, 2014. The engineer's estimate for this project was \$150,000.

Bidder	Bid Price	Adjustment	Bid Price
CSE Engineering, Inc.	\$ 119,544.68	- \$ 490.00 (taxes)	\$ 119,054.68
CSE Engineering, Inc. (Option 1)	\$ 125,745.33	- \$ 546.00 (taxes)	\$ 125,199.33
GE Energy Control Solutions, Inc.	\$ 150,934.00	+ \$ 00.27 (taxes)	\$ 150,934.27
HPI-LLC	\$ 377,047.00	- \$7,063.40 (taxes)	\$ 369,983.60

The bids were reviewed by plant engineering staff for conformance with the specifications. The bid from CSE Engineering, Inc., had noted exceptions which included proposing communication protocol that would not be compatible with existing drivers and would require additional cost to the City. Their bid also included a proposed network

between computers was found to be less reliable than the existing network. The concerns were addressed with the bidder and were determined to be non-compliant and unacceptable.

The bid from GE Energy Control Solutions, Inc. had no exceptions and is compliant with 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 future date
4. Take no action on the issue

Recommendation

City Administration recommends that Council award the Contract for Mark V HMI Upgrades - Fall 2014, to GE Energy Control Solutions of Longmont, Colorado, as the low responsive bidder, with the bid in the amount of \$150,934.27.

Sample Motion

Move to approve the bid in the amount of \$150,934.27 from GE Energy Control Solutions, Inc. for the Mark V HMI Upgrades - Fall 2014.



Stacy Nonhof, Purchasing Agent

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Better Tomorrow, Today*

BID OPENING

BID OPENING DATE: February 6, 2014 at 2:00 p.m.
FOR: Mark V HMI Upgrades – Fall 2014
DEPARTMENT: Utilities
ESTIMATE: \$150,000.00
FUND/ACCOUNT: 520
PUBLICATION DATE: January 17, 2014
NO. POTENTIAL BIDDERS: 2

SUMMARY

Bidder:	<u>CSE Engineering, Inc.</u> Concord, CA	<u>CSE Engineering, Inc.</u> Concord, CA		
Bid Security:	Cashier's Check	Cashier's Check		
Exceptions:	None	None		
Bid Price:	<u>Materials</u>	<u>Labor</u>	<u>Materials</u>	<u>Labor</u>
GT2 & GT3 HMI's:	\$68,632.00	\$3,500.00	\$109,719.00	\$7,800.00
PGS HMI's:	\$36,092.00	\$3,500.00	No Bid	No Bid
Sales Tax:	\$ 7,330.68	\$ 490.00	\$ 7,680.33	\$ 546.00
Total Bid:	\$119,544.68		\$125,745.33	

Bidder:	<u>General Electric</u> Longmont, COL	<u>HPI, LLC</u> Houston, TX		
Bid Security:	Travelers Casualty & Surety	Cashier's Check		
Exceptions:	None	Noted		
Bid Price:	<u>Materials</u>	<u>Labor</u>	<u>Materials</u>	<u>Labor</u>
GT2 & GT3 HMI's:	\$66,584.00	\$13,000.00	\$125,740.00	\$50,450.00
PGS HMI's:	\$50,177.00	\$13,000.00	\$125,740.00	\$50,450.00
Sales Tax:	\$ 8,173.00		\$ 17,604.00	\$ 7,063.00
Total Bid:	\$150,934.00		\$377,047.00	

cc: Tim Luchsinger, Utilities Director

Bob Smith, Assist. Utilities Director

Mary Lou Brown, City Administrator
Pat Gericke, Utilities Admin. Assist.
Ryan Schmitz, Production Engineer

Jaye Monter, Finance Director
Karen Nagel, Utilities Secretary

P1704

RESOLUTION 2014-30

WHEREAS, the City of Grand Island invited sealed bids for Mark V HMI Upgrades at Platte Generating Station, according to plans and specifications on file with the Utilities Department; and

WHEREAS, on February 6, 2014, bids were received, opened and reviewed; and

WHEREAS, GE Energy Control Solutions, Inc., of Longmont, Colorado, 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 \$150,934.27.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the bid of GE Energy Control Solutions in the amount of \$150,934.27, for Mark V HMI Upgrades at Platte Generating Station, is hereby approved as the lowest responsible bid.

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Adopted by the City Council of the City of Grand Island, Nebraska, February 25, 2014.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form ✕ _____
February 21, 2014 ✕ City Attorney