



City of Grand Island

Tuesday, August 13, 2019

Council Session

Item G-17

**#2019-240 - Approving Change Order #1 for the Burdick Station
Gas Turbine Control System**

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

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

Meeting Date: August 13, 2019

Subject: Change Order #1 – Burdick Generating Station Gas Turbine Control System

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

The Burdick Generating Station has three gas turbines which provide peaking and emergency power. These gas turbines have a computer control system which enables the gas turbine to be started and operated locally. The turbine controls on two gas turbines has a limited life span due to the manufacturer no longer supporting it with new parts. To maintain reliability and allow for operation of the gas turbines from the Platte Generating Station, Utility Engineers developed specifications to upgrade the turbine controls and allow for operation from Platte Generating Station.

The specification was issued for bid and the contract was awarded by Council to the low responsive bidder, ABB, Inc., of Cleveland, Ohio, for \$799,371.42 on October 23, 2018 per Resolution 2018-307.

Discussion

During the installation of the HMI software that communicates with the distributive control system, the existing computers were found to be not compatible with the newer software and were required to be upgraded. The change order also includes two new analog input cards that were being used from existing equipment that failed, and the purchase of two digital input cards that were needed for additional points. This work was beyond the original scope of work at an additional cost of \$38,089.74.

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 authorizing Change Order #1 with ABB, Inc., for the Burdick Generating Station Gas Turbine Control System for an addition to the contract price of \$ 38,089.74, for a total contract price of \$ 837,461.16.

Sample Motion

Move to approve Change Order #1 from ABB, Inc., in the amount of \$38,089.74 for the Burdick Generating Station Gas Turbine Control System.



Platte Generating Station
1035 W. Wildwood Drive
Grand Island, NE 68801
308/385-5468

Working Together for a
Better Tomorrow. Today.

TO: diana.pearson@us.abb.com
ABB Inc.
201B Ann Street
Oakmont, PA 15139
Diane Pearson

PROJECT: Burdick Station Gas Turbine Control System

You are hereby directed to make the following change in your contract:

1 Additional payment per the attached spreadsheet.

ADD: \$38,089.74

The original Contract Sum	<u>\$799,371.42</u>
Previous Change Order Amounts	<u>\$ -</u>
The Contract Sum is increased by this Change Order	<u>\$ 38,089.74</u>
The Contract Sum is decreased by this Change Order	<u>\$</u>
The total modified Contract Sum to date	<u>\$ 837,461.16</u>

Approval and acceptance of this Change Order acknowledges understanding and agreement that the cost and time adjustments included represent the complete values arising out of and/or incidental to the work described therein.

APPROVED: CITY OF GRAND ISLAND

By: _____

Date _____

Attest: _____

Approved as to Form, City Attorney

ACCEPTED: ABB Inc.

By:  _____

Date July 31, 2019

Dragan M. Pantic
Power Generation & Service
Operations Manager
ABB Industrial Automation

Burdick Station Gas Turbine Control System

Comments: Additional client computer station

Contract: C126944

\$799,371.42

<u>Change Order Request</u>	<u>Description</u>	<u>Amount</u>
001	Cabinets - Hammond enclosures - 24"	\$ 7,518.00
002	8VUS000221R0100 - Splus Quad Monitor T3420	\$ 25,513.74
003	DI02 - Splus Digital Input Module 120VAC/125VDC 16*1	\$ 5,058.00
004		
005		
006		
007		
008		
009		
010		
011		
012	***Includes all sales taxes***	
013		
014		
015		
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	Total	\$ 38,089.74

RESOLUTION 2019-240

WHEREAS, at the October 23, 2018 meeting, Council awarded the contract for Burdick Generating Station Gas Turbine Control System to ABB Inc., of Cleveland, Ohio, in the amount of \$799,371.42; and

WHEREAS, during the installation of the HMI software that communicates with the distributive control system, the existing computers were found to be not compatible with the newer software and were required to be upgraded; and

WHEREAS, two new analog input cards that were used from existing equipment failed, and the purchase of two digital input cards were needed for additional points; and

WHEREAS, this work was beyond the original base scope of work for an additional cost of \$38,089.74, for a total contract amount of \$837,461.16.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 in the amount of \$38,089.74, for the Burdick Station Gas Turbine Control System, is approved and the Mayor is hereby authorized to sign the Change Order on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, August 13, 2019.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
August 9, 2019	☐ City Attorney