



# City of Grand Island

Tuesday, April 14, 2015

Council Session

## Item G-15

**#2015-95 - Approving Change Order No. 1 with ABB, Inc. -  
Voltage Regulator Upgrades at Platte Generating Station**

Staff Contact: Tim Luchsinger, Stacy Nonhof

# **Council Agenda Memo**

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

**Meeting Date:** April 14, 2015

**Subject:** Change Order #1 - Voltage Regulator Upgrades –  
Spring Outage 2015 at Platte Generating Station

**Item #'s:** G-15

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

## **Background**

The Platte Generating Station utilizes an exciter that provides the DC excitation power necessary to induce a magnetic field on the generator's rotor; which in turn induces a voltage on the generator's stator coils to produce power. The exciter is, by design, the voltage regulator for the generator and is critical to plant operation. The existing exciter is powered by 30+ year old transformers and the manufacturer no longer guarantees readily available service or parts for the existing system, which creates a reliability issue.

The specification to replace the existing exciter and transformers was issued for bid and awarded to ABB, Inc., at the Council Meeting on August 12, 2014, in the amount of \$544,236.00.

## **Discussion**

As a part of the original bid, ABB provided pricing for recommended spare parts. Upon completion of for the new equipment training, plant staff and the contractor evaluated the spare parts list and determined what spare parts were required due to availability and lead times, which results in an additional cost of \$20,318.23 to the contract.

## **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 approval of Change Order #1 to the Voltage Regulator Upgrades - Spring Outage 2015 contract with ABB, Inc., in the amount of \$20,318.23, for a final contract cost of \$564,554.23.

### **Sample Motion**

Move to approve contract Change Order #1 to the Voltage Regulator Upgrades - Spring Outage 2015 contract with ABB, Inc., in the amount of \$20,318.23 for a final contract amount of \$564,554.23.

***Change Order #1***

**TO:** ABB Inc.  
10300 Henri-Bourassa Ouest/West  
Saint-Laurent, QC, Canada, H4S 1N6

**PROJECT:** Voltage Regulator Upgrade

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

- 1 Additional payment per the attached spreadsheet.

ADD:           \$20,318.23          

<b>The original Contract Sum</b>	<u>\$544,236.00</u>
<b>Previous Change Order Amounts</b>	<u>\$ -</u>
<b>The Contract Sum is increased by this Change Order</b>	<u>\$ 20,318.23</u>
<b>The Contract Sum is decreased by this Change Order</b>	<u>\$</u>
<b>The total modified Contract Sum to date</b>	<u>\$ 564,554.23</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 \_\_\_\_\_

**Contract: Voltage Regulator Upgrade**

**\$544,236.00**

Comments:

Spare parts were not decided upon at the time that the initial bid was accepted.

<u>Change Order Request</u>	<u>Description</u>	<u>Amount</u>
001-Material	Crowbar Firing Board	\$ 2,317.00
002	Combined Input/output Board	\$ 3,540.00
003	Overvoltage Protection	\$ 5,141.00
004	Fuses for Uns7905b V5150 Converter	\$ 75.00
005	SCR (Thyristor)	\$ 735.00
006	Gate driver interface	\$ 431.00
007	Measuring Board	\$ 2,504.00
008	ECT hardware dongle	\$ 3,705.00
009	Input coupling unit	\$ 541.00
010	Per Quotation - Recommended Spare Parts	
011		
012		
013		
014		
015		
016	Total (final) w/out tax	\$ <b>18,989.00</b>
017	Tax	\$ 1,329.23
018		
019		
020		
	Total	\$ 20,318.23

RESOLUTION 2015-95

WHEREAS, ABB, Inc., of St. Laurent, Quebec, Canada, was awarded the contract for Voltage Regulator Upgrade at Platte Generating Station, at the August 12, 2014 City Council meeting; and

WHEREAS, ABB recommends having spare parts on hand due to availability and lead time; and

WHEREAS, upon completion of training, plant staff and the contractor evaluated the spare parts list and determined what spare parts are necessary to keep onsite; and

WHEREAS, having the spare parts on hand is reasonable and necessary.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 with ABB, Inc., of St. Laurent, Quebec, Canada, resulting in an additional cost of \$20,318.23, for a final contract price of \$564,554.23, is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, April 14, 2015.

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Jeremy L. Jensen, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form	☐ _____
April 13, 2015	☐ City Attorney