

ITEM#: 22
DATE: 4-11-23
DEPT: ELEC

COUNCIL ACTION FORM

SUBJECT: POWER PLANT UNIT #7 BOILER REPAIR PROJECT - CONTRACT COMPLETION FOR HELFRICH BROTHERS BOILER WORKS, INC.

BACKGROUND

On October 23, 2018, the City Council approved plans and specifications for the Unit 7 Boiler Repair Project. This project included replacing boiler tubes, pendant tubes, reinsulating the steam and mud drums, and replacing the insulation and lagging on the boiler.

A contract was awarded on March 26, 2019, to Helfrich Brothers Boiler Works, Inc, of Lawrence, MA, in the amount of \$6,376,685. There were ten change orders to the contract. Change Orders #1-7 were increases to the contract amount, while Change Orders #8-10 were decreases to the contract amount:

Change Order #1: On May 14, 2019, was done to increase the purchase order by \$233,260 (inclusive of Iowa sales tax) to perform laser cladding of the alloy into the boiler tubes.

Change Order #2: On June 20, 2019, was done to increase the purchase order by \$22,951.50 (inclusive of Iowa sales tax) to perform Iris testing on 1380 generating bank tubes.

Change Order #3: On June 20, 2019, was done to increase the purchase order by \$18,931.40 (inclusive of Iowa sales tax) to install additional scaffolding to accommodate the ultrasonic testing.

Change Order #4: On July 15, 2019, was done to increase the purchase order by \$761,733 (inclusive of Iowa sales tax) to replace additional tubes found to be thin, not included in the original scope.

Change Order #5: On August 27, 2019, was done to increase the purchase order by \$458,027.41 (inclusive of Iowa sales tax) to supply and install replacement screen tubes, supply and install replacement seal trough and air seal, supply and install new over grate air plenum, and perform front water hanger modifications.

Change Order #6: On September 12, 2019, was done to increase the purchase order by \$48,304.08 (inclusive of Iowa sales tax) to perform extra work not included in the scope, including removing and replacing the existing refractory and removing and replacing the old penthouse floor casing.

Change Order #7: On October 22, 2019, was done to increase the purchase order by \$80,250 (inclusive of Iowa sales tax) to install the new dump grate.

Change Order #8: On October 31, 2019, was done to decrease the purchase order by \$3,698.99 (inclusive of Iowa sales tax) as a credit for portions of Change Order No. 4 not completed.

Change Order #9: On January 21, 2020, was done to decrease the purchase order by \$10,700 (inclusive of Iowa sales tax) as a reduction in the supply and installation of replacement seal trough and air seal in Change Order No. 5. The work was less than originally proposed.

Change Order #10: On March 2, 2020, was done to decrease the purchase order by \$4,661.77 (inclusive of Iowa sales tax) as a credit for the work of a third-party contractor to insulate and lag a downcomer on the boiler that was cut to provide access to the boiler.

Final expenditures to Helfrich Brothers Boiler Works, Inc of Lawrence, MA, are in the total amount of \$7,981,081.63 (inclusive of sales tax). **All the requirements of the contract have been met by Helfrich Brothers Boiler Works, Inc. and the Engineer has provided a certificate of completion.**

ALTERNATIVES:

1. Accept completion of the contract with Helfrich Brothers Boiler Works, Inc. of Lawrence, MA for the Unit 7 Boiler Repair Project and return the retainage to Helfrich.
2. Delay acceptance of this project.

CITY MANAGER'S RECOMMENDED ACTION:

The project has now been completed in accordance with the approved plans and specifications. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.