

**RESOLUTION
REGARDING
PURCHASE AND INSTALLATION OF A NEW
INSTRUMENT AIR COMPRESSOR AND
ASSOCIATED EQUIPMENT FOR THE
MID-CONNECTICUT POWER BLOCK FACILITY**

RESOLVED: That the President is hereby authorized to execute an agreement for the purchase and installation of a new instrument air compressor and associated equipment for the Mid-Connecticut Power Block Facility with Air Compressor Engineering Co., Inc., substantially as presented and discussed at this meeting.

CONTRACT SUMMARY
For Contract Entitled

**AGREEMENT FOR THE PURCHASE AND INSTALLATION
OF A NEW INSTRUMENT AIR COMPRESSOR
AND ASSOCIATED EQUIPMENT FOR THE
MID-CONNECTICUT POWER BLOCK FACILITY**

Presented to the CRRA Board:	January 27, 2011
Vendor/Contractor(s):	Air Compressor Engineering Co., Inc.
Effective Date:	Upon Execution
Term:	Upon CRRA's acceptance of the work; the work must be completed within 75 days of CRRA's issuance of the Notice to Proceed
Term Extensions:	N/A
Contract Type/Subject matter:	Equipment Replacement
Facility(ies)/Project(s) Affected:	Mid-Connecticut Power Block Facility
Original Contract:	N/A
Contract Dollar Value:	\$311,563.00
Amendment(s):	N/A
Scope of Services:	Furnish all labor, materials, supplies, tools, equipment and other facilities and necessary appurtenances or property for or incidental to purchase and install a new instrument air compressor and associated equipment.
Bid Security:	Bid Bond for 10% of the bid price submitted
Security:	Performance and Payment Bonds required
Budget Status:	The project will be funded from the EGF Reserve

PURCHASE AND INSTALLATION OF A NEW INSTRUMENT AIR COMPRESSOR AND ASSOCIATED EQUIPMENT FOR THE MID-CONNECTICUT POWER BLOCK FACILITY

January 27, 2011

Executive Summary

This is to request approval of the CRRA Board of Directors for the President to enter into an agreement with Air Compressor Engineering Co., Inc. (“ACE”), to furnish all labor, materials, supplies, tools, equipment and other facilities and necessary appurtenances or property for or incidental to the purchase and installation of a new instrument air compressor and associated equipment for the Mid-Connecticut Power Block Facility (“PBF”). The work must be completed within 75 days of CRRA’s issuance of the “Notice to Proceed.” The work is covered by Connecticut’s prevailing wage requirements.

Discussion

Many of the control valves and processes at the PBF are pneumatically actuated. Currently, there are two air compressors and associated equipment that provide the air flow and pressure necessary for the operation of these valves and processes. These compressors are located in the Electric Generating Facility and serve the PBF. Both of the air compressors are original equipment and both have suffered some deterioration in their capacity and efficiency; however, more importantly, additional pneumatically-actuated valves and processes have been added over the years to the extent that both air compressors must now be operated at capacity in order to supply the needed air flow and pressure. Not having adequate reserve and back-up on the air flow and pressure presents a level of risk that should be addressed. The purpose of this solicitation is to add a third air compressor and associated equipment, which will serve as the primary compressor to support facility needs, and relegate the two old compressors to serve as backup units so that we have adequate reserve and back-up on the air flow and pressure system.

CRRA developed a scope of work for the project. The work will involve, but not be limited to, the manufacture, assembly, delivery, pre-delivery testing and installation of the following:

- One 200-HP Rotary Screw ‘Oil Free’ Air Compressor;
- One Heat of Compression Air Dryer; and
- One 3800 gallon Vertical ASME Air Receiver.

The project was solicited through a public procurement process.

The project was advertised in the following publications on Sunday, November 21, 2010 (or as soon thereafter as possible):

Hartford Courant
Manchester Journal Inquirer
Waterbury Republican American
LaVoz Hispania de Connecticut
Northeast Minority News

The project was also posted on the CRRA and the State of Connecticut Department of Administrative Services (“DAS”) websites.

A mandatory pre-bid conference for the project was held on December 8, 2010 and was attended by nine prospective bidders.

Sealed public bids were received on December 22, 2010. Bids were received from four bidders, and are tabulated as follows:

Bidder	Bid Price
Air Compressor Engineering Co., Inc.	\$311,563
All State Construction, Inc.	\$411,770
IMEC, Inc.	\$368,950
West State Mechanical, Inc.	\$497,850

Recommendation

Based on the prices submitted by the bidders, CRRA management recommends that the work for purchase and installation of a new instrument air compressor and associated equipment at the PBF be awarded to ACE.

ACE previously performed almost identical work at the WPF for CRRA. CRRA staff was satisfied with the work ACE performed at the WPF and is satisfied that ACE is fully qualified to undertake the project.

Financial Summary

The project will be funded from the EGF Reserve Account. The FY 2011 capital budget contains \$700,000 for an upgrade to the control rack actuator for Turbine No. 6. This activity will not be undertaken this year. Instead, \$311,563 of the \$700,000 in funding initially budgeted for the turbine control rack actuator upgrade will be used for purchase and installation of the new instrument air compressor.