

Agenda Report

Date: March 16, 2009

TO: CITY COUNCIL

FROM: CITY MANAGER

SUBJECT: AUTHORIZATION TO ENTER INTO A PURCHASE ORDER CONTRACT WITH ADVANCED CONTROL SYSTEMS (ACS) FOR THE PURCHASE OF NINE SUPERVISORY CONTROL AND DATA ACQUISITION NETWORK TERMINAL UNITS

RECOMMENDATION:

It is recommended that City Council:

1. Find that the proposed project is exempt from environmental review pursuant to the guidelines of the California Environmental Quality Act (Public Resources Code §21080(b)(9), Administrative Code, Title 14, Chapter 3, Class 2 §15302 (c), Replacement or Reconstruction, as the projects is the replacement of existing utility systems and/or facilities involving negligible or no expansion of capacity; and
2. Accept the bid dated January 26, 2009 submitted by Advanced Control Systems, in response to Specifications LD-08-12, and authorize the City Manager to enter into a Purchase Order Contract with Advanced Control Systems for nine network terminal units at a cost not to exceed \$100,000.

BACKGROUND:

The Pasadena Water & Power Department's (PWP) Supervisory Control and Data Acquisition (SCADA) system provides Power Dispatchers with remote control of critical system components and collects real time data from the system for monitoring and analysis.

To continue providing adequate SCADA functionality the system must be upgraded. This functionality is essential for safe operation, fast customer service response time, minimized outage time, and data collection for capital planning and design. The proposed upgrades include:

1. Thirteen Network Terminal Units (NTUs) to replace obsolete Remote Terminal Units (RTUs). (Nine will be replaced through this contract, with an additional four to be replaced in FY10)
2. Installation of two Linux based Servers to replace two older Unix based servers.

The proposed upgrades will create a SCADA network that meets current industry operating standards. They will eliminate a number of operational issues associated with limitations inherent in the original design.

The nine NTUs the department proposes to replace at this time have identical design specifications, and will be installed in the Distribution Substations. The remaining four NTUs to be installed in Receiving Stations and Generating Plant, require different and more complex design specifications. The project plan is to specify, purchase and install those four additional NTUs on a separate Contract.

On January 1, 2009, a Notice Inviting Bids to Furnish and Deliver SCADA NTUs was published in the Pasadena Star News and posted on the City's web page. In addition, the specification was mailed directly to a number of local suppliers of this equipment. One bid was received and opened on January 28, 2009. As the only responsive bidder to meet all the requirements of the specifications, Advanced Control Systems is recommended to receive the contract award for an amount not to exceed \$100,000 as follows:

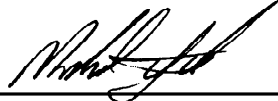
Base Bid	\$88,425.00
Estimated Taxes	7,295.06
Estimated Shipping & Handling	225.00
4.2% Contingency	4,054.94
Total Contract	\$100,000.00

The proposed contract complies with the Competitive Bidding and Purchasing Ordinance P.M.C. 4.08 and the rules and regulations promulgated there under.

FISCAL IMPACT:

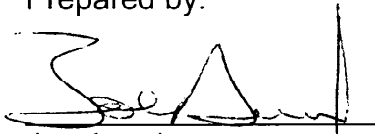
Sufficient funds are available in the Power Fund 411, Capital Improvement Program Budget #3073, Supervisory Control and Data Acquisition System Expansion.

Respectfully submitted,



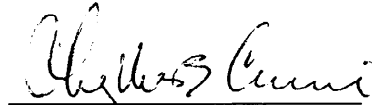
MICHAEL J. BECK
City Manager

Prepared by:



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Phyllis E. Currie
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