

Agenda Report

Date: November 07, 2005

To: City Council

From: City Manager

Subject: AUTHORIZATION TO ENTER INTO PURCHASE ORDER CONTRACTS WITH ADVANCED CONTROL SYSTEMS TO UPGRADE EXISTING SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM FOR AN AMOUNT OF \$98,597 AND TO PROVIDE SUPPORT SERVICES FOR FIVE YEARS FOR AN AMOUNT NOT TO EXCEED \$250,000

RECOMMENDATION:

It is recommended that the City Council:

1. Authorize the issuance of a purchase order contract to Advanced Control Systems (ACS) not to exceed \$98,597.00 for upgrade of the existing SCADA system
2. Authorize the issuance of a second purchase order to ACS not to exceed \$250,000.00 for engineering and operating support services for the period January 01, 2006 to December 31, 2010
3. Grant an exemption from competitive bidding pursuant to City Charter § 1002(F) contract for professional and unique services.

BACKGROUND:

Pasadena Water and Power (PWP) selected ACS for the design and implementation of a Supervisory Control and Data Acquisition (SCADA) system following a Request for Proposal in 1998, and City Council authorized the contract on February 22, 1999. SCADA, an application implemented in 1999, provides power dispatchers real time data for monitoring voltages, power flows, breaker status, and other key data on the electric distribution system. New SCADA software is now necessary to replace the existing software that will no longer be supported past December 2005. It will also provide additional and enhanced SCADA functionality such as alarm management, area generation controls and improved operator and programmer interface. The replacement software will require an upgrade of the existing servers and workstations. This upgrade will result in improved processing capability and efficiency.

The SCADA system upgrade will cost \$98,597.00 and will consist of the new software, new servers, workstations, backup communication hardware, and on-site engineering services. A contingency of \$11,957.00 has been added to the upgrade cost quoted by ACS to cover any unforeseen expenses.

Since the existing engineering and software support services agreement with ACS expires on December 31, 2005, a new agreement for such services is needed to maintain and to continuously run the system reliably for the period January 01, 2006 to December 31, 2010. These support services are estimated to cost \$50,000 per year or a total of \$250,000 in addition to the upgrade cost.

ACS is the only vendor who is qualified to maintain, upgrade and support the SCADA equipment PWP purchased in 1999. PWP has been satisfied with the SCADA application and support services provided by ACS.

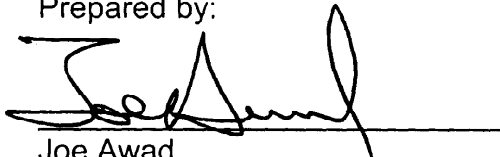
FISCAL IMPACT:

Funding for the upgrade is available from the Light and Power Fund 411 Capital Improvement Program under Budget # 3073, Project Job Order 22642 for the "Supervisory Control and Data Acquisition System Expansion." Funding for support services is available in Power Fund 401, 843120, acct 8114 for the first year's service. Sufficient funding will be requested in future operating budgets to cover the annual cost of the service agreements.

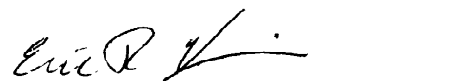
Respectfully Submitted,


CYNTHIA J. KURTZ
City Manager

Prepared by:


Joe Awad
Business Unit Director
Power Delivery Engineering

Approved by:


Phyllis E. Currie
General Manager
Pasadena Water and Power