

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To: Matthew J. Fertal
Dept.: City Manager
Subject: AUTHORIZE ISSUANCE OF A PURCHASE ORDER TO ACS ENGINEERING, INC. FOR EQUIPMENT TO UPGRADE THE CITY'S SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM

From: William E. Murray
Dept.: Public Works
Date: August 27, 2013

OBJECTIVE

To request City Council approval to issue a purchase order to ACS Engineering, Inc. for the purchase of equipment to upgrade the Water Services Supervisory Control and Data Acquisition (SCADA) System.

BACKGROUND

The Water Services Division utilizes a SCADA system to remotely control and monitor the City's water distribution system. The SCADA system consists of computer systems located at each water production facility, enabling communication across telephone lines to a central location where operations staff can monitor and implement changes via a computer. In 2010 Black and Veatch Corporation was hired to evaluate the SCADA system and provide a SCADA Master Plan. The plan evaluated current communications media, identifying outdated equipment and software. The plan also identified where additional equipment would enhance accessibility for management and operations staff for the purposes of monitoring and implementing operational changes during water related emergencies or to meet demands on the distribution system. The SCADA Master Plan's recommendations were divided into 4 phases. Phase 1 consists of implementing Client Server Architecture for the SCADA system. This architecture is the SCADA system's platform for communication between each water production facility and Water Services offices at the Municipal Service Center. The installation of computers and Ethernet switches at City Hall and Public Works offices is required to complete Phase 1.

ANALYSIS

On June 14, 2013, and again on June 21, 2013, staff advertised Bid No. S-S- 1118 to solicit bids for the purchase of the necessary equipment to begin Phase 1. There were 15 prospective bidders for this project. One (1) bid was received and opened by the City Clerk's Office on July 16, 2013. The sole bidder is ACS Engineering,

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Inc., with a total bid of \$44,875.59. This bid is within the current project budget and was found to be responsive.

FINANCIAL IMPACT

There is no impact to the General Fund. This project is included in the 2013-14 Capital Improvement Budget and will be financed with Water Funds.


RECOMMENDATION

It is recommended that the City Council:

- Authorize the Finance Director to issue a purchase order to ACS Engineering, Inc. in the amount of \$44,875.59 for the purchase of equipment to upgrade the Water Services Supervisory Control and Data Acquisition System (SCADA).




WILLIAM E. MURRAY, P.E.
Public Works Director/City Engineer



By: Robert Bermudez
Water Production Supervisor

Attachment: Finance Department memo

Recommended for Approval



Matthew Fertal
City Manager

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To: Bill Murray
 Dept: Public Works
 Subject: Bid No. S- S-1118 to Provide new equipment to upgrade the SCADA System.

From: Kingsley Okereke
 Dept: Finance
 Date: August 12, 2013

OBJECTIVE

Provide bid analysis, evaluation results, and recommendation for IFB No. S-1118 to provide new equipment to upgrade the SCADA System.

ANALYSIS

IFB No. S-1118 was advertised on June 14, 2013 and re-advertised on June 21, 2013. The bid document was posted on the City's website on June 14, 2013, via the Planet Bids on-line bidding system. There were 15 prospective bidders for this project.

EVALUATION

One (1) bids was received and opened on July 16, 2013. Bid results are as follows:

COMPANY	TOTAL COST
ACS Engineering, Inc.,	\$44,875.59

The bid was found to be responsive.

RECOMMENDATION

It is recommended that the Public Works Department seek City Council approval to:

- Award a purchase order to ACS Engineering, Inc., in the firm fixed amount of \$44,875.59.
- Authorize the City Manager to execute the agreement.

If you have questions, please contact Sandra Segawa at Ext. 5050.

KINGSLEY OKEREKE
 Finance Director

By: Sandra Segawa, C.P.M., CPPB
 Purchasing Agent