

Agenda Report

TO: CITY COUNCIL **DATE:** May 9, 2005

FROM: CITY MANAGER

SUBJECT: CONTRACT AWARD TO AC ENERGY TO FURNISH, DELIVER, AND INSTALL A CARBON MONOXIDE GAS DETECTION SYSTEM AND VENTILATION FAN CONTROLLER AT THE PASEO COLORADO SUBTERRANEAN GARAGE

RECOMMENDATION

It is recommended that the City Council:

- 1) Accept the bid dated April 5, 2005, submitted by AC Energy Systems, Inc., in response to specifications to furnish, deliver, and install a Carbon Monoxide gas detection system and ventilation fan controller at the Paseo Colorado Subterranean Garage;
- 2) Reject all other bids; and
- 3) Authorize the City Manager to enter into a contract with AC Energy Systems, Inc. in an amount not to exceed \$175,000, which includes the base bid of \$158,422 and \$16,578 for any work the City may order pursuant to the project specifications.

BACKGROUND

The State Division of Occupational Safety and Health through its CAL/OSHA program sets parameters for acceptable levels of Carbon Monoxide (CO) gas in an atmosphere. These levels are not to exceed fifty parts per million (ppm) as an eight hour weighted average and are not to exceed one hundred ppm at any

time. CO levels exceeding these parameters require the evacuation of all personnel from the area.

Monitoring of the level of CO gas concentration can be done by having a CO Gas Detection System in place to alert personnel when the levels reach a critical point. When this point is reached, the system turns on fans for the area until CO concentration reaches an acceptable level. If there is a danger of CO reaching unacceptable levels and there is no Detection System in place, exhaust fans must be run constantly to vent the area and prevent CO build up.

The current CO detection system in the Paseo Subterranean Garage has been in place for over 25 years and some of the detectors are becoming non operational which has forced the City to run the exhaust fans twenty-four hours a day, seven days a week to keep the CO concentrations at an acceptable level. This has resulted in higher costs.

A Notice Inviting Bids was issued and published in the *Pasadena Journal*, on March 17, 2005, to furnish, deliver, and install a Carbon Monoxide gas detection system and ventilation fan controller at the Paseo Colorado Subterranean Garage. The Notice was also posted on the City's web page and mailed to three vendors on the Purchasing Division's vendor list. On April 5, 2005, two bids were opened in the City Clerk's office.

The bid results are as follows:

- | | | |
|----|--|-----------|
| 1) | AC Energy Systems, Inc. | \$158,422 |
| 2) | Air Conditioning Control Systems, Inc. | \$172,468 |

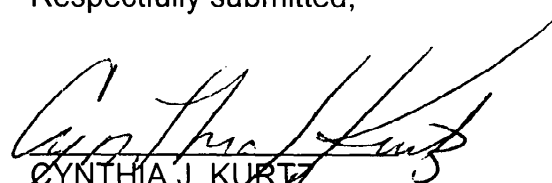
The lowest responsive and responsible bidder is AC Energy Systems, Inc. with a bid of \$158,422.

FISCAL IMPACT

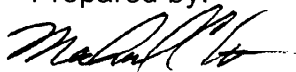
With the installation of the new CO Detection System, there is an estimated savings of \$51,000 per year in energy cost, which would result in the system paying for itself in a little over three years.

There are sufficient funds available for this contract award in CIP Account 75018.

Respectfully submitted,

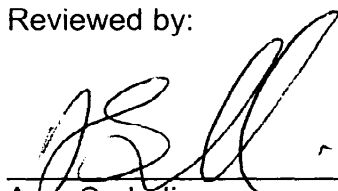

CYNTHIA J. KURTZ
City Manager

Prepared by:



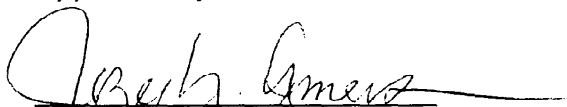
Michael Woolson
Management Analyst

Reviewed by:



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Approved by:



Joyce Y. Amerson
Director of Transportation