

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To: Matthew J. Fertal From: Keith G. Jones
Dept.: City Manager Dept.: Public Works
Subject: PURCHASE OF CALSENSE EQUIPMENT FOR WEATHER BASED IRRIGATION SYSTEM Date: March 25, 2008

OBJECTIVE

To receive City Council approval for the purchase of Calsense weather based irrigation equipment for the purpose of retrofitting park sites.

BACKGROUND

In 2003, City Council approved the purchase of a centralized weather based irrigation system to retrofit the irrigation system at Village Green Park. The system monitors the minimum water flow needed to adequately irrigate landscaping areas and thereby, conserves on water consumption. According to data received from this system, Village Green Park experienced an increase in water savings by 40% within the first year following installation, while maintaining a green recreational area. Based on these water savings results, the weather based irrigation system has proven to be an effective water conservation management tool.

DISCUSSION

In an effort to continue conserving City water use, the Water Services Division is proposing to purchase weather based irrigation equipment to retrofit twelve (12) City-owned parks. Staff solicited bids from four (4) vendors to provide Calsense weather based irrigation equipment. Based on bid results, EWING had the lowest bid. The following is a summary of the bids indicating EWING as the lowest bidder:

	Total Cost
Hydroscape	\$134,477.15
Imperial Sprinkler Supply	\$128,372.19
Smith Pipe & Supply	\$123,896.14
Ewing	\$121,907.34

Installing weather based irrigation equipment at additional parks will increase water savings and assist in mitigating potential supply interruptions during a potential second dry year. To meet the demands of existing and new water users, it is essential that water supply levels are consistent with projections set forth in the 2005 Urban Water

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Management Plan. Therefore, staff recommends the purchase of Calsense weather based irrigation equipment from EWING.

FINANCIAL IMPACT

The City was recently approved for upfront funding for the Calsense weather based irrigation equipment under the Accelerated Public Sector Water Efficiency Partnership Demonstration Program, sponsored by the Metropolitan Water District of Southern California (MET). Total equipment costs in the amount of \$121,907.34 will be fully funded through MET. According to program guidelines, equipment costs will be paid upfront, with the understanding that the City is responsible for installing the equipment within six (6) months upon receiving funds. This project will amend the Water Enterprise Budget for FY 2007/08 to reflect the increase in MET funding and reallocation of all MET funds into retrofitting park sites with Calsense weather based irrigation equipment. There is no impact to the General Fund.

COMMUNITY VISION

This project will assist with maintaining and enhancing the City's assets, maximizing their value, longevity, and usefulness to the health and safety to the community.

RECOMMENDATION

It is recommended that Garden Grove City Council:

- Approve the purchase of Calsense weather based irrigation equipment in the amount of \$121,907.34 for funding under the Accelerated Public Sector Water Efficiency Partnership Demonstration Program, sponsored by MET.

KEITH G. JONES
Director of Public Works

David E. Entsminger
Water Services Manager

Attachments - Location Map
Ewing Bid Results
MET Approval Letter

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