



CITY COUNCIL AGENDA REPORT

MEETING DATE: OCTOBER 17, 2006

ITEM NUMBER:

SUBJECT: AWARD FORMAL BID #1103 FOR THE PURCHASE OF TWELVE PORTABLE LIGHT TOWER UNITS FROM HILBRICK EQUIPMENT

DATE: SEPTEMBER 25, 2006

FROM: ADMINISTRATIVE SERVICES - RECREATION DIVISION

PRESENTATION BY: JANA RANSOM, RECREATION MGR & DEBBIE DOBROTT, PURCH SUPR

FOR FURTHER INFORMATION CONTACT: DEBBIE DOBROTT - EXT 5212

RECOMMENDATION:

Staff recommends the award of Formal Bid #1103 for the purchase of twelve portable light tower units from Hilbrick Equipment, 9616 Cherry Avenue, Fontana, California, 92335, for \$97,233.47.

BACKGROUND:

Staff investigated several portable light models and selected two model types for demonstration: tower lights, commonly used in construction, and a balloon light, used on movie sets and at special events. Demonstrations were held at City Hall on July 17, 2006, at Balearic Community Center on August 17, 2006 and at the Farm Sports Complex on August 21, 2006. Two factors were given high priority in selecting units for use for youth sports organizations' evening practices – units that provided a minimum foot candle reading of 400 FC at 50 to 90 feet (as measured by staff on site during demonstrations) and that had a maximum sound level of 70 decibels at 23 feet (industry standard).

The portable light tower was selected over the balloon type model. The tower units can be maneuvered 360 degrees, as well as being able to adjust the lights themselves (four per unit) directionally for slant (up/down, left/right). Two tower units were deemed sufficient in the demonstrations to light a utility field. Overspill from the tower units was negligible (registered zero foot candles on meter) standing 55 feet behind the towers when they were in the fully operational mode, while the balloon unit overspill was 11 to 18 foot candles at a distance of 90 feet behind the unit during full operation. The light emanating from the balloon units could not be controlled – and a great deal of overspill occurred. The light from two balloon units could light a single utility field, however, the light was more diffused over the whole of the area. The balloon units also registered higher sound levels than 70 decibels at a distance of 50 to 90 feet.

Other factors staff reviewed were durability, stability, capacity and warranties. In all of these aspects, the tower light units rated better than the balloon units.

The light tower that staff recommended for purchase is the Multiquip MLTDA7. This model has a sound reading of 65.7 decibels at 23 feet. The warranty is 3-years/3,000 engine hours, while other manufacturers' warranty periods are one year for the machine and three

years for the engine. Another unique feature of the Multiquip MLTDA7 is that it can be used as a stand alone generator. As such, these units increase City capacity for emergency preparedness. "Lifespan" of these units is considered five years in the construction industry, but should be much longer under the conditions they will be used here.

As required by the City of Costa Mesa Municipal Code, the "Notice Inviting Bids" was solicited from qualified vendors whose names were on the bidders' list and other vendors requesting a bid package. Eleven perspective bidders were invited to bid. A "Notice Inviting Bids" was published in the Daily Pilot and posted on the public bulletin board in City Hall. The bid notice was also posted on the City's web site. On September 25, 2006, the Deputy City Clerk received, opened and read six bid submittals.

ANALYSIS:

Of the six bid submittals received, Hilbrick Equipment submitted the lowest responsive and responsible bid for \$97,233.47. The bid tabulation is provided in Attachment I. The bid results provided a budget savings of \$9,392.53 savings over the estimated cost of the light towers.

ALTERNATIVES CONSIDERED:

No alternatives considered.

FISCAL REVIEW:

The funding for eight tower light units for four existing fields and four light tower units for the Fairview Developmental Center (two fields) is included in the FY 06-07 adopted budget.

LEGAL REVIEW:

There is no legal review required on this item.

CONCLUSION:

Staff recommends that the City Council approve the purchase of twelve light towers from Hilbrick Equipment for the total cost of \$97,233.47.

STEVEN MANDOKI
Administrative Services Director

JANA RANSOM
Recreation Manager

MARC R. PUCKETT
Director of Finance

DEBBIE DOBROTT
Purchasing Supervisor

Attachment I: [Bid Tabulation 1103](#)