



City of La Quinta

CITY / SA / HA / FA MEETING DATE: April 7, 2015

AGENDA CATEGORY:

ITEM TITLE: APPROVE BID DOCUMENTS AND AUTHORIZE ADVERTISEMENT FOR BIDS FOR THE LA QUINTA LIBRARY LIGHT-EMITTING DIODE LIGHTING CONVERSION PROJECT

BUSINESS SESSION:

CONSENT CALENDAR: 5

STUDY SESSION:

PUBLIC HEARING:

RECOMMENDED ACTION:

Approve the bid documents and authorize staff to advertise for bids the La Quinta Library Light-Emitting Diode Lighting Conversion project.

EXECUTIVE SUMMARY:

- As a cost and energy savings measure, an assessment was made to convert the La Quinta Library lighting from fluorescent to light-emitting diode (LED) for energy efficiency.
- Results of the assessment indicate that the City could save an estimated \$12,600 annually if the Library was converted to LED lighting.
- Imperial Irrigation District (IID) has reserved \$5,709 in rebates to offset the installation cost for this project if it is completed this year.

FISCAL IMPACT:

The total project cost is \$72,465. The IID rebate would reduce this cost by \$5,709 and lower the final project cost to \$66,756. Funds are available through the Library Operations Budget.

BUDGET LINE ITEM	BUDGET
Professional/Design:	\$ 8,500
Technical (Inspection/Test/Survey):	\$ 4,875
Construction:	\$50,000
Contingency:	\$ 6,590
City Administration:	\$ 2,500
TOTAL BUDGET:	\$72,465

BACKGROUND/ANALYSIS:

As part of preparing the City Library for the 10th anniversary celebration in September 2015, Think Evolve, a vendor specializing in LED conversions, and IID completed an assessment of the La Quinta Library to convert the lighting from fluorescent to LED. If approved, this project will be done in coordination with a separate contract to replace the carpet, paint and tile in the Library.

Advantages of LED lighting include:

- Ten times the useful life of fluorescent lights, saving on material costs and staff time to replace burned out bulbs;
- Five-year warranty versus no warranty for fluorescent bulbs;
- Less heat generated, resulting in an average 10 percent savings on heating, ventilation and air conditioning costs;
- No buzzing or flickering, resulting in less disturbance to customers and less employee fatigue;
- LED lights do not contain mercury, reducing disposal costs over fluorescent bulbs; and
- The projected annual energy cost savings of \$12,600 would repay the final project cost of \$66,756 (the cost after the IID rebate) in 5.3 years.

If approved, the Library will be the third City-maintained building to be converted to LED lighting. The Wellness Center, Museum, and City Hall were converted to LED lighting in the last few years and have generated significant energy cost savings.

The project bid document is now complete and is available for review in the City’s Public Works Department. Contingent upon City Council’s approval to advertise the bid for the project, the following is the proposed schedule:

City Council Bid Authorization	April 7, 2015
Bid Period	April 8 through May 7, 2015
Award of Contract	May 19, 2015
Sign Contracts and Mobilize	May 20 through June 12, 2015
Construction (30 Working Days)	June 15 through July 29, 2015
Accept Improvements	August 4, 2015

ALTERNATIVES:

In order to take advantage of the IID rebates, and in order to minimize potential interference while completing these improvements and the anticipated interior carpet, paint and tile improvements prior to the Library 10th Anniversary celebration, no alternative is recommended.

Report prepared by: Ed Wimmer, P.E., Principal Engineer
Report approved for submission by: Timothy R. Jonasson, P.E.
Public Works Director/City Engineer