

**CITY OF TEMECULA
AGENDA REPORT**

TO: City Manager/City Council

FROM: Patrick Thomas, Director of Public Works/City Engineer

DATE: May 14, 2019

SUBJECT: Approve Equipment Purchase Agreement with California Electrical Supply for Wireless Lighting Control System Hardware

PREPARED BY: Avlin Odviar, Senior Civil Engineer
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RECOMMENDATION: That the City Council:

1. Authorize the City Manager to approve an Equipment Purchase Agreement with California Electrical Supply in the amount not to exceed \$750,375.00 for Wireless Lighting Control System Hardware;
2. Authorize the City Manager to approve extra work not to exceed the contingency amount of \$75,037.50, which is equal to 10% of the Agreement amount.

BACKGROUND:

On February 28, 2017, the City Council approved the purchase of approximately 7,500 street lights within City Limits and authorized the conversion of the luminaires from low pressure sodium (LPS) to light emitting diode (LED). In doing so, the City recognized the sustainability benefits, energy, cost, and maintenance savings, while providing enhanced night time visibility.

Currently, the street light system is being inventoried. Once complete, estimated in June of 2019, the LED luminaires will be procured through a cooperative purchase agreement with the Western Riverside Council of Governments (WRCOG) and systematically deployed citywide.

As part of the LED deployment, the Department of Public Works believes it would be beneficial to incorporate a Wireless Lighting Control System. This system replaces the traditional dusk to dawn photocell at each light with network connected photocells. This will provide the City with real time status information for each street light including location data, asset management, fault/outage detection, and the ability to remotely turn on/off and dim the lighting. Also, network connected photocells are compatible with utility grade direct metering. Direct metering would provide even further savings as the City could then be billed for actual energy usage instead of a monthly estimate. Other energy providers already use this functionality and the City will be ready to take advantage of this usage should SCE allow it in the future.

On February 21, 2019 City staff posted a Request for Quotes (RFQ) on PlanetBids for the Wireless Lighting Control System Hardware and related web based software interface. On March 14, 2019 the City received 8 responses which Public Works staff evaluated and ranked as follows:

1. California Electrical Supply
2. Cimcon Lighting
3. Signify
4. CED and One Source (tie)
5. Walters Wholesale Electric
6. Verizon
7. LED Lighting Solutions

California Electrical Supply was deemed the highest ranked vendor able to supply the required hardware and related software services. Staff is recommending approval of the attached agreement for the hardware purchase only in the amount not to exceed \$750,375.00 which is inclusive of taxes, delivery, and a 10 year hardware warranty. The software services will follow via separate agreement which will be brought to City Council at a future meeting.

FISCAL IMPACT: The Citywide Street Light Acquisition and LED Retrofit is included in the 2019-23 Capital Improvement Program (CIP) Budget. There are sufficient funds for the purchase agreement and a 10% contingency for a total amount of \$825,412.50.

ATTACHMENTS:

1. Agreement
2. Project Description