



CITY of CALABASAS
TRAFFIC AND TRANSPORTATION COMMISSION AGENDA REPORT

DATE: NOVEMBER 16, 2022

TO: TRAFFIC AND TRANSPORTATION COMMISSION

FROM: ROBERT YALDA, P.E., T.E., PUBLIC WORKS DIRECTOR/CITY ENGINEER
TATIANA HOLDEN, P.E., DEPUTY PUBLIC WORKS DIRECTOR

SUBJECT: SCE LED STREET LIGHT REPLACEMENT

MEETING

DATE: NOVEMBER 22, 2022

BACKGROUND:

Southern California Edison (SCE) owns and maintains 1,694 of the street lights throughout the City of Calabasas along residential and arterial streets. 172 of these lights are under account to the City and 1,522 lights are under account to the County of Los Angeles. These street lights presently utilize high pressure sodium (HPS) lamps, which are a common technology for outdoor lighting uses. The utility charges a monthly fee, known as a LS-1 tariff, to provide electricity as well as operations and maintenance for each fixture. SCE, as the owner, provides for maintenance, including lamp replacements, troubleshooting, and replacement following knockdowns.

On June 1, 2016, the LS-1 Option E tariff became available to cities for street lights retrofit. This new tariff allows SCE to replace HPS lamps with LED lamps with no up-front capital cost to cities.

DISCUSSION:

The primary purpose of street lighting is to illuminate the roadway & pedestrian walkway to provide accurate visibility at night of possible hazards, allowing sufficient time for drivers and pedestrians to react and reduce the proportion of accidents. In addition, street lighting provides increased security for the community and aides law enforcement.

LED lamps can produce light as much as two times more efficiently than HPS lights leading to energy and cost savings, carbon footprint reduction, dark sky benefits, and increased visual safety for motorists and pedestrians.

Throughout the current SCE streetlight inventory, the City has street lights ranging from 50 watts to 250 watts. In reviewing the lamps that SCE makes available through LED Replacement program, there are the following temperatures available:

- 4,000k - whiter looking light;
- 3,000k - standard and a warmer appearance which has been very successful across implementations by many agencies over the last several years;
- 2,700k – a warmer look that a few communities have utilized.

If decided to move forward under the Option E program, the City would authorize to replace 172 light owned by the City. At the same time, the City will advise the County to move forward with replacement of 1,522 lights under account with Los Angeles County.

SCE will be presenting the LS-1 Option E and LED replacement implementation overview to receive feedback from the Commission.

FISCAL IMPACTS:

LS-1 Option E includes a recovery mechanism which is embedded within the tariff, that recovers the cost of the initial installation and materials over 20 years. The savings are significantly greater than this recovery mechanism so our community will see an immediate reduction in street lighting costs.

There is no up-front cost to the customer and SCE manages the project from start to finish with a current wait time of approximately five months prior to commencing installation.

The annual savings associated with the lights under account to the City is estimated at just over \$10,000 annually and the savings associated with the lights under account to the County is estimated at \$61,319. The total value and savings to the community each year will total over \$71,000.

REQUESTED ACTION:

Staff recommends that the Traffic and Transportation Commission receive the presentation, provide feedback and comments and recommend forwarding the action to City Council.

ATTACHMENTS:

Attachment A – SCE Presentation