



Legislation Text

File #: 19-531, **Version:** 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Cooperative Procurement 19-212, LED Light Fixture Conversion, to Graybar Inc. and Wesco Distribution for an amount not to exceed \$475,000

DEPARTMENT: Department of Public Works

SUBMITTED BY: Richard Dublinski, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

The Department of Public Works (DPW) established CIP SL137, Citywide LED Street Lighting Conversion, to fund the replacement of all existing streetlights with light-emitting diode (LED) fixtures. The project improves visibility and safety, reduces light pollution and environmental impact through energy reduction, and provides the City with maintenance and re-lamping fee savings. The project is estimated to save \$4.56 million over ten years with payback starting after six years.

The LED conversion project began in 2015 and was divided into three phases. The first phase replaced 1,727 fixtures on arterial streets and was completed in April 2015 at a cost of \$590,725. The second phase replaced 6,930 residential street lights and was completed in March 2016 at a cost of \$1,525,589.

The final phase began in early 2017 and involves the upgrade of 2,843 specialty streetlights, which include Salem-post tops, Shepherd Crook and parking lot and roadway lighting fixtures. Establishing appropriate fixtures for specialty streetlights is more complicated than prior conversions due to the variety of fixture types and styles. Engineering work to identify suitable LED replacements was completed in 2017, and included evaluation of several LED options along with surveying residents regarding decorative street light fixture preferences.

DISCUSSION:

This phase of the LED light fixture conversion project will replace existing high intensity discharge (HID) fixtures with LED fixtures on approximately 750 of the 2,843 decorative street lights, including Salem-post tops and other specialty street lighting.

DPW staff has identified the following fixtures for replacement throughout the City:

- Shepherd Crook fixtures for a pilot of new downtown area fixtures
- Shoebox roadway lighting in the downtown area, test track, Fire Station 7, Police Department and Electric Service Center parking lots and various industrial locations

- Post Top Salem fixtures in various neighborhoods
- Underpass lighting
- Cobra Head fixtures in various municipal parking lots

The new replacement fixtures will last significantly longer than existing fixtures and include a five-year warranty.

After identifying appropriate fixtures for each specialty streetlight, DPW researched existing cooperative contracts from which to purchase the fixtures. Cooperative pricing is discounted from regular pricing through a competitive bidding process.

The LED lighting fixtures are available through two approved national cooperatives:

- OMNIA Partners (Formerly US Communities Government Purchasing Alliance) Cooperative Contract EV2370 through Graybar; and
- National Purchasing Partners Gov (NPPGov) Contract VH11199 through Wesco Distribution Inc.

DPW will coordinate installation of the fixtures with the Electric Utility, which are anticipated to be installed Fall 2019. The remaining specialty fixtures will be completed over the course of the next several years depending on funding.

FISCAL IMPACT:

CIP #: SL137

LED light fixture conversions are expensed to the infrastructure accounts listed below, as part of the capital improvement program. A total of \$570,000 is budgeted for SL137 in 2019. The requested award is within the budget.

Account Number	Fund Description	Total Budget Amount
31251300-551502	Electric Utility	\$70,000
31252200-551502	Capital Projects Fund	\$1,996,250