



THE CITY OF KEY WEST

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Date: August 2nd, 2022

To: Patti McLauchlin, City Manager

From: Joelle Deese, Adaptation and Energy Coordinator

Cc: Christina Bervaldi, Finance Director
Gary Volenec, Interim Engineering Director

Subject: Partnership with Keys Energy Services to Replace Sodium Vapor Streetlight Bulbs with LED Bulbs to Increase Energy Conservation and Cost Savings for the City

Action Statement

Authorize City Manager to approve an Interlocal Agreement between the City of Key West and Keys Energy Services (KEYS) outlining the installation and maintenance of LED lightbulbs for municipal streetlights located in the City of Key West.

Background

The Municipal Streetlight account with KEYS is the second highest energy usage account the City is responsible for. During FY20-21, the Municipal Streetlight account cost the City \$308,338.52 which averages to almost \$26,000 per month.

An analysis was performed to determine what cost savings could be realized by conversion of all or portions of the Municipal Streetlight inventory to LED Bulbs. The bulbs used in the Municipal Streetlight inventory currently include the 100W, 200W And 400W Sodium Vapor Bulbs, as well as a substantial number of 24W, 38W and 54W LED Bulbs. Due to the current tariffs and flat rate schedule that is used to charge the City for Municipal Streetlights, it was determined that replacement of 473 200W and 400W Sodium Vapor Bulb fixtures to LED Bulbs would provide the best use of City funds. Upon the completion of the replacements, the City will save approximately \$12,000 annually.

The Municipal streetlights in the City of Key West are presently maintained by KEYS; however, they are replacing the Sodium Vapor Bulbs with LED Bulbs only as they burn out. This Agreement will expedite that process and will allow KEYS to begin changing out all 473 designated fixtures from Sodium Vapor Bulbs to LED Bulbs.

Purpose and Justification

Participation in this Agreement with KEYS allows the City to only pay approximately \$165.00 per Municipal Streetlight, which will cover the KEYS cost for installing the new LED Bulbs. KEYS will provide the LED Bulb at no cost to the City and will continue to provide maintenance for the life of the fixture.

This project supports the 2021 Key West Strategic Plan: Priority #4: Environmental Protection, Action #4: LED Streetlights.

Financial Issues

The project will be funded from account 108-3807-538-4600 (Repairs and Maintenance). Upon completion, staff will issue a purchase order to KEYS for the amount not to exceed \$80,000.

Recommendation

Staff recommends authorizing City Manager approval of the “Interlocal Agreement between the City of Key West and Keys Energy Services for Streetlight Replacement” for installation and maintenance of new LED lightbulbs in existing municipal streetlights located throughout the City.