






THE CITY OF DAYTONA BEACH
Public Works Department Technical Services Division

TO: James V. Chisholm, City Manager

FROM: Clifford Palmer, Technical Services Project Manager 

THRU: David Waller, Deputy Public Works Director 

THRU: Frank Van Pelt, Technical Services Director 

Date: April 30, 2018

SUBJECT: Power Point Presentation for the Conversion of City Street Lights from High Pressure Sodium to LED lighting

REQUEST

The Public Works Department Technical Services Division is requesting the City Manager to authorize a presentation for executing the conversion of current City Street Lights from High Pressure Sodium to LED lighting, by our department and FPL representatives, of the agreement and add it to the agenda for the regular 5-16-18 City Commission meeting.

PURPOSE

The project work that will be discussed will include installation, and/or modification and replacement of current SL-1 High Pressure Sodium lights with new LED lights. FPL will provide the work, fixtures and the electric power necessary to operate our street lighting system.

CONSIDERATIONS

To increase the general safety for both pedestrian and vehicular traffic by illuminating City Right-of-Ways with LED lighting that has far superior color rendition and differentiation, along with estimated energy reduction of 1,702,224 kWh/year to give the City an estimated savings of \$4,756 per month after the install.

FUNDING

No Funding is necessary at this time. Payment to be made using the annually budgeted existing FPL account number: **500665-01791**.

RECOMMENDATIONS

The Public Works Department Technical Services Division is recommending to the City Manager to authorize a power point presentation for executing the conversion of current City Street Lights from High Pressure Sodium to LED lighting, by our department and FPL representatives, of the LED agreement and add it to the agenda for the regular 5-16-18 City Commission meeting.

ANTICIPATED IMPLEMENTATION SCHEDULE

Executed Contract Date:	May 2018
Conversion Start Date:	June 2018
Conversion Duration:	76.5 Weeks
Completion Date:	December 2019
Final Acceptance Date:	December 2019

ATTACHMENTS

- 1) Agenda Summary
- 2) FPL "LED Lighting Plan" Estimate
- 3) PowerPoint Draft
- 4) FPL LED Contract