



AGENDA MEMORANDUM

Action Item for City Council Meeting July 27, 2021

DATE: July 27, 2021
TO: Peter Zaroni, City Manager
FROM: Richard Martinez, Director of Public Works
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**City of Corpus Christi and AEP Texas Streetlight Installation Agreement
(LED Conversion Project on Ocean Drive Rehabilitation Project)**

CAPTION:

Motion authorizing a 16-month Streetlight Installation Agreement with AEP Texas to convert 523 existing light fixtures to LED light fixtures for the Ocean Drive Rehabilitation project in an amount of \$72,100.78 funded through the Street Bond 2018 Fund.

SUMMARY:

This agenda item is to appropriate funds to execute a service agreement with AEP Texas to convert 523 streetlights to LED fixtures as part of the Ocean Drive Rehabilitation project.

BACKGROUND AND FINDINGS:

The use of LED technology for streetlights has increased in popularity. Electric companies have moved towards establishing LED streetlight tariffs due to longer-life spans, better color rendition, brightness and improved energy efficiency compared to other lighting options. There has also been an increased demand from cities to provide LED fixtures as an option.

In June 2020, AEP Texas adopted an LED tariff as an option to cities. The tariff allows replacement of an existing streetlight if the fixture fails. However, the cost to convert a functioning streetlight to an LED fixture is \$137.86. Assuming a combined REP and TDU kWh charge of \$0.08, the City will have a total combined savings per year of approximately \$20,500. A total of 523 AEP owned streetlights were identified along the Ocean Drive and Shoreline Drive corridor, between Resaca Street and Ennis Joslin Road, that were eligible to be upgraded to LED fixture types. They are identified below:

- **379** – 250W High Pressure Sodium (HPS) lights converted to 122W LED lights
- **132** – 400W HPS lights converted to 194W LED lights
- **12** – 250W Floodlights converted to 146W LED lights

In October 2020, the City of Corpus Christi announced plans to rehabilitate Ocean Drive from IH-37 to Ennis Joslin Road. As part of the improvements in the right-of-way, the City's Public Works Department worked with AEP Texas to identify eligible streetlights along the roadway segment

and determine the cost to upgrade existing fixtures to LED fixtures.

The installation will be done by AEP Texas and will begin in August 2021. As owners of the utilities, AEP Texas is handling the procurement of the inventory and will handle the scheduling of the resources needed to perform conversion of the streetlights. AEP Texas will advise the City of Corpus Christi on any unforeseen circumstances that might impact procurement and installation. All work is estimated to be completed by December 2022.

ALTERNATIVES:

The alternative is to deny the execution of the Streetlight Installation Agreement with AEP Texas.

FISCAL IMPACT:

The fiscal impact for FY 2021 is an amount not to exceed \$72,100.78 for the installation of 523 LED streetlights.

FUNDING DETAIL:

Fund:	ST2020 Bd18P1
Organization/Activity:	3556-051/ 18045-A-3556-EXP
Mission Element:	051 Maintain, Pavement and Associated
Project # (CIP Only):	N/A
Account:	550910 Construction Contract
Amount:	\$72,100.78

RECOMMENDATION:

Staff recommends approval of this motion authorizing the conversion of 523 existing streetlights to LED fixtures.

LIST OF SUPPORTING DOCUMENTS:

City of Corpus Christi and AEP Texas Streetlight Installation Agreement
Price Sheet