

EXECUTIVE BRIEF ELECTRIC UTILITY MEETING

AGENDA DATE: April 28, 2020

TITLE:

2020 Earth Day Announcement of CO2 reductions in our electric supply

SUMMARY:

Review of the City's electric utility's results in reducing CO2 emissions associated with its electric supply since 2005, its current emission rates, and its forecasted emission rates for 2025.

BACKGROUND AND JUSTIFICATION:

CO2 emissions are considered to be a greenhouse gas and are a byproduct of electricity production from fuels such as coal, oil, and natural gas. Lake Worth Beach's electric utility has reduced its emissions associated with the production of electricity delivered to its customers beginning with 2005 as the generally accepted benchmark year and has plans in place to achieve further reductions by 2025.

The City's electric utility has achieved reductions through the decreased percentage of coal based generation in its power supply, increased use of natural gas as a fuel source combined with electricity purchases from more efficient power plants, implementation of energy efficiency and energy conservation projects City-wide, and adding solar energy to its power supply.

Future reductions required to achieve the 2025 forecasted emission rates will be made possible by the City's commitment to add over 36 Megawatts of solar to its portfolio by year-end 2023.

MOTION:

n/a