

EXECUTIVE BRIEF ELECTRIC UTILITY MEETING

AGENDA DATE: March 30, 2021

TITLE:

Resolution No. 12-2021 – Ratification of Florida Department of Environmental Protection Electric Vehicle Charging Infrastructure – Phase 2 Grant Application

SUMMARY:

The resolution ratifies the submission of an application to Florida Department of Environmental Protection (FDEP) for Electric Vehicle Charging Infrastructure (EVCI) – Phase 2 Grant for an estimated grant award of \$176,618 to be used for a Level 2 Electric Vehicle charging station at 2001 10th Avenue North, Lake Worth Beach, FL 33461.

BACKGROUND AND JUSTIFICATION:

The Florida Department of Environmental Protection (FDEP) issued a Request for Applications to provide funding under the Diesel Emissions Mitigation Program (DEMP) for Electric Vehicle Charging Infrastructure (EVCI) Phase 2 along several Interstate Highways for Fiscal Year 2020-2021. The primary objective of EVCI Phase 2 is to provide sufficient fast charging opportunities in the event of an evacuation due to natural disaster. Daily use of these charging stations may benefit regional and local economies through encouraging electric vehicle adoption, increasing tourism, and meeting local sustainability and resilience goals. The grant is intended to add at least 2 fast chargers per charging station location and will add a minimum of 64 fast chargers along the interstate highway system.

On January 19, 2021, the City submitted the EVCI Phase 2 grant application for DEMP funding consideration. The City's grant application consists of one Level 2, fast charging station to be located at 2001 10th Avenue North, Lake Worth Beach, FL 33461. This location was selected in cooperation with the property owner as the site offers multiple amenities including Fun Depot, a family entertainment center with 45,000 square feet of entertainment including a game room, go-carts, bowling, a recently added full-service restaurant and bar, ice-cream shop and laser tag. This location also features a 24-hour Dunkin', El Guanaco an El Salvadorian Restaurant, Latin Bakery & Café, Barber Shop and multiple other establishments within walking distance.

The proposed site location allows for various amenities and easy entry and exit on to the highway. The EV Charging Stations will be provided reliable power via a 26kV primary feeder from the City's 7th Ave North Substation which is located approximately 0.14 of a mile to the south and is currently scheduled for complete rebuild. This location will allow for a quick and stable connection to the power grid and met all of the Grant application criteria.

If awarded, funding for the project will consist of a combination of DEMP grant funds and City funds since the site is not on governmental owned property. The contributions from DEMP funding is approximately \$130,118 or 73.7% of the total cost and City funding is approximately \$46,500 or 26.3% of the total cost. This funding is subject to availability and approval by the City Commission.

MOTION:

Move to approve/disapprove Resolution No. 12-2021 ratifying the Florida Department of Environmental Protection Electric Vehicle Charging Infrastructure – Phase 2 Grant Application.

ATTACHMENT(S):

Fiscal Impact Analysis – N/A
Resolution 12-2021
Grant Application Volume I
Grant Application Volume II