



City of Hallandale Beach City Commission Agenda Cover Memo

Meeting Date:	Item Type:		1 st Reading	2 nd Reading
9/1/2021	<input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Other	Ordinance Reading	N/A	N/A
		Public Hearing	<input type="checkbox"/>	<input type="checkbox"/>
		Advertising Required	<input type="checkbox"/>	<input type="checkbox"/>
		Quasi Judicial:	<input type="checkbox"/>	<input type="checkbox"/>
File No.:				
21-342				
Fiscal Impact (\$):	Account Balance (\$):	Funding Source:	Project Number :	
N/A	N/A	N/A	N/A	
Contract/P.O. Required		RFP/RFQ/Bid Number:	Sponsor Name:	Department:
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	N/A	Dr. Jeremy Earle, City Manager	City Manager's Office of Grants Management, Sustainability, & Innovation
Strategic Plan Focus Areas:				
<input checked="" type="checkbox"/> Finance & Budget		<input type="checkbox"/> Organizational Capacity		<input checked="" type="checkbox"/> Infrastructure/Projects
Implementation Timeline:				
Estimated Start Date: 9/1/2021 Estimated End Date: 9/1/2031				

SHORT TITLE:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING A CONTRACT WITH FLORIDA POWER AND LIGHT TO CONSTRUCT, INSTALL AND MAINTAIN ELECTRIC VEHICLE (EV) FAST CHARGER STATIONS ALONG JOSEPH SCAVO PARK; AND PROVIDING AN EFFECTIVE DATE.

STAFF SUMMARY:

Summary:

This agenda item seeks City Commission authorization to execute a contract with Florida Power and Light (FPL) to construct, install, and maintain two (2) electric vehicle (EV) charging stations along Joseph Scavo Park.

Background:

In April 2020, the City of Hallandale Beach completed its first Greenhouse Gas Emission (GHG) Inventory. With a starting year of 2016, the GHG created an emissions baseline for both the City as an organization, and the overall community as a whole. In 2016, transportation within our community accounted for nearly half (49.1%) of the City's total emissions. For City operations alone, the combined emissions of both fleet and employee commutes made up 39.1% of 2016 emissions.

On November 18, 2020 the City Commission approved Resolution 2020-105 authorizing execution of a contract with FPL to construct, install, and maintain EV charging at the Municipal Complex.

On May 11, 2021 via a motion made on the dais, the City Commission approved the City's entrance into the Race to Zero Initiative, which commits the City of Hallandale Beach to reaching a 50% reduction in emissions by 2030, and achieving net-zero emissions by 2050.

Florida has the second-largest number of passenger EVs in the U.S. and ranks third in terms of reported EV sales across the Country. The tri-county region of Palm Beach, Broward, and Miami-Dade have the heaviest concentration of EVs in the State, accounting for almost 40% of Florida's total EV registrations. While Florida is ahead of most of the Country in total numbers of EVs, the deployment of charging infrastructure has been occurring slower than EV adoption rates. Florida accounts for just under 5% of the nation's charging ports.

The International Council on Clean Transportation has found that EV owners who own a detached house often depend on home charging and only utilize public charging between 5-16% of the time. However, as many as 81% of apartment dwelling EV owners depend on public charging. As Hallandale Beach is home to many who reside in multi-family housing, it is important that publicly accessible charging infrastructure be available to keep up with projected EV growth and adoption trends.

FPL is offering to provide "Fast Chargers" free of cost to the City of Hallandale Beach. Fast Chargers, which are also known as Level 3 chargers, are able to fully charge an EV's battery in as little as 30 minutes, as opposed to approximately 8 hours for Level 2 chargers like those currently installed at the Municipal Complex. FPL has specifically requested that these chargers be strategically located adjacent to multi-family housing so they can be an added benefit to the community.

Current Situation:

Staff recommends the City enter into an exclusive agreement with Florida Power and Light in order to install two (2) Fast Chargers along Joseph Scavo Park. These chargers will be made available to the public. Currently the nearest Fast Chargers to Hallandale Beach are in Dania Beach, the Hollywood Hills neighborhood of Hollywood, and North Miami Beach.

Within this contract, FPL would own, construct, install, operate, inspect, maintain, repair said charging and would also enlarge, modify, remove, test, and/or replace the equipment. FPL will paint/stripe and install signage similar to what was done at the Municipal Complex. The term of this agreement is ten years with an automatic renewal on a year-to-year basis until the thirteenth anniversary of the commissioning of the equipment. If the City desires to have additional EV charging equipment installed along Joseph Scavo Park, we can request this from FPL. If FPL declines our request for additional equipment, we may engage a third party to install such equipment provided that the selected third-party agrees to share data with FPL.

By installing these chargers, FPL provides a necessary amenity to our residents but they also are working to investigate EV charging's impact on the grid.

Unlike the City's prior EV charging agreement with FPL, customers will be charged an applicable tariff rate to utilize these chargers. The Florida Public Service Commission has an Utility-Owned Public Charging for EVs tariff of \$0.30 per kWh, which is set for a 5-year period. Current rates for fast charging at the nearest fast charging stations range from \$0.31 to \$0.43 per kWh.

While Level 2 charging is often free, is it not uncommon for Fast Chargers such as the ones proposed at Scavo Park to charge for service. Additionally, whereas the previous Municipal Complex Charging Agreement between FPL and the City, wherein the City would pay for electricity consumption, FPL will pay all consumption costs for electricity dispensed from the equipment directly. Thus, the cost to install, operate, maintain these fast chargers will not be an expense to the City.

Why Action is Necessary:

Per Sec. 5.01 of the City Charter, a Resolution is an expression of the commission on matters of official concern, opinion, or administration, of a temporary character, or a provision for the disposition of a particular item of the administrative business of the governing body. Also, pursuant to Chapter 23, Section 23-6 – Award of Contract, the City Manager, shall have the authority to recommend to the City Commission award of contracts.

Cost Benefit:

The cost to install fast chargers is generally at least \$60,000 per charger, but FPL is offering the equipment, installation, and operation of these chargers at no cost to the City.

PROPOSED ACTION:

The City Commission pass the attached Resolution and authorize the City Manager to execute a contract with Florida Power and Light for the purpose of installing and operating two (2) fast chargers along Joseph Scavo Park.

ATTACHMENT(S):

- Exhibit 1 – Proposed Resolution
- Exhibit 2 – Electric Vehicle Charging Equipment Agreement

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