400 South Federal Hwy
Hallandale Beach, FL 33009

# City of Hallandale Beach City Commission Agenda Cover Memo

| Meeting Date: | Item Type: | | 1st Reading | 2nd Reading |
|---|---|---|---|---|
| **11/18/2020** | ☒**Resolution** ☐**Ordinance** ☐**Other** | Ordinance Reading | **N/A** | **N/A** |
| | | Public Hearing | ☐ | ☐ |
| File No.: | | Advertising Required | ☐ | ☐ |
| **20-393** | | Quasi Judicial: | ☐ | ☐ |

| Fiscal Impact ($): | Account Balance ($): | Funding Source: | Project Number : |
|---|---|---|---|
| **Not to exceed $2,880 annually** | **$116,000** | **General Fund 8090 543010** | **N/A** |

| Contract/P.O. Required | | RFP/RFQ/Bid Number: | Sponsor Name: | Department: |
|---|---|---|---|---|
| ☒ **Yes** | ☐ **No** | | **James Sylvain, P.E.** | **Public Works** |

Strategic Plan Focus Areas:

| | | | |
|---|---|---|---|
| ☐**Financial** | ☒ **Organizational Capacity** | ☒ **Infrastructure** | ☒ **Development, Redevelopment and Economic Development** |

Implementation Timeline

Estimated Start Date: 11/18/2020 Estimated End Date: 10/21/2027

## SHORT TITLE:

**A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING EXECUTION OF CONTRACT WITH FLORIDA POWER AND LIGHT TO CONSTRUCT, INSTALL AND MAINTAIN ELECTRIC VEHICLE (EV) CHARGING STATIONS AT THE MUNICIPAL COMPLEX, AND PROVIDING FOR AN EFFECTIVE DATE.**

# STAFF SUMMARY:

**Summary:**

This agenda items seeks City Commission authorization to execute a contract with Florida Power and Light to construct, install, and maintain electric vehicle (EV) charging stations at the Municipal Complex.

**Background:**

The City of Hallandale Beach has been working to improve awareness and reduce risk related to climate change since at least 2016. In April 2020, the City completed its first Greenhouse Gas Emission Inventory, creating a baseline from 2016 emissions for both the community as a whole and for city-operations. As a community in 2016, transportation accounted for nearly half (49.1%) of the community's total emissions. For city-operations, the combined emissions of fleet and employee commutes made up 39.1% of 2016 emissions.

Hybrid electric vehicles (HEVs), plug-in hybrid electric vehicles (PHEVs), and all-electric vehicles (EVs) typically produce lower tailpipe emissions than conventional vehicles do. EVs and PHEVs running only on electricity have zero tailpipe emissions. It is a well-known best practice to deploy PHEVs, EVs, and the related EV charging infrastructure (EVCI) to reduce emissions related to transportation. As such, and supported by the Sustainability Action Plan, staff is recommending that the City kickstart their approach to reducing emissions through the installation of EVCI on City Properties, specifically the Municipal Complex. It is important to note that the EVCI proposed in this agenda item could and would be utilized for the public, for workplace charging, and for future EV fleet vehicles.

Not only is the deployment of EVCI necessary for environmental reasons, it is also necessary due to economic factors and infrastructure needs. The State of Florida has the 4$^{th}$ highest sales in EVs within the United States. Many drivers in South Florida utilize an EV or PHEV as their primary personal vehicle and need the infrastructure to support this technology. While many individuals can charge their vehicles at home, those who reside in multi-family housing often face challenges in access to EVCI. Currently, the City only has 2 publicly advertised EVCI located at Bluesten Park. Neighboring cities (for example Hollywood and Aventura) have taken it upon themselves to build-out their EVCI network; the City of Hallandale Beach is essentially just initiating this program. In order to keep up with market changes for vehicles and our own commitment to reducing GHG 100% by 2055, we must, as a City, embrace EVs and build out the EVCI network within our boundaries.

**Current Situation:**

Staff recommends the City enter into an exclusive agreement with Florida Power and Light in order to install four (4) Level 2 EVCI at the Municipal Complex. Again, this EVCI will be available for the public, for workplace charging, and for future EV fleet charging.

A similar item was previously brought to City Commission encouraging a partnership with Blink Network LLC to provide these chargers. After additional cost estimates and a subsequent offer from FPL, staff is suggesting that the City contract with FPL.

While this agreement with FPL is exclusive, the agreement allows for a process to request additional EVCI and if FPL chooses not to proceed with that additional EVCI the City may work with a third-party.

Within this contract, FPL would construct, install, operate, maintain and own the EV chargers located at the Municipal Complex. With the previously proposed Blink agreement, the City would have been responsible to pay to make the parking spaces “EV ready”, estimated at $8,880 for 4 spaces. With FPL, they will cover the costs of making the spaces “EV ready”, installation, painting/signage, and maintaining of the stations. The City would only have to pay the electricity associated with the EVCI’s utilization.

As a major impetus for installing EVCI is not only to meet current market demands but to also incentivize EV adoption, these chargers would be available for use free of charge to the EV driver. The EV charging stations at Bluesten Park are also offered free of charge. It is the norm within cities in South Florida and the nation to offer EVCI for free at this time. With these stations provided by FPL, the City would also be able to gather data on the use of the EVCI for the first time (average charging time, kwh used, number of vehicles, greenhouse gas emissions avoided, etc.) which we cannot currently get from our “home” charger style chargers at Bluesten Park. Furthermore, providing EVCI free of charge also follows best practices for advancing equity though this sustainability action.

If the City Commission passes this Resolution, the EVCI can be installed in 6-8 weeks at the Municipal Complex.

**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 Conttract, the City Manager, shall have the authority to recommend to the City Commission award of contracts.

**Cost Benefit:**

By executing this contract with FPL, the City avoids the cost of the construction, installation, operation, and maintenance of EVCI at this location. However, the cost of electricity for the Municipal Complex is expected to rise between $40-$60 per month, per charging station for an anticipated maximum additional cost of $2,880.

The Green Initiatives Coordinator will coordinate with FPL to get monthly reports related to the kwh consumed by these EVCI and will report on the actual additional electricity cost. The cost of

the EVCI will be separated from other Municipal Complex electricity costs for the purpose of the Sustainability Action Plan Annual Progress Report.

## 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 the EVolution pilot project in Hallandale Beach.

## ATTACHMENT(S):

Exhibit 1 – Proposed Resolution
Exhibit 2 – EVolution Agreement