

STAFF REPORT UTILITY MEETING

AGENDA DATE: July 25, 2023

DEPARTMENT: Electric Utility

TITLE:

Installation of a Level 2 Electric Vehicle (EV) Charging station at the City Hall parking lot

SUMMARY:

Request for approval to install a Level 2 EV charging station in the City Hall parking lot to allow for charging of up to two (2) EV's at a time. This project will expand the number of City locations where residents, visitors and employees can charge EV's in the downtown area.

BACKGROUND AND JUSTIFICATION:

The City is considering the addition of Level 2 EV charging stations in response to increased demand for EV charging in the downtown area. Daily use of these charging stations will benefit local businesses by helping to draw visitors seeking to charge their vehicles while enjoying our downtown amenities, For City residents who seek to avoid installing chargers at their own homes due to equipment and installation costs, or who may not have driveway access for off-street charging. For visitors, the availability of EV chargers within walking distance to downtown businesses encourages repeat visits and time spent shopping and dining. Additionally, the use of personal EVs by City employees based at City Hall is growing and workplace charging is increasingly attractive.

Plentiful and conveniently located EV charging stations help encourage electric vehicle adoption, increases tourism, and aid in reducing air emissions associated with internal combustion engines and reduces traditional fuel filling stations fugitive VOC emissions. Visual observations, driver feedback, and EV network charging data all indicate that there are frequent instances of the nearby J Street Lot EV Chargers being fully utilized, with prospective users being turned away. Adding more readily accessible EV charges nearby at City Hall will help capture more charging business, and provide a valuable service.

The proposed two parking spaces to be dedicated to EV charging will allow for easy entry and exit of the City Hall parking area from downtown Lake Worth Beach. An aerial view is attached for context.

The proposed EV charging infrastructure will be built with the capability to add additional EV Charging stations in the future if demand for the service continues to grow. Electric supply will be provided from a nearby power pole located adjacent to the enclosure on North H Street.

The total project cost includes the transformer required as well as the cost of the EV charger itself and associated installation. Engineering and design will be performed by in-house staff. Contractor services for installation, paving restorations and EV branding will be retained per Lake Worth Beach procurement policy. The Level 2 EV charger shall be procured from ChargePoint, consistent with other EV charging stations installed within the City.

Public use of City's EV charging stations is provided at a cost paid by EV drivers. Charging rates are equal to the rate charged to City's Residential electric customers who use less than 1,000 kWhrs per month.

Additional EV Charging Stations were included as an element of the City's Consolidated Utility Revenue Bonds Series 2022.

MOTION:

Move to approve/disapprove Engineering, Design and Installation of a Level 2 Charging Station at City Hall with an associated budget of \$90,292.

ATTACHMENT(S):

Fiscal Impact Analysis
 EV parking Aerial view at City Hall
 City Hall EV Charging Stations Cost Estimate

FISCAL IMPACT ANALYSIS

Five Year Summary of Fiscal Impact:

| Fiscal Years | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|-----------------|-------------|-------------|-------------|-------------|
| Inflows | | | | | |
| Current Appropriation | 0 | 0 | 0 | 0 | 0 |
| Program Income | 0 | 0 | 0 | 0 | 0 |
| Grants | 0 | 0 | 0 | 0 | 0 |
| In Kind | 0 | 0 | 0 | 0 | 0 |
| Outflows | | | | | |
| Current Appropriation | 0 | 0 | 0 | 0 | 0 |
| Operating | 0 | 0 | 0 | 0 | 0 |
| Capital | \$90,292 | 0 | 0 | 0 | 0 |
| Net Fiscal Impact | \$90,292 | 0 | 0 | 0 | 0 |
| No. of Addn'l Full-Time Employee Positions | | | | | |
| | 0 | 0 | 0 | 0 | 0 |

| Contract Award - Existing Appropriation | |
|--|---|
| | Expenditure |
| Department | Electric Utility |
| Division | T & D |
| GL Description | Improve Other than Build / Infrastructure |
| GL Account Number | 421-6020-531-64.40 |
| Project Number | EEQ2203 |
| Requested Funds | \$90,292 |