



Hallandale Beach
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City of Hallandale Beach City Commission Agenda Cover Memo

Meeting Date:	Item Type:		1 st Reading	2 nd Reading
9/28/2022	<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.:				
22-342				
Fiscal Impact (\$):	Account Balance (\$):	Funding Source:	Project Number:	
\$1,688,211	\$500,000 in FY22 \$1,200,00 in FY 2022-2023 Budget	001-8090-565010-M2303 348-4400-565000-M2303	M2303	
Contract/P.O. Required	RFP/RFQ/Bid Number:	Sponsor Name:	Department:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sole Source	Jeff Odoms, Director	Public Works	
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: 10/1/2022			Estimated End Date: 10/1/2024	

SHORT TITLE:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AUTHORIZING THE CITY MANAGER TO CONTRACT WITH BP PULSE, FORMERLY AMPLY POWER, INC., A SOLE SOURCE PROVIDER, TO DELIVER OWNER'S REPRESENTATION SERVICES, TEMPORARY TO PERMANENT CHARGING SOLUTIONS, AND POWER MANAGEMENT AND OPERATIONS SUPPORT FOR THE EV BUS INFRASTRUCTURE PROJECT IN AN AMOUNT NOT TO EXCEED ONE MILLION, SIX HUNDRED EIGHTY-EIGHT THOUSAND, TWO HUNDRED AND ELEVEN DOLLARS (\$1,688,211); AND PROVIDING FOR AN EFFECTIVE DATE.

STAFF SUMMARY:

Summary:

This item seeks City Commission approval to award a contract to BP Pulse, formerly Amply Power, a sole source, to provide owners representation services, temporary to permanent charging solutions and power management and operations support for the EV Bus infrastructure project in an amount not to exceed \$1,688,211.

Background:

On June 3, 2020, through Resolution No. 2020-036, the City Commission approved an agreement with the Florida Department of Transportation (FDOT) awarding the City a grant in the amount of \$2.5 million to acquire nine (9) electric buses and related equipment, including charging stations. The grant required a 50% match in the amount of \$2.5 million for a total project cost of \$5 million.

On February 16, 2022, through Resolution No. 2022-017, the City Commission approved the purchase of the nine (9) BYD K7M electric buses and Heliox charging equipment through the State of Georgia Contract No. 99999-001-SPD0000138-0008. Furthermore, on June 15, 2022, through Resolution No. 2022-065, the City Commission approved the additional price increase for the electric buses purchase from \$5,082,837 to \$5,972,797.

In preparation for the delivery of the electric buses, City staff has been developing the infrastructure needs for the new EV bus operation and has released Request for Proposals (RFPs) for both Architect/Engineering and Construction Manager at Risk (CMAR) services.

On August 24, 2022, the City Commission awarded RFP# FY2021-2022-007, Consultants' Competitive Negotiation Act (CCNA) Design of Department of Public Works (DPW) Electric Vehicle (EV) Bus Charging and Fleet Facilities, to the highest ranked vendor, Saltz Michelson Architects, Inc.

As part of the additional preparation for this project, City staff has been in discussions with BP Pulse to assist with their expert knowledge in EV Bus infrastructure. In order to ensure that the buses are functional and operational when they are delivered, temporary charging will be required while the facilities are being constructed. BP Pulse shall utilize the City's permanent chargers to create an interim solution which will later be relocated to their final location.

Current Situation:

BP Pulse is a charging system operator that assists public agencies in their electrification goals by providing expertise including owner's representative consulting, engineering and design, charge management system (CMS) and operations and maintenance. BP Pulse's CMS solution includes a physical load management device called the BP Pulse Site Controller (ASC) which meters and controls all charging loads at the main electrical panel.

BP Pulse's "INRUSH" system (temporary to permanent power system) is a sole source product; designed, assembled, installed, and operated exclusively by BP Pulse. No other company makes a similar or competing product.

BP Pulse is a one-of a kind proprietary solution that is the only-third party provider capable of software-controlling 80kW and 200kW BYD chargers. BP Pulse has done a deep level of product

integration with I/O Controls and BYD to control charging sessions, receive and manage diagnostics information. BP Pulse achieved this by integrating into I/O Controls BYD charger gateway (IOC is a partner of BP Pulse), and the gateways in turn connect to the BYD charger using RS 485 connections. BP Pulse is BYD's preferred infrastructure provider and provides hardware, infrastructure, and software solutions for charging systems to achieve operational efficiency.

Additionally, BP Pulse has created a custom interface to BYD's 480V 3-phase AC charger and are therefore the only charging operator with interoperability across all the electric bus OEMs currently in the market. This unique feature will allow the City to add future electric buses and charging equipment to the BP Pulse CMS platform.

There are no agents or dealers authorized to represent this product. There is no other like item(s), product(s), or service(s) available for purchase that would serve the same purpose or function.

Summary of Services:

- I. Work for Hallandale Beach project team and alongside architectural and electrical trades to ensure operational best practices are incorporated into drawings and construction of new maintenance building and charging system.
- II. Engineer, procure, construct, commission and operate semi-permanent solution called "INRUSH" while permanent charging infrastructure planning and construction takes place.
- III. Provide charge management software (CMS) for controlling scheduling, monitoring, and reporting of charging activities and system health.
- IV. Provide and manage charger manufacturer extended warranty and service level agreement (SLA), spare parts inventory and supplier triage called BP Pulse "ELEVATE."
- V. Relocate existing chargers and electrical components from "INRUSH" to permanent infrastructure once ready; install, test, commission and operate chargers.

Funding Sources:

FUND	ACCOUNT	FY	BALANCE
001	8090-565010-M2303	21/22	\$ 500,000
001	8090-565000-M2303	22/23	\$1,200,000

The supporting infrastructure is required to operate the grant funded EV buses, and for the City to comply with grant deliverables funded by the Florida Department of Transportation (FDOT). To date, the FDOT has awarded the City approximately \$4.2 million to support the electrification of the City's transit system. The proposed \$1.7 million expenditure leverages State resources as well as Hallandale Beach CRA's contributions to complete the EV Bus Transit Project, and allows the City to utilize grant funds within the allowed period of performance.

Why Action is Necessary:

Procurement Code of Ordinances, Chapter 23, Section 23-8, (3) Noncompetitive supplies. Noncompetitive supplies, available only from one source, such as unique, patented or franchised supplies, are exempt. The City Manager is authorized to purchase and contract for noncompetitive

supplies in excess of \$50,000, provided authorized funds are available in the annual budget and records of purchases exceeding \$50,000.00 are available for review in the procurement department.

Cost Benefit:

Infrastructure for the newly purchased EV buses is required. Design and construction of the facilities enables the City to take advantage of multiple sources of grant funding in excess of \$4 million, and provide bus services to the residents.

PROPOSED ACTION:

The City Commission to approve the attached Resolution.

ATTACHMENT(S):

- Exhibit 1 – Proposed Resolution
- Exhibit 2 – Resolution No. 2020-036
- Exhibit 3 – Resolution No. 2022-017
- Exhibit 4 – Resolution No. 2022-065
- Exhibit 5 – Sole Source Letter
- Exhibit 6 – BP Pulse Proposal
- Exhibit 7 – BP Pulse Master Customer Agreement

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