



Office of the City Manager

CONSENT CALENDAR
December 11, 2018

To: Honorable Mayor and Members of the City Council
 From: Dee Williams-Ridley, City Manager
 Submitted by: Phillip Harrington, Director, Public Works
 Subject: Contract No. 9893B Amendment: ABM Industries for Continuing Electric Vehicle Charging Station Operations and Extended Maintenance Program

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to execute a five-year contract amendment with ABM Industries to purchase Electric Vehicle (EV) charging stations, provide EV network operations and maintenance, plus extended warranty services, in an amount of \$366,962 for a total Contract not to exceed \$413,939.98 through June 30, 2023.

FISCAL IMPACTS OF RECOMMENDATION

Funding of \$61,172 is available in the FY 2019 budget from the Marina Operations/Maintenance Fund 608, the Off-Street Parking Fund 627, and the Parking Meter Fund 631. Remaining funding of \$305,790 is subject to appropriation in the FY 2020 through FY 2023 budgets from the Marina Operations/Maintenance Fund, Off-Street Parking Fund, and Parking Meter Fund.

This contract has been assigned CMS No. K8VEV.

CURRENT SITUATION AND ITS EFFECTS

The City currently has an inventory of twenty (20) public EV charging stations built by ChargePoint, one of the largest vendors of EV stations. This inventory comprises nine (9) original, legacy EV stations, installed between 2015 and 2017, and eleven (11) new EV stations installed in 2018.

EV stations are installed in several locations:

New EV Charging Station Design

- Eleven (11) stations in the Center Street Garage

Legacy EV Charging Station Design

- Five (5) stations in the Telegraph Channing Garage
- Two (2) stations in the Oxford Garage
- One (1) station at the Berkeley Marina
- One (1) on-street metered station adjacent to the West Branch Berkeley Library

Unfortunately, the nine legacy stations are no longer supported with any warranty by ChargePoint. Additionally, replacement parts for the City’s legacy EV chargers are no longer produced, potentially resulting in non-operational stations. However, ChargePoint offers a promotional program to upgrade these legacy stations to new stations at a discounted price of \$4,498 per station totaling \$40,482.

ABM Industries, which has a local office in Pleasanton, CA, is the only approved ChargePoint partner in Northern California. ABM Industries has provided reliable installation and extended maintenance services for the City’s ChargePoint EV charging stations since 2015. Currently one legacy charging station remains under extended warranty, and ABM Industries’ warranty contract with the City expires in April 2019.

The recommended contract amendment provides budget for:

- 1) Upgrading the 9 legacy EV stations to the current design in Year 1 (;
- 2) Incrementally increasing the number of EV charging stations at the Center Street Garage (CSG) to serve a total of 57 spaces in Years 2-5, as part of that project’s sustainability initiative; and
- 3) Providing network access and maintenance services for all existing and newly installed EV stations in Years 1-5.

Consolidating all existing and future EV charging stations into one contract will simplify the administrative tasks associated with the EV charging station program.

The table below includes an overview of contract amendment costs by fiscal year, planned increases in the number of EV charging stations (and parking spaces) at the Center Street Garage (CSG), and how that affects the City’s total supply of EV stations and spaces.

Contract Year	Fiscal Year	Amount	Number of EV Charging Stations		Number of EV Charging Parking Spaces	
			CSG	Citywide (Legacy + CSG)	CSG	Citywide (Legacy + CSG)
Year 1	FY 2019	\$61,172	11	20	20	38
Year 2	FY 2020	\$69,445	16	30	25	48
Year 3	FY 2021	\$59,800	19	36	28	54
Year 4	FY 2022	\$80,805	24	46	33	64
Year 5	FY 2023	\$95,740	30	57	39	75
Year 1-5 Subtotal		\$366,962				
Existing Contract NTE		\$46,977.98				
New Contract NTE		\$413,939.98				

BACKGROUND

In 2014, the City received a grant from the California Energy Commission (CEC) through the Bay Area Charge Ahead Project 2 (BayCAP2) with the California EV Alliance (CEVA) which subsidized the installation of six (6) Level 2 Electric Vehicle Supply Equipment (EVSE) – a.k.a., EV chargers – at three locations in the City. ABM Industries was an approved partner of ChargePoint and provided installation services as well as continuing network connectivity, with a contract amount not to exceed \$13,991.98 (Contract No. 9893).

On October 28, 2016, the City Manager authorized an amendment to Contract No. 9893 to add an additional station bringing the total to seven stations (\$25,466). On November 14, 2017, the City Manager authorized an amendment to Contract No. 9893 to add a maintenance and management program and extend the term to April 19, 2019 (\$8,520).

ENVIRONMENTAL SUSTAINABILITY

The City's Climate Action Plan recommended that the City pursue opportunities to install charging stations for electric and plug-in hybrid vehicles. Providing publicly accessible EV charging stations supports the City's goal of increasing EV adoption in support of reducing greenhouse gas emissions associated with transportation. Proper monitoring, maintenance, and warranty coverages will extend the life of the twenty existing stations and encourage EV usage throughout the City.

RATIONALE FOR RECOMMENDATION

The City does not currently have the capacity to actively monitor the use of EV charging stations, and provide replacement parts for the nine legacy stations. Such parts are not readily available for purchase. Furthermore, future installation of additional ChargePoint charging stations cannot be done outside of approved sales partners. ABM Industries, which has a local office in Pleasanton, CA, provides all of the necessary services required to maintain, service, and install ChargePoint EV charging stations, and is the only such service provider in Northern California.

ALTERNATIVE ACTIONS CONSIDERED

The City Council could choose not to amend its contract with ABM Industries, which would result in stations that are non-operable and infeasible to maintain. Under this scenario, community members possessing electric vehicles would have fewer opportunities to charge their vehicles within Berkeley.

CONTACT PERSON

Farid Javandel, Transportation Manager, Public Works, 981-7061
Danette Perry, Parking Services Manager, Public Works, 981-7057

Attachments:

1: Resolution

RESOLUTION NO. ##,###-N.S.

AMEND CONTRACT NO. 9893B: ABM INDUSTRIES FOR ELECTRIC VEHICLE CHARGING STATION OPERATIONS, EXTENDED MAINTENANCE PROGRAMS, EQUIPMENT EXPANSION AND UPGRADES

WHEREAS, the City has a current network of twenty ChargePoint electric vehicle (EV) charging stations and anticipates adding additional stations to meet demand; and

WHEREAS, ABM Industries, an approved ChargePoint partner, with an office within the Bay Area, has provided reliable network operations and extended maintenance services for ChargePoint EV charging stations; and

WHEREAS, continued monitoring and regular maintenance will prolong the use-life and public accessibility of the EV charging stations; and

WHEREAS, City staff does not currently have the capacity to actively monitor EV charging stations, nor are replacement parts readily available for purchase and future installation requires approved partners; and

WHEREAS, offering EV charging stations supports sustainability efforts outlined in the City's Climate Action Plan by helping to create a healthy urban environment and reduce automobile emissions; and

WHEREAS, subject to approval of the contract amendment, and appropriation in the FY 2019 through FY 2023 budgets (CMS No. K8VEV), ABM Industries' services will include EV charging station network service fees, monitoring and warranty coverage, and expansion units.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a Contract Amendment with ABM Industries in an amount of \$366,962 with a total not-to-exceed amount of \$413,939.98 from the Marina Operations/Maintenance Fund 608, the Off-Street Parking Fund 627, and the Parking Meter Fund 631 through June 30, 2023.