



Consent Item 7

TO: East Bay Community Energy Board of Directors

FROM: Anish Patel, Director, Infrastructure Delivery

SUBJECT: Approve Resolution Authorizing EBCE CEO to Negotiate and Execute an Amendment to the Agreement with ARUP to Implement Transportation Electrification Infrastructure Development consulting support

DATE: September 20, 2023

Recommendation

Approve a Resolution authorizing EBCE CEO to negotiate and execute an Amendment to the Consulting Services Agreement (“Agreement”) with ARUP North America, LTD (“ARUP”) dated May 19, 2021, to provide Engineering and Project Development Services that will facilitate transportation electrification infrastructure development with respect to the battery deployment into direct current fast charging (“DCFC”) stations, to expand the scope, and to increase the compensation by \$140,000, for a total amount not to exceed \$720,000 through December 31, 2024.

Background and Discussion

EBCE has conducted a detailed analysis to understand home charging access in our service area and identified critical disparities that will hinder widespread Electric Vehicle (“EV”) adoption and, therefore, the ability to achieve California’s ZEV goals. EBCE is investing in an Equitable EV Fast Charging Network to ensure all residents can join and benefit from the transition to EVs. EBCE retained an external consultant, ARUP, to determine various options to design the direct current fast charging infrastructure by proposing the DCFC product with an integration of battery storage.

By 2030 EBCE intends to deploy a public network of DCFC hubs, each with a minimum of 10 dual-port DCFCs, to supplement a diverse array of community-specific TE programs. Our goal is to have upwards of 40 to 50 DCFC hubs operational to meet the

recharging needs of light-duty passenger EVs, as well as medium- and heavy-duty goods movement vehicles.

DCFC Infrastructure Development Support Professional Services

EBCE has been working on pre-development activity regarding the DCFC infrastructure development for several sites in Alameda County. One of the critical tasks for us is to work on new electrical service planning with PG&E. We received the map provided by PG&E to show available electrical distribution capacity on the grid (called ICA maps) which we use as one of the site selection criteria to determine the available capacity around our sites. Per our reviews, EBCE determined that we can obtain up to 2MW of low voltage (480V, 3Ph) electrical service from PG&E to build DCFC infrastructure for several sites. However, we were then informed by PG&E that they don't have electrical capacity available in their network to provide electrical service for some of our sites. For one site, PG&E can provide partial electrical service 2 years from now (for an example: 500KW available in Q4 of 2025, full capacity available in Q1 of 2028). On the second site, there is an existing 500kW service at an existing building that EBCE may be able to access for EVSE supply.

Our goal is to install ten (10) dual head, 150KW each DCFC charger with a total of 20 EV stalls including ADA stalls. We seek professional consultation from ARUP to get various design options, associated cost, road map, schedule, challenges, risks associated with the sites where we have limited to no capacity available from PG&E. Our goal is to explore options to deploy a battery storage infrastructure to mitigate this issue.

In turn, staff is seeking authorization for the CEO to negotiate and execute an Amendment to the ARUP Agreement to expand the Scope of Work to include additional DCFC infrastructure development professional services and increase the compensation by \$140,000.

Fiscal Impact

This Amendment will be funded with \$140,000 from the previously approved Local Development Budget.

Attachments

- A) Resolution of the Board of Directors of the East Bay Community Energy Authority Authorizing the CEO to Amend the Consulting Services Agreement with ARUP North America, LTD.

RESOLUTION NO. R-2023-xx

A RESOLUTION OF THE BOARD OF DIRECTORS

OF THE EAST BAY COMMUNITY ENERGY AUTHORITY AUTHORIZING THE CEO TO AMEND THE CONSULTING SERVICES AGREEMENT WITH ARUP NORTH AMERICA, LTD.

WHEREAS The East Bay Community Energy Authority (“EBCE”) was formed as a community choice aggregation agency (“CCA”) on December 1, 2016, Under the Joint Exercise of Power Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Piedmont, Oakland, San Leandro, and Union City to study, promote, develop, conduct, operate, and manage energy-related climate change programs in all of the member jurisdictions. The cities of Newark and Pleasanton, located in Alameda County, along with the City of Tracy, located in San Joaquin County, were added as members of EBCE and parties to the JPA in March of 2020. The city of Stockton, located in San Joaquin County was added as a member of EBCE and party to the JPA in September of 2022.

WHEREAS On July 18, 2018, the Board approved the Local Development Business Plan (“LDBP”) and budget. The LDBP identifies a series of local development early actions, outlines a series of policy principles, and defines a set of metrics to measure the impact on Alameda County, and

WHEREAS EBCE issued a competitive Request for Proposal solicitation in April 2021 to select vendors to provide engineering and project development services that will support solar, battery energy storage system and DCFC deployment, and

WHEREAS EBCE executed an agreement with ARUP North America, Ltd. (“ARUP”) dated May 19, 2021 (“Agreement”) to complete a solar and battery energy storage feasibility assessment on critical municipal facilities designated to serve the community in time of emergency, and

WHEREAS On March 16, 2023 EBCE executed a certain First Amendment to the Agreement with ARUP for the purposes of expanding the Agreement’s Scope of Work and adding additional compensation for a total compensation amount not to exceed five-hundred eighty thousand dollars (\$580,000), and

WHEREAS ARUP is a firm with extensive experience supporting applications for Transportation electrification infrastructure design and EBCE wishes to utilize these services in addition to the solar and storage project development services already underway.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE EAST BAY COMMUNITY ENERGY AUTHORITY DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. The CEO is hereby authorized to negotiate and execute an Amendment to the Agreement to expand the Scope of Work to provide transportation

electrification infrastructure development consultation that will facilitate deployment of Direct Current Fast Charging (“DCFC”) and battery energy storage systems at public parking spaces, and to increase the total compensation by \$140,000; with total compensation not to exceed \$720,000. The CEO is further authorized to execute any additional clarifying or clerical changes to the Agreement, which must be approved by General Counsel.

ADOPTED AND APPROVED this 20th day of September 2023.

Elisa Márquez, Chair

ATTEST:

Adrian Bankhead, Clerk of the Board