Agenda Item #11.6
For Council Meeting of: January 5, 2021

CITY OF SANTA ROSA
CITY COUNCIL

TO: MAYOR AND CITY COUNCIL
FROM: CHRIS CATBAGAN, ASSOCIATE CIVIL ENGINEER
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT
SUBJECT: APPROVAL OF USE OF DESIGN-BUILD PROCUREMENT FOR CHARGING INFRASTRUCTURE FOR THE CITYBUS ELECTRICAL VEHICLE FLEET ELECTRIFICATION PROJECT

AGENDA ACTION: RESOLUTION

RECOMMENDATION

It is recommended by the Department of Transportation and Public Works that the Council, by resolution, approve the use of the Design-Build method of procurement for certain infrastructure for the CityBus Electrical Vehicle Fleet Electrification Project.

EXECUTIVE SUMMARY

To support the purchase and operation of battery electric buses (BEB's), the Department of Transportation and Public Works (TPW) collaborated with PG&E through their EV Fleet program to install electric vehicle (EV) charging infrastructure at the City Corporation Yard located at 55 Stony Point Road. As part of the PG&E program, the City agreed to Electric Vehicle Deployment Commitment. Staff recommends Council approve use of the Design-Build method of procurement for to the City's design and installation of three (3) dual electric vehicle charging stations, a switchgear enclosure, concrete pads, conduit trenching, bollards, signs, and re-striping.

A Design-Build procurement method would alleviate conflict between design consultant engineers and contractors, reduce owner risk for design errors, and expedite the overall completion of the Project. The City is responsible for owning, designing, constructing, and maintaining the electrical vehicle charging infrastructure.

Authorizing the request for the Design-Build procurement method for the Project would support City Council Goal #5 by investing in and sustaining infrastructure & transportation; and City Council Goal #8 by promoting environmental sustainability.

BACKGROUND

In December 2018, the California Air Resources Board adopted the Innovative Clean Transit rule, which requires all public transit agencies in the state to adopt and implement a plan to transition their fleets to zero-emissions buses by 2040.

The City has received two competitive grant awards from the Federal Transit Administration's 5339 Bus and Bus Facilities Program totaling $2.9 million. Funds were awarded to replace model year 2002 40-foot diesel buses from our fixed fleet with 40-foot zero-emission battery-electric buses and assist with installation of vehicle charging infrastructure.

On May 5, 2020, Council, by resolution, approved PG&E's Electric Vehicle Deployment Commitment to participate in the PG&E EV Fleet Program to facilitate construction of infrastructure to support battery-electric bus charging for the CityBus fleet.

To support expansion of privately owned EVs, the City of Santa Rosa owns and operates ten (10) EV charge stations with a total of eighteen (18) charging ports. All charging ports are available for public use. The existing stations were installed through a 2010 county-wide cooperative using American Recovery and Reinvestment Act (ARRA) Energy Efficiency and Community Block Grant (EECBG) funding.

PRIOR CITY COUNCIL REVIEW

In 2005, Council adopted a resolution establishing Citywide greenhouse gas (GHG) emission reduction targets in response to state goal setting. Since then, the City has adopted a Community Wide Climate Action Plan (CCAP) and a Municipal Climate Action Plan (MCAP).

On May 1, 2012, Council adopted Resolution 28094 authorizing the City Manager to execute a Master Services Subscription Agreement between the City and Coulomb Technologies Incorporated (now ChargePoint) regarding the operation of City-owned stations within the City of Santa Rosa.

In January 2014, Council adopted Ordinance 4021, which established regulations for the award, use and evaluation of Design-Build contracts. Section 3- 60.130 requires the City Council to approve issuing a Design-Build Request for Proposal (RFP) for a major contract.

On May 23, 2017 and June 15, 2018, Council approved the Transit Division's applications for FY 17 and FY 18 funds from the Federal Transit Administration's 5339 program for battery-electric buses and chargers.

On October 23, 2018, zero-emissions buses were discussed during a Council study session reviewing progress implementing the City's Climate Action Plan.

On April 2, 2019, Council approved the Transportation and Public Works Department application for the PG&E's FleetReady program for electric vehicle charging infrastructure.

On April 2, 2019, a study session with Council discussed CityBus's fleet plan and anticipated electrification timeline in light of fiscal, regulatory, and infrastructure-related factors.

On June 4, 2019, Council approved, by Resolution, the adoption of an electric vehicle charging station fee schedule for use of City-owned electric vehicle charging stations.

On May 5, 2020, Council, by resolution, approve the Electric Vehicle Deployment Commitment to participate in the PG&E EV Fleet Program to facilitate construction of infrastructure to support battery-electric bus charging for the CityBus fleet.

On November 17, 2020, Council, by resolution, approved the Cooperative Procurement purchase under the California Department of General Services State Cooperative Purchase Contract 1-19-23-17C of four 40-foot battery-electric transit buses and selected components from Proterra Inc, Burlingame, California.

ANALYSIS

1. Per the Electric Vehicle Deployment Commitment, the City made as part of the PG&E EV Fleet program, the City will be required to purchase nine (9) BEBs, install five (5)-150 kW chargers within the next five years, and operate and maintain this electrical infrastructure for a minimum of ten years.

2. PG&E conducted an evaluation of the project site for the electrified City Buses, identified the necessary improvements, and determined the feasibility of the Project to support the City's five-year BEB Electrification Plan.

3. In addition, the Electric Vehicle Deployment Commitment enable PG&E to schedule construction of the "to the meter" (TTM) for Fall of 2020. TTM includes extending the overhead conductor lines about 300 feet using three poles with anchors and install a 750kVA 3-phase pad mount transformer and 1200A meter panel board.

4. Staff recommends use of the Design-Build procurement method for the following infrastructure and work associated with bus electrification: three (3) dual electric vehicle charging stations, a switchgear enclosure, concrete pads, conduit trenching, bollards, signs, and re-striping.

5. The Design-Build contract is an alternative contracting method in which a single contractor is responsible for designing and building a project. This method

expedites project delivery by overlapping the design and construction phases, can reduce project costs, and minimizes disputes between designer and contractor.

6. The proposed procurement method will follow Section 3-60 of the City of Santa Rosa Municipal Code. This method allows for selection of a Design-Build firm based on performance criteria which may include, but not limited to items such as proposed design approach, initial and/or life cycle costs, project features, quality, capacity, durability, schedule and operational and functional performance of the facility.

7. A selection committee will review and rank the proposals based on the evaluation criteria outlined in Section 3-60.120 of the City Code. The Selection Committee will make a recommendation to the City Council to award the Design-Build contract to the Design-Build entity whose proposal is judged as providing the best value meeting the interest of the City and meeting the objectives of the project.

FISCAL IMPACT

This action has no impact on the General Fund.

Under the PG&E EV Fleet Program, the City will receive an estimated total of $346,000.00 from participation. Funding is anticipated to drawn funding from state Transportation Development Act Article IV funding under JL Key 45159.

ENVIRONMENTAL IMPACT

This action is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15301 in that the project consists of the minor alteration of an existing public facility.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not applicable.

NOTIFICATION

Not applicable.

ATTACHMENTS

- Resolution

CONTACT

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