

STAFF REPORT

DATE: June 1, 2021

TO: City Council

FROM: Stan Gryczko, Public Works Utilities and Operations Director
Brian Mickelson, Public Works Deputy Director
Kerry Loux, Sustainability Coordinator

SUBJECT: ‘Electrify Yolo’ Electric Vehicle Charging Phase 1 Consultant Selection

Recommendation

1. Approve the attached Resolution (Attachment 1) that authorizes the City Manager to negotiate and execute a consultant contract with Frontier Energy for the Electric Vehicle (EV) Charging Infrastructure Phase 1 project, Capital Improvement Project (CIP) 8341.
2. Increase estimated revenue and expenditure appropriations in the General CIP Fund (012) by \$533,210.

Fiscal Impact

The fiscal impact of this step in the EV Charging Project is the exchange of funds for CIP 8341 from Fund 476 (Downtown Area Capital Revitalization) to Fund 012 (CIP Fund). With this exchange, explained in the report under ‘Project Delay and Funding,’ the actual dollar impact is zero. This step in the project includes the cost of the consultant contract and other contract-related expenses, not to exceed \$200,000 to initiate the City’s EV charging infrastructure planning effort, which is within the grant award amount. In addition to the contract, as part of the City’s role of fiscal agent in the administration of this grant, the City will disperse payments to the other partners for their projects in the amount of \$1M, \$200,000 of which has already been paid to Yolo County. Currently within CIP 8341, there is \$465,000 of construction tax funding. The requested appropriation of an additional \$533,210 will provide the ability for the City to begin consultant work on the EV planning effort and provide necessary payments to all partners in this effort. The additional funds will be allocated next fiscal year.

City Council Goals

The proposed actions directly support the City Council Goal to Pursue Environmental Sustainability.

Commission Input

Staff met with the Utilities Commission on May 20, 2020 and June 17, 2020 to discuss the Request for Proposals for EV infrastructure implementation. The Commission provided feedback on the RFP:

- The need to ensure that in the cost analysis of the RFP scope of work, there is the inclusion of the option of third-party owning/leasing (with charging as a service) contracts with vendor, and the request that the consultant to spell out options, with appropriate descriptions of what costs variables are applicable to each type of service. The RFP should also request the consultant provide detail on what ‘make ready infrastructure’ the city would be required to complete, and get to provide more expressive direction to explore options

The following motion was approved on June 17 by the UC: “Approve the recommendation to Council to release a Request for Proposals (RFP) for Phase 1 EV charging feasibility and cost analysis, construction documents and other related materials.” (Moved by Roberts-Musser, seconded by Deos, ayes Braun, Bystrom, Deos, Kristov, Roberts-Musser, Troost; abstain Franco)

The Natural Resources Commission received an informational update on the status of the EV infrastructure implementation at their meeting on June 22, 2020.

Discussion of further City of Davis EV implementation priorities will be discussed with appropriate commission(s) and brought to City Council for review and approval.

Background

In December of 2018, the City of Davis was awarded \$2,912,000 in grant funding for implementing Electric Vehicle Charging Stations (Level 2, 3 and mobile chargers) and purchasing an electric transport vehicle capable of transporting eight or more people. This ‘Electrify Yolo’ project was the result of a successful grant application submitted to Sacramento Area Council of Governments (SACOG) by Valley Clean Energy (VCE) and the City of Davis, representing four regional partner agencies: The City of Davis, Yolo County, the City of Woodland and VCE.

As part of the City’s planning associated with the grant award, City Council reviewed and approved the EV Charging Phase 1 Request for Proposals (RFP) for consultant services on July 7, 2020. The project RFP was released on August 11, 2020 with a proposal deadline of September 8, 2020.

Proposals Review and Consultant Selection

Four qualified proposals were received in response to the RFP. An internal review team of three (3) City staff members unanimously ranked the Frontier Energy proposal as the top response. Evaluation criteria considered by staff (and outlined in the RFP) included proposal quality,

completeness and responsiveness, demonstrated understanding of the city's needs, expertise in current and emerging EV charging infrastructure technology, recent related experience with similar projects and cost of proposal.

The Frontier proposal was thorough and informative, demonstrated clear understanding of the city's needs and proposed innovative approaches, provided examples of similar recent experience in the Sacramento region. In summary, the team had no reservations for the recommendation of this team based on the proposals.

Staff recommends selection of Frontier Energy and subconsultant DKS Associates for the project, based on the information and justifications included in this report.

Project Delay and Funding

Initial discussions with staff around the recommendation for consultant selection did occur in November of 2020, and a report for consultant selection was drafted at that time. However, unforeseen funding issues necessitated further internal review of the project prior to proceeding with the City's planning effort. Funding for the grant was originally swapped with the YOL17140, I-80/Richards Interchange CIP to expedite the installations of EV chargers, and reduce the administrative burden by converting the funds to a local source.

While preparing the original staff report for the consultant agreement, it was determined by the City's Finance Director that the funds originally swapped with the interchange project were Redevelopment Agency Funds and would not be eligible for the EV Charging project as planned. Working with the Public Works Director – Engineering and Transportation, eligible funds from other CIPs that could use Redevelopment Agency Funds were identified, to enable work to continue on the EV Charging project. The funds already allocated in CIP 8341, plus the funds requested for appropriation with this staff report, will fully fund the project partners and allow the City to prepare the design of Phase 1 of the EV Charging project. Future funding determinations for the full grant award amount will be made in the next fiscal year.

Project Tasks and Scope of Work

This Phase 1 contract will provide both the planning framework and data to support the future of EV implementation in Davis, along with completion of the requirements in the SACOG Fund Exchange Agreement (FEA).

Tasks in the contract, as proposed by Frontier/DKS will include:

- **Task 1: Lifecycle Cost Analysis (LCCA)**, which will address assumptions made, return on investment, impact of technology changes, ownership models, capital, overhead and maintenance costs and potential to offset costs. An updateable spreadsheet of the LCCA model will be provided.

- **Task 2 Site Feasibility and Cost Analysis**, which will address the identified sites and use a Public Charger Siting Optimizer customized with Davis criteria, analysis of each proposed location and a one-page summary of sites recommended for Phase 1.
- **Task 3: Identify Technology**, which will include both recommended current technologies for Phase 1 implementation and identification of emerging technologies for future EV charging infrastructure.
- **Task 4: Construction Documents, Environmental Review and Permitting**, which will include one bid package tailored to the City of Davis requirements for bidding and construction.
- **Task 5: Phase 1 Report**, which will be completed on the city's three-month time line following contract execution. All the prior tasks will be consolidated into a concise report that the City can use to implement the charging stations funded in the Green Region grant, leverage for other Electrify Yolo projects, and use as reference material for future funding opportunities.

Additionally, the proposal identifies optional tasks that may be chosen to be undertaken as part of this or a future project.

This Phase 1 effort for implementing EV charging infrastructure and equipment purchases, based on the identified Green Region 'Electrify Yolo' goals for funding, is intended to benefit Davis residents, build internal capacity for Davis as a destination and improve multi-modal hub development in the Davis downtown. This is being accomplished through the suite of elements funded by this grant, including charging infrastructure in the downtown, and purchase of mobile chargers and electric vehicle(s).

As stated in the Commission Input section of this report, City of Davis EV implementation priorities identified after the completion of Phase 1 will be discussed with appropriate commission(s) and brought to City Council for review and approval. Staff will again note that once the minimum commitments in the SACOG FEA have been met, the City can utilize the remaining funding for any EV-related implementation, without limits from SACOG or federal funding requirements.

Attachments

1. Resolution Authorizing the City Manager to Execute a Consultant Contract with Frontier Energy for the Electric Vehicle (EV) Charging Infrastructure Phase 1 Project

ATTACHMENT 1

RESOLUTION NO. 21- ----, SERIES 2021

RESOLUTION AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH FRONTIER ENERGY, INC. FOR ELECTRIC VEHICLE CHARGING INFRASTRUCTURE PHASE 1, AND AMEND THE FISCAL YEAR 2020/2021 BUDGET FOR GENERAL CIP FUND (012)

WHEREAS, the City of Davis has demonstrated leadership in sustainability policy and implementation in California and has historically taken important actions to reduce GHG emissions in our community, including long-term commitments to alternative transportation options; and

WHEREAS, the Davis City Council adopted the March 2019 Resolution of the Council Declaring a Climate Emergency and Proposing Mobilization Efforts to Restore a Safe Climate, including moving toward completely electrified transportation systems, encouraging active transportation (bicycling, walking and public transit) and accelerating the community carbon neutrality goal to 2040; and

WHEREAS, the City of Davis, in partnership with Valley Clean Energy (VCE), applied for and received a Sacramento Area Council of Governments (SACOG) 2018 Green Region grant award of \$2,912,000 for regional collaboration in implementing electric vehicle charging infrastructure, called the 'Electrify Yolo' project, with partner agencies VCE, Yolo County and City of Woodland; and

WHEREAS, the City of Davis will act as fiduciary agent for regional partner implementation of each agency's SACOG Green Region funding and will separately implement the City's approximately \$2 million share of the grant funding for electric vehicle charging infrastructure implementation; and

WHEREAS, staff propose to amend the fiscal year 2020/2021 budget of General CIP Fund (012) by increasing expenditure appropriations by \$533,210, and estimated revenue by \$533,210; and

WHEREAS, City staff recommends Frontier Energy, Inc., a Davis based firm, with subconsultant DKS Associates, as project consultants to implement the approved Scope of Work for the Electric Vehicle Charging Infrastructure Phase 1 project;

NOW THEREFORE BE IT RESOLVED that the City Council authorizes the City Manager to negotiate and execute a consultant contract with Frontier Energy, Inc. for the Electric Vehicle (EV) Charging Infrastructure Phase 1 project for an amount not to exceed \$200,000.

BE IT FURTHER RESOLVED that all terms, conditions, and covenants of said agreement be, and the same are hereby approved, ratified, and confirmed.

PASSED AND ADOPTED by the City Council of the City of Davis on this 1st day of June, 2021
by the following vote:

AYES:

NOES:

ABSENT:

Gloria Partida
Mayor

ATTEST:
Zoe S. Mirabile, CMC
City Clerk