

STAFF REPORT

DATE: February 18, 2025

TO: City Council

FROM: Stan Gryczko, Assistant City Manager
Alexis Eastwood, Deputy Director - PWUO
David Cattaneo, Fleet Manager

SUBJECT: Approval of EV Fleet Electrification Program with PG&E

Recommendation

Approve the Resolution (attached) to:

1. Authorize the City Manager to execute the agreement with PG&E to participate in the PG&E EV Fleet Electrification program; and
2. Authorize the City Manager to execute the agreement with Blair, Church and Flynn Consulting Engineers to provide behind the meter design in coordination with the PG&E EV Fleet Electrification Program.

Fiscal Impact

The fiscal impact associated with this action is approximately \$105,000, to contract with Blair, Church and Flynn Consulting Engineers for behind the meter design services. This funding is available in the current fiscal year's operational budgets and is comprised of Funds 001 (General), 511 (Water), 531 (Wastewater), and 541 (Stormwater). Staff is requesting authority of \$115,000 for the consultant contract to allow for small changes to be authorized by the City Manager if necessary.

PG&E has offered the City the ability to participate in its EV Fleet program, which will cover the necessary cost of upgrading transformers and installing infrastructure up to the City's EV charging electricity meter. PG&E will also reimburse \$4,000 per EV vehicle the City purchases as part of the approved project. The reimbursable grant funding is for a total of 25 electric vehicles (EV) for the City's Fleet over the next five (5) years, equating to \$100,000.

The first selected vehicles are scheduled to be replaced in FY 2025/26. Staff estimates that with current funding for vehicle replacement, the revenue from the disposition of current vehicles and future reimbursement by the grant funds, the City will be able to fund a substantive portion of each EV slated for replacement. However, if there are any funding gaps, staff will include requests for additional funds as part of the biennial budget process.

As part of the biennial budget process, staff will be proposing a new CIP to cover the construction of the infrastructure being designed. Estimated costs for construction will be provided as part of the budget process.

City Council Goals

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

Additionally, fleet electrification supports the Resolution of the Council Declaring a Climate Emergency and Proposing Mobilization Efforts to Restore a Safe Climate, adopted in March 2019, which states, in part, “The City of Davis commits to taking significant action to move toward net municipal and community carbon neutrality in the short term, with maximum efforts to implement carbon reduction actions by 2030; and accelerate the existing 2050 Davis carbon neutrality goal to a 2040 target.”

This City fleet electrification planning work is also furthering Action TR.2, Decarbonize Municipal Fleet, as identified in the Climate Action and Adaptation Plan (CAAP) approved by City Council on April 18, 2023.

Commission Input

Acceptance of awards from grant agencies is a standard procedure where the authority is provided by City Council.

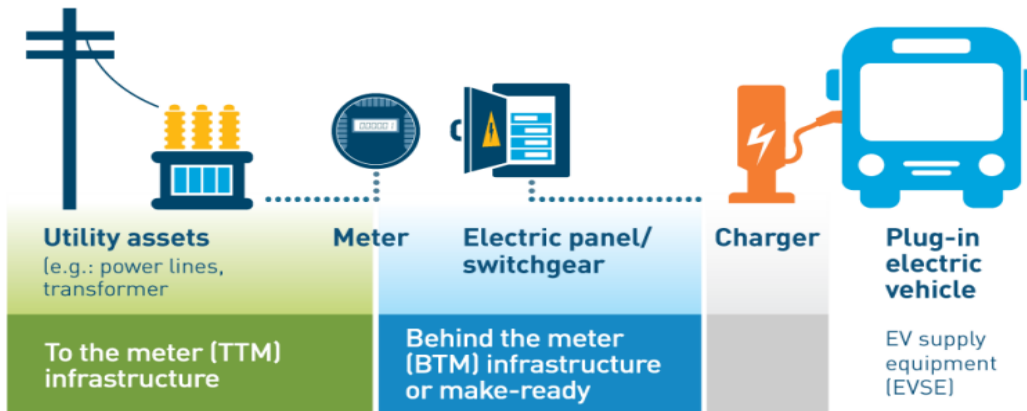
Background

In August 2024, the City submitted an application for three City-owned locations to PG&E with the goal to participate in their EV Fleet Electrification Program. The three sites submitted were 23 Russell Blvd., 1717 5th Street, and 1818 5th Street. This program is designed to promote the use of zero emission vehicles that are considered medium duty vehicles (over 6,000 pounds). In order to support the use of the vehicles, the infrastructure must be in place to provide charging. PG&E will install the infrastructure from the transformer to the electricity meter at each of the three sites.

The City will be responsible for the cost of the installation of infrastructure from behind the meter to the charging station and the charging stations themselves. In December 2024, the City was notified of the invitation to join the PG&E EV Fleet Electrification program. In addition to PG&E installing the infrastructure up to the meter, the City will receive, on a reimbursement basis, \$4,000 for each 25 medium duty zero emission vehicles (for \$100,000 total in reimbursement). Included in this staff report is a staff recommendation to authorize the City Manager to participate in this program.

To begin the effort of installing infrastructure behind the meter, the City sought a proposal from the PG&E preferred vendor, Blair, Church and Flynn Consulting Engineers via sole source. This is due to the consultant’s knowledge of these systems and due to the fact that they had completed preliminary design of both the PG&E installed infrastructure as well as the behind the meter infrastructure.

A graphic has been included which demonstrates the components of the program. PG&E will install the green portion while the City will be responsible for installing the blue portion and chargers.



The proposal for the engineering / construction document, permitting and construction support phases of the Behind the Meter (BtM) design at (3) city owned locations includes:

- 1818 5th St., includes the installation of (6) 19.2kW dual port chargers, (4) 62.5kW single port chargers, 800A meter service, 225kVA step-down transformer, and (2) 800A distribution panels.
- 1717 5th St., includes the installation of (3) 19.2kW dual port chargers, (7) 62.5kW single port chargers, and 1000A meter service.
- 23 Russell Blvd. includes the installation of (4) 19.2kW dual port chargers, (1) 62.5kW single port charger, and 400A meter service.

The City's Fleet manager has identified vehicles that will be replaced with these EVs. The City will need to purchase the vehicles committed to within the year designated in the application, phased over five years for each site. Existing fleet replacement savings and the disposition proceeds of the current fleet vehicles will also support the cost. Remaining funding needed will be requested from unallocated fund sources depending on which fund the vehicle supports.

Attachments

1. Resolution

RESOLUTION NO. 25-XXX, SERIES 2025

RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH PACIFIC GAS & ELECTRIC (PG&E) TO PARTICIPATE IN THE PG&E EV FLEET ELECTRIFICATION PROGRAM AND ENTER INTO AN AGREEMENT WITH BLAIR, CHURCH AND FLYNN CONSULTING ENGINEERS FOR BEHIND-THE-METER DESIGN SERVICE

WHEREAS, on April 18, 2023, City Council approved the Climate Action and Adaptation Plan (CAAP), which identifies the decarbonization of the municipal fleet as a priority action to achieve climate goals; and

WHEREAS, in August 2024, the City of Davis submitted an application to Pacific Gas & Electric (PG&E) for participation in the PG&E EV Fleet Electrification Program to support the transition of its municipal fleet to electric vehicles (EVs); and

WHEREAS, the PG&E EV Fleet Electrification Program provides infrastructure upgrades, including transformer and meter installations at three City-owned locations to facilitate the deployment of medium-duty electric vehicles; and

WHEREAS, the City will be responsible for behind-the-meter infrastructure, including the installation of charging stations, requiring professional engineering design services; and

WHEREAS, the City has selected Blair, Church and Flynn Consulting Engineers, a PG&E preferred vendor, to provide behind-the-meter design for the project; and

WHEREAS, the City will receive reimbursement of \$4,000 per vehicle from PG&E for up to 25 medium-duty EVs purchased under the program over the next five years, totaling \$100,000 in grant funding; and

WHEREAS, the funding for this project will be sourced from existing operational budget allocations not to exceed \$115,000; and

WHEREAS, the City will use existing fleet replacement savings and disposition proceeds from current fleet vehicles to support the procurement of EVs, with additional funding requests made through the biennial budget process.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Davis does hereby authorize the City Manager to execute an agreement with PG&E to participate in the PG&E EV Fleet Electrification Program and to enter into an agreement with Blair, Church and Flynn Consulting Engineers for behind-the-meter design service, which brings the total costs not to exceed \$115,000; and

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

PASSED AND ADOPTED by the City Council of the City of Davis on this 18th day of February, 2025, by the following vote:

AYES:

NOES:

Bapu Vaitla
Mayor

ATTEST:

Zoe S. Mirabile, CMC
City Clerk