



## CITY OF ALBANY CITY COUNCIL AGENDA STAFF REPORT

Agenda Date: May 20, 2024  
Reviewed by: NA

**SUBJECT:** Recommendation from the Climate Action Committee for Electrification of the City Vehicle Fleet and Public Charging Infrastructure

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### **SUMMARY**

The action before the City Council is consideration of a recommendation from the Climate Action Committee to prioritize investment in electric City fleet vehicles and charging infrastructure.

### **CLIMATE ACTION COMMITTEE RECOMMENDATION**

1. Require all city departments to prioritize electric vehicles when replacing any city vehicle, with the goal of replacing all non-emergency city vehicles with EV's by FYE 2034, and to transition police pursuit and other emergency vehicles as viable EV options are available.
2. Direct staff to develop plans for a capital improvement project for the next CIP cycle for installation of charging stations to serve the city vehicle fleet transition to EV's.
3. Direct staff to develop plans for a capital improvement project for the next CIP cycle for installation of public charging stations on Albany city properties.

### **STAFF RECOMMENDATION**

That the Council direct staff to:

1. Evaluate the most effective manner to charge future City electric vehicles to ensure the City fleet meets or exceeds State electric vehicle requirements;
2. Based on most effective charging infrastructure, develop and implement a fleet strategy that meets or exceeds State electric vehicle requirements; and
3. Develop a strategy to expand charging capacity in partnership with service providers and private and public properties throughout the City.

## **BACKGROUND**

Last year, the California Air Resources Board (CARB) created a regulation called Advanced Clean Fleets which requires cities to gradually electrify certain types of vehicles at the time of their replacement. Starting this year, 50% of vehicle purchases per calendar year must be electric, and starting in 2027, 100% of purchases must be electric. In the case of the City of Albany, the main vehicles that are subject to CARB regulation in the near term are larger public works trucks and the Recreation & Community Services van.

## **DISCUSSION**

Over the past several months, the Zero Emissions Transportation Subcommittee of the Climate Action Committee (CAC) developed three proposals. On February 21, 2024 the CAC recommended that the Council adopt the policies. Staff in the Public Works Department and Community Development Department have been working in coordination on how to facilitate a transition to electric fleet vehicles.

As a first step towards creating an actionable CIP (Capital Improvement Plan) project, a detailed evaluation of fleet and facility capacity will need to be undertaken. The charging needs of City fleet vehicles will vary depending on function and miles traveled on a daily basis. For example, some City vehicles travel only a few miles a day, are not used for emergency response, and thus could use public or low-cost, relatively slow 120-volt powered Level 1 chargers. Other vehicles have more demanding needs, must be reliably operational 24/7 for extended periods of service, which may require a more substantial investment in faster 220 or 480-volt Level 2 or Level 3 charging infrastructure. Thus, decisions on charging infrastructure need to be evaluated in conjunction with both vehicle replacement needs and building systems. Similarly, energy demands associated with installation of public chargers are expected to exceed current building systems, and in some cases, adjacent PG&E infrastructure capacity.

In addition, staff will continue to seek partnership opportunities to facilitate the increase in charging infrastructure. There are a range of possible projects to help further charging opportunities in the City. Most recently, the City conducted a pilot program to assist multifamily locations with installation of electric vehicle charging stations. To date a total of eighteen chargers have been installed at three locations throughout the City through this pilot program.

It is envisioned that status updates will be provided to the Council and the CAC on progress made toward achieving or exceeding State electric vehicle requirements, by way of both funding for vehicle purchase requests and associated infrastructure improvement projects.

## **SUSTAINABILITY CONSIDERATIONS**

In 2019, the City Council adopted a Climate Action and Adaptation Plan which included Goal 1.2.4 4:

*“Increase adoption of electric vehicles and motorized equipment...The City will implement a municipal fleet procurement policy and encourage the switch to electric motorized equipment.”*

### **SOCIAL EQUITY AND INCLUSIVITY CONSIDERATIONS**

Electrification of the City vehicle fleet is not expected to have any impact on social equity and inclusion.

### **CITY COUNCIL STRATEGIC PLAN INITIATIVES**

The fleet electrification proposals advance City Council Strategic Plan Initiative Goal 1, Objective 1 to “Advance Climate Action and Adaptation.”

### **FINANCIAL CONSIDERATIONS**

The ultimate installation of electric vehicle chargers is expected to require a significant investment in building systems in some locations. In addition, the cost of purchase or lease of electric vehicles is expected to cost more than comparable hybrid or conventional vehicles.