



PUBLIC WORKS DEPARTMENT

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SUSTAINABILITY COMMISSION STAFF REPORT

Meeting: April 17, 2025

Subject

Electric Vehicle Charger Study Providing a Prioritized List of Locations

Recommended Action

Receive report and presentation from ZeroQuest and provide input on further action.

Background

To meet the ambitious targets outlined in Cupertino's Climate Action Plan (CAP) 2.0, Measure TR-3, the City must significantly expand its public electric vehicle (EV) charging infrastructure. This includes:

- Reaching 35% ZEV adoption for passenger vehicles and 20% for commercial vehicles by 2030
- Achieving 100% ZEV adoption for all vehicles by 2040

Action TR 3.1 calls for the City to survey existing EV chargers and develop a prioritized list of new charger locations with a focus on equity, including access for residents of multifamily housing, low- and fixed-income households, underserved communities, seniors, and people with disabilities. The survey results are detailed in attachment A.

The study was conducted in partnership with ZeroQuest, local residents with technical expertise in EV infrastructure who volunteered to support the City's sustainability goals. This action fulfills Action TR 3.1 and lays the foundation for Action TR 3.2, which calls for the installation of 719 new Level 2 and Level 3 public EV chargers by 2030.

Reasons for Recommendation and Available Options

The study provides a foundational analysis to guide future expansion of public EV charging in Cupertino. The findings will help inform staff decisions, identify funding opportunities, and support equitable charger deployment.

Staff welcomes input from the Commission on the study's approach and priorities as the City moves toward implementation of related Climate Action Plan 2.0 goals.

Sustainability Impact

Transportation is Cupertino's largest source of greenhouse gas emissions. Expanding public EV charging access will play a critical role in achieving improved local air quality and ensuring an equitable transition to zero-emission vehicles.

Fiscal Impact

No fiscal impact.

City Work Program (CWP) Item/Description

None

California Environmental Quality Act

No California Environmental Quality Act impact.

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Approved for Submission by: Chad Mosley, Director of Public Works

Attachments:

A – Electric Vehicle Charger Study