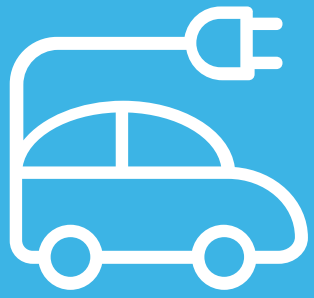




Zero-Emission Vehicle Charging Infrastructure: Progress to date and Plans to Meet State Goals

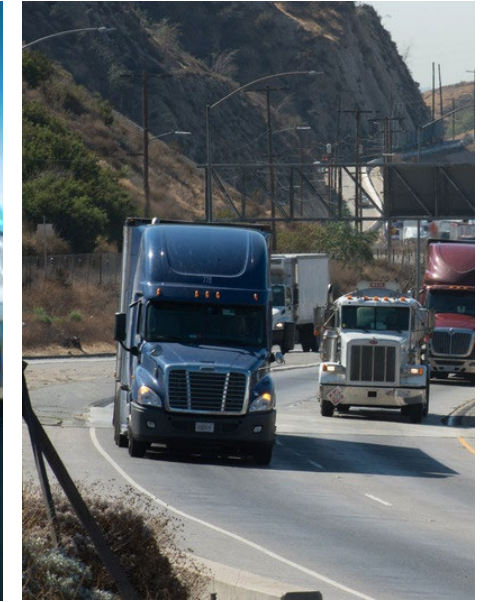
**Presentation to the California Transportation Commission
March 25, 2021**

**Ellen Greenberg, Deputy Director for Sustainability
Elbert Cox, Principal Landscape Architect
Caltrans**



Advancing Zero Emission Vehicles

Caltrans' ZEV Program



Fleet

Workplace

Public

Transit

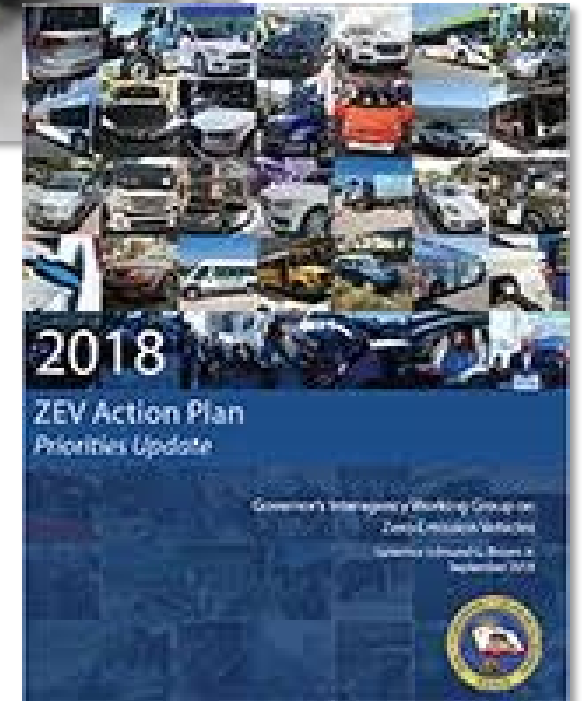
Partnerships



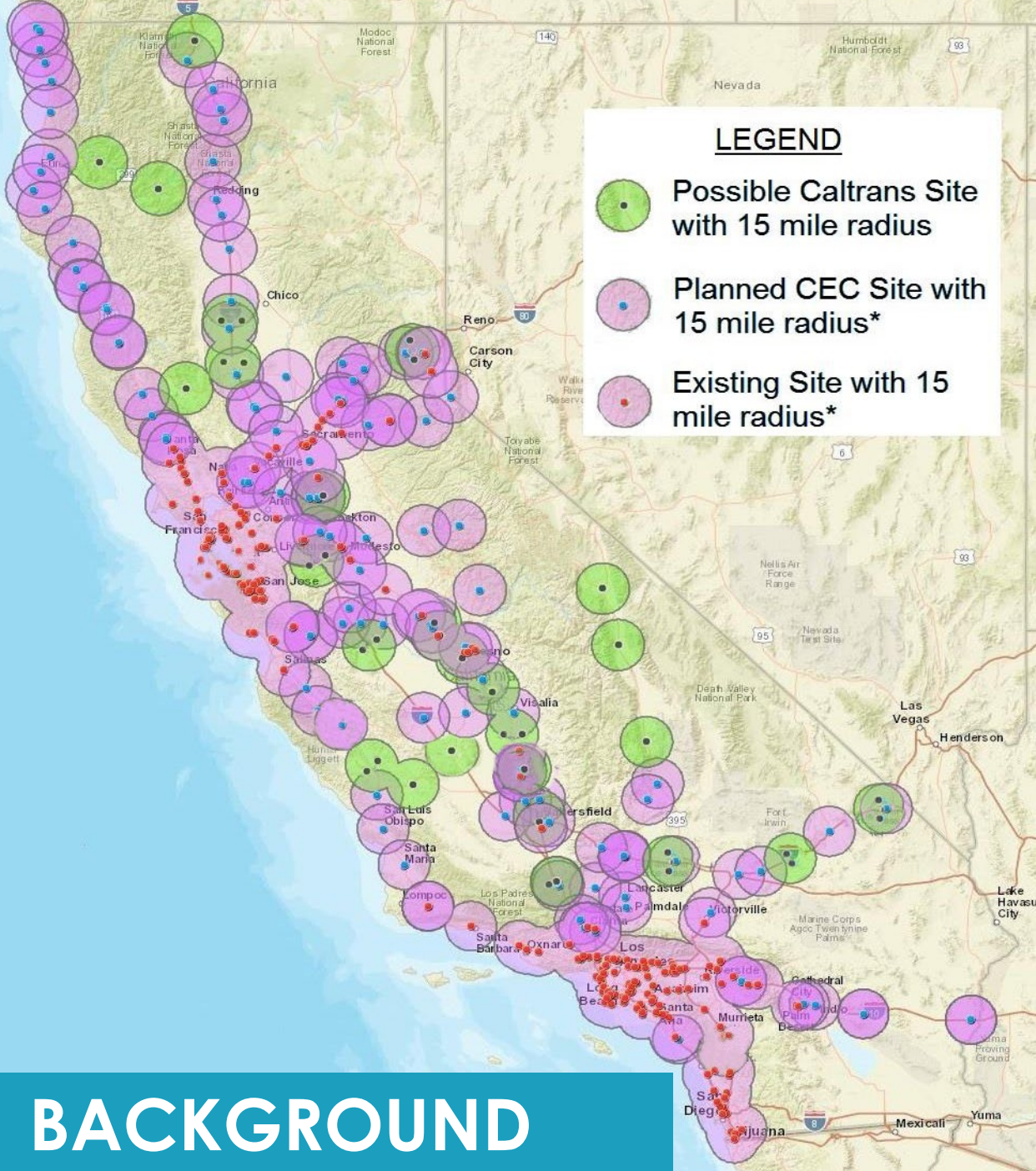


Direction from the Governor's Office

- Executive Orders B-16-12
- Executive Order B-48-18
- 2018 ZEV Action Plan
 - Address gaps in the fast charging network

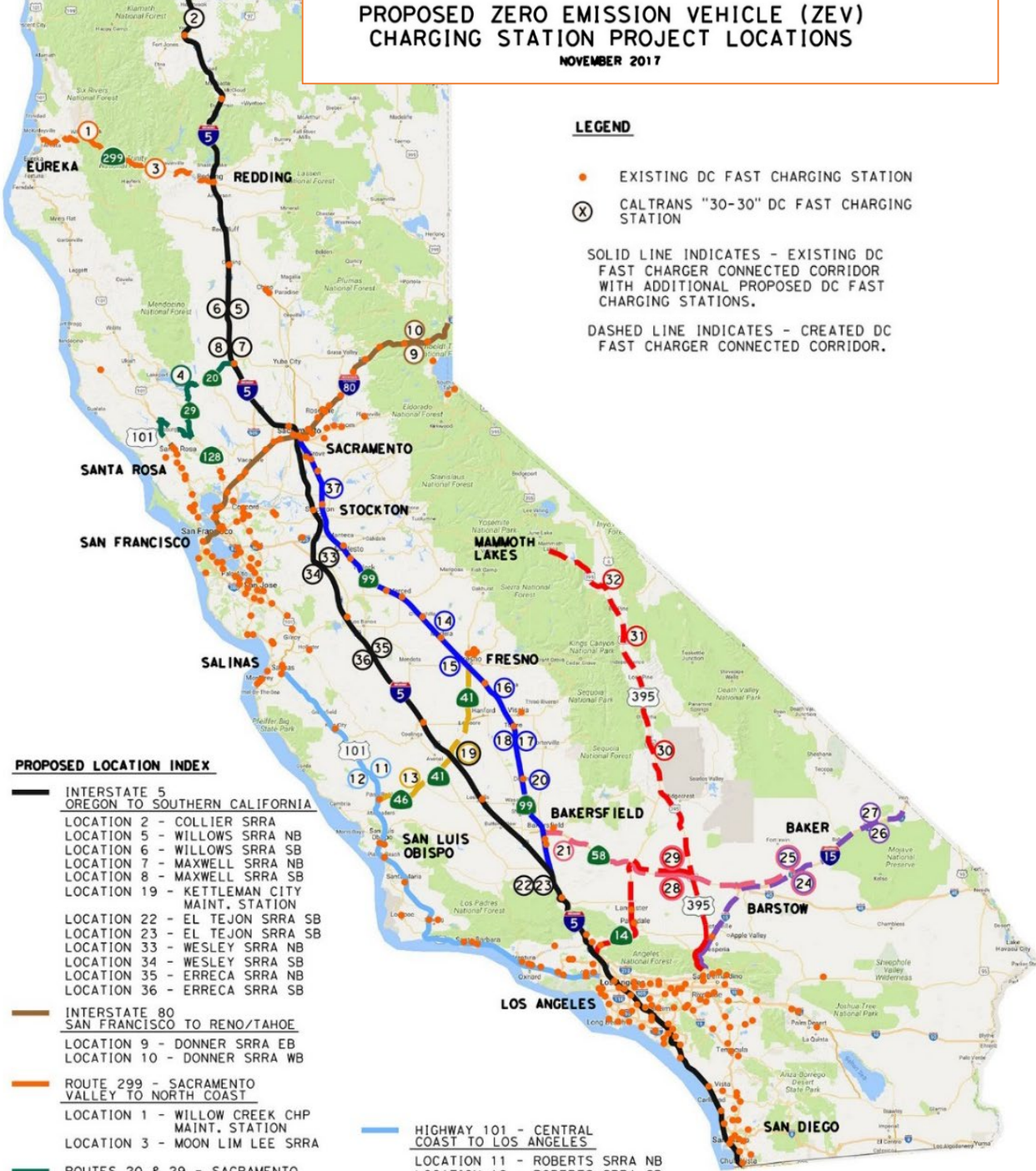


**PROPOSED ZERO EMISSION VEHICLE (ZEV)
CHARGING STATION PROJECT LOCATIONS
NOVEMBER 2017**



LEGEND

- Possible Caltrans Site with 15 mile radius
- Planned CEC Site with 15 mile radius*
- Existing Site with 15 mile radius*



BACKGROUND

ACCOMPLISHMENTS



Established 11 projects with 37 Locations

- 28 Safety Roadside Rest Areas (SRRAs)
- 5 Maintenance Stations
- 2 District Offices
- 2 Park and Ride Lots

25 sites now operational



PUBLIC CHARGING

ACCOMPLISHMENTS



- 31 locations in Disadvantaged or Low Income Communities
- First functioning solar fast chargers at three SRRA sites in District 05
- Solar chargers purchased by Monterey Bay Air Pollution Control District



PUBLIC CHARGING

CHALLENGES



- Unable to recover maintenance and utility costs
- Free charging may disincentivize private industry



PUBLIC CHARGING



Partnerships with third parties outside of the operational right of way in areas such as Park and Ride lots will:

- Allow private providers to supply and maintain ZEV charging facilities
- Relieve Caltrans from acting as a fuel provider





Thank You

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