

2/25/22

# Sacramento Region Transportation Electrification

Powering forward.  
Together.



# Public Fleet Electrification Support



**Headline:** *“Charging to a Zero Carbon Electric Future”*

**Objective:** Lead by example: Electrify our fleet and workplace. Unlock public fleet EV conversions through state and/or federal grants and loan guarantees

**Barriers Addressed:** Upfront cost, Charging Access, Operational Savings

**Key Features:** Low-risk funding access,

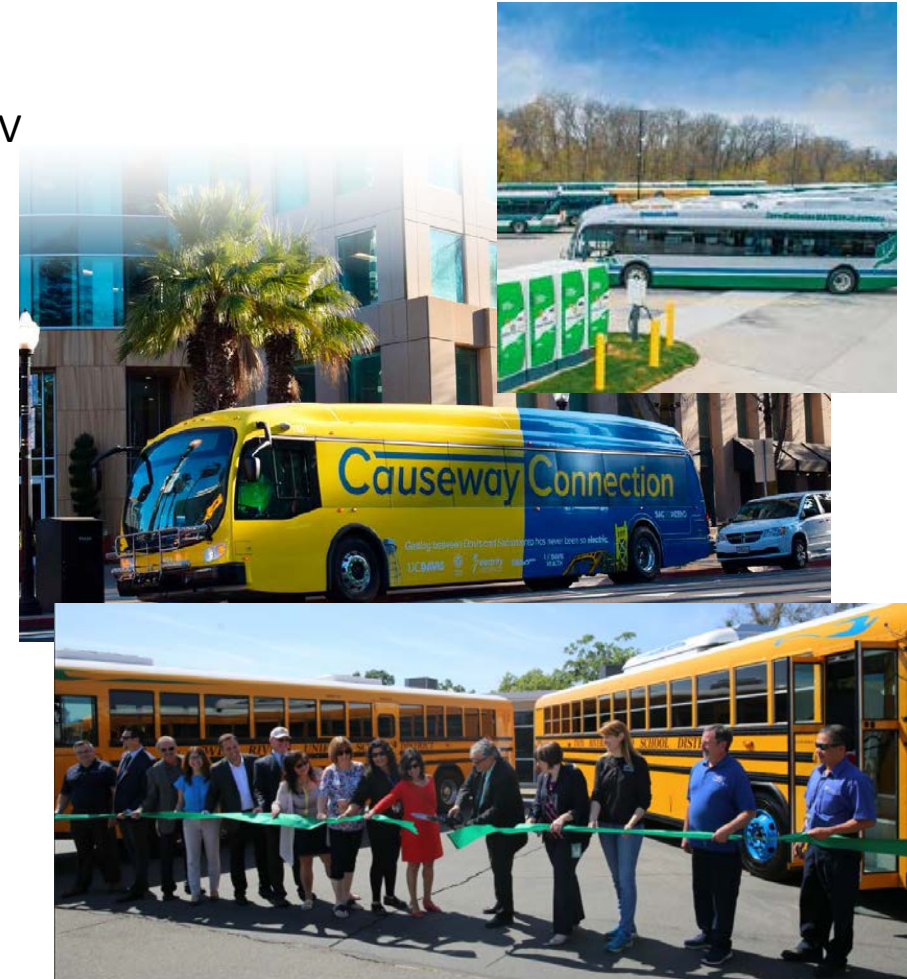
**Rates, Programs, and Initiatives:**

CEC-SMUD Sac Region Medium/Heavy-Duty Planning “Blueprint” Grant  
Regional Transit, School District, and County/City Electrification partnerships  
Transit Agency Proposals from outside Sacramento County

**Market Potential:** Upwards of 600 transit buses across the region

**Investment(s) Needed:** >\$500M?

- + 4 Agency \$500M



# Equity EV Campaign



**Headline: “Federal Grant - Brings EV Charging to the Masses”**

**Objective:** Ensure access to charging and ET workforce opportunities is evenly distributed, position SMUD/Region for federal funding

**Barriers Addressed:** Lack of clean transportation options, awareness and EV charging infrastructure in charging deserts

**Rates, Programs, and Initiatives:**

eMobility Hub partnership (SMAQMD, DOE Grant submission)

Clean Cars 4 All partnership (SMAQMD)

Low-income multi-family (SMAQMD, DOE Grant submission)

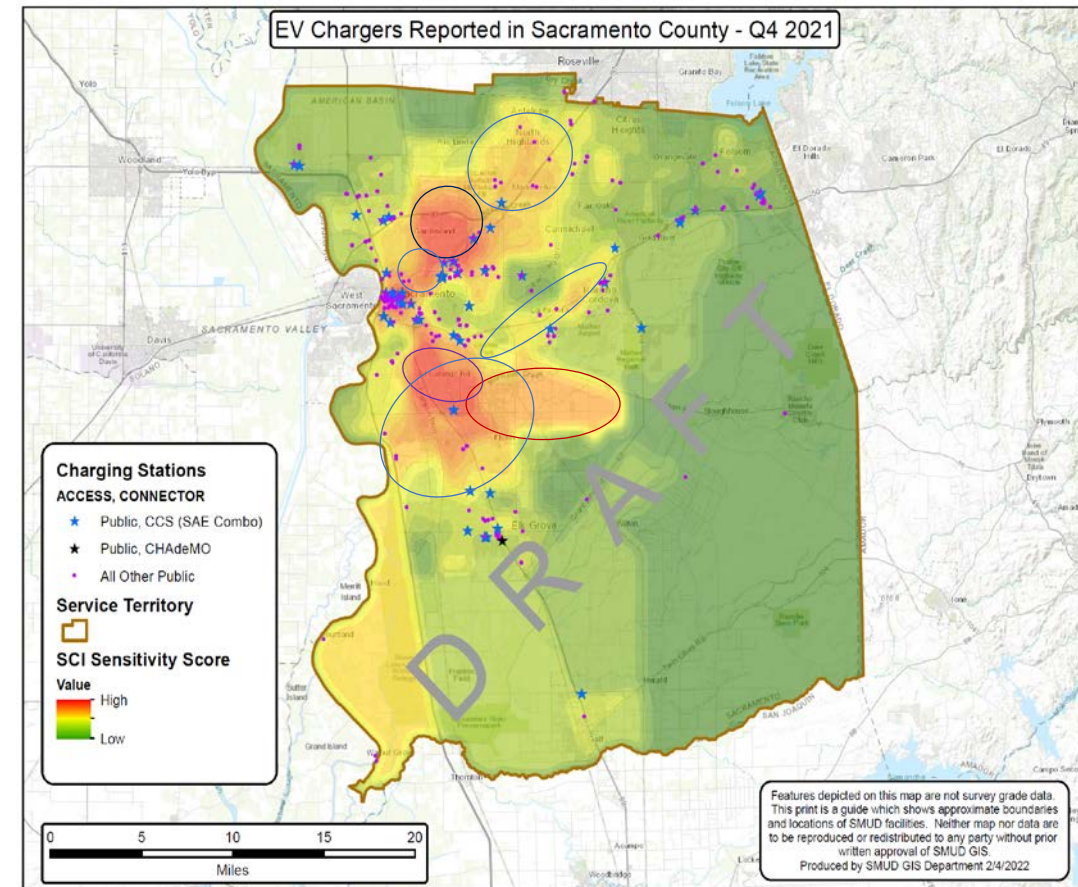
Workforce training partnership (CMC, City of Sacramento)

**Market Potential:**

Approximately 52 eMobility hubs identified need for the 6-county region

**Investment(s) Needed:** \$140M

SMUD share estimate: Approximately \$30M (LCFS Equity EV funded)



SMUD Sustainable Communities Index Map for Example

# Large-Scale EV Charging Plazas



**Headline: *Charging Plazas Unlock Regional EV Travel***

**Objective:** Enable Light/Medium/Heavy Duty EV travel across broad regions of California and the West Coast

**Barriers Addressed:** Getting large scale infrastructure in-place to support long distance EV travel for people and goods

**Key Features:** Partnerships with truck stop owners to start long-term planning and commitment to substation level infrastructure.

## Rates, Programs, and Initiatives

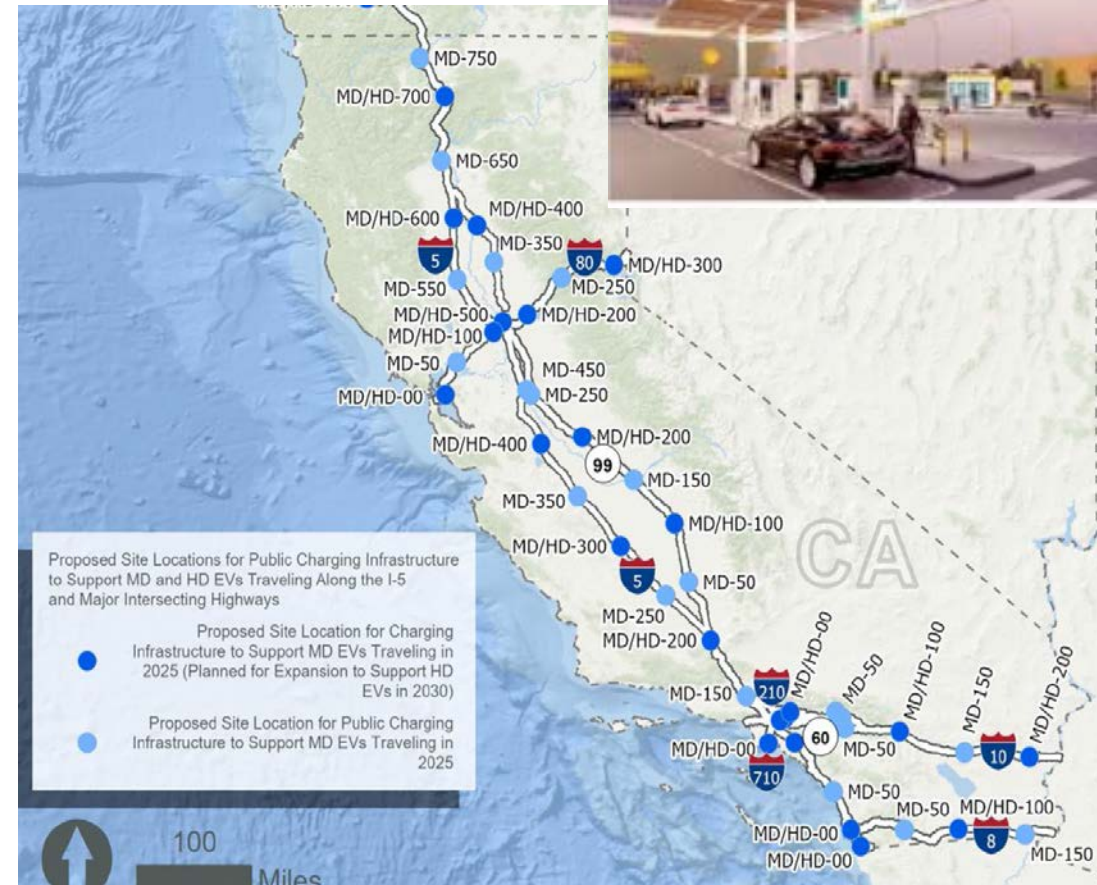
WCCTCI, CalETC Regional Charging Network

1 to 2 Sac County, 5 or 6 in the region

**Market Potential:** .....

**Investments Needed:** \$100M Regionally, \$20M to \$40M Sac County

- SMUD share: \$4M to \$8M for Sac County plazas



# EV Workforce Development



**Headline:** *“Rising EV Tide Lifts All Boats with SMUD-led Regional Partnership”*

**Objective:** Develop job pipeline for under-resourced communities toward EVs and EVSE installation

**Barriers Addressed:** Under-resourced community job needs, Equity EV awareness, improved access to EV/Clean Transportation

**Key Features:** Partnerships with the City, California Mobility Center, Universities, Community Colleges, Vocational Schools, Under-resourced High Schools

**Program(s):** CMC Apprenticeships, SAVA+HCCT Program, High School Competitions and Job Awareness program

**Market potential:** █

**Investment(s) Needed:** \$145M Total

- SMUD: TBD
- Other: TBD

