

Electric Vehicle Charging in Communities Equity Workgroup Report

November 15, 2022

Co-Facilitators:

Samantha Houston, Union of Concerned Scientists (Shouston@ucsusa.org)

Larry Rillera, California Energy Commission (Larry.Rillera@energy.ca.gov)

Equity Workgroup Purpose

The Strike Force established the Equity Workgroup (EWG) to:

- Develop strategies and recommendations and identify areas of cooperation and collaboration among Strike Force members to promote equity in infrastructure build-out and ensure that charging infrastructure is accessible to all Californians.
- Explore definitions of “equity” that the Strike Force and workgroups can use and incorporate into their work and if possible, achieve consensus on an overarching definition.
- Explore how to quantify benefits to priority communities (under-resourced and over-burdened communities) beyond just dollars invested in those communities.

Participation

- Community-based organizations
- Environmental and social justice experts
- Public health advocates
- EV charger companies/businesses
- Non-profits
- High school and college students
- Labor/union
- Businesses
- Workforce training and development entities
- Non-affiliated entities/individuals

EV Charging and Equity

Communities that have historically suffered disproportionate burdens and inadequate benefits from the transportation system must be prioritized in the transition to EV infrastructure from planning, development, installation, access, and EV charging infrastructure supply chains.

- Recognitional Equity
- Procedural Equity
- Distributional Equity

Report Structure

Context

Benefits

Metrics

Strategies and Recommendations

Report Focus Areas

- (1) Light-duty vehicle (LDV) charging at home
- (2) Light-duty vehicle charging away from home
- (3) Medium- and heavy-duty duty (MDHD) vehicle charging
- (4) Shared mobility and micromobility charging
- (5) Access to emerging and advanced technologies
- (6) Investments and community wealth
- (7) Workforce and jobs
- (8) EVSE supply chain businesses
- (9) Community awareness and education.

Thank you!