BEYOND THE GRID

Centering People in the Deployment of Bidirectional EV Charging

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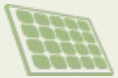
GRID ALTERNATIVES

GRID Alternatives envisions a rapid, equitable transition to a world powered by renewable energy that benefits everyone.



107 MW
Solar Installed

36K +
Families Served

34K +
Hand-on Training

$860 M
Lifetime Savings

GRID's approach to Clean Mobility

Prioritize capacity building and wealth building opportunities: community-powered solutions

Maximize savings from transitioning off of fossil fuels: using clean, cheap solar energy to charge

Move people, not cars: mobility justice means clean public transit, e-bikes, and more

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Clean Mobility Program Areas

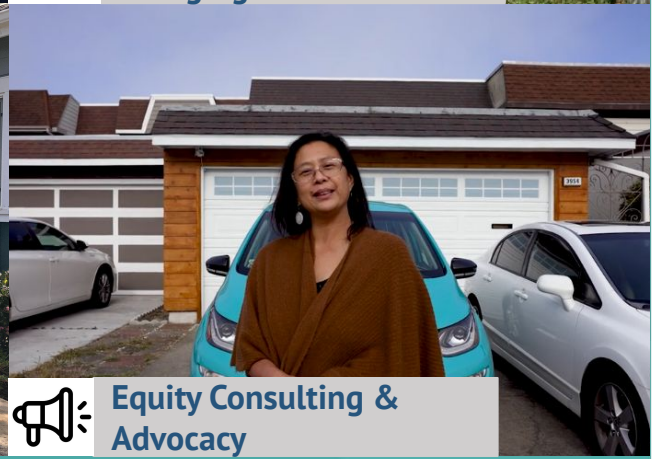
Clean Mobility Marketing, Education & Outreach

EV & EVSE Incentives

Affordable Public Charging

Shared/Micromobility

EVSE Installation



Equity Consulting & Advocacy

SB 350: Clean Energy and Pollution Reduction Act of 2015 (De Leon)

- December 2016 - CEC SB 350: Low-Income Barriers Study Part A
  - Not focused on Electric Charging Supply Equipment (EVSE)
- February 2018 - CARB SB 350 Barriers Report, Part B
  - Key barriers: affordability, awareness, funding, and understanding community needs

Investment Requirements for DACs

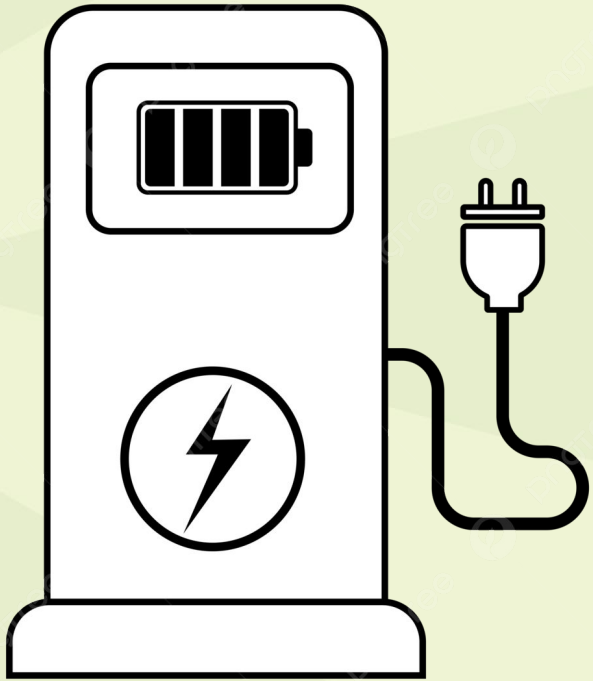
- **AB 1550 (Gomez, 2014)**
  - Minimum funding allocations for California Climate Investments
    - 25% DACs
    - 5 % low-income households
    - 5% benefit LIC/LIH, but outside of DAC by ½ mile
- **AB 126 (Reyes, 2023)**
    - Starting Jan 1st, 2025 at **least 50% of Clean Transportation Program** funding at California Energy Commission must go toward projects that directly benefit DAC and Low-Income Communities

Places (DACs) ≠ People

Barriers to Equitable EV Charging:

Setting aside access to affordable purchase or lease of a new or used EV, EVSE charging inequities include:

- Housing constraints
  - 50% of Californians renters
  - Incentives often benefit homeowners only
  - Older housing stock with more upgrades needed
- Upfront costs of charging infrastructure
- Awareness and Trust Gaps



Bidirectional EV Charging for the People

- Cost of equipment and install, and the ROI clarity biggest drivers of adoption
- Awareness and education gaps are significant
- Upfront financial support - would not see widespread adoption without incentives
- Stacking with solar and other clean energy installations
- Keep technology adoption practical for people's lives

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Thank you!