



CPUC Program Options to Reduce Air Pollution in AB 617 Environmental and Social Justice Communities

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Background

AB 617 (2017)

- Community Air Protection Program
 - Air Monitoring Plans
 - Emissions Reduction Programs

Role for CPUC Programs

- *SB 350, Clean Energy and Pollution Reduction Act (2015)*
- *Environmental and Social Justice Action Plan (2019)*





Scope of Report

- **Typology of Key Emissions Sources**
- **Description of Inaugural Communities**

AB 617 Communities

- Richmond
- West Oakland
- East Los Angeles, Boyle Heights, West Commerce
- San Bernardino and Muscoy
- Wilmington, West Long Beach, and Carson
- Shafter
- South Central Fresno
- Calexico, El Centro, Heber
- South Sacramento-Florin
- Portside

- **Identification of Relevant CPUC Programs**





Key Emission Source Types



Residential



Oil & Gas



Industry



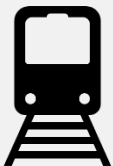
Waste



Ports



Road Transportation



Rail Transportation



Agriculture



Military





CPUC Current Programs

Clean Energy Deployment

- Solar on Multifamily Affordable Housing (SOMAH)
- DAC-Single Family Solar Homes (DAC-SASH)
- DAC-Green Tariff (DAC-GT)
- Green Tariffs Shared Renewables (GTSR) in DACs
- Community Solar Green Tariff (CSGT)
- California Solar Initiative Thermal (CSI-T)
- Net Energy Metering Fuel Cell (NEMFC)
- Self-Generation Incentive Program (SGIP)
- Electric Program Investment Charge (EPIC)

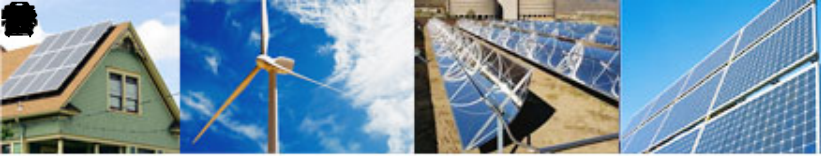
Zero-Emission Vehicle Deployment

- Plug-in Electric Vehicle Time-of-Use (PEV TOU) Rates
- Low-Carbon Fuel Standard (LCFS) PEV Rebates
- SDG&E Champions for Clean Air
- Infrastructure Pilot Programs at Schools and State Parks and Beaches

Energy Efficiency

- Energy Savings Assistance (ESA)
- Utility Energy Efficiency Programs





Program Identification Example: West Oakland

Key Pollution Sources Targeted



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CPUC Former & Future Pilots & Programs

Clean Energy Deployment

- San Joaquin Valley (SJV) Proceeding Phase III
- SB 1477 Building Decarbonization Pilots
 - Building Initiative for Low-Emissions Development (BUILD)
 - Technology and Equipment for Clean Heating (TECH)

Zero-Emission Vehicle Deployment

- SB 350 Transportation Electrification Projects
- EV Infrastructure Pilot Programs
 - EV Charge Network (PG&E)
 - Charge Ready (SCE)
 - Power Your Drive (SDG&E)

- Plug-in Electric Vehicle (PEV) Submetering Pilot
- PG&E and SCE Demand Response Pilots
- Department of Defense Vehicle-to-Grid (V2G) Pilot

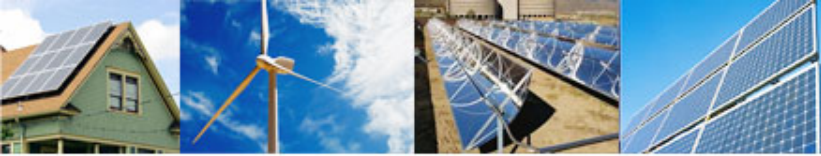
Demand Response

- Disadvantaged Communities Demand Response (DAC-DR) Pilot

Agriculture Programs

- Dairy Biomethane Pilot Program
- Agricultural Internal Combustion Engine Conversion Incentive (AG-ICE)





Conclusions

Regional Air Districts

- Report as a resource for air district/steering committee representatives
- Future local analysis needed to evaluate the merits of each program
- Measures needed to reduce Rail Transportation emissions

California Air Resources Board

- Updated guidance to air districts for more standardized emissions source identification

California Public Utilities Commission

- Reinstatement of former programs and expansion of current and future programs to target AB 617 community needs
 - E.g. expansion of TE programs to target rail emissions
- Regular communication with CARB and outreach to air districts





Next Steps

Feedback

- DACAG- subcommittee?
- CPUC Energy Division
- CARB

Dissemination

- CPUC Internal
- CARB
- Air Districts
- Community Steering Committees
- Other venues?





Questions?



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