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<td><strong>Project Title:</strong></td>
<td>Senate Bill 350 Disadvantaged Community Advisory Group</td>
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<td>Item 4a. CPUC presentation on Program Options to Reduce Air Pollution in AB 617 Communities</td>
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<td><strong>Filer:</strong></td>
<td>Kristy Chew</td>
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<td>California Energy Commission</td>
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<td>Commission Staff</td>
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CPUC Program Options to Reduce Air Pollution in AB 617 Environmental and Social Justice Communities

Scott Ammon

Master of Public Policy Candidate, UC Berkeley
Intern, Office of Commissioner Martha Guzman Aceves

August 16, 2019
Background

AB 617 (2017)

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

Role for CPUC Programs

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

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<tr>
<th>Residential</th>
<th>Oil &amp; Gas</th>
<th>Industry</th>
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<tbody>
<tr>
<td>Waste</td>
<td>Ports</td>
<td>Road Transportation</td>
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<tr>
<td>Rail Transportation</td>
<td>Agriculture</td>
<td>Military</td>
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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
### Key Pollution Sources Targeted

```
reducers vehicles
```

### Clean Energy Deployment
- Solar on Multifamily Affordable Housing (SOMAH)
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### Energy Efficiency
- Energy Savings Assistance (ESA)
- Utility Energy Efficiency Programs
### 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?

Scott Ammon
scott.ammon@cpuc.ca.gov