AB 617:
SAN BERNARDINO / MUSCOY

CO-HOSTS:
ANGIE BALDERAS (IREN)
DANIEL WONG (SOUTH COAST AQMD)
RESIDENT TESTIMONIAL

Valerie Dobesh
Resident of San Bernardino
Ada Trujillo
Resident of San Bernardino
CERP & CAMP IMPLEMENTATION

UPDATE – 4TH QUARTER 2020

San Bernardino, Muscoy
December 10, 2020

ROBERT DALBECK
AIR QUALITY SPECIALIST
CERP AND CAMP IMPLEMENTATION

- School Prioritization Activity
- Warehouse ISR Update
- Railyard ISR Update
- OmniTrans Update
- Neighborhood Truck Traffic
- Annual Report Highlights
- AB 617 Incentives Strategy Meeting
- CARB Board Approves CERP
- Annual Report Submission to CARB
- Mt. Vernon Bridge Project Update
- AB 617 Incentives Strategies Update
- CAMP Update
- Air Filtration Systems Update
- Enforcement Update
  - CARB Update
  - Mobile Monitoring Update

*Agenda topics may change based on CSC input
AGENDA

- Mt. Vernon Bridge Project Update – San Bernardino County Transportation Authority (SBCTA)
- Incentives Strategy Update and Discussion
- CAMP Implementation Update
- 2021 CSC Membership
Questions?

¿Preguntas?

AB617comments@aqmd.gov
San Bernardino County Transportation Authority (SBCTA)
Questions?

¿Preguntas?

AB617comments@aqmd.gov
AB 617 Incentives Strategy

Tom Lee
Program Supervisor
Science & Technology Advancement
### CAPP INCENTIVE FUNDS FOR SOUTH COAST AQMD

**FONDOS DE INCENTIVOS DE CAPP PARA SOUTH COAST AQMD**

<table>
<thead>
<tr>
<th>Period</th>
<th>Statewide / Estatal</th>
<th>Mobile Sources</th>
<th>South Coast AQMD</th>
<th>Mobile Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY2017-2018</td>
<td>$250 M (AB 134)</td>
<td>$107.5 M</td>
<td>$245 M (SB 856)</td>
<td>$85.6 M</td>
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<tr>
<td></td>
<td>Mobile sources</td>
<td></td>
<td>Expand to</td>
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<td>consistent with</td>
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<td>stationary and</td>
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<td>Moyer and Prop 1B</td>
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<td>community</td>
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<td></td>
<td>Fuentes móviles</td>
<td></td>
<td>identified</td>
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<tr>
<td></td>
<td>compatibles con Moyer y la Prop. 1B</td>
<td></td>
<td>projects</td>
<td></td>
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<tr>
<td>FY2018-2019</td>
<td>Expand to stationary</td>
<td></td>
<td>Mobile and</td>
<td></td>
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<td></td>
<td>and community</td>
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<td>stationary and</td>
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<td></td>
<td>identified projects</td>
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<td>community</td>
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<td></td>
<td>Expandir a proyectos</td>
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<td>designates</td>
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<td>estacionarios e</td>
<td></td>
<td>communities and</td>
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<td></td>
<td>identificados por</td>
<td></td>
<td>DACs</td>
<td></td>
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<tr>
<td></td>
<td>la comunidad</td>
<td></td>
<td>Fuentes móviles</td>
<td></td>
</tr>
<tr>
<td>FY2019-2020</td>
<td>Guidelines from</td>
<td>$79.4 M</td>
<td>To Be Discussed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>previous years</td>
<td></td>
<td><em>Por Discutir</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guías de años anteriores</td>
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</tr>
</tbody>
</table>

*Mobile sources in disadvantaged and low-income communities (DACs)*

Fuentes móviles en comunidades desventajadas y de bajos ingresos (DAC)

Mobile and stationary sources in designated communities and DACs

Fuentes móviles y estacionarias en comunidades designadas y DAC

Guidelines from previous years

*Por Discutir*
South Coast AQMD must submit an advance payment form with a proposed list of projects to CARB by 5/1/2021.

These incentive funds must be fully expended by June 30, 2025.
Guideline Requirements for Year 3 CAPP Incentives

- Clean trucks meeting the criteria of Proposition 1B – Goods Movement Emission Reduction Program Guidelines (2015)
- Community Air Protection Incentives Guidelines (revised October 2020). Including the new Chapter 6 for stationary sources and community-identified projects
- Other incentive projects and programs included in an approved Community Emission Reduction Program (CERP)
• Zero emission projects whenever feasible, including charging/fueling infrastructure for medium and heavy-duty vehicles

• Emissions reductions in communities most impacted by cumulative pollution burden, with a focus on vehicles, equipment and infrastructure that operate in AB 617 communities selected by CARB or under consideration for future selection

• No less than 72% of the funds for projects in disadvantaged communities (72% for South Coast AQMD)

• No less than 80% of the funds for projects in AB 1550 communities

• Projects consistent with the priorities identified by the communities
## Summary of Community Input

- **Public Consultation Meeting on 10/15/2020:**

<table>
<thead>
<tr>
<th>Summary of Top Priorities from Breakout Rooms</th>
<th>Emission Reductions Directly Benefitting the Community (with respect to community needs such as proximity to sensitive receptors)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Zero-Emission and Near-Zero Emission Projects</td>
</tr>
<tr>
<td></td>
<td>Affordability (Equitable) for Small Business Truck Owners (availability of local funds, prioritizing incentives for small companies, financial assistance)</td>
</tr>
<tr>
<td></td>
<td>Focus on Projects in Communities that Received Less Funding</td>
</tr>
<tr>
<td></td>
<td>Funding for Other Community-Based Projects (off-road, air filtration, tree planting, solar tech)</td>
</tr>
<tr>
<td></td>
<td>Focus on Rural Projects (Agricultural projects near home and schools)</td>
</tr>
<tr>
<td></td>
<td>Focus on Air Toxics Projects</td>
</tr>
</tbody>
</table>
Examples of Eligible Projects

**Carl Moyer Program**
- Trucks
- Transit buses
- Refuse trucks
- Public agency/utility vehicles
- Emergency vehicles

- 1998 – Present
- $530 Million
- 7,977 vehicles
- Emissions Reduced (tpy): NOx: 8,600  PM: 248

**Prop 1B – Goods Movement Program**
- Trucks
- Shore Power
- Locomotives
- Cargo Handling
- TRUs

- 2009 - Present
- $486 Million
- 7,503 vehicles/equipment
- Emissions Reduced (tpy): NOx: 7,285  PM: 220
Examples of Eligible Projects – Cont’d

- Hexavalent Chrome
  Stationary Source
- Air Filtration Systems
  Schools
- Zero-emission lawn & garden for schools
  Schools
- Composite Wood
  Schools
- Community-identified projects
  - Image of Community Emissions Reduction Plan
Other Community-Identified Projects

• Must be consistent with strategies identified in the CERP
• Must follow 2019 Community Air Protection Incentives Guidelines
  
  ➢ New Chapter 6 for stationary source and community-identified projects (approved October 2020)

• Submit a Project Plan containing all criteria outlined in Chapter 6 (project identification, community support, eligibility requirements, funding amounts, project selection criteria and reporting requirements)

• Air districts must receive approval of the Project Plan from CARB prior to implementation

• 60 days for review/approval
## Mobile Source Project Proposals Received (2020) – Within AB 617 Communities

<table>
<thead>
<tr>
<th>Proposed Projects in AB 617 Communities</th>
<th>Project Costs ($)</th>
<th>NOx Reductions (tons/yr)</th>
<th>PM Reductions (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Los Angeles, Boyle Heights, West Commerce (YR 1)</td>
<td>$613,769</td>
<td>0.7</td>
<td>0.05</td>
</tr>
<tr>
<td>Wilmington, Carson, West Long Beach (YR 1)</td>
<td>$18,517,774</td>
<td>66.6</td>
<td>1.60</td>
</tr>
<tr>
<td>San Bernardino, Muscoy (YR 1)</td>
<td>$429,259</td>
<td>0.3</td>
<td>0.02</td>
</tr>
<tr>
<td>Eastern Coachella Valley (YR 2)</td>
<td>$13,798,131</td>
<td>53.1</td>
<td>4.20</td>
</tr>
<tr>
<td>Southeast Los Angeles (YR 2)</td>
<td>$4,403,576</td>
<td>2.7</td>
<td>0.13</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$37,762,509</strong></td>
<td><strong>123.4</strong></td>
<td><strong>6.00</strong></td>
</tr>
</tbody>
</table>
### Additional Mobile Source Project Proposals Received (2020) – not in AB 617 communities

<table>
<thead>
<tr>
<th>Technology/Category</th>
<th>Project Costs($)</th>
<th>Within 5 Miles of AB 617 Community ($)</th>
<th>Funding Requested by Small Businesses</th>
<th>NOx Reductions (tons/yr)</th>
<th>PM Reductions (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Zero Emission Projects:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicles/Equipment</td>
<td>$9,948,860</td>
<td>$531,266</td>
<td>None</td>
<td>19.1</td>
<td>0.83</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>$9,404,385</td>
<td>$5,264,160</td>
<td>None</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Near-Zero Emission Projects:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vehicles/Equipment</td>
<td>$1,198,136</td>
<td>$62,721</td>
<td>$62,721</td>
<td>7.5</td>
<td>0</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>$10,597,874</td>
<td>$3,249,836</td>
<td>None</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Other projects within 5 miles of an AB 617 Community (in DAC/low-income)</strong></td>
<td>$3,837,943</td>
<td>$3,837,943</td>
<td>$1,793,944</td>
<td>38.3</td>
<td>2.46</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$34,987,198</td>
<td>$12,945,926</td>
<td>$1,856,665</td>
<td>64.9</td>
<td>3.29</td>
</tr>
</tbody>
</table>

Note: All small business projects evaluated are included in above categories.
### SBM CERP Actions – Eligible Incentive Areas

<table>
<thead>
<tr>
<th>AQ Priority</th>
<th>Incentive Related Components by Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck Traffic and Freeways</td>
<td>Replace older trucks with cleaner models, support related infrastructure</td>
</tr>
<tr>
<td>Warehouse</td>
<td>Support infrastructure for zero-emission trucks/vehicles, including TRU’s and CHE</td>
</tr>
<tr>
<td>Omnitrans</td>
<td>Support efforts to accelerate the deployment of zero-emission buses and supporting infrastructure, incentive opportunities</td>
</tr>
<tr>
<td>Railyards</td>
<td>Zero-emission infrastructure installation&lt;br&gt;Replace diesel equipment with cleaner models (work with BNSF)</td>
</tr>
<tr>
<td>Schools, Childcare Centers, Etc.</td>
<td>School air filtration systems and/or replacement filters&lt;br&gt;Childcare center and community center air filtration systems and/or replacement filters</td>
</tr>
<tr>
<td>Schools, Childcare Centers, Etc.</td>
<td>Home air filtration systems</td>
</tr>
<tr>
<td>Schools, Childcare Centers, Etc.</td>
<td>Tree planting</td>
</tr>
</tbody>
</table>
Next Steps

Working with CSCs:

➢ Obtain Board approval for Mobile source projects in AB 617 communities
➢ Identify additional projects for funding (e.g., zero emissions, small businesses, near communities)

For the remaining funds:

➢ Suggest equal distribution among the 5 communities with adopted CERPs to fund eligible projects
➢ These project types will require a Project Plan (within a timeframe):
  • Develop requirements for participation, project selection and funding amounts
  • Develop overall budget for each Project Plan
  • Submit Project Plan to CARB for approval
Discussion

1. What do you think about funding the mobile source projects in the 5 communities ($37 million)?

2. What do you think about funding the additional proposals received:

<table>
<thead>
<tr>
<th></th>
<th>All</th>
<th>Within 5 miles</th>
<th>Small Business</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zero-emission projects</td>
<td>a</td>
<td>b</td>
<td>(N/A)</td>
</tr>
<tr>
<td>Near-zero emission projects</td>
<td>c</td>
<td>d</td>
<td>e</td>
</tr>
<tr>
<td>Other projects in disadvantaged communities near AB617 communities</td>
<td>f</td>
<td>(N/A)</td>
<td>g</td>
</tr>
</tbody>
</table>

3. If we fund (1) and (2), how do you propose the remaining funds be allocated (e.g. even split across 5 communities with adopted CERPs)?
Questions?

¿Preguntas?

AB617comments@aqmd.gov
AIR MONITORING RESULTS AND REPORTS

New tool is currently under development to provide an interactive dashboard for time-integrated laboratory data

Seeking CSC input

Data visualization and access for continuous measurements at the fixed sites in near real-time

Progress report infographic on CERP air monitoring actions

Air monitoring progress reports for each air quality priority

Community Air Monitoring Plan (CAMP) and related documents
INTERACTIVE DATA DASHBOARD

• A web-based tool to explore and visualize time-integrated and mobile monitoring data in an easily digestible way

• Click-to-filter option enables interacting with the data

• Raw data will be available for download
Background

• Background information about:
  ✓ Communities and monitoring stations
  ✓ Time-integrated air quality monitoring
  ✓ Measured chemical species at each station and the analytical methods

What other information would you like to be included?
Time-integrated results

• Interactive air monitoring data visualization

• Comparison of levels between different air monitoring sites/communities

• Comparison of levels against MATES IV* (typical ambient levels across the Basin)

• Access to raw data

* MATES: Multiple Air Toxics Exposure Study

What other features would you like to be included?

Note: This is the preliminary version of the dashboard. The final product may look different.
Mobile monitoring results

• Interactive map of mobile monitoring results

• Toggle between different measured air pollutants

• Zoom in/out and pan around

What other information/features would you like to be included?

Note: This is the preliminary version of the dashboard. The final product may look different.
SEEKING CSC INPUT

- Comments, Questions, Concerns?

Please contact:
Payam Pakbin
ppakbin@aqmd.gov
909-396-2122
2021 CSC MEMBERSHIP

Current CSC Members

• No action required to continue serving as CSC Member
• Will receive an email with CSC Interest Form
  • Update contact information (if needed)
  • Appoint new member or alternate (if needed)

New Applicants

• CSC Interest Form available at: http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committee-interest-form.pdf
• Send CSC Interest Form or Questions to: Daniel Wong at dwong@aqmd.gov or 909-396-3046
Future Agenda Items & CSC Member Updates
PUBLIC COMMENT / COMENTARIO PÚBLICO

AB617comments@aqmd.gov
For more information, questions, or suggestions after this meeting:
Para más información, preguntas o sugerencias después de esta reunión:

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Legislative, Public Affairs & Media
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dwong@aqmd.gov