AB 617:
SAN BERNARDINO / MUSCOY

CO-HOSTS:
ANGIE BALDERAS
DANIEL WONG

3rd Quarter - 2021
CERP & CAMP IMPLEMENTATION

UPDATE – 3RD QUARTER 2021

San Bernardino, Muscoy
August 19, 2021
COMMUNITY EMISSIONS REDUCTION PLAN (CERP) IMPLEMENTATION

- Truck Idling Sweeps and “No Idling” Signs Update
- Automated License Plate Reader (ALPR) Update
- Truck Incentives Workshop Announcement
- Annual Progress Report and Implementation Budget Update
Update on Idling Enforcement

Helena Rhim (helena.rhim@arb.ca.gov)
Robert Dalbeck (rdalbeck@aqmd.gov)
August 19, 2021
CA Truck Idling Rules

Heavy-duty diesel trucks may idle for **up to 5 minutes**, and for longer in these conditions:

- Has a certified Clean Idle engine and while queuing in unrestricted areas
- In adverse weather conditions
- When using a power take-off device
- In traffic
- During mechanical failure
- For certain inspections
CARB Idling Enforcement

- **97 idling inspections in 2020** (90 compliant, 7 violations)
- Field inspections were limited due to COVID-19 safety protocols
- Q1-Q2 2021 inspection data pending review
- Report suspected illegal idling at: **1-800-END-SMOG**

[https://webmaps.arb.ca.gov/edvs/](https://webmaps.arb.ca.gov/edvs/)
“No Idling” Signs

“No Idling” signs remind truck drivers...

✓ Of the California-wide enforced idling rules

✓ That they **cannot idle within 100 ft. of sensitive receptors** (i.e., schools, hospitals, senior and childcare facilities), even if they have a Clean Idle sticker.
CERP ACTIONS AND CSC INPUT

Chapter

Neighborhood Truck Traffic

Action

Reduce illegal idling from heavy-duty trucks (e.g., “No Idling” signs)

Warehouses (On-Site Emissions)

Work with City/County to develop new warehouse standards (e.g., “No Idling” signs)

CSC input received

Install signs near:
- Schools
- Warehouses
- Residential zones
- CSC-identified locations
Proposed "No Idling" Sign Locations*

- 5th Street and N. Mount Vernon Ave
- Kendall Ave and Palm Ave*
- Rancho Ave between Foothill Blvd & Rialto Ave

*Proposed locations are based on previous focused enforcement efforts in SBM

*Within emissions study area
Identify "No Idling" sign locations or criteria to consider

Please provide input on Jamboard sticky note with your name.

LOCATION EXAMPLE:
Tia Juana St. N and W. Kingman St.
-Jane Doe

CRITERIA EXAMPLE:
Near K-12 public schools
-John Doe

*Proposed locations are subject to permitting and other discretionary limitations

https://jamboard.google.com/d/1eoWTJzB-9Ej3thHBha6Bi2dB8IA6rYJPkFKctdYqMdl/edit?usp=sharing

Additional input can be provided to rdalbeck@aqmd.gov by August 27, 2021
NEXT STEPS

- **Jamboard Activity**: Today
- **Compile CSC input* to provide to CARB**: August 27, 2021
- **Work with CARB and local land use agencies to install “No Idling” signs****: September/October

*Any additional input can be provided to rdalbeck@aqmd.gov by August 27, 2021

**Proposed locations are subject to permitting and other discretionary limitations
Automated License Plate Recognition (ALPR) Pilot Study

San Bernardino/Muscoy Community Steering Committee Meeting

August 19, 2021
ALPR Pilot Study

• What is ALPR?
  • Automated License Plate Recognition
  • Collects images of passing vehicles
  • Automated algorithm transcribes license plate images to a searchable text file
ALPR Pilot Project

• Objective
  • Collect heavy-duty vehicle information and assess ability to achieve desired CERP actions prior to larger scale monitoring

• Details
  • Pilot will last for 1 week, Monday – Friday
  • Location based on operation logistics and previous monitoring data

• Proposed Timeline

  July  
  CARB prepared instrumentation

  August-September  
  Determine location in partnership with CSC; Obtain permissions

  October  
  Deploy pilot

  Through early 2022  
  Cross reference with DMV; Data analysis
ALPR Pilot Project: Data Privacy and Use

- Monitoring and Laboratory Division led project
- ALPR data will be used for CERP objectives
- Collected data is subject to CARB ALPR Privacy Policy* and adheres to DMV requirements

*Data Privacy Policy: https://ww2.arb.ca.gov/sites/default/files/2021-07/arb_alpr_privacy_usage_policy_050317.pdf

Picture Credit: LA Times
ALPR Pilot Study: Proposed Locations

- N State Street and 20th Street
- Waterman Ave and Mill Street
- 4th Street Near BNSF Railyards
ALPR Pilot Study: Proposed Locations

4th Street Near BNSF Railyards

Waterman Ave and Mill Street
For More Information

• What is PEAQS and ALPR?
  • Informational video available on Youtube: https://www.youtube.com/watch?v=5kdsRR7_VVE

MLD Monitoring Liaison
Xiaoxi Liu: xiaoxi.liu@arb.ca.gov

MLD PEAQS/ALPR Contact
Jeremy Smith: jeremy.smith@arb.ca.gov
AB 617 TRUCK INCENTIVES WORKSHOP FOR HEAVY-DUTY TRUCKS

WALTER SHEN
PLANNING AND RULES MANAGER
# Background and Recap

Why a project plan for truck incentives?

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<tbody>
<tr>
<td>Why a project plan for truck incentives?</td>
<td>Existing incentive programs are not working for certain fleets and small businesses in AB 617 communities</td>
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<td>Incentive program changes are needed to attract more participants</td>
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<td>Customize incentives to meet the needs of the community (e.g., prioritize small businesses)</td>
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<td></td>
<td>Prioritize funding for trucks in the AB 617 communities</td>
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</table>
Develop a Project Plan for heavy-duty trucks that includes criteria established by the AB 617 communities.

Reduce barriers to access the incentive funds for cleaner trucks in the AB 617 communities.

Modify incentive program for cleaner trucks in the AB 617 communities.

Customize, as needed, for each AB 617 community.

Develop a process for entities seeking funding for cleaner trucks.

**Workshop Dates**

<table>
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<tr>
<th>Workshop</th>
<th>Dates</th>
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<tr>
<td>1\textsuperscript{st}</td>
<td>October 20, 2021</td>
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<tr>
<td>2\textsuperscript{nd}</td>
<td>December 1, 2021</td>
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<tr>
<td>3\textsuperscript{rd}</td>
<td>January 26, 2022</td>
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WHAT’S NEXT

- Upcoming workshop information will be provided
  - Agenda
  - ZOOM link
- Daniel Wong (dwong@aqmd.gov)
AB 617* requires air districts to annually report the progress of CERP implementation.

Report will be updated to include implementation totals to-date.

Annual reports sent to CSC and CARB for review.

CARB may suggest plan revisions to air districts.

*Health and Safety Code §44391.2(c)(7)
OVERVIEW OF REPORT ELEMENTS

- Community Profile Updates
- Overview of CERP Framework
- Status of CERP Actions, Goals and Strategies
- Metrics for Tracking Progress
- Qualitative Assessment
- Summary of Key Plan Adjustments
SBM IMPLEMENTATION HIGHLIGHTS

- Adopted Warehouse Indirect Source Rule (ISR) – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program
- $1.9 million in Year 2 Community Air Protection Program (CAPP) Incentive funds recognized for school air filtration systems
- $10 million in Year 3 CAPP Incentive funds for Community-Identified Projects
  - $5 million to zero-emission trucks
  - $3 million to school air filtration systems and replacement filters
  - $2 million to zero-emission equipment or infrastructure at warehouses
- Approximately $10 million in mobile source incentive projects
- Public community air monitoring dashboard and data display tool have been developed
- Mobile measurements have been conducted in the community since June 2019. Additional mobile monitoring is being conducted by Aclima Inc.
- 6 air quality sensors deployed at community-identified locations
- Continued quarterly idling sweeps, over 140 trucks inspected
TOTAL INVESTMENT IN INCENTIVES

- Future incentive-based emission reductions dependent on program funding

Approximate Emission Reductions based on Total Investment

*Actual totals will be reflected in the annual report and do not include funds allocated for community-identified projects
ANNUAL PROGRESS REPORT TIMELINE

- **August 24**
  - Draft report release*

- **August 31**
  - CSC comment deadline

- **September 17**
  - Stationary Source Committee (Additional public comment)

- **October 1**
  - Governing Board Meeting

- **December 2021**
  - Report submitted to CARB Board for consideration

Questions and/or Comments?

Please submit by **August 31, 2021**
to [rdalbeck@aqmd.gov](mailto:rdalbeck@aqmd.gov)
909-396-2139
AB 617

BUDGET OVERVIEW

CERP IMPLEMENTATION
AB 617 BUDGET OVERVIEW

**Incentives**

- **~$260 Million**
  - Total amount awarded since 2017
  - Community Air Protection Program
    - Mobile Source Projects
    - Community Identified Projects
  - Carl Moyer Program
  - Prop 1B
  - 4th quarter 2020 and 1st quarter 2021 discussions

**Implementation**

- **~$50 Million**
  - Total amount awarded since 2017
  - CSC Stipends
  - Air monitoring equipment, contractors (e.g., ACLIMA), and data visualization
  - Interpretation and facilitation services
  - Staff salaries
  - Today’s discussion

For a review of incentives budget please see:


Grant funds awarded through June 2021 total $52.7 Million

Grant funds awarded for implementation across all South Coast AQMD AB 617 communities

Grant 2020 was received July 2021 for $21.9 Million
• Total AB 617 expenditures through June 2021: $51,648,938*

• Cross community expenditures totaled $16,880,200

• Remaining balance: $1,031,062†

*Expenditures are currently unaudited
†Remaining balance as of 6/30/21 equal to: $52,680,000 - $51,648,938
SBM IMPLEMENTATION EXPENDITURES

**Staff Salaries**

**Services and Supplies**
- Facilitator and Interpreter services
- ACLIMA contract (VOC and BC measurements)
- CSC Stipends
- Cloud data storage
- Rent and leases

**Capital outlays**
- Lab supplies
- Air pollution instrumentation (e.g., BC, ozone, NOx, particle counters)
- Data visualization

**Indirect Costs**
- Overhead costs
- Legal, finance, administration, etc.

*Total expenditures through June 2021*

- **$6,460,296**
  - Staff salaries: **$1,743,457**
  - Services & supplies: **$851,798**
  - Capital outlays: **$302,712**
  - Indirect costs: **$3,562,329**
**Community Needs**

- Community expenditures differ based on community needs, for example:
  - Unique air quality concerns - WCWLB Ports and Refineries require special monitoring contracts
  - Approach to community engagement - ECV had additional community working groups

**Years in AB 617 Program**

- Year 1, 2, and 3 communities have different implementation budgets due to the amount of time they have been in the program
  - Year 1 communities have been under implementation since 2019
  - Year 2 communities have been under implementation since 2021
  - Year 3 communities are still in development phase
Air monitoring updates for the period of June 2019 to August 2021 are now available online:

http://www.aqmd.gov/ab617/monitoring/sbm

Air monitoring activities are ongoing

An interactive progress update is now available

It provides an interpretation of the air monitoring results so far
### CAMP IMPLEMENTATION ACTIVITIES

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<tr>
<th>Fixed Air Monitoring</th>
<th>Mobile Monitoring</th>
<th>Sensor Network</th>
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<tr>
<td>• Measurements at San Bernardino monitoring station</td>
<td>• Mobile measurements in SBM community</td>
<td>• Community-led air quality sensor network</td>
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New Interactive Progress Update is Now Available!

Air Monitoring Progress Report – San Bernardino, Muscoy Community

An interactive explanation of AB 617 monitoring activities in the San Bernardino, Muscoy community

South Coast AQMD has been conducting community air monitoring in San Bernardino, Muscoy (SBM) since July 1st, 2015 as part of their AB 617 program. The air monitoring strategies, including locations and types of pollutants monitored were determined through close collaboration with the Community Steering Committee (CSC) during the development of the Community Air Monitoring Plan (CAMP) and Community Emission Reduction Plan (CERP).

Fixed Monitoring

Mobile Measurements

CAMP Implementation Updates
WHAT TO EXPECT?

• Concentration maps help identify air pollution hotspots

• Interactive dashboards allow data visualization and comparison, as well as access to air monitoring data

• Progress reports provide an update on CAMP implementation
WHERE TO FIND THE PROGRESS REPORTS AND DATA VISUALIZATION TOOLS?

http://www.aqmd.gov/ab617/monitoring/sbm
Access to real-time air monitoring data

Interactive data summaries to visualize, compare and access air measurement data

Interactive air monitoring progress update

Comprehensive progress reports on air monitoring activities related to each air quality priority

Community Air Monitoring Plan (CAMP) and related documents

Air monitoring updates for the period of June 2019 to August 2021 is now available online:

http://www.aqmd.gov/ab617/monitoring/sbm
Q&A

Comments, Questions, Concerns?

Please contact:
Payam Pakbin
ppakbin@aqmd.gov
909-396-2122
Future Agenda Items & CSC Member Updates
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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