Announcements

• Community Tour

Please contact:
Ryan Stromar
rstromar@aqmd.gov
909-396-2637

• Discussion Draft Community Emissions Reduction Plan (CERP) Released
Committee Presenters

• AB 617 is a collaborative effort
• Seeking volunteer Community Steering Committee (CSC) members to present
• Highlight efforts within the Wilmington, Carson, West Long Beach (WCWLB) community that could be part of the AB 617 Community Emission Reduction Plan (CERP)
• Who would you like to hear from?
  • Let us know!
SAN PEDRO BAY PORTS
CLEAN AIR ACTION PLAN

AB 617 Steering Committee Presentation

Tim DeMoss
Air Quality Supervisor
Port of Los Angeles
San Pedro Bay Ports

Diesel Particulate Matter: DOWN
87%

Nitrogen Oxides: DOWN
58%

Sulfur Oxides: DOWN
97%

Greenhouse Gases Equivalent: DOWN
15%

19% TEUs UP

2023 77%

2023 59%

2023 93%

www.cleanairactionplan.org
Overview

OCEAN-GOING VESSELS
HARBOR CRAFT
ON-ROAD TRUCKS
TERMINAL EQUIPMENT
LOCOMOTIVES
EFFICIENCY IMPROVEMENTS

2017 CAAP Update Strategies
Ocean-Going Vessels

- Increase vessel speed reduction compliance within 40 nautical miles
- Use at-berth emission reduction technologies
- Incentivize energy efficiency upgrades and clean technologies
- Develop a Clean Ship Program to transition the oldest, most polluting ships out of the fleet
• Advance the Clean Trucks Program and transition to zero-emission trucks by 2035

• Adopt a reservation system at terminals to improve trucks turn times
Terminal Equipment

- Transition to zero emissions terminal equipment by 2030
- Limit idling
• Expand use of on-dock rail
• Accelerate deployment of cleaner harbor craft engines
• Encourage improvements in freight efficiencies
• Develop Green Terminal Recognition Program
• Ensure energy infrastructure is available to support use of cleaner technologies
Technology Development

- Demonstrations of Zero and Near Zero Emission On-Road Trucks
- Demonstrations of Harbor Craft Technologies
- Zero Emission Switcher Locomotive Demonstration
- Vessel Energy Efficiency Improvements Evaluation
- Demonstrations of Near Zero and Zero Emission Terminal Equipment
Long Beach Alliance for Children with Asthma (LBACA)

Sylvia Betancourt

Project Manager, LBACA

[Placeholder slide for LBACA]
Los Angeles Community Environmental Enforcement Network

Wilmington Community Air Quality Monitoring Station

1st Community Organization Air Quality Monitoring Station In Southern California

February 26, 2014

OPEN HOUSE & LAUNCH

Coalition For A Safe Environment
Governmental Agency Project Grant Sponsors Who Attended Included

US EPA, California EPA, California Air Resources Board, California Dept. Of Toxic Substances Control
Wilmington, Carson & San Pedro Residents Discuss Their Air Quality Concerns & Interest In Community Organization Air Quality Monitoring
Tour Of The Wilmington Air Quality Monitoring Station Fence-Line To Conoco-Phillips 66 Oil Refinery
Wilmington Air Quality Monitoring Station Located On Resident Home Roof Top
AirBase Multi-Sensor Air Quality Monitoring Station Version I
CFASE Designed Solar Panel Renewable Energy Source & 8 Hour - 12 VDC Backup Battery Supply

AirBase Multi-Sensor Air Quality Monitoring Station Version II
CFASE Designed Larger Solar Panel Renewable Energy Source
7 Day 24 Hour - 12 VDC Backup Battery Supply
Monitor on Wilmington home's roof to provide air-quality answers

Environmental activists monitoring pollution from Phillips 66 refinery in Wilmington

Wilmington Resident Dwight Peleti Volunteers Home Roof Top
Wilmington Air Quality Monitoring Station Located On CFASE Office Roof Top 2019

Coalition For A Safe Environment

Member AIRE Collaborative
5-Member California Environmental Justice Organizations
40+ IVAN AQ Monitoring Stations Network
Wilmington Weather Station

What is MaxiMet?

MaxiMet is an advanced compact weather station designed and manufactured by Gill Instruments using proven technology to measure meteorological and environmental parameters to international standards.
Los Angeles Community Environmental Enforcement Network

Project Grant Sponsors

US Environmental Protection Agency
California Environmental Protection Agency
Environmental Justice Small Grants Program

California Department of Toxic Substances Control
Environmental Justice Program

Collaborative Partners

Comite Civico Del Valle
IVAN ONLINE

CFASE Administrative Grant Support Sponsors

The California Wellness Foundation
Liberty Hill Foundation
Source Attribution: TAG Meeting Overview
# Technical Advisory Group (TAG):

<table>
<thead>
<tr>
<th>Primary Member</th>
<th>Alternate Member</th>
</tr>
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<tbody>
<tr>
<td>Jesse Marquez (Coalition for a Safe Environment)</td>
<td>Flavio Mercado (Active Resident – Wilmington)</td>
</tr>
<tr>
<td>Jill Johnston (University of Southern California)</td>
<td></td>
</tr>
<tr>
<td>Uduak-Joe Ntuk (City of Los Angeles)</td>
<td>Tim DeMoss (Port of Los Angeles)</td>
</tr>
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</table>
Discussion Draft of the Community Emissions Reductions Plan (CERP) and Measuring Success: Goals
Discussion Draft Community Emissions Reductions Plan (CERP)

- Main chapters released early June: [http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/wilm](http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/wilm)
- Discussion draft – *not final*, can still receive comments and edit language
- Incorporated CSC input from meetings & one-on-ones

The Chapter where it’s most critical to receive input/feedback/comments is **Chapter 5 – Actions to Reduce Community Air Pollution**

In addition, the Technical Advisory Group will be discussing the Chapter 3 section on Source Attribution analysis at their next meeting.
CERP Discussion Draft Comment Period

• Today’s discussion will be included as part of comments received
• In general, we will address comments after the end of the comment period for the Discussion Draft CERP
• Comments and responses will be posted online or as part of the CERP

Submit comments via online form by June 24, 2019 for the next draft

Chapter 5: Actions to Reduce Community Air Pollution

- Each air quality priority is listed as a subchapter, as seen below:

<table>
<thead>
<tr>
<th>Subchapter</th>
<th>Discussion Draft - June 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chapter 5a – Actions to Reduce Air Pollution</td>
<td>Discussion Draft - June 2019</td>
</tr>
<tr>
<td>Emissions or Exposures – Overview</td>
<td>Discussion Draft - June 2019</td>
</tr>
<tr>
<td>Chapter 5b – Refineries</td>
<td>Discussion Draft - June 2019</td>
</tr>
<tr>
<td>Chapter 5c – Ports</td>
<td>Discussion Draft - June 2019</td>
</tr>
<tr>
<td>Chapter 5d – Neighborhood Truck Traffic</td>
<td>Discussion Draft - June 2019</td>
</tr>
<tr>
<td>Chapter 5e – Oil Drilling and Production</td>
<td>Discussion Draft - June 2019</td>
</tr>
<tr>
<td>Chapter 5f – Rail Yards</td>
<td>Discussion Draft - June 2019</td>
</tr>
<tr>
<td>Chapter 5g – Schools, Childcare Centers and Homes</td>
<td>Discussion Draft - June 2019</td>
</tr>
</tbody>
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For more information: [http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/wilm/cerp](http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/wilm/cerp)
## Using the Action Template (Example)

1. **Action**
   - What the Action will do

2. **Course of Action**
   - How the Action will be completed

3. **Strategy**
   - Type of involvement for the action (e.g., Exposure Reduction, Monitoring, Enforcement, Public Information and Outreach, Rules and Regulations, Incentives)

4. **Goal**
   - Achievements to address the Action

5. **Estimated Timeline**
   - When we are expected to begin

6. **Implementing Agency, Organization, Business or Other Entity**
   - Who is responsible for the Action

7. **References**
   - Where more information can be found

### Action 2: Reduce Exposure to Harmful Air Pollutants at Schools

**Course of Action:**
- Continue the installation of school air filtration systems with priority given to schools near truck routes, railyards, and/or major freeways
- Explore opportunities for additional schools and funding to provide filter replacements for schools already equipped with high efficiency filtration systems

**Strategy:**
- Exposure Reduction

**Goal:**
- Installation of air filtration systems in [insert number of filtration systems to be discussed by CSC members] schools with priority given to [insert prioritizing filters to be discussed by CSC members]
- Provide filter replacements for [insert number of schools] for up to a five year period with priority given to [insert prioritizing filters to be discussed by CSC members]

**Estimated Timeline:**
- Mid-2020, begin installation of air filtration systems in [insert number of schools] schools

**Implementing Agency, Organization, Business or Other Entity:**
<table>
<thead>
<tr>
<th>Name: South Coast AQMD</th>
<th>Responsibility: Installation of air filtration systems in schools</th>
</tr>
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<tbody>
<tr>
<td>[School Districts]</td>
<td>Partner with South Coast AQMD on installation of school air filtration systems and/or filter replacement programs</td>
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</table>

**References:**
For more information on air filtration in schools:
**Goals: Measuring Success**

**Action 2: Reduce Exposure to Harmful Air Pollutants at Schools**

**Course of Action:**
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**References:**
For more information on air filtration in schools: [https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf](https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf)

- **Goals** are achievements to address the Action
- Completing the goals are a measure of success
- CERP is a “living document” and goals can be adjusted as new information becomes available. For example, this may include:
  - Monitoring and emissions data
  - New technologies
  - New funding sources or programs
  - New collaborations or partnerships
  - New or amended rules
Discuss Goals for Ch 5b: Refineries

Action 1: Improve Flare Notifications

• Work with stakeholders to gather input on elements to incorporate into flare notifications
• Develop informational public health outreach materials that provide guidance on reducing exposure to refinery flaring emissions
• Implement flare notification improvements
• Hold [specify number] of community workshops to provide training on how to use notification systems
• Provide quarterly or biannual updates to the CSC on progress

Action 2: Monitoring forLeaks

• Begin initial mobile monitoring at each of the 8 facilities (petroleum refineries and related facilities, in Table 5-1) in summer 2019, and conduct periodic mobile monitoring at these facilities
• Establish Smart LDAR techniques to identify, quantify, and locate leaks in real time allowing for faster repair
• Conduct follow-up inspections on an as-needed basis
• Provide quarterly or biannual updates to the CSC on progress

Action 3: Reduce Flaring

• If determined to be feasible, reduce refinery flaring emissions by at least 50% (through rule development)

Implementing Agency, Organization, Business, or Other Entity:
• South Coast AQMD
• Refineries
• CSC members
• Departments of Public Health
Discuss Goals for Chapter 5c: Ports

**Action 1: Reduce Leaks from Oil Tankers**
- Evaluate monitoring data on a regular basis to identify potential leaking vessels
- Provide quarterly or biannual updates to the CSC on South Coast AQMD enforcement activities regarding fugitive emission leaks from oil tankers
- Collaborate with CARB and United States Coast Guard to evaluate pressure relief valve calibration and maintenance methods, and effectiveness in preventing fugitive emission leaks

**Action 2: Reduce Emissions from Ships and Harbor Craft**
- Conduct [fill in number] of outreach events over the next [fill in number] years in the ports area to provide information about incentives
- Complete technology demonstration for retrofitting ships (ocean-going vessels, OGVs)
- Work with authorities in Asia to collaborate on a Pacific Rim clean vessel incentive program
- Participate in CARB rule development

**Action 3: Reduce Emissions from Port Equipment (Cargo-Handling Equipment) and Drayage Trucks**
- Provide biannual updates on CARB’s rule developments for drayage trucks and cargo handling equipment, ports’ CAAP measures, and Facility-Based Mobile Source Measure for Ports, and seek community input on progress

**Implementing Agency, Organization, Business, or Other Entity:**
- South Coast AQMD
- CARB
- Pacific Rim Authorities and ports (including Ports of Los Angeles & Long Beach)
Discuss Goals for Chapter 5d: Neighborhood Truck Traffic

Action 1: Reduce Truck Idling
- Conduct \([X \text{ amount of}]\) focused inspections and targeted sweeps within a \([\text{insert proposed timeframe}]\)

Action 2: Reduce Emissions from Heavy-Duty Trucks
- Organize \([\text{insert number}]\) of incentive outreach events per year and provide biannual updates to the CSC
- Provide biannual updates on CARB’s rule development for drayage trucks, and seek community input on progress
- \([\text{CARB enforcement goal placeholder -- CSC, please provide input to CARB regarding where enhanced enforcement should occur}]\)

Implementing Agency, Organization, Business, or Other Entity:
- South Coast AQMD
- CARB
Discuss Goals for Chapter 5e: Oil Drilling and Production

**Action 1: Reduce Air Pollution Leaks from Oil Wells and Associated Activity at these Facilities**
- Conduct screening measurements around all accessible active, idle and abandoned oil wells to identify leaking wells
- Identify the highest priority locations in the community for monitoring during a well workover event
- Conduct follow-up inspections if persistent elevated levels are found through monitoring, and enforcement action where appropriate
- Make monitoring data publicly available (at aqmd.gov)
- Provide quarterly or biannual updates to the CSC on progress and findings

**Action 2: Improved Public Information and Notifications on Activities at Oil Drilling and Production Sites**
- Develop informational fact sheets and info-graphics that provide guidance on reducing exposure to oil drilling and production site activities, and summaries of the findings from monitoring and inspection activities
- Improve Rule 1148.2 notifications based on stakeholder input
- Hold \[specify number\] of community workshops to provide training on how to use notification systems
- Provide quarterly or biannual updates to the CSC on progress

**Action 3: Evaluate Feasibility to Amend Rule 1148 Series to Reduce Emissions and Require Additional Reporting**
- If a rule amendment is determined to be feasible, pursue rule development to reduce emissions from leaks and operations and enhance reporting requirements
- Work with stakeholders to gather input on elements to incorporate in reporting
- Provide quarterly or biannual updates to the CSC on progress

**Implementing Agency, Organization, Business, or Other Entity:**
- South Coast AQMD
- CSC members
- Depts. of Public Health
- Community Organizations
- DOGGR
- City of Los Angeles
Discuss Goals for Chapter 5f: Railyards

Action 1: Reduce Emissions from Railyards

- Provide biannual updates on new requirements being developed by CARB and South Coast AQMD to the CSC
- Prioritize reducing air pollution from railyards located in environmental justice communities, such as, Wilmington, Carson, West Long Beach
- Replace diesel equipment at railyards through incentive funding programs

Implementing Agency, Organization, Business, or Other Entity:
- South Coast AQMD
- CSC members
- CARB
Discuss Goals for Chapter 5g: Schools, Childcare Centers, and Homes

**Action 1: Reduce Exposure to Harmful Air Pollutants through Public Outreach to Schools and Childcare Centers**

- Participate in \[\text{fill in number}\] public outreach events (e.g., health fairs, Earth week event) at schools or childcare centers on information relating to air quality and reducing exposure
- Provide \[\text{fill in number}\] childcare centers with information relating to air quality effects on young children and reducing exposure, prioritizing centers based on CSC input
- Implement EJCP CARE and Kids Making Sense programs at \[\text{fill in number}\] schools
- Collaborate with community-based organizations to cohost outreach meetings
- Encourage school districts to reduce the number of vehicle miles traveled and/or participate in programs such as Safe Routes to Schools

**Action 2: Reduce Exposure to Harmful Air Pollutants at Schools**

- Installation of air filtration systems in \[\text{insert number of filtration systems to be discussed by CSC members}\] schools with priority given to \[\text{insert prioritizing filters to be discussed by CSC members}\]
- Provide filter replacements for \[\text{insert number of schools}\] for up to a five year period with priority given to \[\text{insert prioritizing filters to be discussed by CSC members}\]

**Implementing Agency, Organization, Business, or Other Entity:**
- South Coast AQMD
- Departments of Public Health
- School Districts
- Community based organizations
Chapter 5g: Schools, Childcare Centers, and Homes (Cont.)

Action 3: Reduce Exposure to Harmful Air Pollutants in Homes
- Partner with other entities [insert collaborating entities] to determine new or existing programs that can provide home filtration systems
- If funding or programs become available, share information with CSC members

Action 4: Increase Green Space in Areas Where People Spend Time
- Partner with other entities (i.e. Los Angeles County Department of Public Health) to determine new or existing sources or programs that can provide funding to coordinate tree planting
- If funding or programs become available, share information with CSC members

Implementing Agency, Organization, Business, or Other Entity:
- South Coast AQMD
- Public Health Departments
- School Districts
- Community based organizations
Estimated Timelines

**Action 2: Reduce Exposure to Harmful Air Pollutants at Schools**

**Course of Action:**
- Continue the installation of school air filtration systems with priority given to schools near truck routes, railyards, and/or major freeways
- Explore opportunities for additional schools and funding to provide filter replacements for schools already equipped with high efficiency filtration systems

**Strategy:**
- Exposure Reduction

**Goal:**
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**References:**
For more information on air filtration in schools: https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf

**Review Timelines and Send Comments through online form:**

- Actions include providing updates to the CSC, some as early as Fall 2019
- Rulemaking or rule development process takes several months to years for adoption
  - Rulemaking cannot begin earlier than 2020
  - CARB’s rule process is longer than South Coast AQMD’s
- Some actions require obtaining equipment or devices which can affect the estimated implementation date
- Outreach efforts may begin as soon as incentive or emissions data information becomes available
California Air Resource Board
Enforcement Actions
California Air Resources Board
Enforcement Efforts in Your Community - Past, Present, and Future

June 2019
Wilmington – Carson – West Long Beach
AB 617 Community Steering Committee Meeting
CARB Enforcement Programs

- Statewide Trucks & Buses
- Idling Trucks & Buses
- Drayage Vehicles
- Ocean Going Vessels
- Shore Power
- Commercial Harbor Craft
- Cargo Handling Equipment
- Heavy-duty Vehicle Inspection Program
- Off-Road
- Transportation Refrigeration Units
- SmartWay
- Solid Waste Collection Vehicles
- Fuels
- Consumer Products
CARB Past Enforcement Actions in the Wilmington – Carson – West Long Beach Communities

- Roughly 1200 heavy-duty vehicle and fuel inspections from 2015 – 2018; almost 2200 port inspections from 2015 -2018
- Less than 100 heavy-duty vehicle, fuel, and port inspected units found in non-compliance from 2015 -2018
- Settlement Agreement (SA) actions - Railroads
- CARB Supplemental Environmental Projects in SCAQMD
Map of Enforcement Activities 2015 - 2018

Diesel vehicles activity
2015 – 2018

Port activity 2015 -2018

2194 total inspections at ports from 2015 -2018

48 violations

19 pending cases

Wilmington – Carson – West Long Beach Communities

Highest mobile source priorities: Truck traffic – idling; port and rail yards
CARB Three-Year Enforcement History 2016 -2018 for Wilmington – Carson – West Long Beach Communities

<table>
<thead>
<tr>
<th>Year/Type</th>
<th>HDVIP</th>
<th>Off-Road</th>
<th>Statewide Truck &amp; Bus</th>
<th>Fuels</th>
<th>Total</th>
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<tr>
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<td>20</td>
<td>0</td>
<td>20</td>
<td>246</td>
<td>286</td>
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<tr>
<td>2016 NCU</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2016 % Compliance</td>
<td>100%</td>
<td>N/A</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>2017 Field Inspections</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>290</td>
<td>293</td>
</tr>
<tr>
<td>2017 NCU</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>2017 % Compliance</td>
<td>N/A</td>
<td>0%</td>
<td>N/A</td>
<td>95%</td>
<td>94%</td>
</tr>
<tr>
<td>2018 Field Inspections</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>208</td>
<td>209</td>
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<tr>
<td>2018 NCU</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2018 % Compliance</td>
<td>N/A</td>
<td>100%</td>
<td>N/A</td>
<td>99.5%</td>
<td>99.5%</td>
</tr>
<tr>
<td>Total 2016 – 2018 Inspections</td>
<td>25</td>
<td>3</td>
<td>20</td>
<td>744</td>
<td>788</td>
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<tr>
<td>Total 2016 - 2018 NCU</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>16</td>
<td>19</td>
</tr>
<tr>
<td>Total 2016 - 2018 % Compliance</td>
<td>100%</td>
<td>25%</td>
<td>100%</td>
<td>98%</td>
<td>98%</td>
</tr>
</tbody>
</table>

NCU = Non-compliant unit; see CARB Resource Slides for total listing of “Type” definitions.

*Port inspections are separate – see map slide for 2016 - 2018 inspections*
Enhanced Enforcement: Additional Fleet Audits (STEP – Streamlined Truck Enforcement Program)

In addition to roadside inspections, we also conduct fleet audits.

Between Jan 2018 to May 2019, 286 fleets were audited in WCWLW.

A total of 859 vehicles were audited.

Registration holds were placed on 389 of those vehicles and 63 were brought into compliance.
Upcoming and in Progress CARB Enforcement Actions in Your WCWLB Community

- Focused roadside and idling enforcement in and around your community in June/July 2019
- Focused enforcement in railyards and ports for cargo handling equipment
- Settlement Agreement actions
- Supplemental Environmental Projects – Over $400k school air filters in SCAQMD
Supplemental Environmental Projects (SEPs)

- Improve public health
- Reduce pollution
- Increase environmental compliance
- Bring public awareness

SEPs are community-based projects funded from a portion of the penalties received during CARB settlement of enforcement actions.
Six funded SEPs in SCAQMD

Examples of Projects:

• Paid environmental education internships
• Planting trees
• Writing articles to inform community about air pollution and resources
• Conducting research (e.g., air monitoring, truck traffic survey)
• School air quality education programs and filtration systems
More SEPs are Possible in Your Community by Submitting a Project Proposal

- Reduce direct/indirect air emissions or exposure to air pollution
- Relate to the violation
- Not benefit the violator
- Go above and beyond regulatory requirements

If project meets requirements to left, please submit a proposal by filling out a SEP Proposal Form (https://calepa.ca.gov/sep-proposal-form/)

*Higher consideration given to projects within, or that benefit, disadvantaged communities.*
Possible CARB Enforcement Actions for your Community

- Truck Idling Sweeps Coordinated with SCAQMD
- Targeted Enforcement of our Regulations
- Outreach/MOUs/Educational Material
- Additional Consumer Products/Fuels Enforcement
Questions, Input, Brainstorming

What do you want to know more about?

What efforts do you have input on?

What creative enforcement/outreach solutions can we explore together to improve air quality here?
CARB Enforcement Contacts

Visit the TruckStop for more detailed compliance info.: www.arb.ca.gov/truckstop or contact CARB’s diesel hotline at 866-6DIESEL (866-634-3735) or email: 8666diesel@arb.ca.gov.

To report a violation to CARB: Call 1-800-END-SMOG (288-7664) or report online at: https://calepa.ca.gov/enforcement/complaints

CARB Community Outreach and Enforcement Section: COES@arb.ca.gov
CARB Enforcement Resource Slides

California Air Resources Board
CARB Enforcement Role in Wilmington – Carson – West Long Beach CERP

- Compile three-year enforcement and compliance history within the community corridor
- Provide statistics CSC can use to establish compliance goals and identify enforcement-related strategies in the CERP
- Create community-led joint district and CARB enforcement plan within the CERP
- Conduct enforcement actions within the CERP
- Monitor and reevaluate within five years
CARB Responsibilities

Protect public health from the harmful effects of air pollution and developing programs and actions to fight climate change.

Implement and enforce local, state and federal air pollution control laws and regulations applicable to stationary sources.
SB 1: Registration Requirements

Starting in 2020, in order to register a truck or bus subject to CARB’s regulations with the California Department of Motor Vehicles (DMV), that vehicle needs to be in compliance according to the following schedule:

<table>
<thead>
<tr>
<th>Vehicle Model Year</th>
<th>DMV Begins Compliance Verification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000 and older</td>
<td>January 1, 2020</td>
</tr>
<tr>
<td>2001 – 2005</td>
<td>January 1, 2021</td>
</tr>
<tr>
<td>2006 – 2007</td>
<td>January 1, 2022</td>
</tr>
<tr>
<td>2008 – 2010</td>
<td>January 1, 2023</td>
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<tr>
<td>2005 – 2007</td>
<td>January 1, 2021</td>
</tr>
<tr>
<td>2008 – 2010</td>
<td>January 1, 2023</td>
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Truck and Bus Rule and Idling Restrictions Enforcement

• **Statewide Trucks and Buses:** All vehicles with 2009 or older engines weighing over 14,000 pounds must reduce exhaust emissions by upgrading to 2010 or newer engines by 2023. SB 1 will deny DMV registration to non-compliant vehicles. [https://www.arb.ca.gov/msprog/onrdiesel/documents/tbfinalreg.pdf](https://www.arb.ca.gov/msprog/onrdiesel/documents/tbfinalreg.pdf)

• **Idling Trucks and Buses:** CARB conducts idling sweeps to ensure regulatory truck and bus idling limits are not exceeded. Those limits are:
  • Up to five minutes in areas other than schools and more than 100 feet from other restricted areas such as residential areas, hotels/motels, hospitals, and senior and child care facilities.
  • Newer engines (2008+) shut down automatically after five minutes of idling or are low NOx emissions DPM filtered exhaust engines.
  • Truck and bus idling is prohibited at schools with a few exceptions.
  • Truck and buses with *Clean Idle* stickers are exempt.
Ports and Railyards Enforcement Programs

We are in ports and railyards regularly enforcing these regulations:

• **Drayage**: Drayage vehicles move goods by certified heavy-duty diesel vehicles (HDV). HDV that enter a port or intermodal facility are required to be certified to meet clean emission standards. [https://www.arb.ca.gov/msprog/onroad/porttruck/finalregdrayage.pdf](https://www.arb.ca.gov/msprog/onroad/porttruck/finalregdrayage.pdf)

• **Commercial Harbor Craft**: This regulation is intended to reduce diesel particulate matter and nitrogen oxides emissions from diesel engines used on commercial harbor craft operated in California waters located within 24 nautical miles of the California coast. The regulation includes requirements for new and in-use (existing) engines as well as monitoring, recordkeeping, and reporting requirements. [https://ww2.arb.ca.gov/our-work/programs/commercial-harbor-craft](https://ww2.arb.ca.gov/our-work/programs/commercial-harbor-craft)

• **Ocean Going Vessels**: This regulation is designed reduce particulate matter, nitrogen oxides, and sulfur oxide emissions from ocean-going vessels. [https://www.arb.ca.gov/ports/marinevess/ogv/ogvrules.htm](https://www.arb.ca.gov/ports/marinevess/ogv/ogvrules.htm)

• **Shore Power**: The purpose of the At-Berth Regulation is to reduce emissions from diesel auxiliary engines on container ships, passenger ships, and refrigerated-cargo ships while berthing at a California Port. [https://www.arb.ca.gov/ports/shorepower/shorepower.htm](https://www.arb.ca.gov/ports/shorepower/shorepower.htm)

• **Cargo Handling Equipment**: ARB staff investigates opportunities to reduce idling emissions from cargo handling equipment used at ports and intermodal rail yards. [https://www.arb.ca.gov/ports/cargo/cargo.htm](https://www.arb.ca.gov/ports/cargo/cargo.htm)
Heavy-duty Vehicle Inspection Program (HDVIP)

We conduct regular roadside heavy-duty vehicle inspections for the following:

- **HDVIP - Diesel Emission Fluid**: Diesel engines equipped with Selective Catalytic Reduction (SCR) all use a liquid urea solution as the reductant, known commonly as diesel exhaust fluid (DEF). This fluid is used in the SCR to reduce NOx emissions. [https://www.arb.ca.gov/msprog/onrdiesel/regulation.htm](https://www.arb.ca.gov/msprog/onrdiesel/regulation.htm)

- **HDVIP – Emission Control Label**: Engine certification labeling requirements that certify that engines meet clean emission standards. [https://www.arb.ca.gov/enf/hdvip/bip/bip.htm](https://www.arb.ca.gov/enf/hdvip/bip/bip.htm)

- **HDVIP – Smoke/Tampering**: Requires heavy-duty trucks and buses to be inspected for excessive smoke and tampering. [https://www.arb.ca.gov/enf/hdvip/bip/finalreg.pdf](https://www.arb.ca.gov/enf/hdvip/bip/finalreg.pdf)
Other Vehicle Enforcement Programs

- **Off-Road**: Regulations aimed at cleaning up ‘off-road’ construction equipment such as bulldozers, graders, and backhoes. These requirements are in place to help ensure that diesel soot filters are installed on off-road equipment. [https://www.arb.ca.gov/msprog/ordiesel/documents/finalregorder-dec2011.pdf](https://www.arb.ca.gov/msprog/ordiesel/documents/finalregorder-dec2011.pdf)

- **SmartWay**: The Tractor-Trailer Greenhouse Gas Regulation requires 53-foot or longer dry van or refrigerated van trailers and the tractors that pull them on California highways to use certain equipment that the U.S. Environmental Protection Agency SmartWay program has verified or designated to meet their efficiency standards. [https://arb.ca.gov/cc/hdghg/technologies.htm](https://arb.ca.gov/cc/hdghg/technologies.htm)

- **Transport Refrigeration Units**: Inspect secondary engines to ensure TRUs meet labeling and clean air requirements. [https://ww3.arb.ca.gov/diesel/tru/documents/fro_10-16-12.pdf](https://ww3.arb.ca.gov/diesel/tru/documents/fro_10-16-12.pdf)

- **Solid Waste Collection Vehicles**: Fleet-based regulation requiring retrofit or purchase of cleaner engines to reduce diesel particulate matter emissions. [https://www.arb.ca.gov/msprog/swcv/swcv.htm](https://www.arb.ca.gov/msprog/swcv/swcv.htm)
Other Enforcement Programs

- **Fuels**: CARB enforces our regulations related to gas, diesel, and racing fuels as well as storage of fuels from refineries through transportation to distribution at fuel service stations. [https://www.arb.ca.gov/enf/fuels/fuels.htm](https://www.arb.ca.gov/enf/fuels/fuels.htm)

- **Consumer Products**: Consumer Products – CARB enforces the regulatory requirements for chemically formulated consumer products, fuel containers, and indoor air cleaning products that emit volatile organic compounds, toxic air contaminants and greenhouse gases, and include the following products: cleaning compounds; composite wood products, floor finishes; cosmetics; personal care products; home, lawn, and garden products; aerosol paints; and automotive specialty products. [https://www.arb.ca.gov/consprod/consprod.htm](https://www.arb.ca.gov/consprod/consprod.htm); [https://www.arb.ca.gov/enf/compwood.htm](https://www.arb.ca.gov/enf/compwood.htm)
Additional Enforcement Activities

We are working on compiling complete enforcement activity for the CERP from 2016 – 2018. We have partial additional data for the following programs:

- Fuels
- Consumer products
- Aftermarket parts
Fuels Enforcement Criteria

Fuels enforcement activity focuses on inspections of fuels and storage tanks

- **Diesel, gas and racing fuels inspections**
  - Low Carbon Fuel Standard enforcement ensures reported emission reductions are real to promote a level playing for all fuel suppliers
  - Fuels must meet formulation standards at production, transport, and dispensing facilities

- **Cargo tank vapor recovery**
  - Ensures reduced VOC emissions from gasoline cargo tanks
Consumer Products Enforcement Criteria

Account for over ten percent of VOC emissions that contribute to smog formation statewide and can also emit carcinogenic toxic air contaminants.

Who needs to comply?
- Manufacturers, marketers, distributors, wholesalers, retailers, and consumers

Specific examples of what is enforced
- Enforces limits of formaldehyde, a carcinogenic toxic air contaminant, for composite wood products
- VOC emissions limits enforced for aerosol coatings
- Antiperspirants/deodorants must be free of toxic air contaminants and meet VOC emissions limits
Aftermarket Parts Enforcement Activities

We ensure new add-on and modified aftermarket parts demonstrate that they do not adversely affect emissions or emission control systems.

Examples of illegal aftermarket parts/tampering practices in California:

- Diesel particulate filter delete kits
- Engine control module tampering
- Selective catalytic reduction delete kits

Where enforced?

Part manufacturers, distributors, automobile dealers, general and automotive retailers, marine equipment stores, motorcycle shops, etc. at stores and online.
Enforcement Process

1. Identify and report a potential violation
2. Evaluate information
3. Notify responsible party
4. Opportunity to discuss
5. Outcomes, remedies & penalties
All of these are Potential Violations
Reporting

Reporting potential violations of air quality requirements can provide important information for enforcement:

calepa.ca.gov/enforcement/complaints

1 (800) END-SMOG

1(800) CUT-SMOG
Evaluating Information

- Inspections: Site visits to learn about potential violations
- Determine compliance status and required actions
- Write inspection reports
- Issue compliance documents
Notice of Violation (NOV)/Citation

- Process to notify responsible party for violations
- Based on excess emissions
- Listing facts, laws, and regulations
- Include CARB enforcement contact information
Opportunity to Discuss

Responsible party may provide further facts for consideration by CARB regarding NOV

This discussion often becomes a negotiation between CARB and the responsible party
Outcomes/Remedies

Compliance

Appropriate pollution prevention actions

Settlement Agreements / Case resolution

Penalties: Designed to remove any economic benefit from responsible party and deter future violations
Examples of Settlement Agreements in SCAQMD

Railyard drayage truck violations
UP agreed to truck turn away program through 2020 and paid fines
BSNF instituted truck compliance Rail Pass reporting system and helped fund local SEP through fines

Refinery tank fuel sampling exceeded limits
Paid fines

Ocean-going vessels exceeded fuel sulfur emissions within coastal waters
Paid fines

And many more...
See CARB annual enforcement reports for statewide enforcement efforts https://www.arb.ca.gov/enf/reports/reports.htm
Summary of SEPs in SCAQMD

- Community teen paid internship conducting hands-on climate change teaching and research projects for visitors at the California Science Center
- South LA Urban Greening and Community Forestry Project will plant and maintain 300 trees over five years in public parkways with the help of local volunteers raising awareness and restoring ecosystem functions
- Community Voices on Health and the Environment will hire three community members to write monthly articles identifying environmental health hazards and community member resources in Wilmington
- CFASE Survey of Freight Truck Transportation Corridors will gather data needed for community and government entities to develop future land use planning policy in Wilmington
- Kids Making Sense air monitoring/improving air quality grades 6-12 education and empowerment program offered at local schools, including Dana Middle School in San Pedro to help students and community members improve air quality and reduce their exposure to air pollution
- School Air Filtration Systems SEP will install IQ Air filtration systems in schools throughout the South Coast Air Quality Management District in the second half of 2019
Likely agenda items for CSC Meeting #8:

- Discuss comments received for CERP
- Implementation of the CAMP

Future meeting dates and locations:

- CSC Meeting #8: July 11th (6:00 p.m. - 8:30 p.m.) at Wilmington Senior Center

Is the CSC okay with these topics?
Any additional topics?
Other upcoming meetings of interest:

• **Refinery Committee**
  • **Saturday, June 22\(^{nd}\)** at 10:00 a.m. at South Coast AQMD Headquarters
  • Torrance and Valero refineries
  • Meeting will be webcast: [https://www.aqmd.gov/home/news-events/webcast](https://www.aqmd.gov/home/news-events/webcast)

• **Refinery Fenceline Monitoring Community Meetings**
  • **Tuesday, June 25\(^{th}\)** at 6:00 p.m. at Wilmington Senior Center
    • Phillips 66, Tesoro, and Valero refineries
  • **Wednesday, June 26\(^{th}\)** at 6:00 p.m. at El Camino College
    • Chevron and Torrance refineries

• **Stationary Source Committee**
  • **Friday, July 26\(^{th}\)** at 10:30 a.m. South Coast AQMD Headquarters
  • Meeting will be webcast: [https://www.aqmd.gov/home/news-events/webcast](https://www.aqmd.gov/home/news-events/webcast)
Thank you for the hard work!

More information on AB 617: [www.aqmd.gov/AB617](http://www.aqmd.gov/AB617)

Email: AB617@aqmd.gov

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