

Community Air Initiatives

Wilmington, Carson, West Long Beach
Community Steering Committee
Meeting #7

*Thursday, June 13, 2019
Wilmington Senior Center
Wilmington, CA*



Announcements

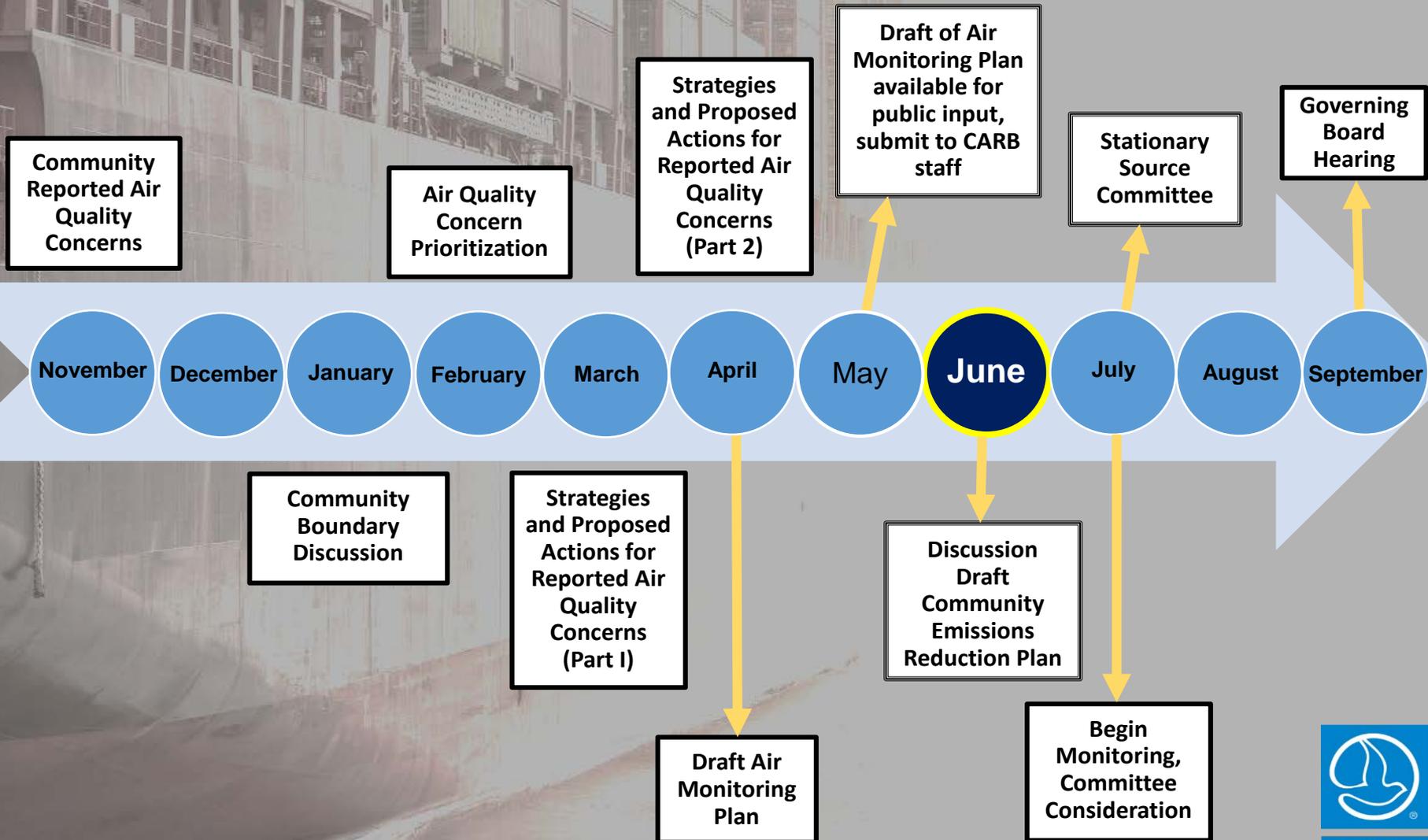
- Community Tour

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

- Discussion Draft
Community
Emissions Reduction
Plan (CERP) Released



WCWLB Progress



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!

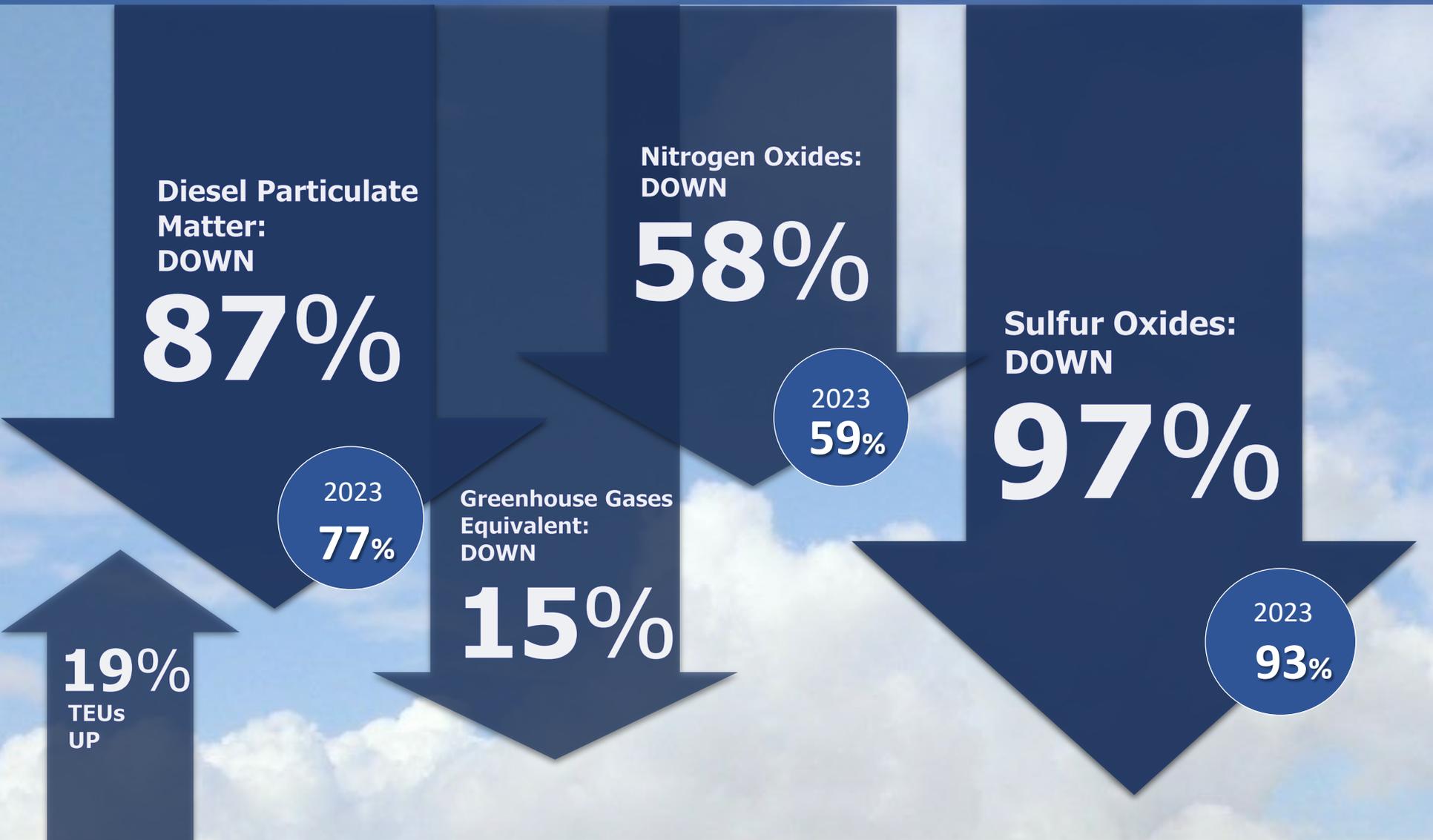
The background of the slide is a wide-angle photograph of a busy port. In the foreground, there are stacks of colorful shipping containers (blue, red, yellow, green) and several large blue gantry cranes. In the middle ground, there are more containers and a road with some vehicles. In the background, there are hills and more port infrastructure, including a bridge with green towers. The sky is clear and blue.

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 Air Quality Improvements (2005-2017)



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

Heavy-Duty Trucks



- 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



Additional 2017 CAAP Update Highlights

- **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

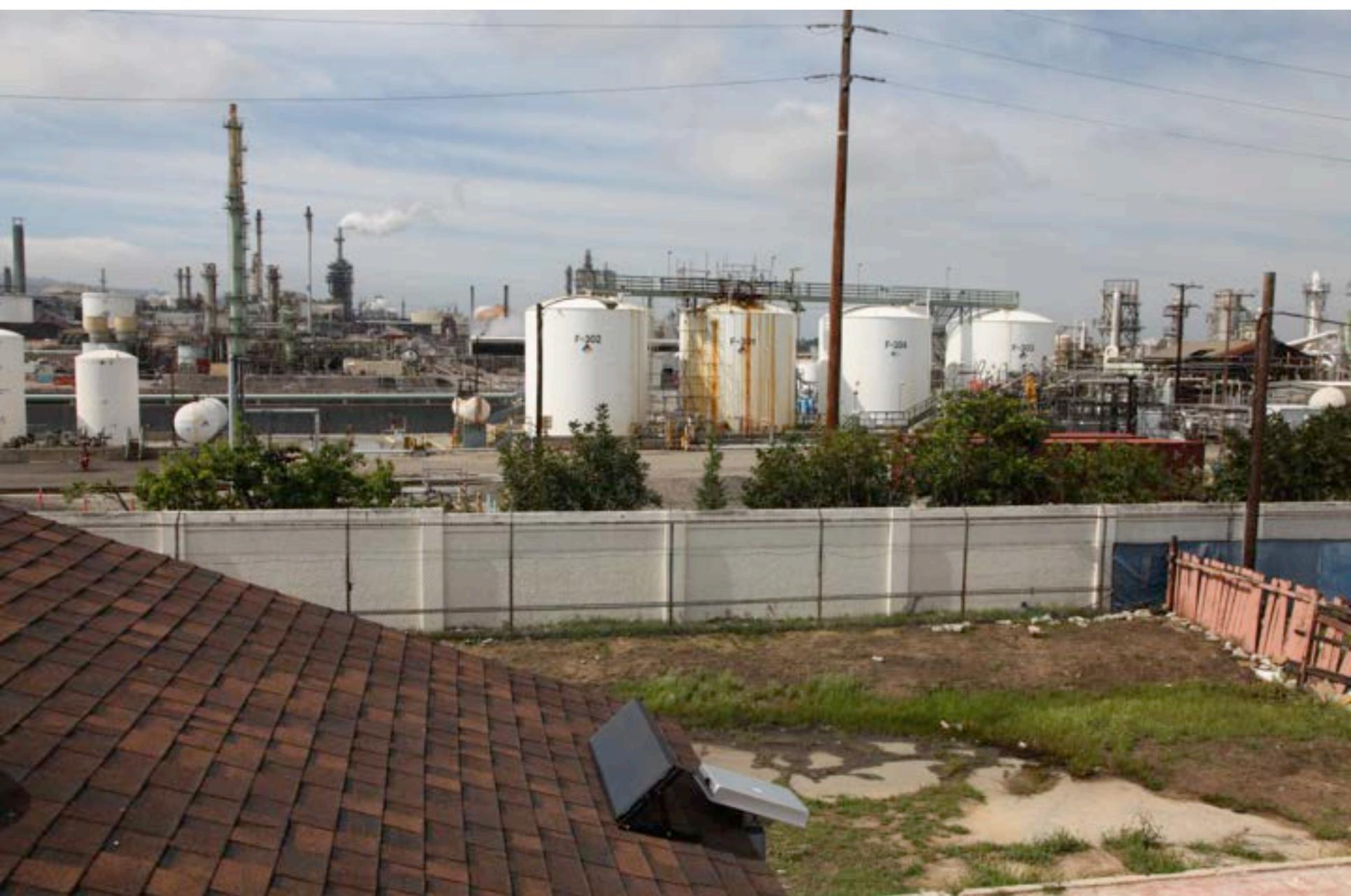
US EPA, California EPA, California Air Resources Board, California Dept. Of Toxic Substances Control



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



Daily Breeze

March 6, 2014

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

OPERATIONAL JUNE 2019

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.



MaxiMet GMX600

- Wind
- Temperature
- Humidity
- Pressure
- Precipitation
- Compass





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):

Primary Member	Alternate Member
Jesse Marquez (Coalition for a Safe Environment)	Flavio Mercado (Active Resident – Wilmington)
Jill Johnston (University of Southern California)	
Uduak-Joe Ntuk (City of Los Angeles)	Tim DeMoss (Port of Los Angeles)

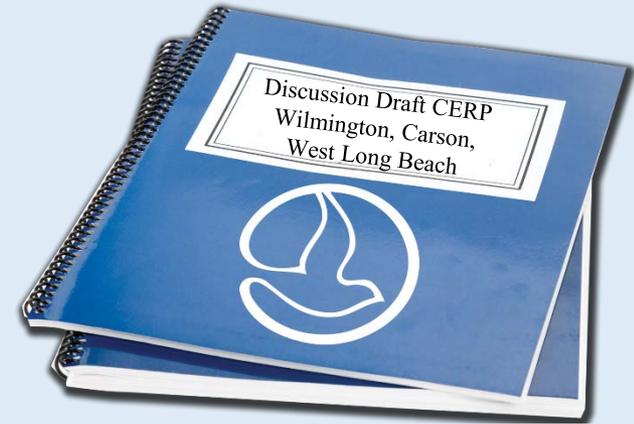
Discussion Draft of the Community Emissions Reductions Plan (CERP) and Measuring Success: Goals

Discussion Draft Community Emissions Reductions Plan (CERP)

- Main chapters released early June:

<http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/wilm>

- 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

<https://onbase-pub.aqmd.gov/sAppNet/UnityForm.aspx?key=UFKey>

Chapter 5: Actions to Reduce Community Air Pollution

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

Chapter 5a – Actions to Reduce Air Pollution Emissions or Exposures – Overview	Discussion Draft - June 2019
Chapter 5b – Refineries	Discussion Draft - June 2019
Chapter 5c – Ports	Discussion Draft - June 2019
Chapter 5d – Neighborhood Truck Traffic	Discussion Draft - June 2019
Chapter 5e – Oil Drilling and Production	Discussion Draft - June 2019
Chapter 5f – Rail Yards	Discussion Draft - June 2019
Chapter 5g – Schools, Childcare Centers and Homes	Discussion Draft - June 2019

Using the Action Template (Example)

1	Action 2: Reduce Exposure to Harmful Air Pollutants at Schools						
2	<p>Course of Action:</p> <ul style="list-style-type: none"> 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 						
3	<p>Strategy:</p> <ul style="list-style-type: none"> Exposure Reduction 						
4	<p>Goal:</p> <ul style="list-style-type: none"> Installation of air filtration systems in <i>[insert number of filtration systems to be discussed by CSC members]</i> schools with priority given to <i>[insert prioritizing filters to be discussed by CSC members]</i> Provide filter replacements for <i>[insert number of schools]</i> for up to a five year period with priority given to <i>[insert prioritizing filters to be discussed by CSC members]</i> 						
5	<p>Estimated Timeline:</p> <ul style="list-style-type: none"> Mid-2020, begin installation of air filtration systems in <i>[insert number of schools]</i> schools 						
6	<p>Implementing Agency, Organization, Business or Other Entity:</p> <table border="1"> <thead> <tr> <th>Name:</th> <th>Responsibility:</th> </tr> </thead> <tbody> <tr> <td>South Coast AQMD</td> <td>Installation of air filtration systems in schools</td> </tr> <tr> <td>[School Districts]</td> <td>Partner with South Coast AQMD on installation of school air filtration systems and/or filter replacement programs</td> </tr> </tbody> </table>	Name:	Responsibility:	South Coast AQMD	Installation of air filtration systems in schools	[School Districts]	Partner with South Coast AQMD on installation of school air filtration systems and/or filter replacement programs
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South Coast AQMD	Installation of air filtration systems in schools						
[School Districts]	Partner with South Coast AQMD on installation of school air filtration systems and/or filter replacement programs						
7	<p>References:</p> <p>For more information on air filtration in schools: https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf</p>						

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

Goals: Measuring Success

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:

Name:	Responsibility:
South Coast AQMD	Installation of air filtration systems in schools
[School Districts]	Partner with South Coast AQMD on installation of school air filtration systems and/or filter replacement programs

References:

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

4

- **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 for Leaks

- 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 amount of*] focused inspections and targeted sweeps within a [*insert proposed timeframe*]

Action 2: Reduce Emissions from Heavy- Duty Trucks

- Organize [*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
- [*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
- CARB
- CSC members

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 *[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 *[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 *[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 *[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]*

Implementing Agency, Organization, Business, or Other Entity:

- South Coast AQMD
- School Districts
- Departments of Public Health
- 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
- School Districts
- Public Health Departments
- Community based organizations

Estimated Timelines

Action 2: Reduce Exposure to Harmful Air Pollutants at Schools	
Course of Action:	
<ul style="list-style-type: none"> 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:	
<ul style="list-style-type: none"> Exposure Reduction 	
Goal:	
<ul style="list-style-type: none"> Installation of air filtration systems in <i>[insert number of filtration systems to be discussed by CSC members]</i> schools with priority given to <i>[insert prioritizing filters to be discussed by CSC members]</i> Provide filter replacements for <i>[insert number of schools]</i> for up to a five year period with priority given to <i>[insert prioritizing filters to be discussed by CSC members]</i> 	
Estimated Timeline:	
<ul style="list-style-type: none"> Mid-2020, begin installation of air filtration systems in <i>[insert number of schools]</i> schools 	
Implementing Agency, Organization, Business or Other Entity:	
Name:	Responsibility:
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References:	
For more information on air filtration in schools: https://www.aqmd.gov/docs/default-source/ceqa/handbook/aqmdpilotstudyfinalreport.pdf	

5

Review Timelines and Send Comments through online form:
<https://onbase-pub.aqmd.gov/sAppNet/UnityForm.aspx?key=UFKey>

- 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



Comm-
ercial
Harbor
Craft



Cargo
Handling
Equipment



Heavy-duty
Vehicle
Inspection
Program



Off-Road



Transport-
ation
Refriger-
ation
Units



SmartWay



Solid
Waste
Collection
Vehicles

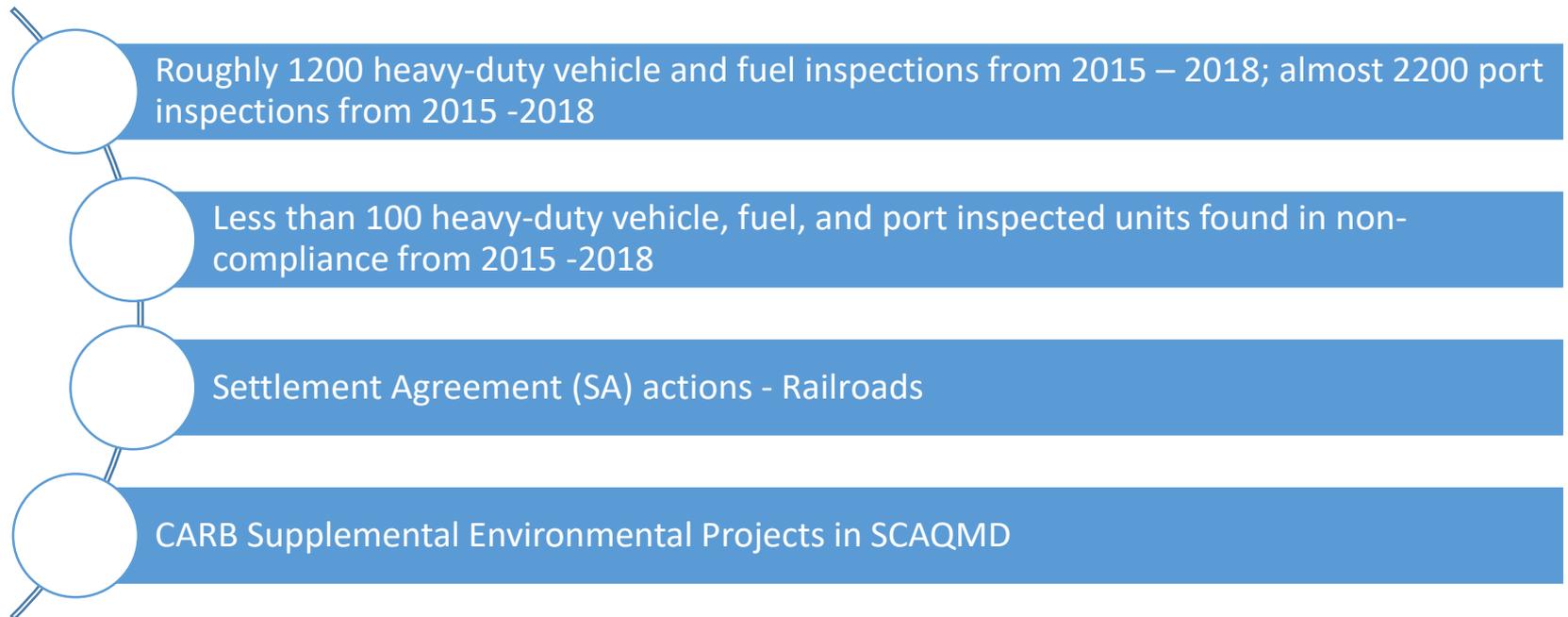


Fuels



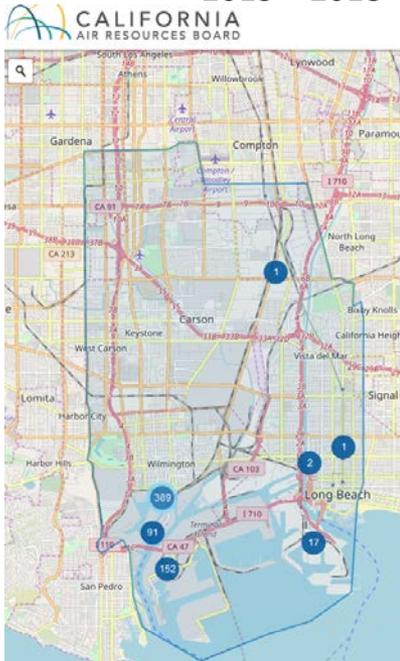
Consumer
Products

CARB Past Enforcement Actions in the Wilmington – Carson – West Long Beach Communities

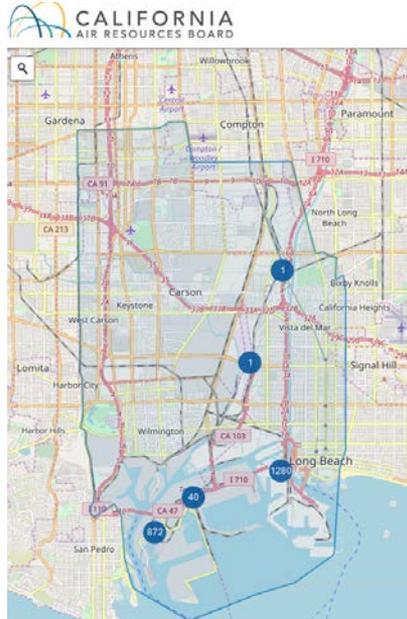


Map of Enforcement Activities 2015 - 2018

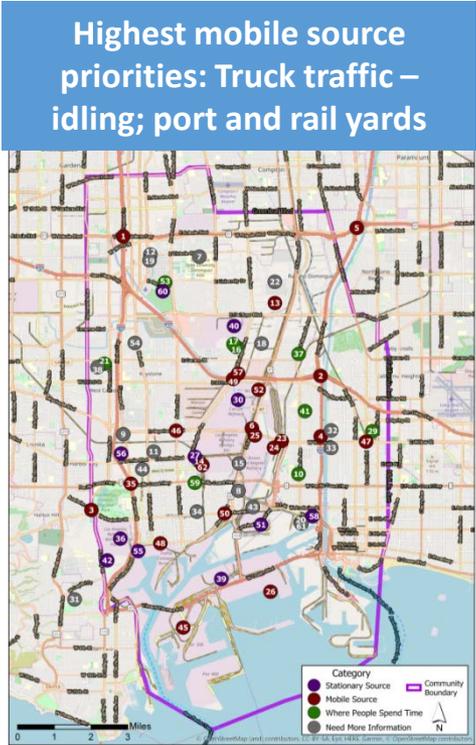
Diesel vehicles activity
2015 – 2018



Port activity 2015 -2018



2194 total inspections at ports from 2015 -2018
48 violations
19 pending cases



Wilmington – Carson – West Long Beach Communities

CARB Three-Year Enforcement History 2016 -2018 for Wilmington – Carson – West Long Beach Communities

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

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 WCWLB
- 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

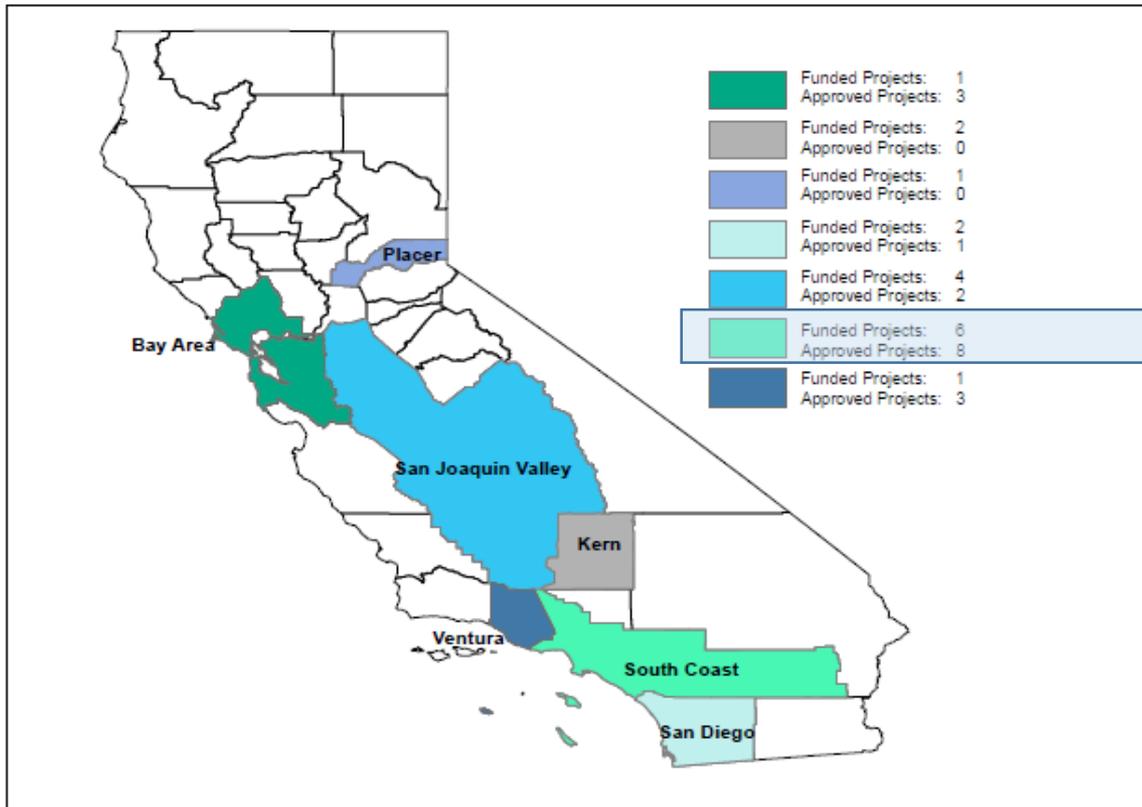
- Focused roadside and idling enforcement in and around your community in June/July 2019
- Focused enforcement in railyards and ports for cargo handling equipment
- Settlement Agreement actions
- Supplemental Environmental Projects – Over \$400k school air filters in SCAQMD

Supplemental Environmental Projects (SEPs)



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

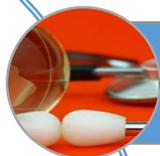
Six funded SEPs in SCAQMD



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

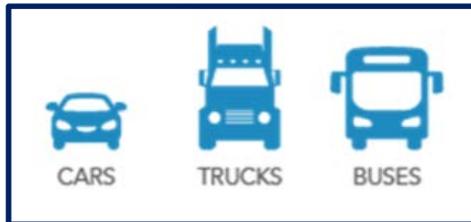
Conduct enforcement actions within the CERP

Monitor and reevaluate within five years

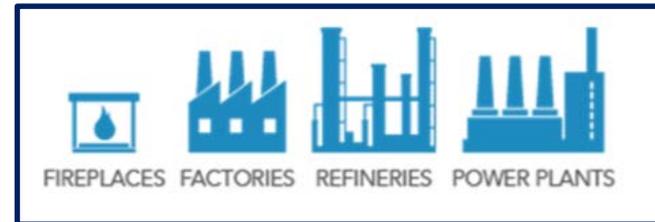
CARB Responsibilities



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:

Heavier Vehicles (>26,000 pounds gross vehicle weight)	
Vehicle Model Year	DMV Begins Compliance Verification
2000 and older	January 1, 2020
2001 – 2005	January 1, 2021
2006 – 2007	January 1, 2022
2008 – 2010	January 1, 2023

Lighter Vehicles (14,001 – 26,000 pounds gross vehicle weight)	
Vehicle Model Year	DMV Begins Compliance Verification
2004 and older	January 1, 2020
2005 – 2007	January 1, 2021
2008 – 2010	January 1, 2023

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>
- **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>
- **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>
- **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>
- **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>
- **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>

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>
- **HDVIP – Emission Control Label:** Engine certification labeling requirements that certify that engines meet clean emission standards. <https://www.arb.ca.gov/enf/hdvp/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/hdvp/bip/finalreg.pdf>

Other Vehicle Enforcement Programs

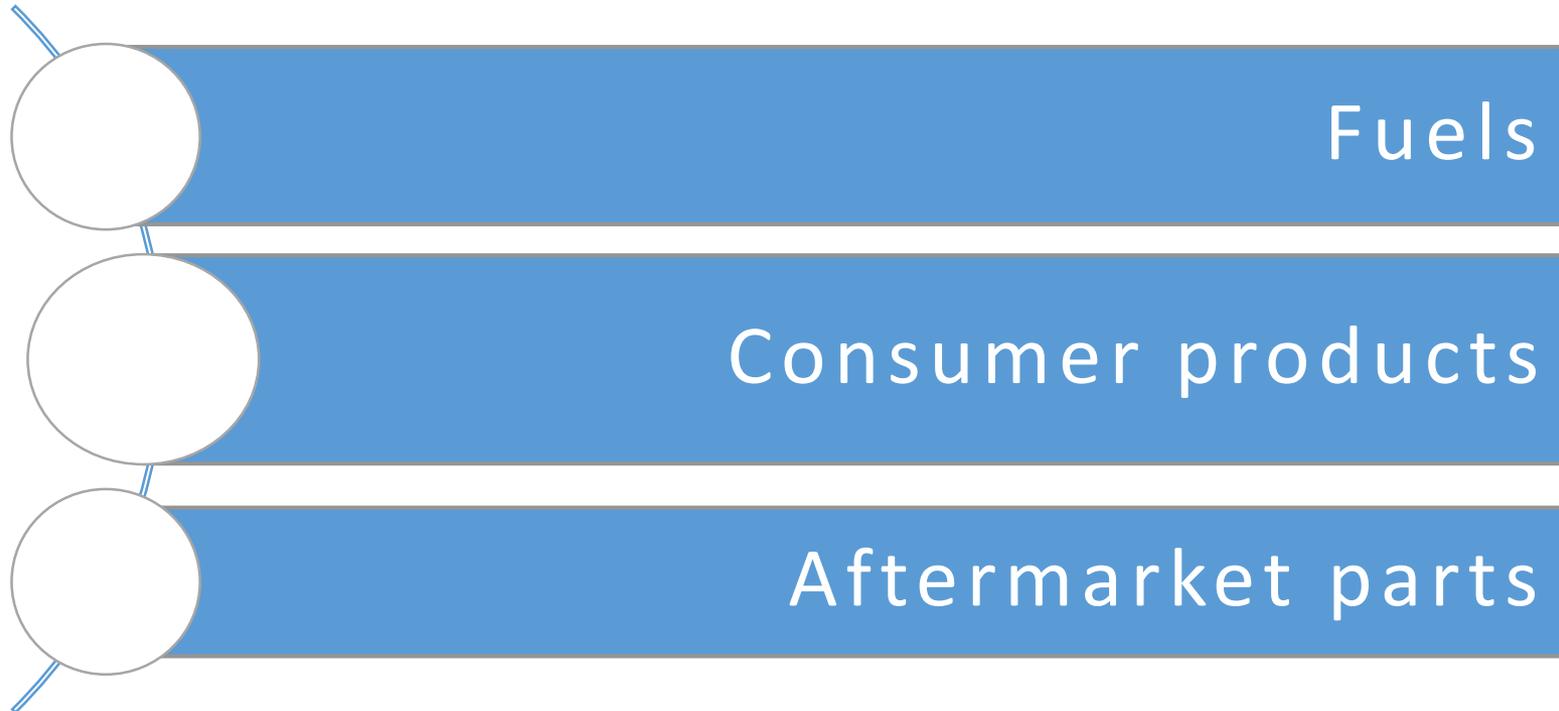
- **Off-Road:** Regulations aimed at cleaning up 'off-road' construction equipment such as bulldozers, graders, and backhoes. These requirements are in place to help ensure that diesel soot filters are installed on off-road equipment.
<https://www.arb.ca.gov/msprog/ordiesel/documents/finalregorder-dec2011.pdf>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

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>
- **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/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 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

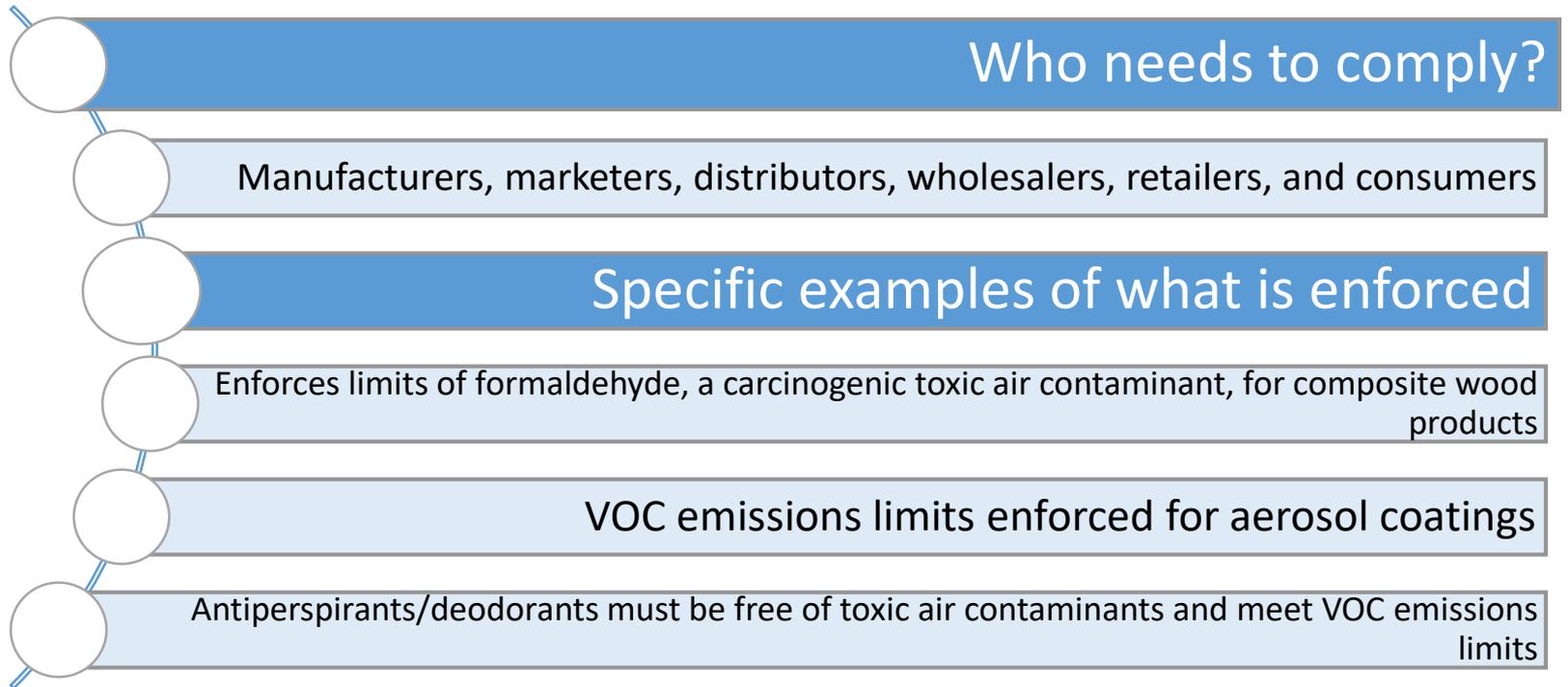
Fuels must meet formulation standards at production, transport, and dispensing facilities

Cargo tank vapor recovery

Ensures reduced VOC emissions from gasoline cargo tanks

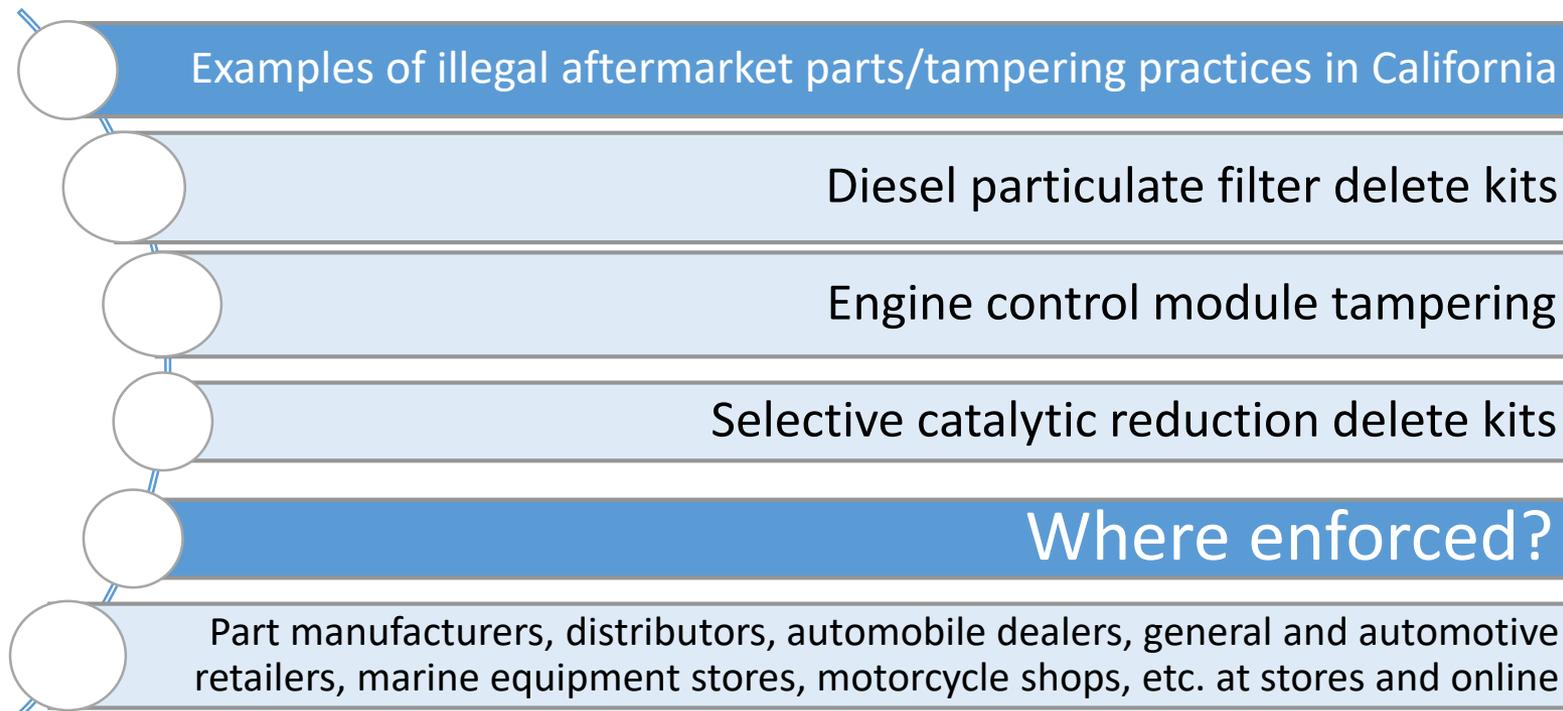
Consumer Products Enforcement Criteria

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



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.





Enforcement Process



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

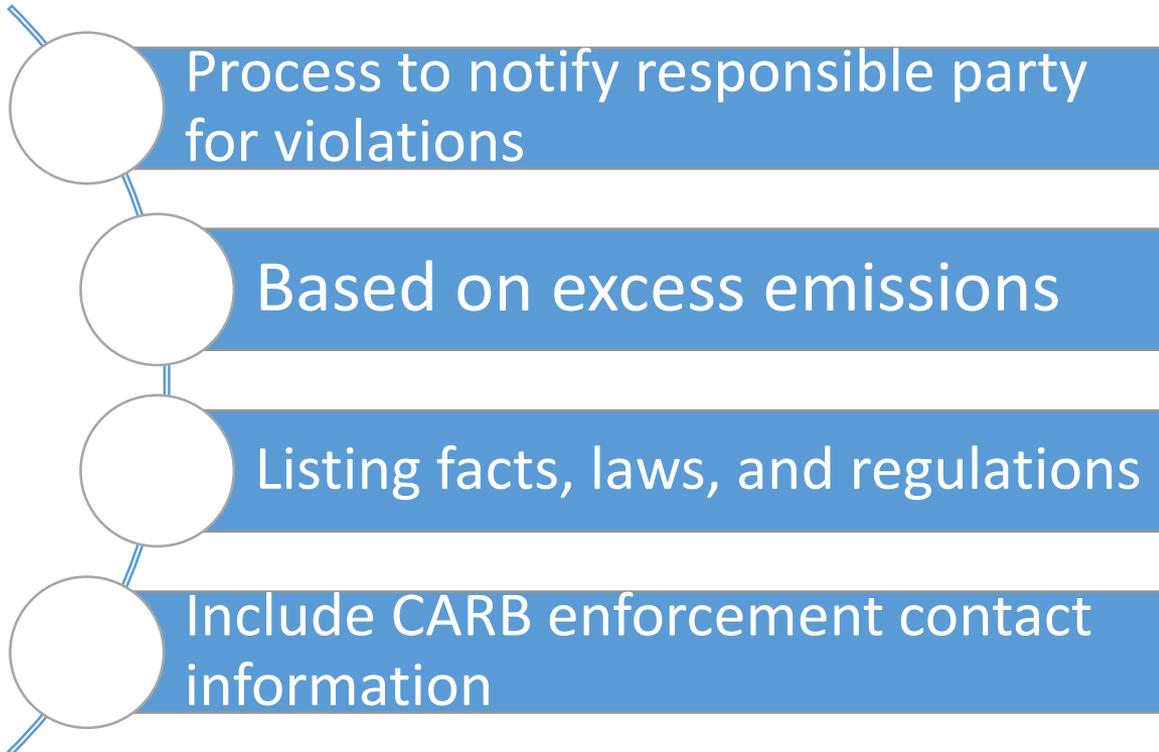


1(800) CUT-SMOG

Evaluating Information



Notice of Violation (NOV)/Citation



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



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

Next steps and important reminders

Future meeting dates and locations:

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

Likely agenda items for CSC Meeting #8:

- Discuss comments received for CERP
- Implementation of the CAMP

**Is the CSC okay
with these topics?**

**Any additional
topics?**

Other upcoming meetings of interest:

Other upcoming meetings of interest:

- **Refinery Committee**

- **Saturday, June 22nd** 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>

- **Refinery Fenceline Monitoring Community Meetings**

- **Tuesday, June 25th** at 6:00 p.m. at Wilmington Senior Center
 - Phillips 66, Tesoro, and Valero refineries
- **Wednesday, June 26th** at 6:00 p.m. at El Camino College
 - Chevron and Torrance refineries

- **Stationary Source Committee**

- **Friday, July 26th** at 10:30 a.m. South Coast AQMD Headquarters
- Meeting will be webcast: <https://www.aqmd.gov/home/news-events/webcast>

Thank you
for the hard work!

More information on AB 617:

www.aqmd.gov/AB617

Email: AB617@aqmd.gov

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