

AB 617 COMMUNITY STEERING COMMITTEE

Wilmington, Carson, West Long Beach
December 9, 2020



AGENDA



- CSC Membership 2021
- AB 617 Incentives Strategy
- Community Emissions Reduction Plan (CERP) Updates
 - Implementation Timeline Overview
 - Enforcement Update
 - South Coast AQMD
 - CARB
- Community Air Monitoring Plan (CAMP) Updates
- AB 2588 Phillips 66 Recap
- Agenda Items for Next Meeting
- CSC Member Updates
- Public Comment

CSC MEMBERSHIP 2021

■ Current CSC Members

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

■ New Applicants

- CSC Interest Form available at:
<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committee-interest-form.pdf?sfvrsn=34>
- Send CSC Interest Form or Questions to:
Ryan Stromar at rstromar@aqmd.gov or 909-396-2637

AB 617 Incentives Strategy – Year 3 CAPP Incentives

Walter Shen
Program Supervisor



CAPP INCENTIVE FUNDS FOR SOUTH COAST AQMD

Statewide

South Coast AQMD

FY2017-2018
\$250 M
(AB 134)

Mobile sources
consistent with Moyer
and Prop 1B

\$107.5 M

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

FY2018-2019
\$245 M
(SB 856)

Expand to stationary
and community
identified projects

\$85.6 M

Mobile and stationary sources
in designated communities
and DACs

FY2019-2020
\$245 M
(AB 74)

Guidelines from
previous years

\$79.4 M

To Be Discussed

CAPP Incentives Grant (Year 3)

FY 2019-20 Funds	Amount
Total Grant Amount	\$79,431,606.99
Administrative Funds (6.25%)	\$4,964,475.44
Funds Available for Projects:	\$74,467,131.55
SB 535 Funding Target (72%)	\$53,616,334.72
AB 1550 Funding Target (80%)	\$59,573,705.24

- South Coast AQMD must submit an advance payment form with a proposed list of projects to CARB by 5/1/2021.
- These incentive funds must be fully expended by June 30, 2025.

Guideline Requirements for Year 3 CAPP Incentives

- Carl Moyer Program 2017 Guidelines (April 27, 2017)
- Clean trucks meeting the criteria of Proposition 1B – Goods Movement Emission Reduction Program Guidelines (2015)
- Community Air Protection Incentives Guidelines (revised October 2020). Including the new Chapter 6 for stationary sources and community-identified projects
- Other incentive projects and programs included in an approved Community Emission Reduction Program (CERP)

Grant Requirements (Cont'd)

- Zero emission projects whenever feasible, including charging/fueling infrastructure for medium and heavy-duty vehicles
- Emissions reductions in communities most impacted by cumulative pollution burden, with a focus on vehicles, equipment and infrastructure that operate in AB 617 communities selected by CARB or under consideration for future selection
- No less than 72% of the funds for projects in disadvantaged communities (72% for South Coast AQMD)
- No less than 80% of the funds for projects in AB 1550 communities
- Projects consistent with the priorities identified by the communities

Summary of Community Input

- Public Consultation Meeting on 10/15/2020:

Summary of Top Priorities from Breakout Rooms

Emission Reductions Directly Benefitting the Community (with respect to community needs such as proximity to sensitive receptors)

Zero-Emission and Near-Zero Emission Projects

Affordability (Equitable) for Small Business Truck Owners (availability of local funds, prioritizing incentives for small companies, financial assistance)

Focus on Projects in Communities that Received Less Funding

Funding for Other Community-Based Projects (off-road, air filtration, tree planting, solar tech)

Focus on Rural Projects (Agricultural projects near home and schools)

Focus on Air Toxics Projects

Examples of Eligible Projects

Carl Moyer Program

- Trucks
- Transit buses
- Refuse trucks
- Public agency/utility vehicles
- Emergency vehicles
- Construction/Ag
- Marine Vessels
- Shore Power
- Locomotives
- Cargo Handling
- Infrastructure

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

Prop 1B – Goods Movement Program

- Trucks
- Shore Power
- Locomotives
- Cargo Handling
- TRUs

- **2009 - Present**
- **\$486 Million**
- **7,503 vehicles/equipment**
- **Emissions Reduced (tpy):**
NOx: 7,285 PM: 220

Examples of Eligible Projects – Cont'd



Hexavalent
Chrome

*Stationary
Source*



Air Filtration
Systems

Schools



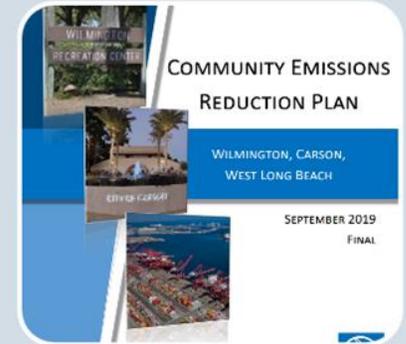
Zero-
emission lawn
& garden for
schools

Schools



Composite
Wood

Schools



Community-
identified
projects

Other Community-Identified Projects

- Must be consistent with strategies identified in the CERP
- Must follow 2019 Community Air Protection Incentives Guidelines
 - New Chapter 6 for stationary source and community-identified projects (approved October 2020)
- Submit a Project Plan containing all criteria outlined in Chapter 6 (project identification, community support, eligibility requirements, funding amounts, project selection criteria and reporting requirements)
- Air districts must receive approval of the Project Plan from CARB prior to implementation
- 60 days for review/approval

Mobile Source Project Proposals Received (2020) – Within AB 617 Communities

Proposed Projects in AB 617 Communities	Project Costs (\$)	NOx Reductions (tons/yr)	PM Reductions (tons/yr)
East Los Angeles, Boyle Heights, West Commerce (YR 1)	\$613,769	0.7	0.05
Wilmington, Carson, West Long Beach (YR 1)	\$18,517,774	66.6	1.60
San Bernardino, Muscoy (YR 1)	\$429,259	0.3	0.02
Eastern Coachella Valley (YR 2)	\$13,798,131	53.1	4.20
Southeast Los Angeles (YR 2)	\$4,403,576	2.7	0.13
Total	\$37,762,509	123.4	6.00

Additional Mobile Source Project Proposals Received (2020) – not in AB 617 communities

Technology/Category	Project Costs(\$)	Within 5 Miles of AB 617 Community (\$)	Funding Requested by Small or Minority Business	NOx Reductions (tons/yr)	PM Reductions (tons/yr)
Zero Emission Projects:					
Vehicles/Equipment	\$9,948,860	\$531,266	None	19.1	0.83
Infrastructure	\$9,404,385	\$5,264,160	None	n/a	n/a
Near-Zero Emission Projects:					
Vehicles/Equipment	\$1,198,136	\$62,721	\$62,721	7.5	0
Infrastructure	\$10,597,874	\$3,249,836	None	n/a	n/a
Other projects within 5 miles of an AB 617 Community (in DAC/low-income)	\$3,837,943	\$3,837,943	\$2,333,944	38.3	2.46
Total	\$34,987,198	\$12,945,926	\$2,396,665	64.9	3.29

Note: All small and minority business projects evaluated are included in above categories.

WCWLB CERP Actions – Eligible Incentive Areas

AQ Priority	Incentive Related Components by Action
Ports	Replace older ship and harbor craft engines with cleaner models
Ports	Replace older ports equipment with cleaner models
Truck Traffic and Freeways	Replace older trucks with cleaner models, support related infrastructure
Railyards	Zero-emission infrastructure installation Replace diesel equipment with cleaner models
Schools, Childcare Centers, Etc.	School air filtration systems and/or replacement filters
Schools, Childcare Centers, Etc.	Home air filtration systems
Schools, Childcare Centers, Etc.	Tree planting (native, drought tolerant)

Next Steps

Working with CSCs:

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

For the remaining funds:

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

Discussion – Year 3 CAPP Incentives

1. What do you think about funding the mobile source projects in the 5 communities (\$37 million)?
2. What do you think about funding the additional proposals received:

	All	Within 5 miles	Small Business
Zero-emission projects	a	b	(N/A)
Near-zero emission projects	c	d	e
Other projects in disadvantaged communities near AB617 communities	f	(N/A)	g

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

CERP IMPLEMENTATION

UPDATE – 4TH QUARTER 2020

Wilmington, Carson, West Long Beach
December 9, 2020

ASSEMBLY BILL (AB) 617
COMMUNITY AIR INITIATIVES

COMMUNITY EMISSIONS REDUCTION PLAN

WILMINGTON, CARSON,
WEST LONG BEACH

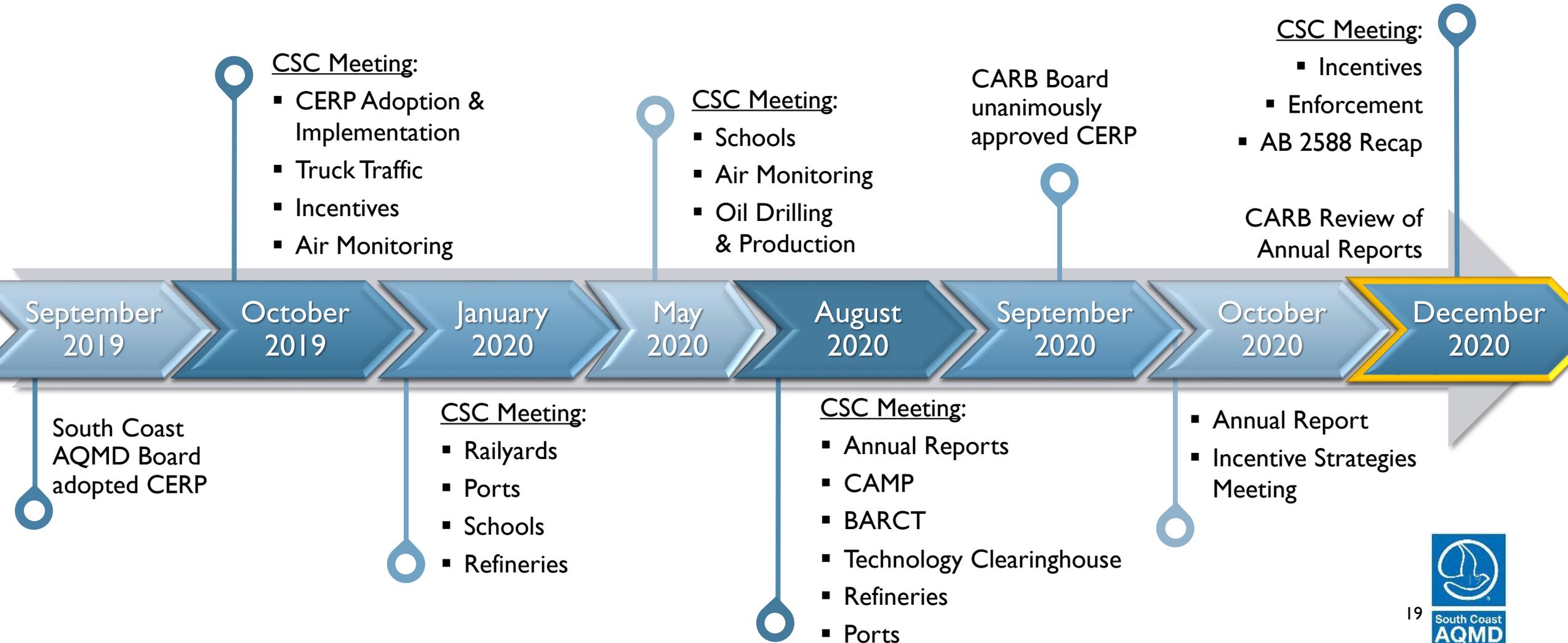
SEPTEMBER 2019
FINAL



SOUTH COAST
AIR QUALITY MANAGEMENT DISTRICT



WCWL B CERP IMPLEMENTATION



2021 CSC QUARTERLY UPDATE SCHEDULE

CSC Meeting*:

- CARB Commercial Harbor Craft
- Refineries
- Air Monitoring
- Rules & Regulations

CSC Meeting*:

- Enforcement
- Ports
- Railyards
- Oil Drilling & Production

Newsletter Updates

February

May

July

August

October

November

CSC Meeting*:

- Schools
- FBMSM
- Oil Drilling & Production

CSC Meeting*:

- Annual Report
- Refineries
- Schools
- Truck Traffic

Annual Report

Newsletter Updates

*Meeting topics subject to change based on CSC input

OFFICE OF COMPLIANCE & ENFORCEMENT



WCWLB UPDATE

PAVAN RAMI

Staff Specialist

INSPECTION TYPES

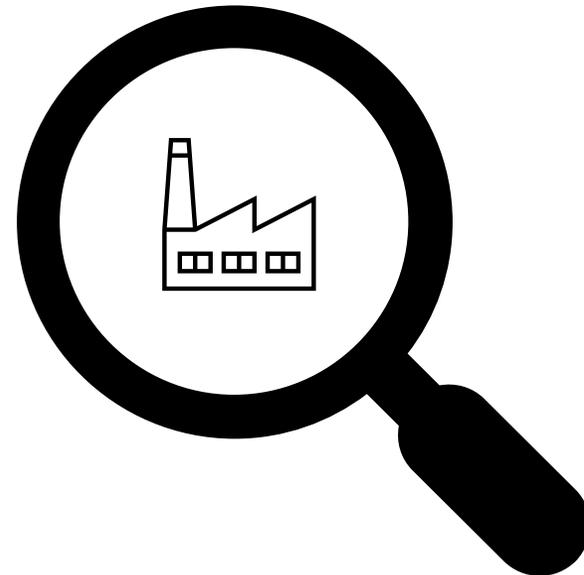
Two Types of Inspections

■ Response-Based

- Public complaints
- Notifications from the regulated community
- Referrals from government agencies

■ Staff-Initiated

- Equipment List inspections
- Targeted Rule inspections
- CERP commitments



Statistics included in this enforcement update focus on staff-initiated inspections

REFINERY IMPLEMENTATION

CERP Commitment: Begin mobile air monitoring surveys, follow-up inspections (if necessary), and provide quarterly updates on findings

- No monitoring surveys that required follow-up inspections
- A small number H₂S exceedances recorded by fenceline monitors with no measurable impact in nearby communities



Refineries



Petroleum Terminals



Auxiliary Plants

REFINERY IMPLEMENTATION (CON'T)

From July 1, 2019 to July 1, 2020, inspectors conducted 363 staff-initiated inspections at refineries, petroleum terminals, and auxiliary plants, 17 of which resulted in enforcement action



Refineries



Petroleum Terminals



Auxiliary Plants

OIL AND GAS IMPLEMENTATION



CERP commitment: If persistent elevated levels are detected at locations through air measurement activities, conduct follow-up investigations at those locations using appropriate field measurement equipment

- CSC was previously updated on elevated levels detected near Signal Hill in October 2019

OIL AND GAS IMPLEMENTATION (CON'T)



Inspectors conducted 190 inspections at crude oil facilities, 30 of which resulted in enforcement actions

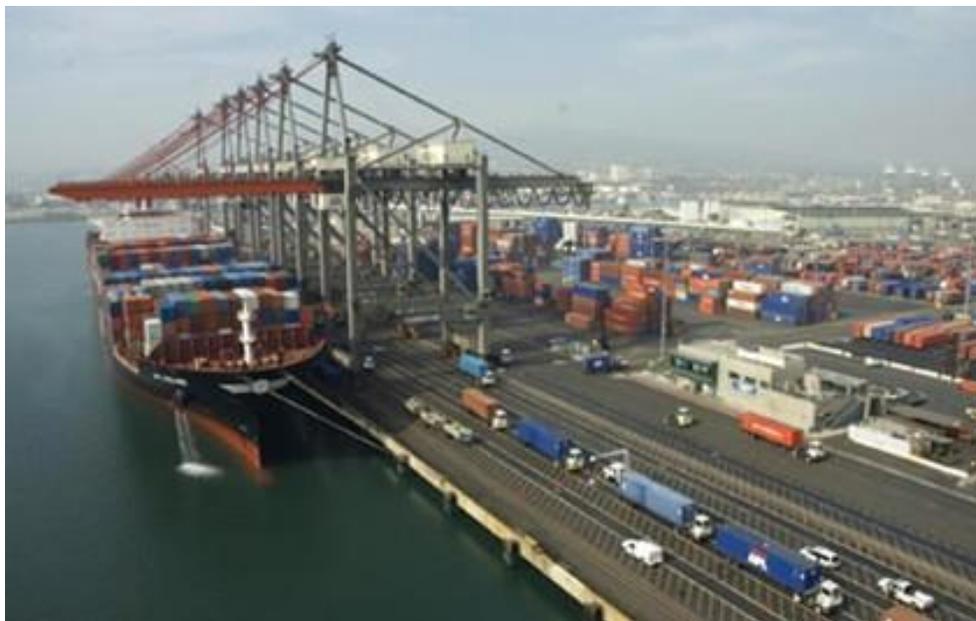
PORT IMPLEMENTATION



CERP Commitment: Use optical gas imaging technology, air measurements, and other available emissions information to identify potential fugitive emission leaks from oil tankers and conduct targeted enforcement of Rule 1142

- 19 investigations of offshore petroleum tankers, 3 tankers boarded for inspections

PORT IMPLEMENTATION (CON'T)



Inspectors conducted 22 inspections at port facilities, 4 of which resulted in enforcement actions

QUESTIONS?



California Air Resources Board Truck Enforcement Efforts in Your Community - CERP Implementation Update

December 9, 2020

Wilmington – Carson – West Long Beach

AB 617 Community Steering Committee Meeting

CARB's CERP Enforcement Commitments



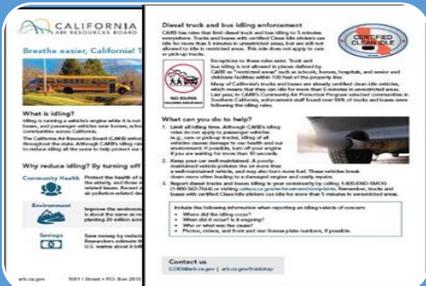
Enhanced inspections

- At ports and railyards
- In community



Focused Enforcement

- Idling
- Truck and Bus, TRU, and Drayage Truck rules

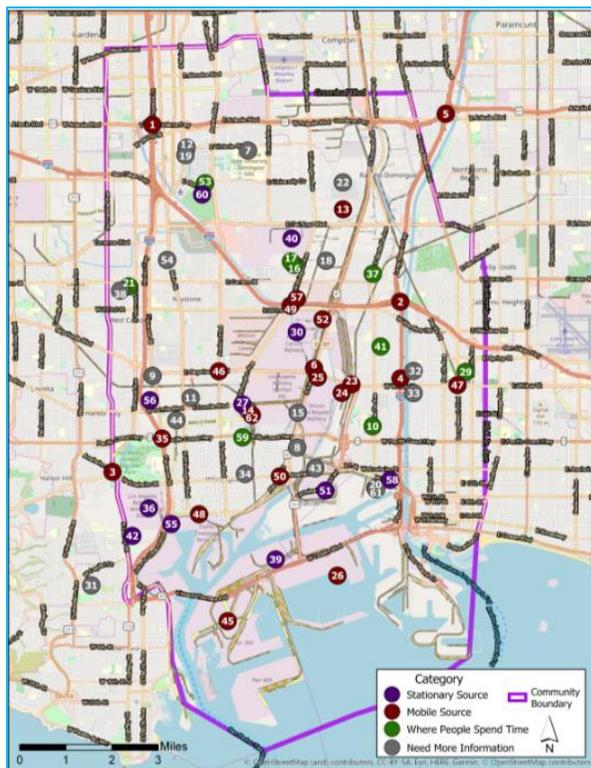


Fostering communication and outreach

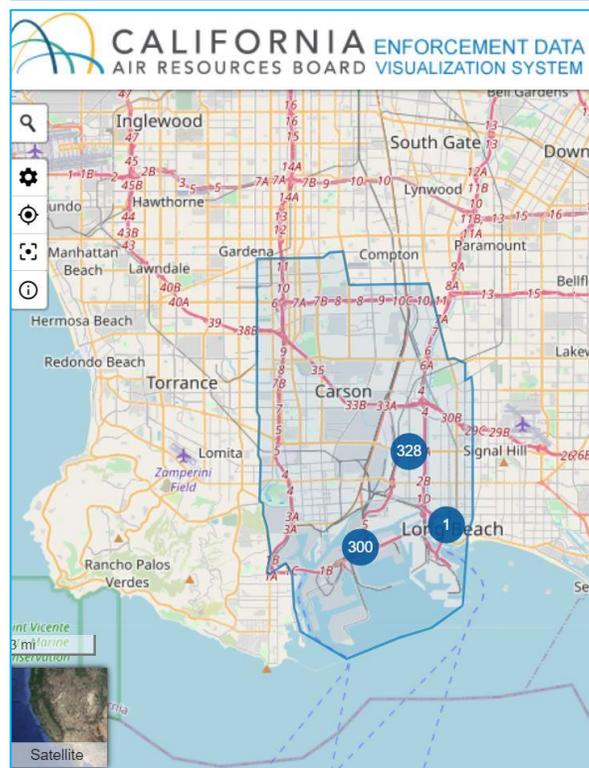
- Outreach materials to community members on idling trucks
- “No Idling” signs

Map of CARB's 2019 Enforcement Activities in Wilmington – Carson – West Long Beach

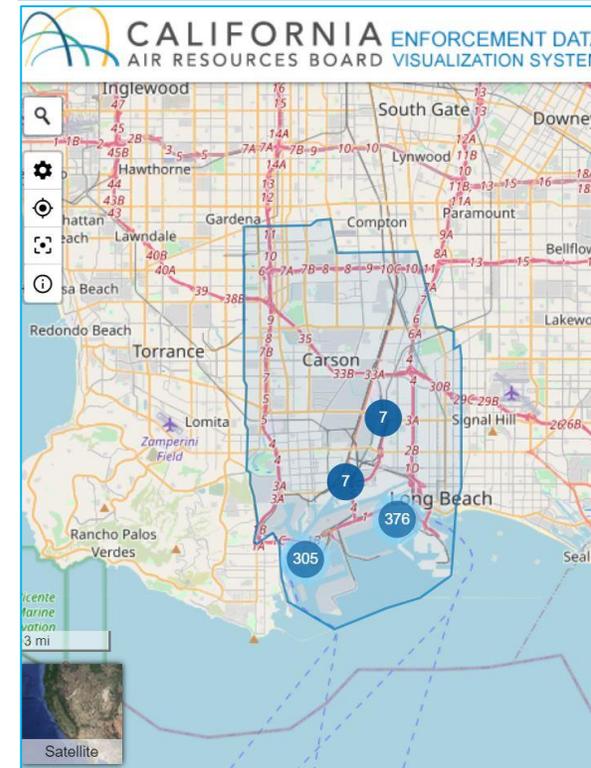
Highest mobile source priorities:
Truck traffic – idling; port and rail yards



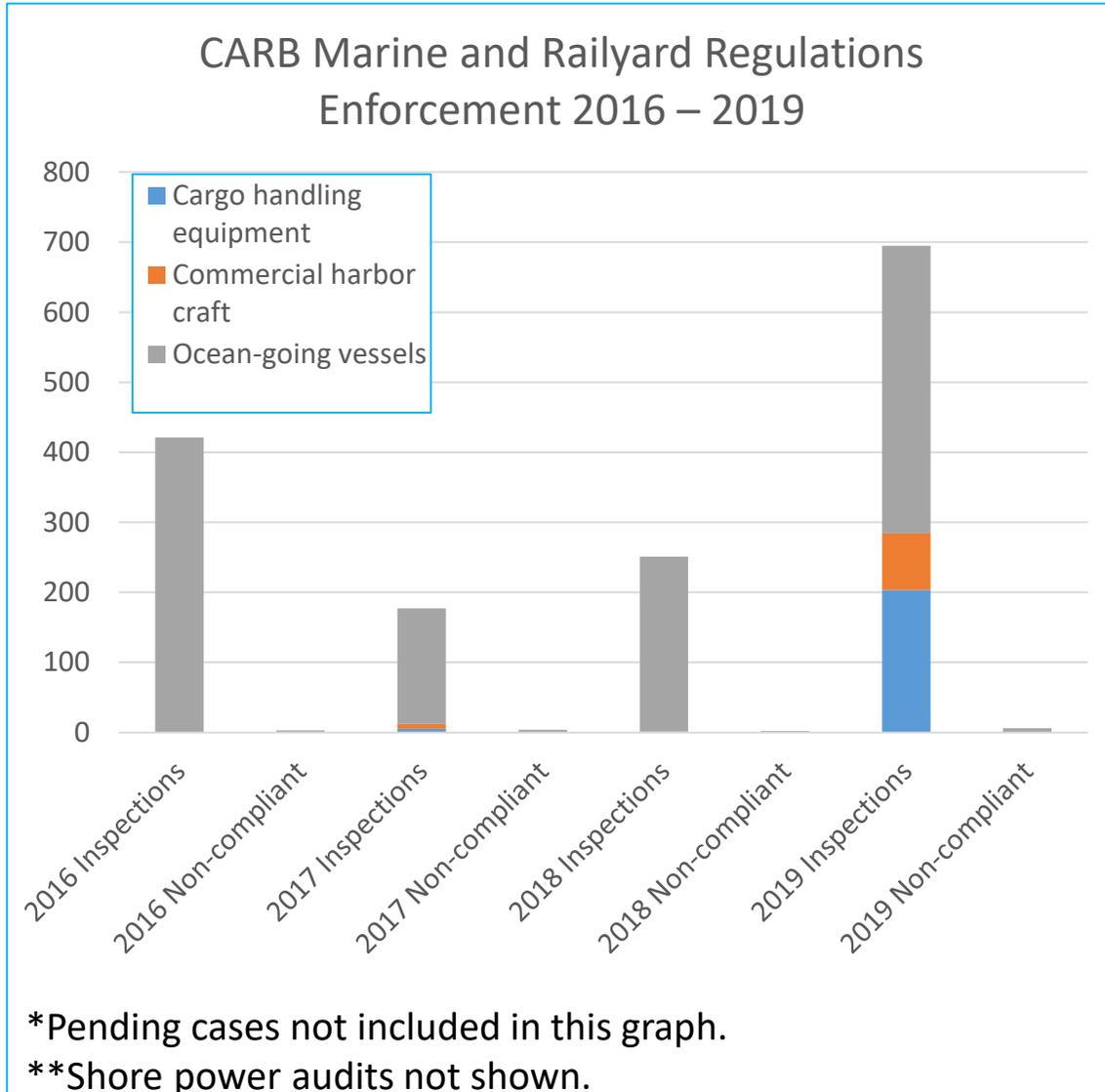
Heavy-duty diesel vehicles:
HDVIP, TRU, Truck and Bus,
and Idling regulations



Rail and marine:
Cargo handling equipment,
commercial harbor craft,
ocean-going vessels



Enhanced Inspections at Ports and Railyards



Increased inspections at the ports and railyards in 2019



695 inspections in 2019 for three CARB regulations

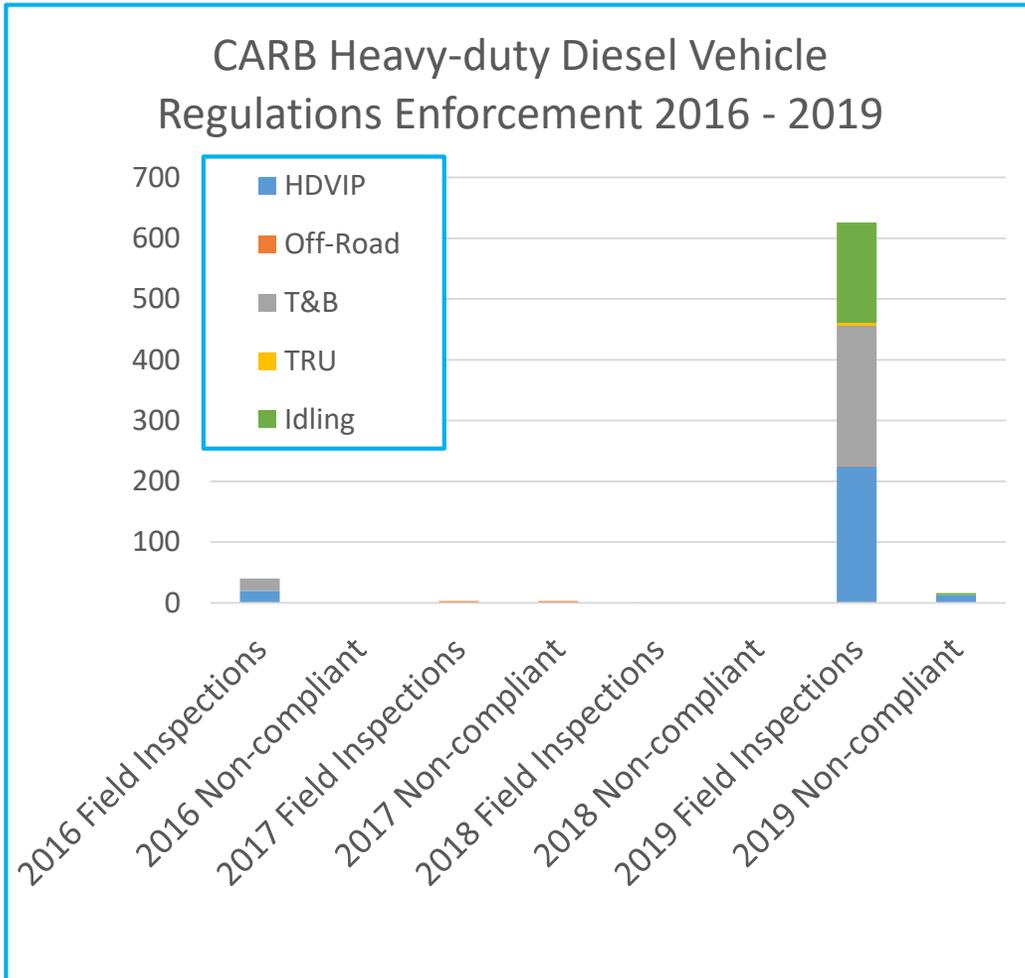


Six total violations in 2019 for ocean-going vessels (ships) exceeding fuel sulfur limits



Audits of thousands of ship visits by 15 fleets at the ports showed 100% compliance with the shore power regulation in 2019

2019 Focused Truck Enforcement Summary for the Wilmington – Carson – West Long Beach Community



Over 10-times increase in inspections in the community in 2019



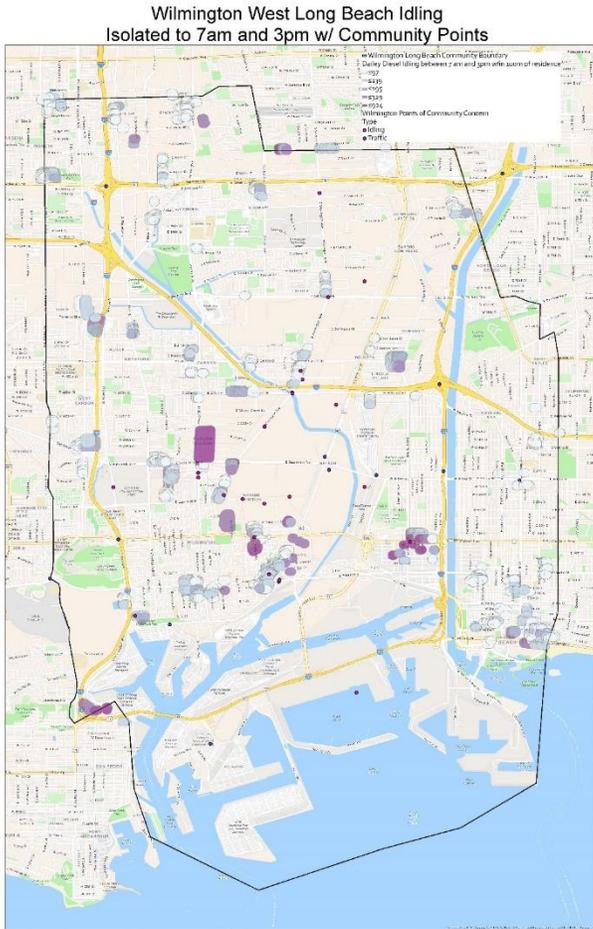
626 inspections conducted in 5 different enforcement programs



For 2019, of 13 violations all under Heavy-Duty Vehicle Inspection Program (HDVIP)

- HDVIP covers emissions control labels, excessive smoking, and tampering
- 1 emissions violation (12 labeling violations)

Idling Enforcement 2019 – 3rd Quarter 2020



CARB/South Coast AQMD both conducted at least one sweep each quarter beginning Fall 2019*

South Coast AQMD conducted 2 sweeps in 2019

- Observed total 175 trucks; 2 NOVs issued

South Coast AQMD conducted 6 sweeps in 2020 to date

- Observed 252 trucks; 158 had Clean Idle stickers; 5 NOVs issued

CARB conducted 165 truck inspections for idling in 2019

- 3 out of compliance

CARB conducted 68 truck inspections for idling in 2020 to date

- 7 out of compliance
- *No enforcement Spring 2020 due to Covid-19 restrictions

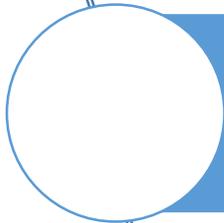
Next step(s)?

- Continue sweeping these areas? Add/change to new areas?
- Create and distribute flyers on benefits of not idling even for Clean Idle certified trucks?

Enhanced Enforcement: Additional Fleet Audits (STEP – Streamlined Truck Enforcement Program)



In addition to roadside inspections we also conducted fleet audits for compliance with the Truck and Bus Rule (T&B)



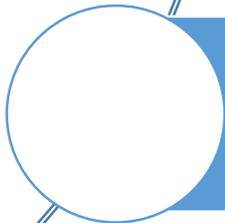
Of the 6993 heavy-duty vehicles in your community

- 233 sent Notices to Comply or NOVs with T&B



171 of those vehicles had registration holds issued by CA DMV

- Prohibited from operating in California until they come into compliance with T&B



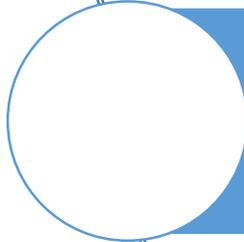
SB1 phased-in requirement:

- Most heavy-duty diesel-powered trucks and buses, including drayage trucks, need to be in compliance with T&B Rule's 2010 or newer model year engine requirement by January 1, 2023

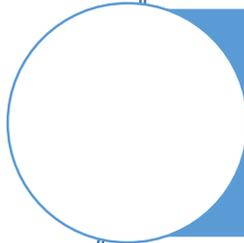
Work with Ports



Multiple meetings with Port of Los Angeles (POLA) staff and City of Los Angeles' Port Police; Met once with Port of Long Beach



Working with POLA on incorporating heavy-duty diesel vehicle inspection and maintenance requirements into their Clean Truck Program



Working with POLA and Port Police on coordinating Port Police additional training and revising MOU to enforce CARB regulations



Working together on Heavy-duty Inspection and Maintenance Program pilot project using PEAQS at POLA

CARB Enforcement Outreach



Spring 2019: Created business card sized “Reporting Air Pollution Concerns” in English and Spanish; Distribute(d) at monthly CSC Meetings; More available from COES@arb.ca.gov



CARB ordered newly designed “No Idling” signs for schools in February 2020 – Delivered to CARB and ready for distribution



CARB ordered more “No Idling” street signs in February 2020 – Delivery pending

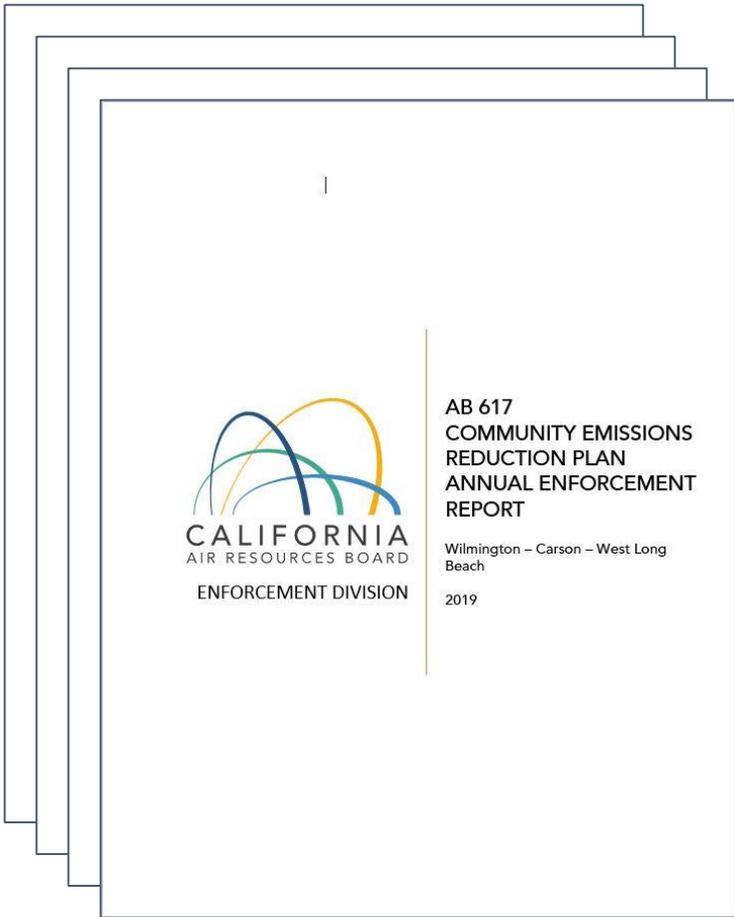


Spring 2020: Created new Community Idling flyer in English and Spanish; More available at: <https://ww2.arb.ca.gov/resources/documents/idling-fact-sheet>



Seeking input on outreach event – Where and/or how they should look?
Seeking CSC input on where else you would like “No Idling” signs in your community?

CARB AB 617 CERP Annual Enforcement Report and CSC Input



Detailed report coming soon at:
<https://ww2.arb.ca.gov/our-work/programs/community-outreach-and-enforcement>

Continue sweeping same areas?
Add/change to new areas?

Contact Crystal.Reul-Chen@arb.ca.gov for more details and to provide additional feedback

CAMP IMPLEMENTATION



UPDATE – 4TH QUARTER 2020

PAYAM PAKBIN, Ph.D.

PROGRAM SUPERVISOR

SINA HASHEMINASSAB, Ph.D.

AIR QUALITY SPECIALIST

AIR MONITORING RESULTS AND REPORTS

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

Seeking CSC input

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

Progress report infographic on CERP air monitoring actions

Air monitoring progress reports for each air quality priority

Air monitoring investigation results and summaries

Community Air Monitoring Plan (CAMP) and related documents

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Wilmington, Carson, West Long Beach Community

This page is dedicated to the Wilmington, Carson, West Long Beach community data platform for near real-time measurements, the Community Air Monitoring Plan (CAMP) for this community, and data summaries and reports.

Air Monitoring Data Display

- Wilmington, Carson, West Long Beach Community

Air Monitoring Updates

- Air Monitoring Progress Update (English Version) *New!*
- Air Monitoring Progress Update (Spanish Version) *New!*

Progress Reports

- Refineries August 2020
- Truck Traffic August 2020
- Oil Drilling & Production August 2020
- Railyards August 2020
- Ports August 2020

Data Summaries and Reports

- West Rancho Dominguez Emissions Investigation
Hexavalent chromium air monitoring results and a map identifying the sites in West Rancho Dominguez for the air monitoring effort that began on June 5, 2019.

Community Air Monitoring Plan (CAMP)

The main purpose of this Community Air Monitoring Plan (CAMP) is to summarize the proposed air monitoring activities for addressing the major air quality concern identified by the Community Steering Committee (CSC) in Wilmington/Carson/West Long Beach (WCWLB) and provide information supporting the Community Emission Reduction Plan (CERP). The South Coast AQMD is seeking input from the CSC and members of the public to revise and improve the CAMP. This document has been submitted to the California Air Resource Board (CARB) as per the "Community Air Protection Blueprint".

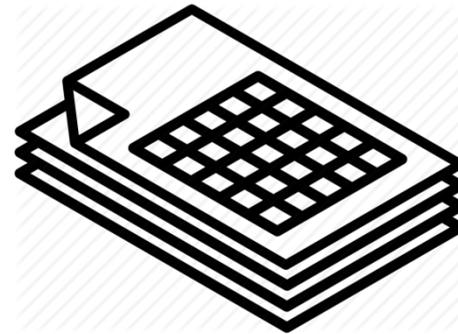
- Main Document (PDF)
- Appendices (PDF)
- Quality Assurance Project Plan (PDF)

YOU MAY ALSO LIKE ...

- Rule 1180 - Refinery Community and Fenceline Air Monitoring**
Rule 1180 Refinery Fenceline Monitoring Plans
- FAQs**
Frequently asked questions
- Contact**
Contact
- Rule 1180 Community Air Monitoring**
Landing page for the Rule 1180 Community Air Monitoring Data Display

INTERACTIVE DATA DASHBOARD

- A web-based tool to explore and visualize time-integrated and mobile monitoring data in an easily digestible way
- Click-to-filter option enables interacting with the data
- Raw data will be available for download



Background

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

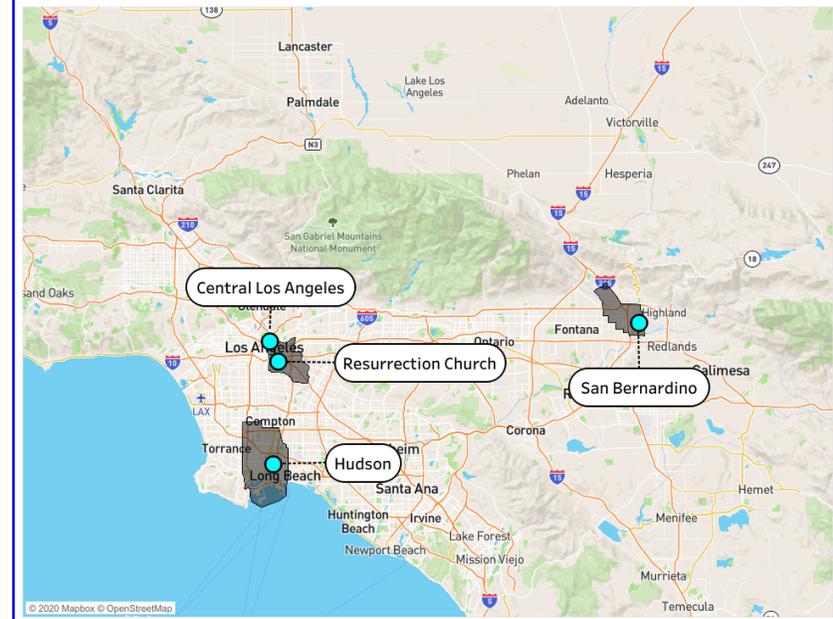
AB 617 time-integrated air monitoring

Time-integrated air monitoring was conducted at a number of stations within AB 617 communities. AB 617 monitoring utilizes the sampling instruments and laboratory analyses that are used in established monitoring programs (i.e. U.S. EPA) and, therefore, many of the procedures and protocols for the AB 617 monitoring are based on the South Coast AQMD Quality Management Plan for Environmental Measurement Programs (Applied Science & Technology, 2009) and Quality Assurance Project Plan (QAPP) for Special Monitoring.

Hover over each site to see pollutants measured at each monitoring site.

Reference

Applied Science & Technology. (2009). *Quality Management Plan for Environmental Measurement Programs*. Diamond Bar, CA: South Coast Air Quality Management District.



What other information would you like to be included?

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

Time-integrated results

- Interactive air monitoring data visualization
- Comparison of levels between different air monitoring sites/ communities
- Comparison of levels against MATES IV* (typical ambient levels across the Basin)
- Access to raw data

* MATES: Multiple Air Toxics Exposure Study

What other features would you like to be included?

Step 1: Select a Community

- ELABHWC
- SBM
- WCWLB

Step 2: Select a Monitoring Site

- Hudson

Step 3: Select a Pollutant Category

- PM10
- PM_TSP
- VOCs

Step 4: Select a Pollutant Subcategory

- Metals

Step 5: Select a Pollutant

- Arsenic
- Beryllium
- Cadmium
- Chromium
- Copper
- Hexavalent Chromium
- Lead
- Manganese
- Nickel
- Selenium

Location of the air monitoring site

Concentration of PM_TSP Chromium (ng/m³) at Hudson in WCWLB community

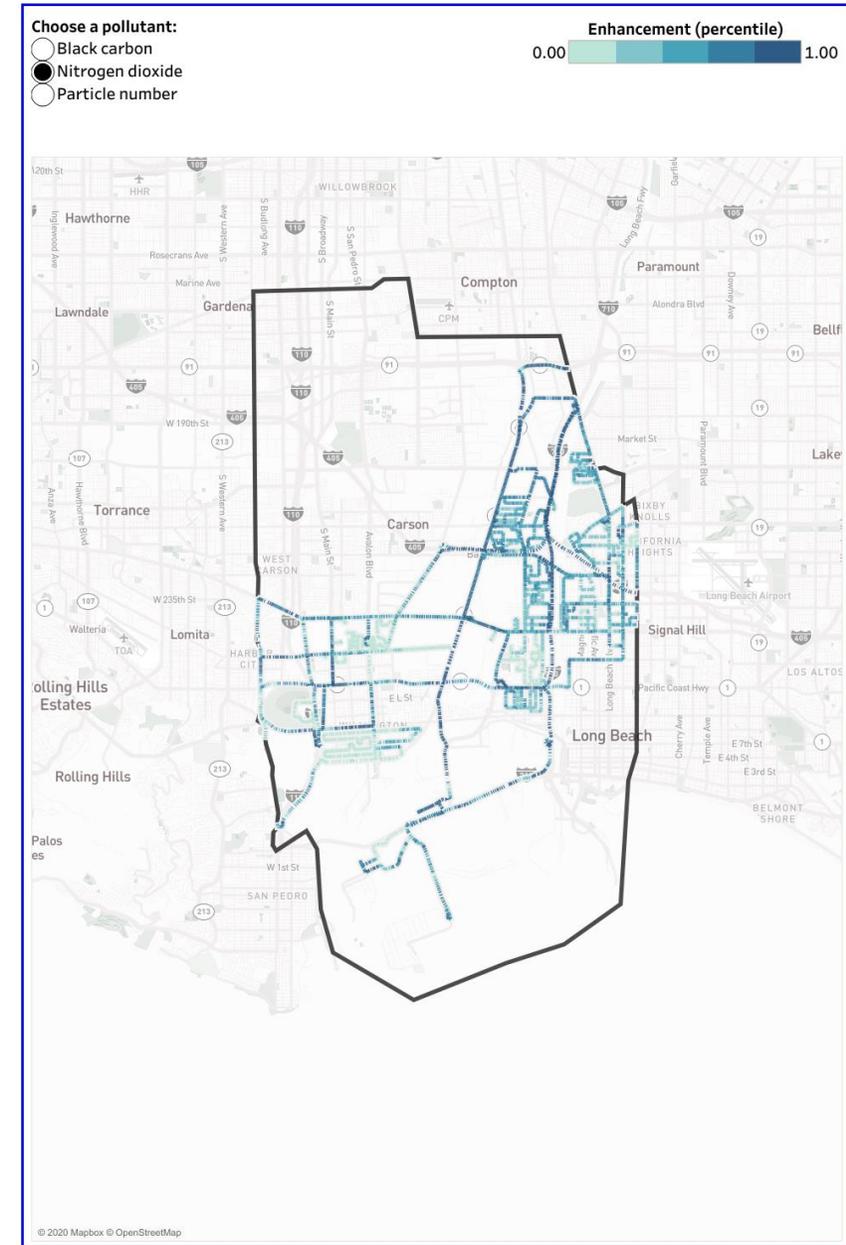
Comparison of PM_TSP Chromium (ng/m³) measured at AB 617 monitoring sites and during MATES IV

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

Mobile monitoring results

- Interactive map of mobile monitoring results
- Toggle between different measured air pollutants
- Zoom in/out and pan around

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



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

SEEKING CSC INPUT

- Comments, Questions, Concerns?

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



AB 2588 PHILLIPS 66 RECAP

DR. SARAH REES

Assistant Deputy Executive Officer



AB 2588 Public Meeting

Phillips 66 Los Angeles Refinery
Wilmington Plant

October 1, 2020

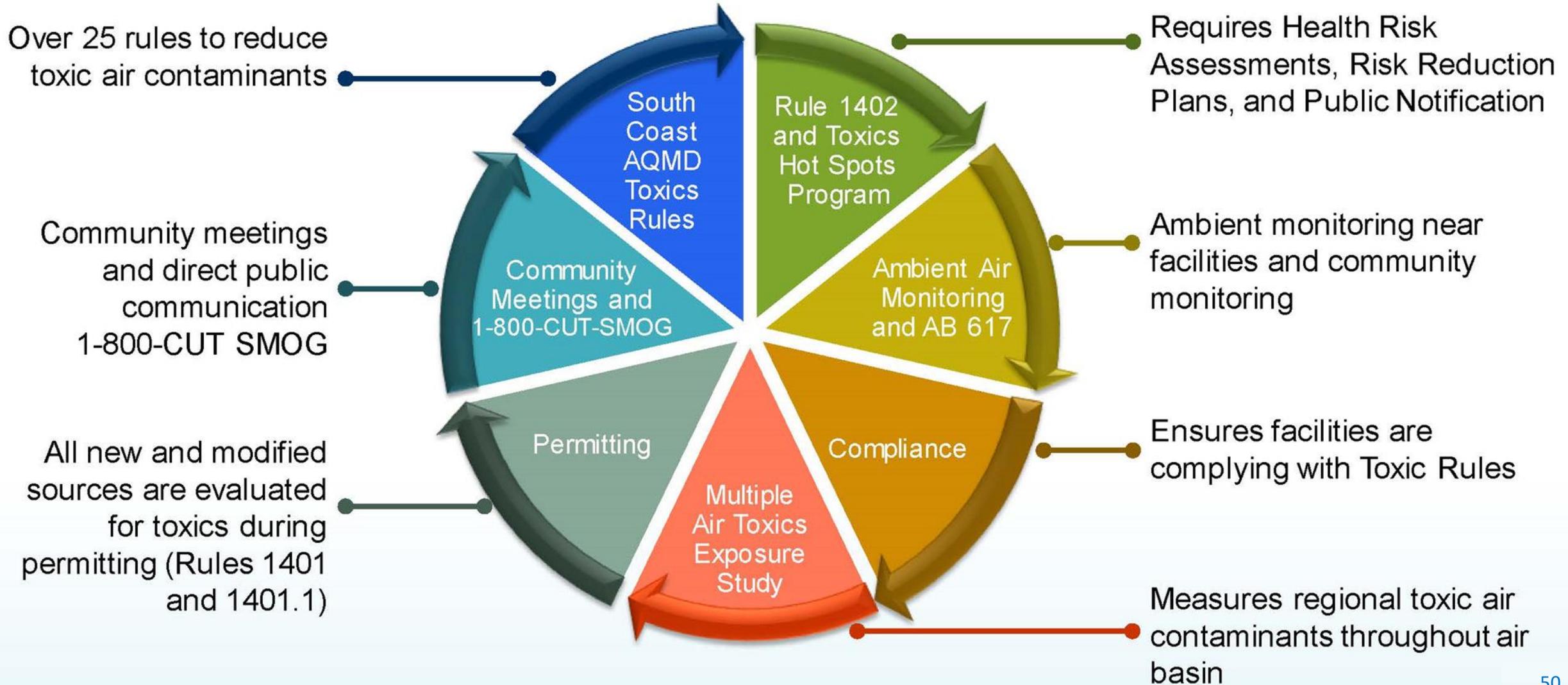
South Coast Air Quality Management District



Purpose of Meeting

- Notify public of estimated health risks in 2015
- Background about Phillips 66
- About Health Risk Assessments
- Steps taken to reduce the health risks
- Estimated health risks today
- Public input and comments

South Coast AQMD's Air Toxics Program



The Air Toxics “Hot Spots” Information & Assessment Act (AB 2588)

- State law enacted in 1987 (Connelly)
- Public **Right-to-Know** Program
- Purpose
 - Collect emissions data with updates every 4 years
 - Identify facilities having localized impacts
 - Evaluate potential health risks through Health Risk Assessments
 - Notify residents of those potential health risks
 - Reduce health risks below certain thresholds
- Rule 1402
 - Implements requirements of AB 2588
 - More stringent requirements for reducing health risk

Phillips 66 Wilmington

- Oil Refinery in operation since 1919 that converts intermediate oil stock into final product
 - Nearby Phillips 66 Carson plant converts crude oil into intermediate stock.
- Located at 1660 West Anaheim St. in Wilmington, CA.
- HRA required based on 2015 emissions



Boundary of Phillips 66

Operations at Phillips 66 Wilmington

- Primary sources of risk are from portable diesel-fired internal combustion engines, welding, and operation of refinery itself



About Health Risk Assessments

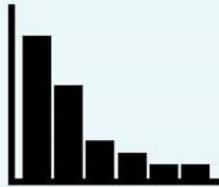
Estimates the chance that a person may experience a health effect from toxic air contaminant emissions



“Snapshot” based on toxic air contaminant emissions from one year of operation

Assumes 2015 emissions levels for 30 years

Snapshot can change if toxic air contaminant emissions are reduced



Conservative assumptions - people are outdoors 24 hours, 7 days a week in one location



3 Key Health Risk Elements of Rule 1402

Cancer Risk

- Estimates the increased probability for cancer
- Expressed in “Chances in a million”

Non-Cancer Risk

- Estimates non-cancer health effects
- Acute non-cancer effects are from short-term exposure
- Chronic non-cancer effects are from long-term exposure
- Expressed using a Hazard Index (HI)

Cancer Burden

- Estimates the increase in the occurrence of cancer cases in a population subject to a cancer risk of 1 in a million or greater
- Cancer burden ≥ 0.5 requires risk reduction

Health Effects of Key Toxic Air Pollutants

Toxic Air Pollutant	Health Effect	
	Exposure	Potential Effects
Diesel Particulate Matter	Long-term	Cancer and non-cancer chronic effects on the respiratory system
Benzene	Short-term and Long-term	Cancer, non-cancer acute, non-cancer chronic, non-cancer chronic 8-hour effects on the human reproductive, blood, and immune systems
PAH*	Long-term	Cancer and non-cancer chronic effects on the respiratory system
Hexavalent Chromium	Long-Term	Cancer and non-cancer chronic effects on the human respiratory and blood systems

*Naphthalene is one component of PAH that also has chronic health effects

Rule 1402 Health Risk Thresholds

Cancer Risk Thresholds

Risk Reduction

Cancer Risk ≥ 25 in one million

Public Notification

Cancer Risk ≥ 10 in one million

Non-Cancer Risk Thresholds

Risk Reduction

Non-Cancer HI ≥ 3

Public Notification

Non-Cancer HI ≥ 1

Cancer Burden Threshold

Risk Reduction

Cancer Burden ≥ 0.5

Cancer Risk Evaluations

Residential Receptor

- Continuous exposure for 30 years
- All age groups evaluated

Offsite Worker Receptor

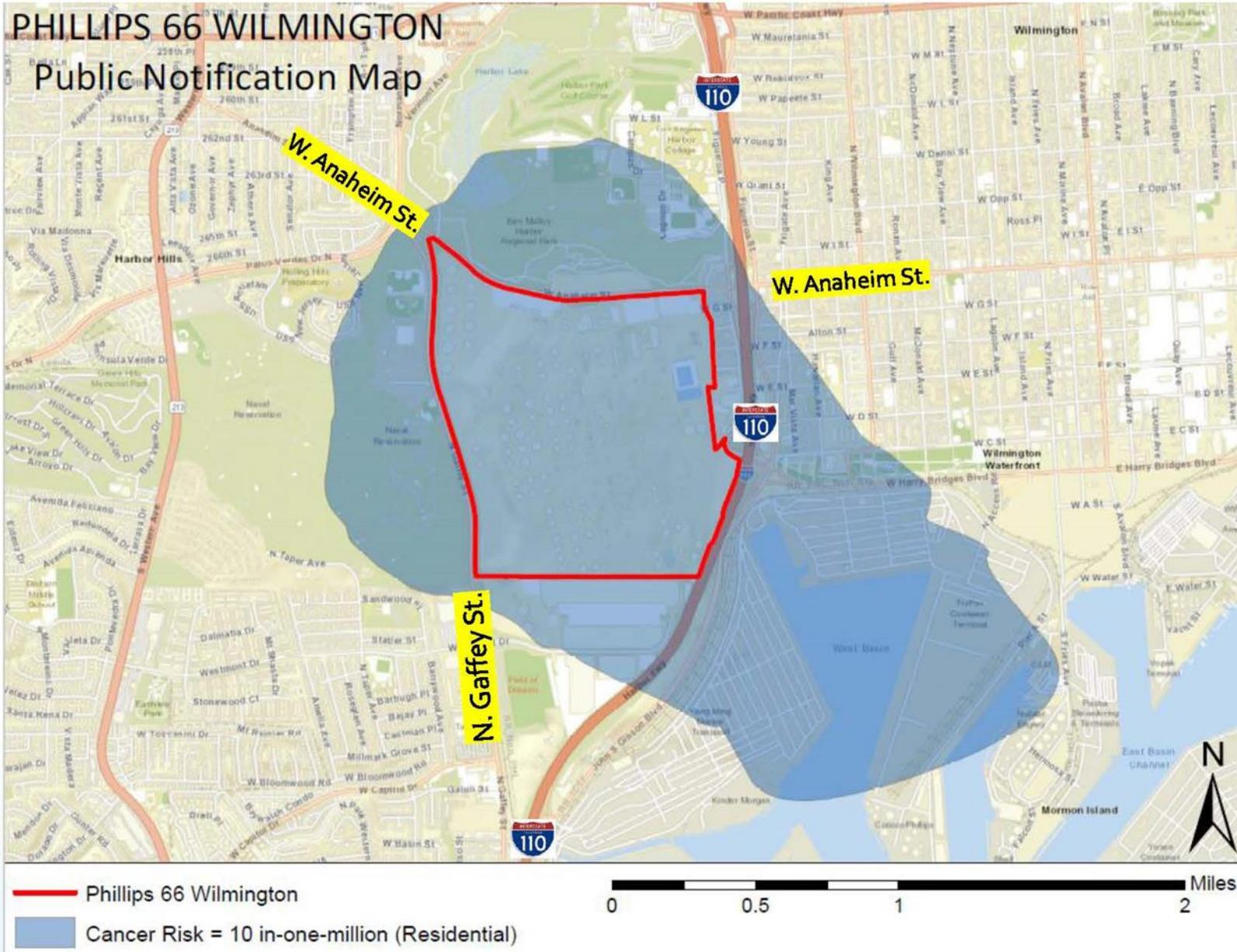
- Exposure for 8 hours per day, 5 days per week for 25 years
- Adult age groups evaluated

Rule 1402 Risk Reduction Plans

Risk Reduction Plan – Required if Risk \geq Risk Reduction Threshold

- Permanent, verifiable, and enforceable risk reduction measures
- Must be implemented within 2½ years from the approval of plan or sooner
- Must reduce the facility-wide health risk below 25 in-a-million for cancer risk and a Hazard Index of 3 for non-cancer health effects

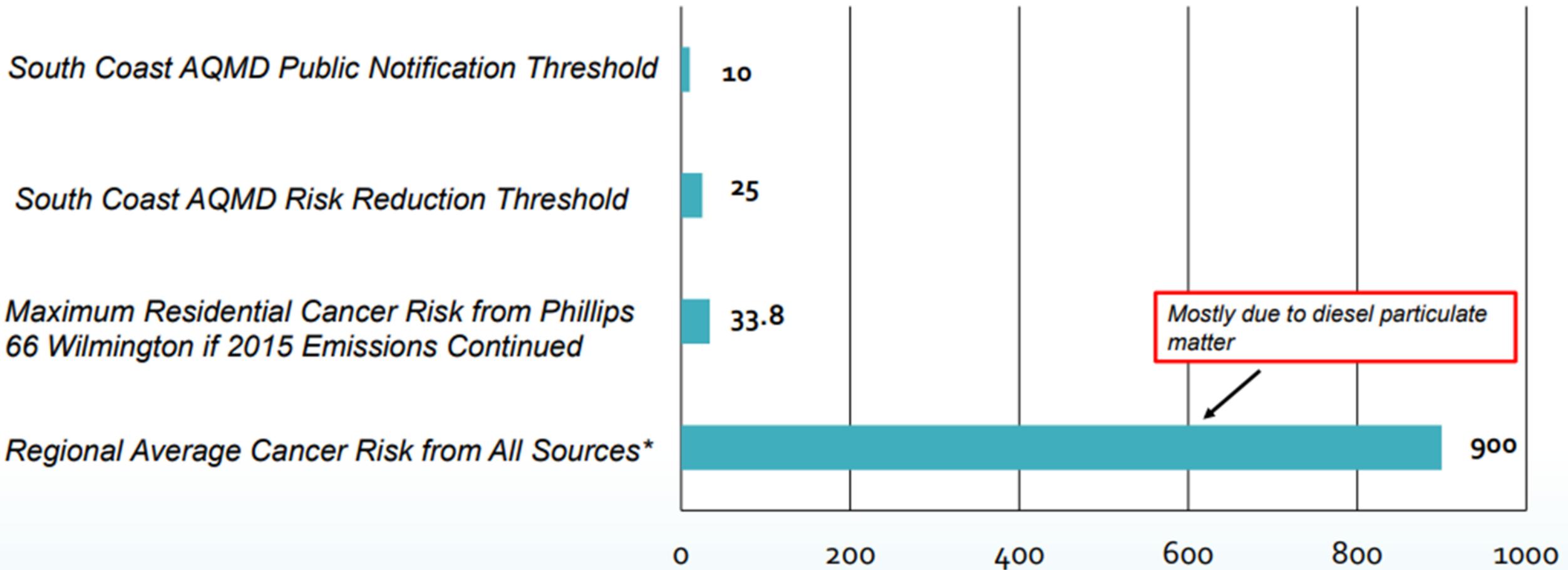
Residential Cancer Risk – 2015 Emissions



Residential Cancer Risk – 2015 Emissions



Cancer Risk Context

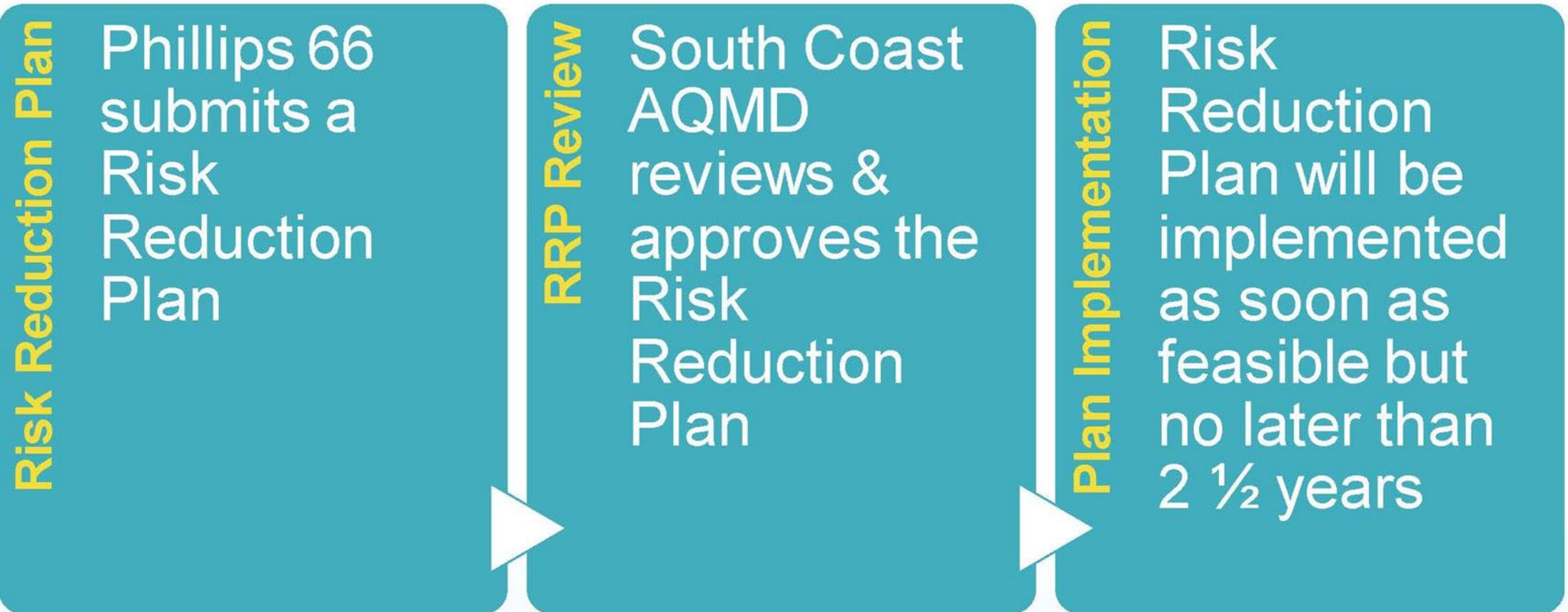


* Based on MATES IV study

Public Notification Process

- AB 2588 Notification
 - Letter sent to ~800 addresses
 - Public meeting: Online

Next Steps



More Information on the AB 2588 Program

- South Coast AQMD AB 2588 Website
 - <http://www.aqmd.gov/home/rules-compliance/compliance/toxic-hot-spots-ab-2588>
- Link to the 2015 Approved HRA
 - [http://www.aqmd.gov/docs/default-source/planning/risk-assessment/phillips-66-larw-2015-hra-\(id-171107\).pdf](http://www.aqmd.gov/docs/default-source/planning/risk-assessment/phillips-66-larw-2015-hra-(id-171107).pdf)
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NEXT STEPS

Future Announcements

- Newsletters
- Continue CERP implementation

Future Meeting

- Tentatively February 2021 (virtual)
- AQ Priority Updates & Agenda Topics
 - What would you like to hear about?
(i.e., CARB Commercial Harbor Craft)
- Other topics?

CSC Member Update

Public Comment

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