

Community Air Initiatives

Wilmington, Carson, West Long Beach
Community Steering Committee
Meeting #9

*Wednesday, August 7, 2019
Carson Event Center
Carson, CA*



Announcements

- Professor Jonathan London, UC Davis
- Community Tour

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

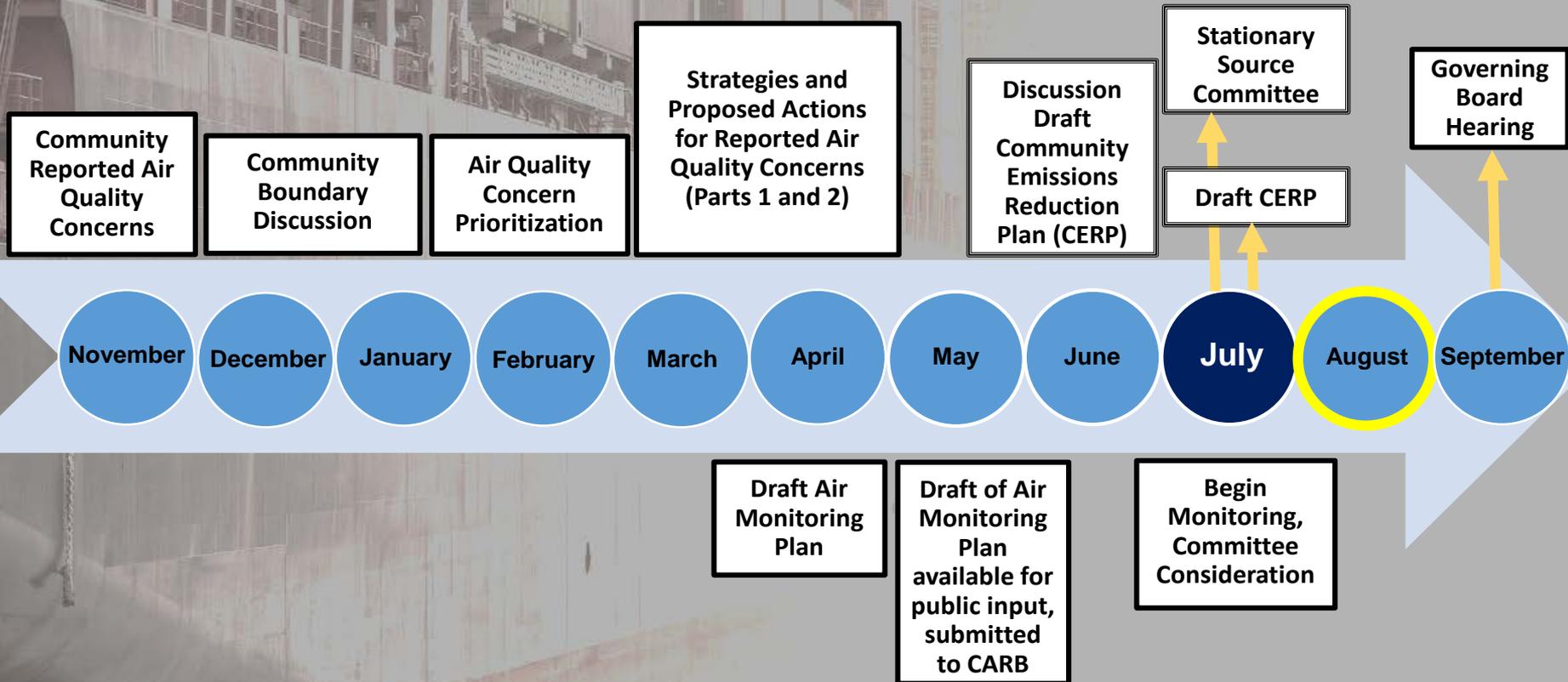


Meeting Objectives

- Stationary Source Committee Meeting Recap
- Governing Board Process Overview
- Discuss Draft Community Emissions Reduction Plan (CERP)
- Community Air Monitoring Highlights



WCWLB Progress



Stationary Source Committee Meeting Recap

Stationary Source Committee Meeting

- The meeting on July 26, 2019 was [webcast](#)
- [Agenda](#) and meeting [minutes](#) are posted online

Meeting Recap of AB 617 Items

- Staff presented on the CERPs for Year 1 AB 617 Communities
 - Key Remaining Issues:
 - Include quantifiable emissions reduction targets
 - Address health metrics
- Staff recommended Communities for Year 2 Implementation of AB 617
 - Recommendations were supported by Stationary Source Committee

Key Remaining Issues

| Issue | Response |
|---|--|
| <p>Include analysis of emission sources</p> | <ul style="list-style-type: none"> • Source attribution analysis is available in the Draft CERP |
| <p>Include quantifiable emissions reduction targets</p> | <ul style="list-style-type: none"> • Estimated emission reductions targets are included in the Draft CERP and will be further discussed today • Emission reductions are based on historical incentive projects • Estimates do not capture additional reductions based outside of community boundary (i.e., non-local trucks traveling through community) or fugitive emissions • Targets represent a portion of the emission reductions “above and beyond” other South Coast AQMD measures (actions) |
| <p>Address health metrics</p> | <ul style="list-style-type: none"> • Focus of AB 617 is to achieve emissions reductions • Staff can consider adding actions for direct public health improvement programs (e.g., asthma management programs), if partner entities are identified • Short-term changes from CERP actions may not result in measureable short term health benefits, but will provide long term benefits for public health |

Governing Board Process Overview

Governing Board Process

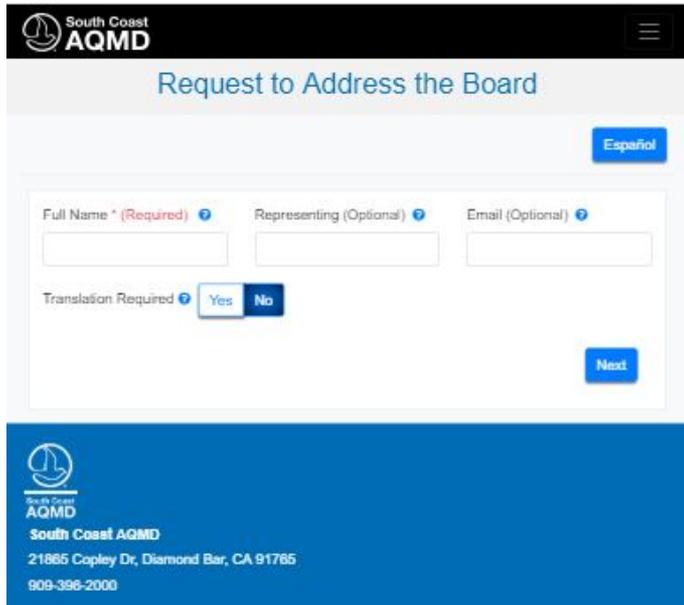


Governing Board
September 6, 2019
begins at 9:00 a.m.
South Coast AQMD Headquarters
Auditorium

- Meetings are [webcast](http://aqmd.gov) at aqmd.gov
- Agendas are posted [online](#) at least 72 hours before the meeting
- Staff will present overview of Year 1 CERPs to the Board
- Governing Board consists of 13 members and may ask staff follow-up questions
- Public may participate in the public comment portion (for this or any item)

Public Comment

- To provide comments:



The screenshot shows a web form titled "Request to Address the Board" from South Coast AQMD. The form includes a header with the AQMD logo and a "Español" button. The main form area contains three input fields: "Full Name * (Required)", "Representing (Optional)", and "Email (Optional)". Below these is a "Translation Required" section with "Yes" and "No" radio buttons. A "Next" button is located at the bottom right of the form. The footer of the page contains the AQMD logo, name, address (21865 Copley Dr, Diamond Bar, CA 91765), and phone number (909-396-2000).

- Use kiosks in lobby to request to address the Board
- After entering your name you will select the agenda item you wish to speak on
- When that item is considered, watch for your name on the display and come to the podium to speak
- Speakers will be limited to 3 minutes or less, depending on number of commenters

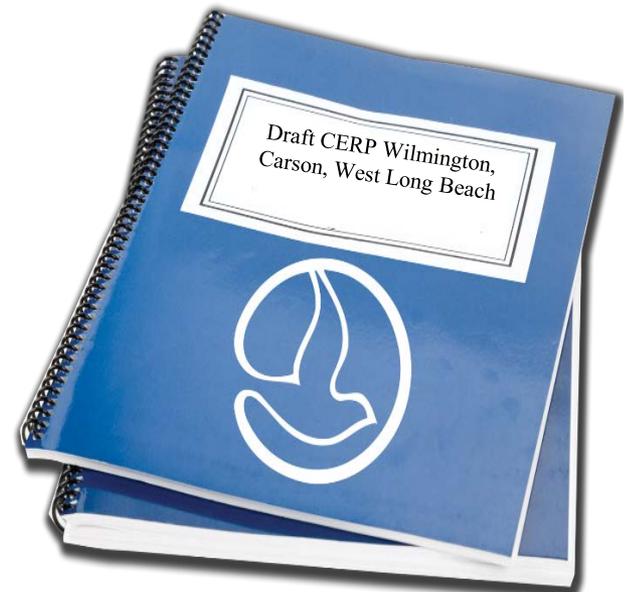
- After public comments, Board will vote on the item
 - If the majority* of the Board votes to approve, the CERP is adopted
 - After CERP adoption, staff can begin implementation
- Approved CERPs will be submitted to CARB for their Board's approval

*A majority vote is achieved if at least 7 members of the Board vote for approval

Draft Final Community Emissions Reduction Plan (CERP) and Emission Reduction Targets

Draft Final CERP

- Submitted comments may be viewed [here](#)
- Comments that will be considered for Draft Final CERP
 - CSC Meeting #8, July 11, 2019
 - Comments received by August 6, 2019
- Expected release of Draft Final CERP: **August 30, 2019**



Emissions Reduction Targets

| Strategy | Pollutant | Estimated Reductions | Additional Information |
|-----------------------|-------------------------|------------------------|--|
| Outreach & Incentives | Nitrogen Oxides (NOx) | 40 - 50 tons per year | <ul style="list-style-type: none">• Based on historical data of mobile source incentive projects• CERP includes actions on focused outreach to incentivize the replacement of older equipment with newer, cleaner technology• Focused outreach may result in additional incentive application submittals from this community and additional projects approved will result in more emission reductions than anticipated |
| | Particulate Matter (PM) | 0.5 – 0.6 ton per year | |

Emissions Reduction Targets

- Some strategies or actions will result in emission reductions, but are not quantifiable at this time
- Although emissions reductions will be determined, measureable metrics have been included through the Goals section of the CERP

| Strategy | Examples of CERP Actions | Estimated Reductions | Additional Information |
|---------------------------------------|--|----------------------|--|
| Monitoring and/or Focused Enforcement | <ul style="list-style-type: none">• Fugitive Emissions<ul style="list-style-type: none">- Leaks from oil tankers- Leaks from oil drilling sites• Reducing Truck Idling | To Be Determined | <ul style="list-style-type: none">• Monitoring will need to occur to determine where fugitive emissions are occurring• Follow-up inspections to identify where fugitive emissions are occurring will reduce emissions (e.g., trucks idling, leaks from emissions) |

Emissions Reduction Targets

| Strategy | Examples of CERP Actions | Estimated Reductions | Additional Information |
|---------------------|---|----------------------|---|
| Rules & Regulations | <ul style="list-style-type: none"> • Refineries <ul style="list-style-type: none"> - Rule 1118 (flaring) - Rule 1178 (storage tanks) • Trucks <ul style="list-style-type: none"> - CARB rules (drayage, cargo handling equipment, etc.) • Oil Drilling <ul style="list-style-type: none"> - Rule 1148 series and 1173 (oil wells) | To Be Determined | <ul style="list-style-type: none"> • Rule development process must occur to determine emission reductions • The process includes a number of factors to determine emission reductions (e.g., applicable equipment, types of controls or emissions limits, cost-effectiveness, etc.) • Rules continue to apply and are enforced beyond the implementation period of this CERP |



Updates on Community Air Monitoring in WCWLB

Payam Pakbin, PhD

AB 617 Program Supervisor

Olga Pikelnaya, PhD

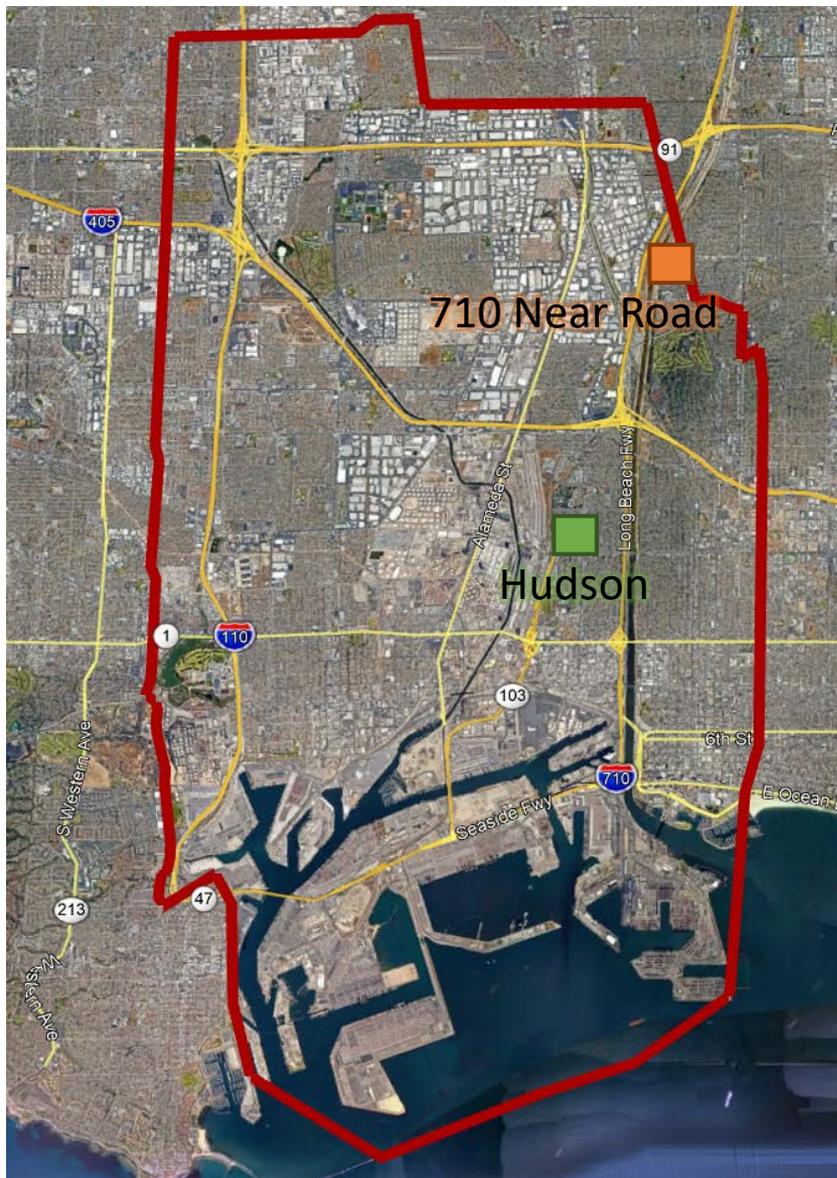
Rule 1180 Program Supervisor

AB 617 Fixed Monitoring

Fixed monitoring continues at two sites

Data Access:

- Continuous data: data display tool
- Time-integrated: next feature to be added to data display tool



Near-Road

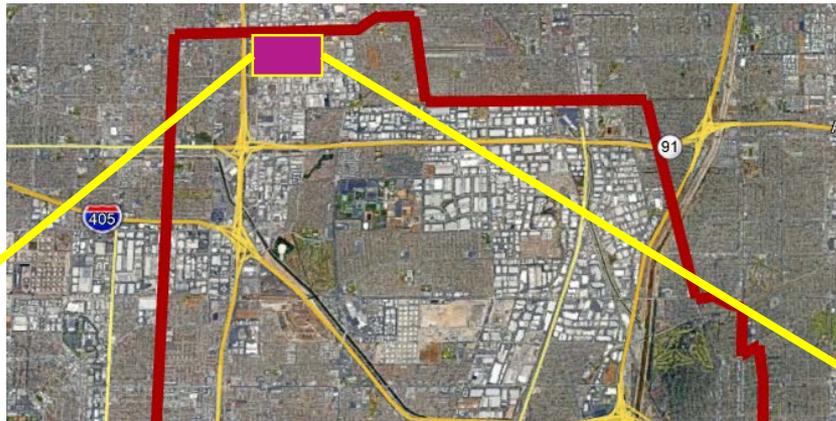
Purpose: provide representative pollutant exposure information for people who live, work, or go to school near freeways

Baseline

Purpose: provide information about general air quality conditions in this community and track progress

AB 617 Fixed Monitoring: West Rancho Dominguez

Purpose: identify potential source(s) of emissions that contribute to elevated levels of hexavalent chromium



Update:

Air monitoring expanded to new sites, including closest downwind residential area

New sites: 11, 12, 13, and 14

Removed: 10



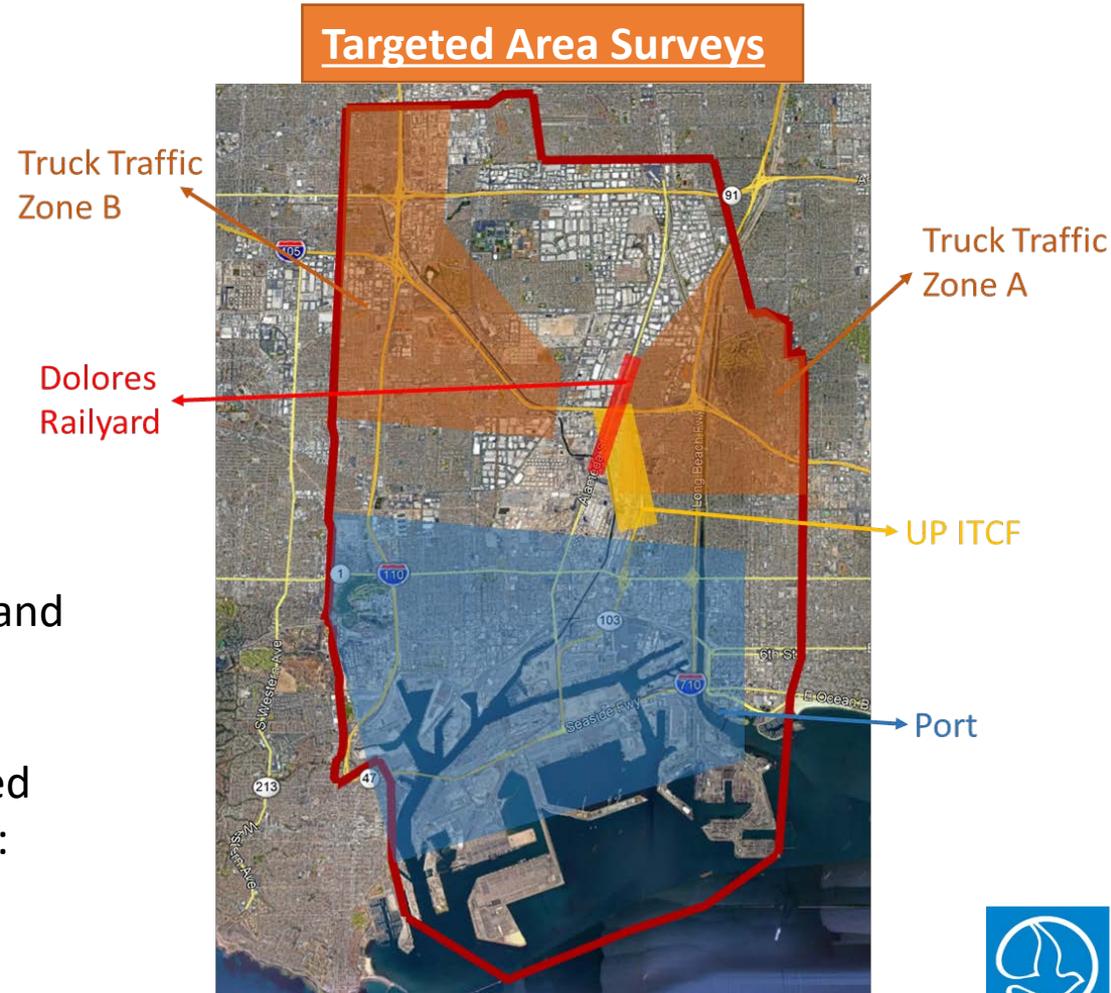
AB 617 Mobile Monitoring: Platform 1



July Update: Wide area survey covering the community boundary and some of the major roadways

August Update: Two days of targeted area surveys covering priority areas:

- Ports
- Truck traffic priority areas
- Railyards



AB 617 Mobile Monitoring: Platform 2 (ORS)

Target Pollutants:

Volatile organic compounds (VOCs), benzene, toluene, xylenes (BTX)

Target Air Quality Concerns:

Refineries, oil wells, ports

Purpose:

- Characterize facility-wide emissions
- Concentration mapping and hotspots identification
- Leak detection
- Assess community exposure to air toxics

Measurements Predating AB 617:

- Late 2015: South Coast AQMD ORS Technology Demonstration Study
<http://www.aqmd.gov/fenceline-monitoring>
- Since November 2016: Quarterly mobile monitoring surveys (EPA Community Scale Study)

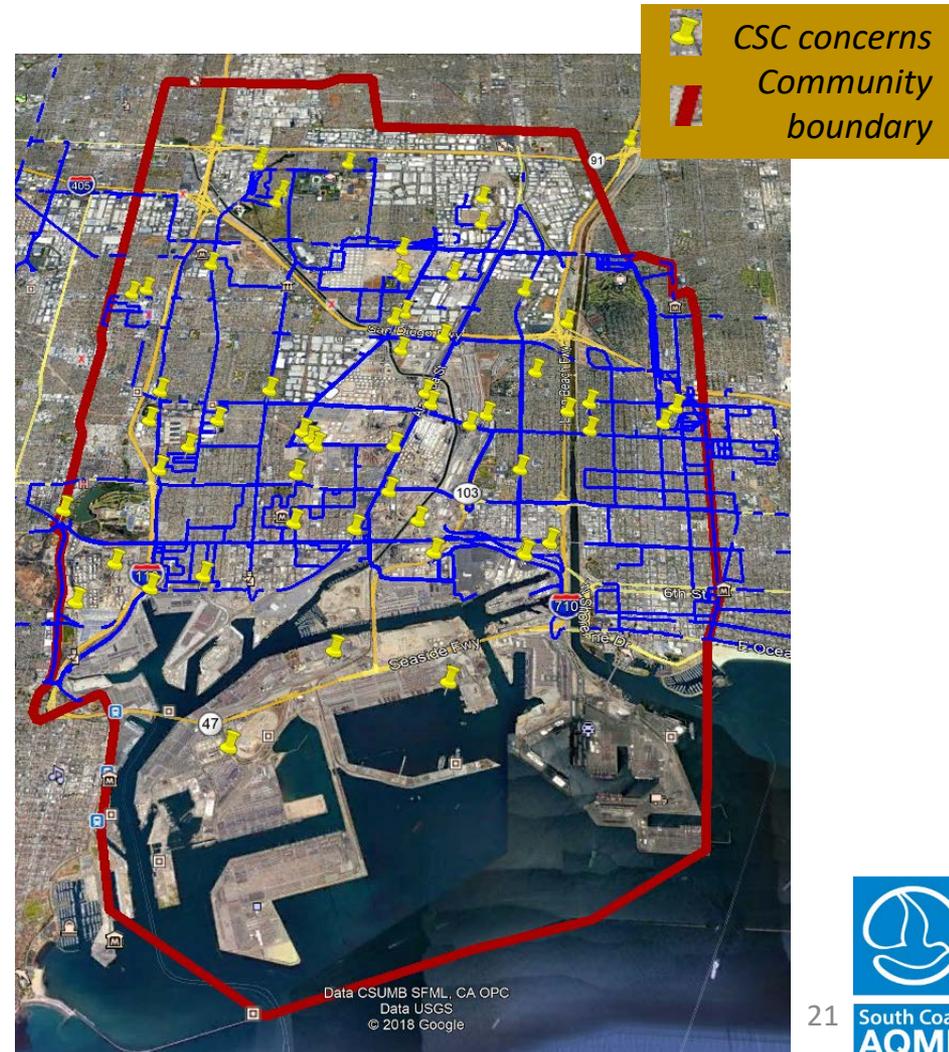


AB 617 Mobile Monitoring: Platform 2 (ORS)

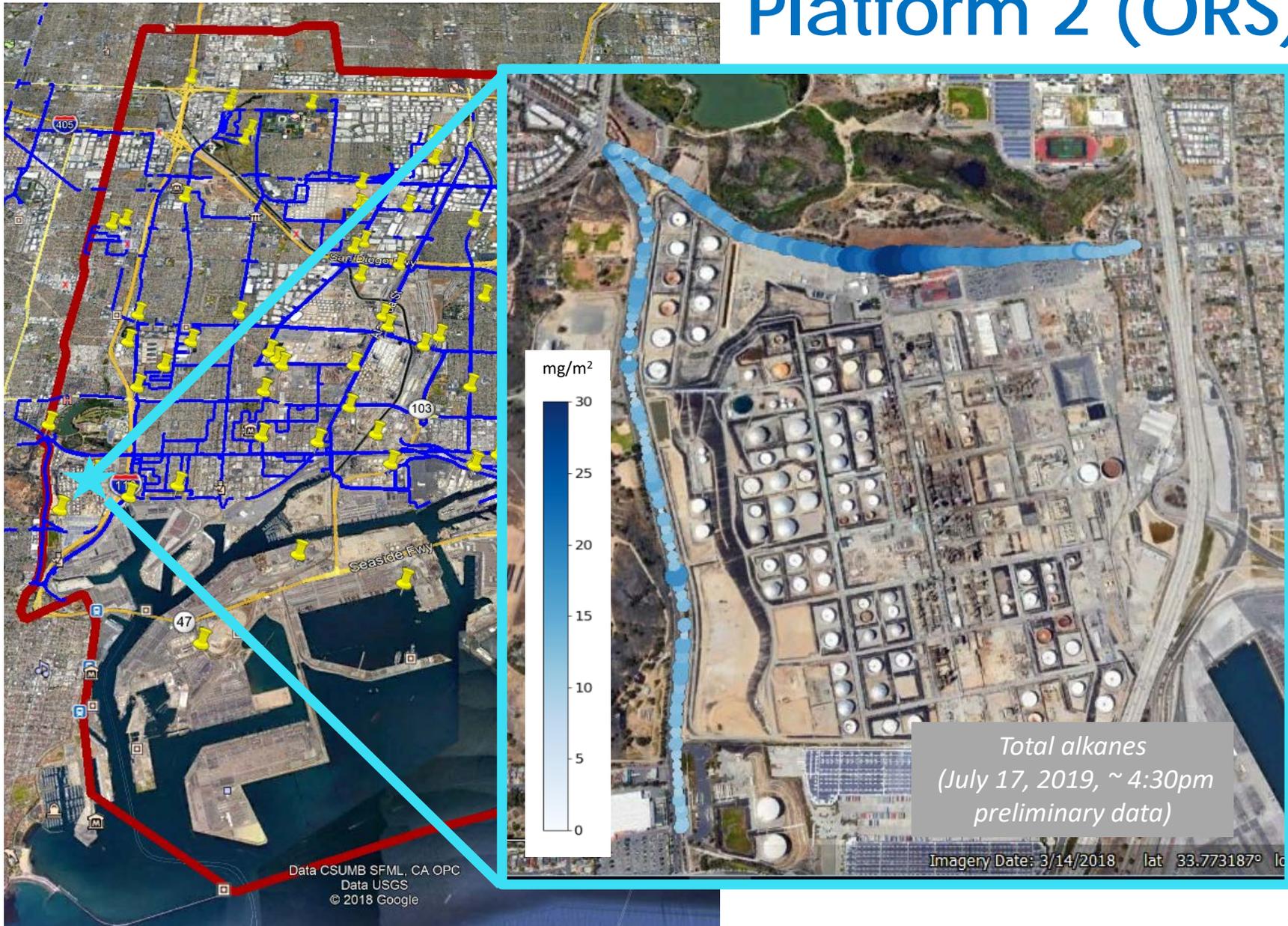
July 2019 Measurements:

- July 1 -20, 2019
(18 measurement days)
- Nearly 90 measurement transects
- Emission quantification measurements at all five refineries in this community
- Majority of CSC air quality concerns were surveyed (data is being processed)

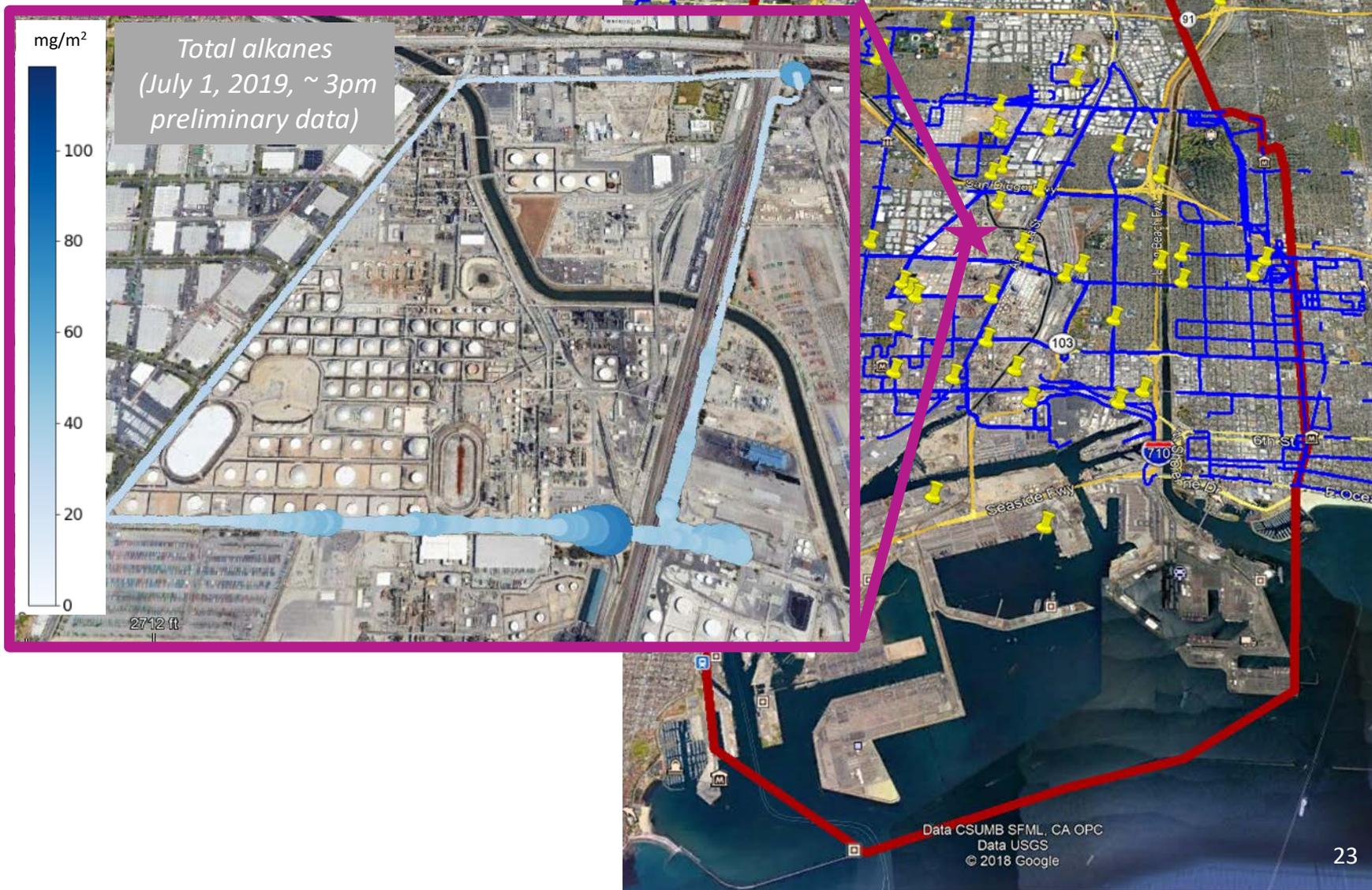
Periodic AB 617 ORS mobile surveys for in this community will be ongoing



AB 617 Mobile Monitoring: Platform 2 (ORS)



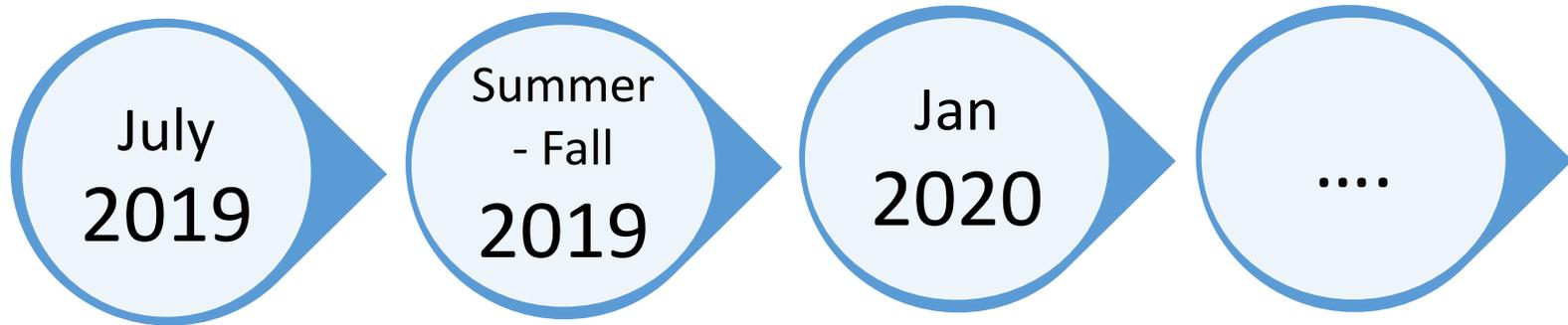
AB 617 Mobile Monitoring: Platform 2 (ORS)



AB 617 Mobile Monitoring: Platform 2 (ORS)



AB 617 and Rule 1180 Air Monitoring for Refinery Priority



AB 617
monitoring
begins

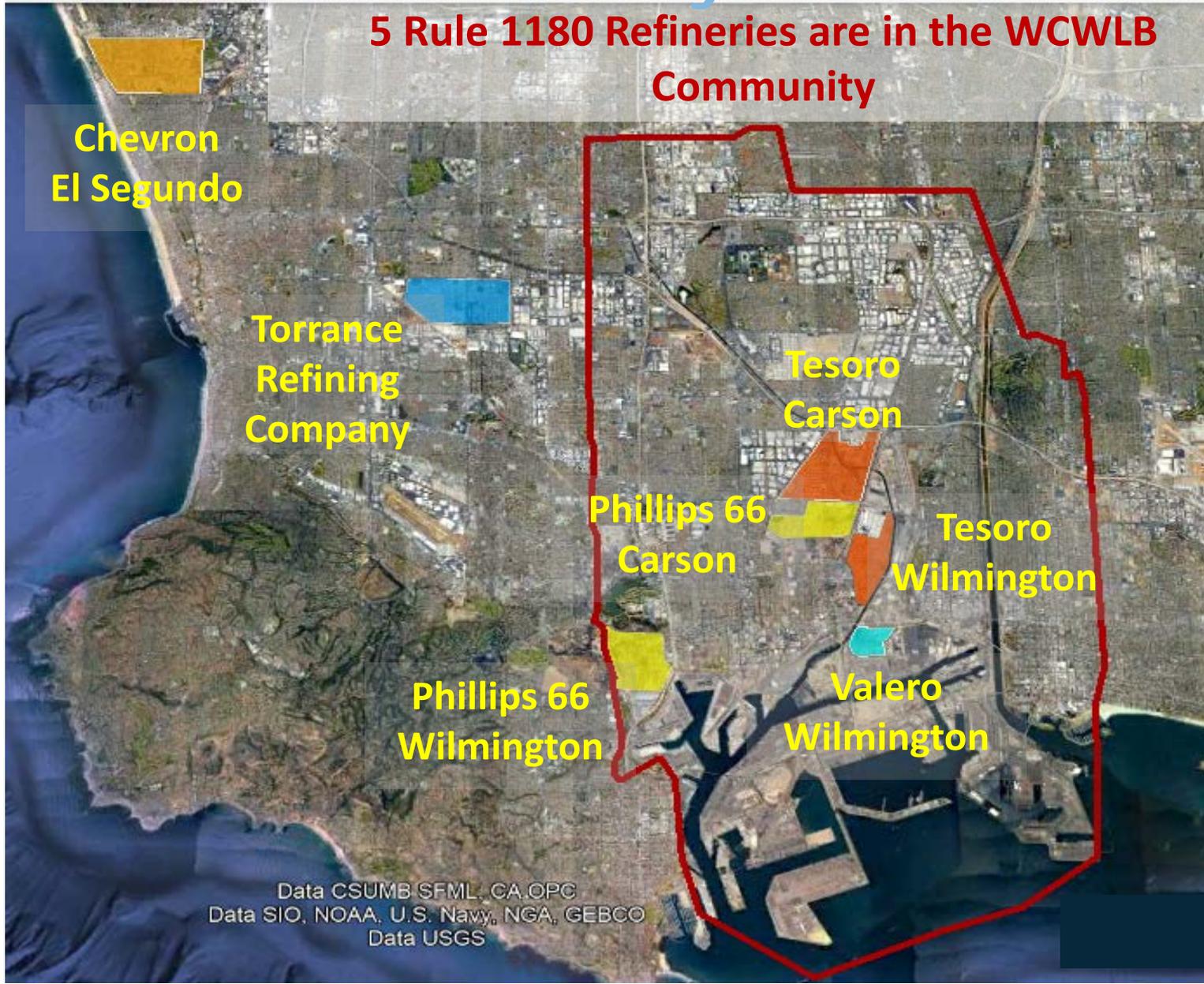
AB 617
monitoring
ends

Rule 1180
monitoring*
begins

**Fenceline and community
monitoring*

Continuous Monitoring for Refinery Priority

5 Rule 1180 Refineries are in the WCWLB Community

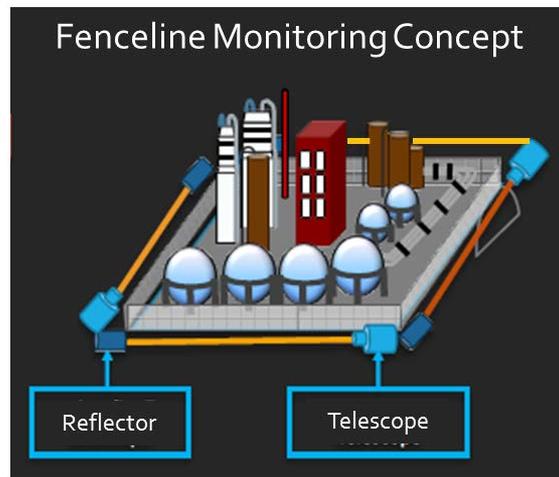


Data CSUMB SFML, CA OPC
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Data USGS

Rule 1180: Implementation Approach

Fenceline Air Monitoring

- Starting in 2020, a sophisticated network of fenceline and community air monitoring systems will continuously (24/7) provide near-real time air quality information in this community
- Near real-time fenceline air quality information



Community Air Monitoring

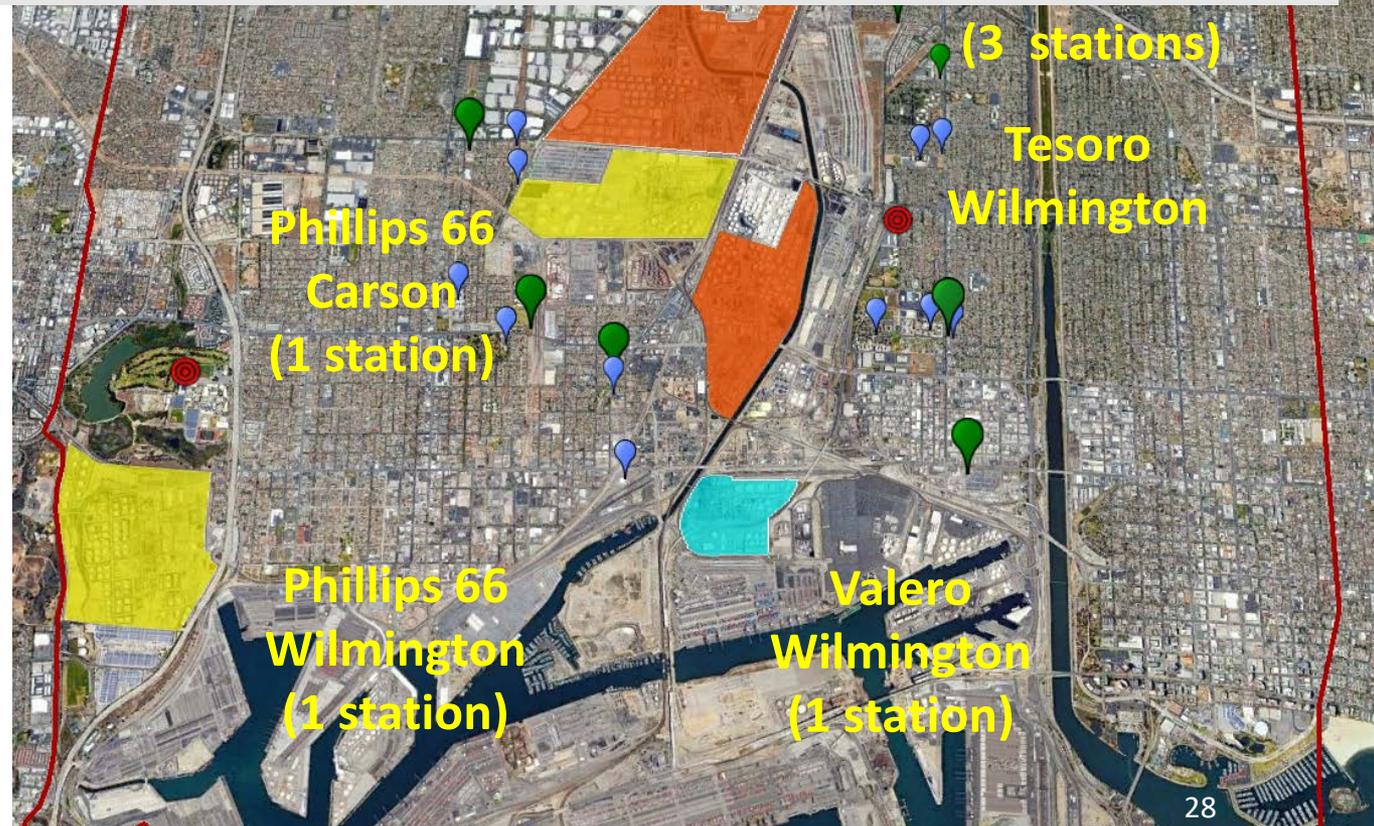
- Near real-time measurements
- Up to six air monitoring stations in this community



Rule 1180: Potential Locations for Community Monitoring

**Input on community air monitoring locations is
welcome**

-  Secured site
-  Preferred site
-  Other potential site



Community Air Monitoring Website

The screenshot shows the website's header with navigation links: Language, About, Contact, Grants & Bids, Online Services, I'm Looking For, Sign Up, and a search bar. Below the header is a menu with categories: AIR QUALITY, RULES & COMPLIANCE, INCENTIVES & PROGRAMS, PERMITS, NEWS, WEBCASTS, & CALENDAR, TECHNOLOGY ADVANCEMENT, RESOURCES, and MEETING AGENDAS & MINUTES. The main content area features a breadcrumb trail: Home / About / Initiatives / Community Efforts / Environmental Justice / AB 617 & AB 134 / AB 617 Community Air Monitoring / Communities / Wilmington, Carson, West Long Beach Community Air Monitoring. A 'Share:' button with Facebook and Twitter icons is present. The title 'Wilmington, Carson, West Long Beach Community' is centered. Below it, a paragraph states: '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.' There are three main content sections: 1. 'Air Monitoring Data Display' with a bullet point for 'Wilmington, Carson, West Long Beach Community'. 2. 'Data Summaries and Reports' with a bullet point for 'West Rancho Dominguez Emissions Investigation *New!*' which includes a description of hexavalent chromium monitoring and a date of 7/19/19. 3. 'Community Air Monitoring Plan (CAMP)' with a detailed paragraph about the plan's purpose and the agency's request for public input. A 'YOU MAY ALSO LIKE ...' section on the right highlights 'Rule 1180 - Refinery Fenceline Air Monitoring Plans' with a sub-link for 'Rule 1180 Refinery Fenceline Monitoring Plans'.

Access to data summaries and reports

Rule 1180 Webpage



Contact Info

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Next steps and important reminders

Future meeting date and location:

- CSC Meeting #10: September 12th (6:00 p.m. – 8:00 p.m.) at Wilmington Senior Center

Likely agenda items for CSC Meeting #10:

- September Governing Board Meeting Recap
- Final CERP
- CARB Approval Process
- Community Air Monitoring Highlights

Is the CSC okay with these topics?

Any additional topics?

Important Dates and Deadlines

Draft Final CERP to be submitted to Governing Board:

September 6, 2019

Begins at 9:00 am

South Coast AQMD Headquarters in the Auditorium



Thank you
for the hard work!

More information on AB 617:

www.aqmd.gov/AB617

Email: AB617@aqmd.gov

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