

Community Air Initiatives

East Los Angeles, Boyle Heights, West
Commerce
Community Steering Committee
Meeting #9

*Thursday, August 22, 2019
Commerce Senior Center
Commerce, CA*

Announcements and Meeting Objectives

- Professor Jonathan London, UC Davis
- Governing Board Process Overview
- Stationary Source Committee Meeting Recap
- Discuss Draft Community Emissions Reduction Plan (CERP)
- Community Air Monitoring Highlights



ELABHWC Progress



CSC Presenter:

Los Angeles County
Department of Public Health



Overview of LA County Department of Public Health

Cristin Mondy, RN, MSN, MPH
Regional Health Officer – Metro LA (SPA 4)
LA County Department of Public Health





Overview

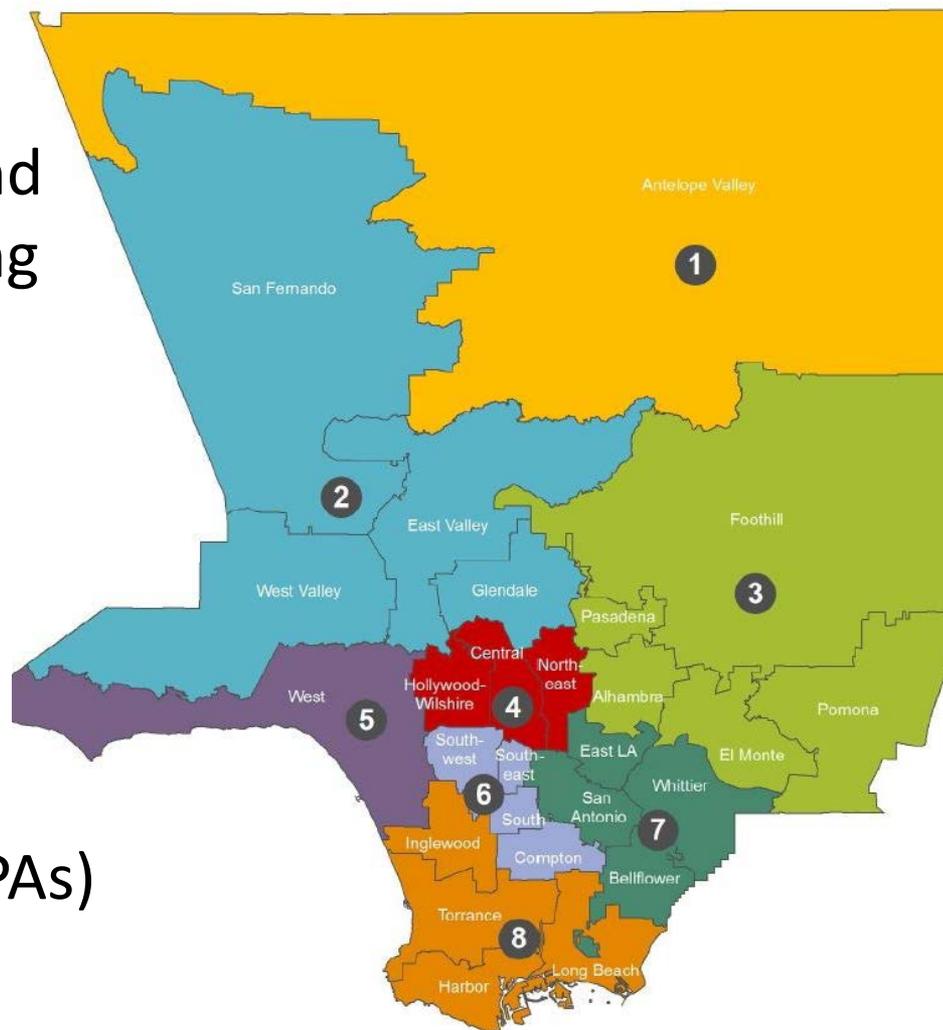
- Department of Public Health
- Metro LA Regional Health Office
- Environmental Health
- Resources



LA County Department of Public Health

Mission: To protect health, prevent disease and injury, and promote health and well-being for everyone in Los Angeles County

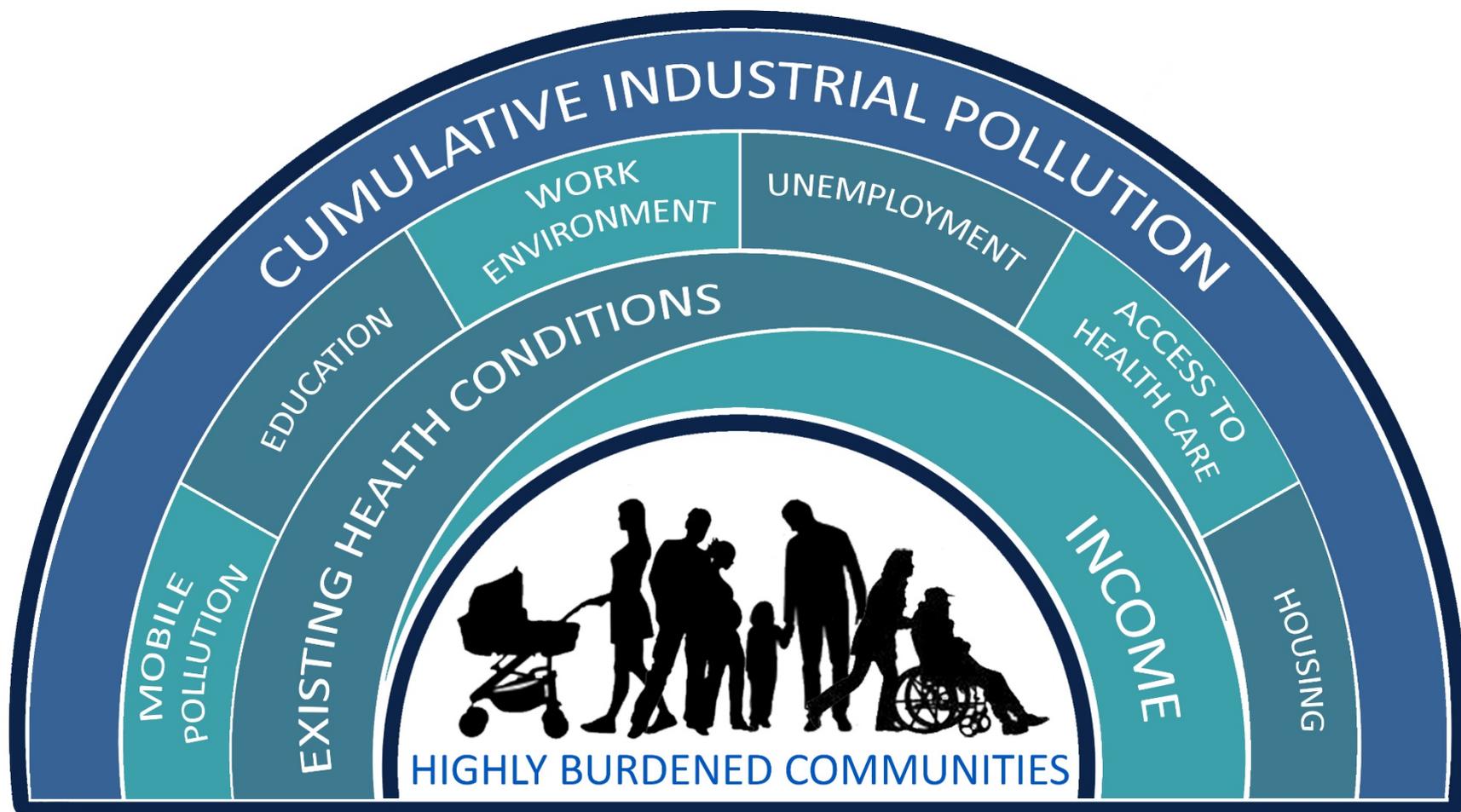
- ~4,000 DPH employees
- 10.2 million residents
 - ~30% CA population
- 8 Service Planning Areas (SPAs)



Everyone deserves...

	Good schools		A thriving and inclusive economy
	Safe and supportive neighborhoods		Strong social connections
	Quality healthcare`		Sustainable, healthy environments

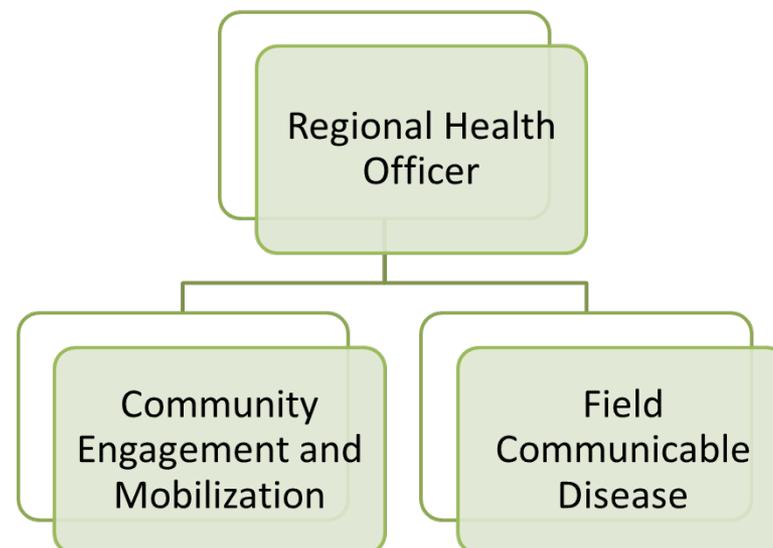
Highly Burdened Community



Metropolitan LA Regional Health Office (SPA 4)

Develop, plan, implement, administer, and evaluate priority public health policies, initiatives, and programs in SPA 4 related to:

- Community Health Improvement and Engagement
- Communicable Disease Control and Management
- Public Health Emergency Response and Recovery



Community Field Response Teams

Activated during an urgent or emergency situation

Examples from Exide:

- Door-to-Door outreach
- Mobile resource centers
- Print media
- Mass communication
- Partner engagement
- Partnership with the other County Department and DPH programs



Other DPH Programs

- Tobacco Control and Prevention Program
- Injury & Violence Prevention Program
- Substance Abuse and Prevention Program
- HIV/STI Prevention
- Veterinary Public Health
- Women's Health
- Emergency Preparedness and Response
- Nutrition Program
- **Environmental Health**

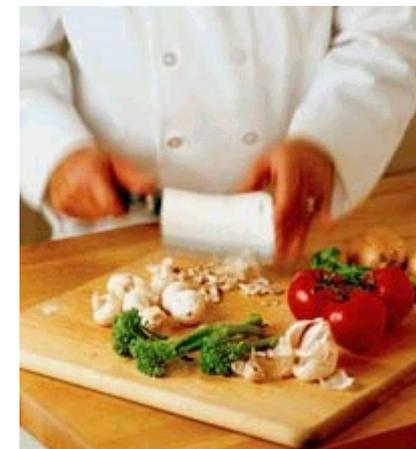


Environmental Health

Works to assess environmental conditions, reduce exposure, and education the public on environmental risk

BRANCHES:

- District Surveillance and Enforcement
- Environmental Planning and Support
- Environmental Protection
- Specialized Surveillance and Enforcement
- Toxicology & Environmental Assessment



Mission of Toxicology and Environmental Assessment



- To assess toxic releases or toxic-related disease
- To advocate for toxic risk reduction through prevention policies and response efforts
- To empower communities with environmental health information so they can take actions to reduce their risk.



Toxicology and Environmental Assessment

Community Engagement

- Inform on pollution sources, compliance, health risks, and strategies for risk reduction.
- Engage residents, community organizations, local governments, schools, and businesses

Monitoring

- Monitor environmental conditions and share data sources
- Monitor health conditions and engage health care providers
- Promote reduction of cumulative emissions

Regulator Engagement

- Convene multi-agency enforcement, referrals, and inspections
- Inform State and local regulators on health protection decisions for rules, laws, and permits

Health Protective Policies

- Land use programs
- Planning agencies
- Local government ordinances
- Public health guidance to reduce risks

Public Health Centers – SPA 4 & SPA 7

- Commitment to:
 - Integrated Care
 - Health Equity
 - Access to Care



Central
241 N. Figueroa Street
Los Angeles, CA 90012
(213) 288-8204



Hollywood/Wilshire
5205 Melrose Avenue
Los Angeles, CA 90038
(323) 769-7800



Whittier
7643 S. Painter Avenue
Whittier, CA 90602
(562) 464-5350

The **Asthma Coalition of Los Angeles County** is a collective, powerful voice for policy and systems change to prevent, minimize and manage the burden of asthma.



Increase access to and improve quality of health care

- Provider training
- Promote Asthma Action Plans

Improve asthma management in schools

- Support asthma management policies in schools
- Ensure student AAPs on file

Improve indoor air quality

- Promote Integrated Pest Management
- Educate inspectors, tenants, landlords
- Educate families on indoor air triggers
- Connect CHWs with clinical staff

Improve outdoor air quality

- Educate and inform legislators
- Offer policy support and testimony



THANK YOU!

Cristin Mondy

Regional Health Officer, Metropolitan LA (SPA 4)
County of Los Angeles Department of Public Health
cmundy@ph.lacounty.gov



Governing Board Process Overview



Governing Board Process

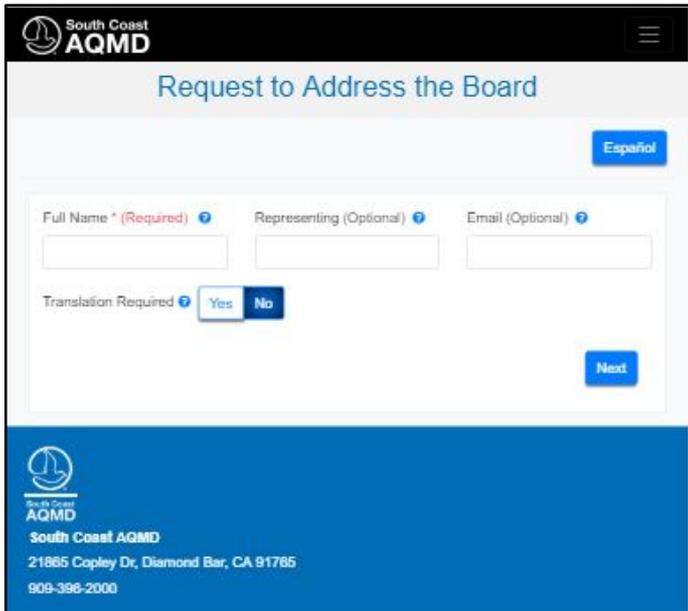


Governing Board
September 6, 2019
begins at 9:00 a.m.
South Coast AQMD Headquarters
Auditorium

- 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
- Recommended action to the Board is to approve the AB 617 Community Emissions Reduction Plans for the Year 1 Communities
- 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)²⁰

Public Comment

- To provide comments:
 - Use kiosks in lobby to request to address the Board
 - After entering your name, 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



The screenshot shows a kiosk interface for the South Coast AQMD. At the top, it says 'South Coast AQMD' and 'Request to Address the Board'. There is a blue 'Español' button. Below that are three input fields: 'Full Name * (Required)', 'Representing (Optional)', and 'Email (Optional)'. There is also a 'Translation Required' section with 'Yes' and 'No' buttons. A blue 'Next' button is at the bottom right. The footer contains the South Coast AQMD logo and contact information: 'South Coast AQMD', '21865 Copley Dr, Diamond Bar, CA 91765', and '909-398-2000'.

- 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 consideration

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

Stationary Source Committee Meeting Recap



Stationary Source Committee Meeting

- The meeting held 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 issues discussed:
 - Analysis of emission sources
 - Quantifiable emissions reduction targets
 - Health metrics
- Staff recommended Communities for Year 2 Implementation of AB 617
 - Recommendations were supported by Stationary Source Committee



Key Issues Discussed at Stationary Source Committee Meeting

Issue	Response
Analysis of emission sources	<ul style="list-style-type: none">• Sources of air pollution in this community are presented in Chapter 3b: “Emissions and Source Attribution” in the Draft CERP• Diesel particulate matter (PM) is the main air toxic pollutant in this community, and it comes mostly from on-road and off-road mobile sources (i.e., heavy-duty trucks)• Other key air toxic pollutants in this community are hexavalent chromium (mostly from brake wear) and 1,3-butadiene (mostly from the chemical industry)

Key Issues Discussed at Stationary Source Committee Meeting

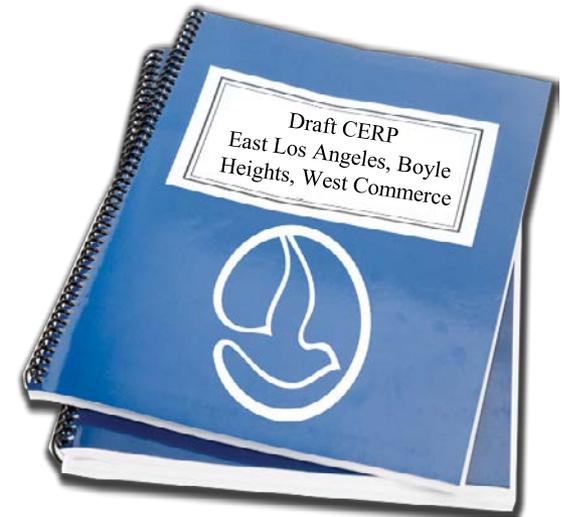
Issue	Response
<p>Include quantifiable emissions reduction targets</p>	<ul style="list-style-type: none"> • Estimated emission reductions targets are in Chapter 5a of the Draft CERP and will be further discussed today • Emission reductions are based on historical incentive projects in this community and future CARB regulations <ul style="list-style-type: none"> ○ Advanced Clean Truck Rule ○ Heavy-Duty Low NOx Rule ○ Heavy-Duty Inspection and Maintenance (Heavy-duty Smog Check) ○ Transport Refrigeration Unit Regulation ○ Cargo Handling Equipment Amendment
<p>Address health metrics</p>	<ul style="list-style-type: none"> • Primary focus of AB 617 and CERPs is to reduce emissions • Emission reductions from CERPs provide long term benefits for public health • Staff is working on identifying health based programs related to air quality (e.g., asthma management programs) • Statewide discussion, health studies are outside scope and resources of CERP process

Draft Final 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 25, 2019
 - Comments received by August 9, 2019
- Expected release of Draft Final CERP: **August 30, 2019**



How will the actions reduce emissions?

Examples



Incentives

- Incentivize clean technology to reduce emissions from trucks, railyard equipment, etc.
- For example, reduce emissions from heavy-duty trucks transiting the community (Chapter 5b, Action 2)



Enforcement

- Focus on non-compliant trucks, equipment, and facilities
- For example, reduce emissions from illegal heavy-duty truck idling in the community (Chapter 5b, Action 1)



Rules and Regulations

- Establish requirements to reduce emissions from the source
- For example, participating in CARBs rule development for future amendments to their truck regulations (Chapter 5b, Action 2)

How will the actions reduce emissions?

Examples (continued)



Outreach

- Inform stakeholders about existing rules and regulations and how to comply
- For example, provide outreach to metal processing facilities on best management practices and incentives (Chapter 5d, Action 2)



Monitoring

- Identify sources of emissions and track progress
- For example, conduct air monitoring near auto body shops, and if persistent elevated levels are found, conduct follow-up investigation (Chapter 5f, Action 1)



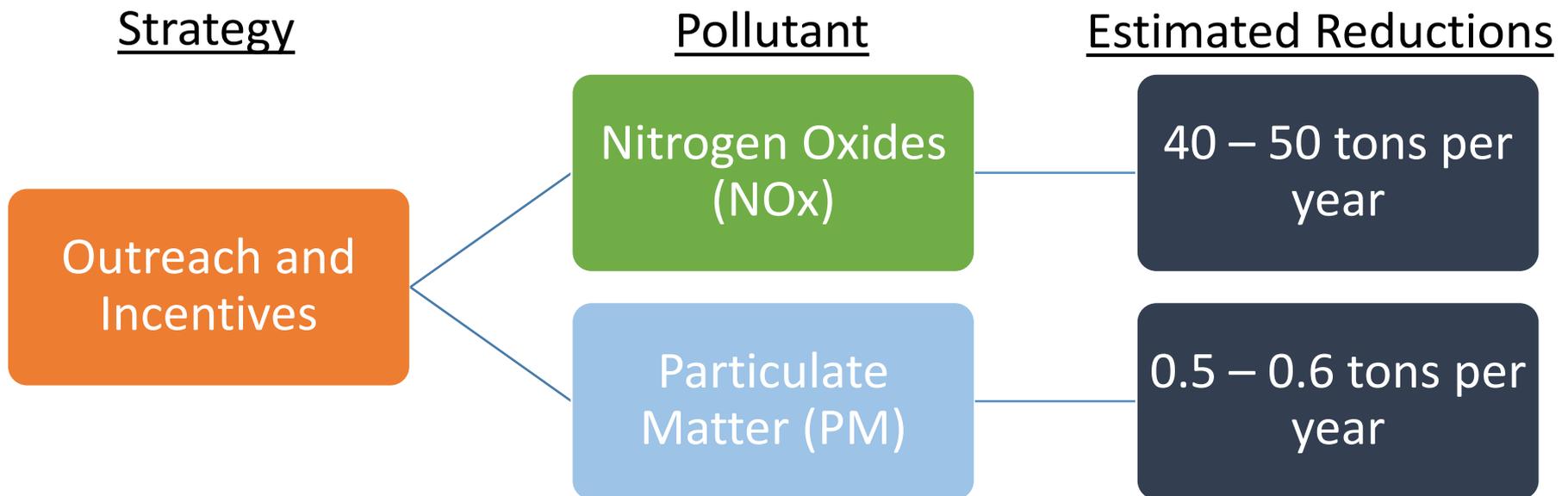
Collaborations

- Form partnerships with other entities to address air pollution
- For example, collaborate with COFEM to develop health messaging and provide outreach for air quality and public health (Chapter 5g, Action 1)



Emissions Reduction Targets

- Emissions reduction targets that are quantifiable are included in the CERP
- Some strategies or actions will result in emission reductions, but are not quantifiable at this time
- Although some emissions reductions have yet to be determined, measurable metrics have been included through the Goals section of the CERP



CARB Emissions Reduction Targets by 2029 (tons per year)

Rules and Regulations (CARB)		PM2.5	Diesel PM	NOx	VOC
		Advanced Clean Car 2	0.05	0.002	2.6
Advanced Clean Truck	0.2	0.02	8	N/A	
Heavy-Duty Inspection and Maintenance	0.8	0.8	123	N/A	
Low NOx Engine Standard	N/A	N/A	198	N/A	
Small Off-Road Engine Amendment	N/A	N/A	7.1	60	

Emissions Reduction Strategies and Targets (To Be Determined)

Strategy

Examples of CERP Actions

Rules and Regulations
(South Coast AQMD)

Warehouse Indirect Source Rule (ISR)

Railyards ISR

Monitoring and/or
Focused Enforcement

PM Fugitive Emission Reductions (e.g.,
from Metal Processing and Auto body
shops)

Reduce Truck Idling



South Coast
AQMD

Updates on Community Air Monitoring in ELABHWC

Payam Pakbin, PhD
Program Supervisor

Fixed Monitoring - Baseline

Central LA

Purpose: provide information about general air quality conditions in the region and track progress

Resurrection Church

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



- Fixed monitoring continues at two sites
- A continuous NO2 monitor was added at Resurrection Church

Data Access:

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

Fixed Monitoring – Update Resurrection Church Site



- New trailer at Resurrection Church
- NO₂ monitors added and data is available on the Data Display tool
- CSC Meeting in September will be held at Resurrection Church

Resurrection Church
Monitoring Station
was upgraded on
August 8th

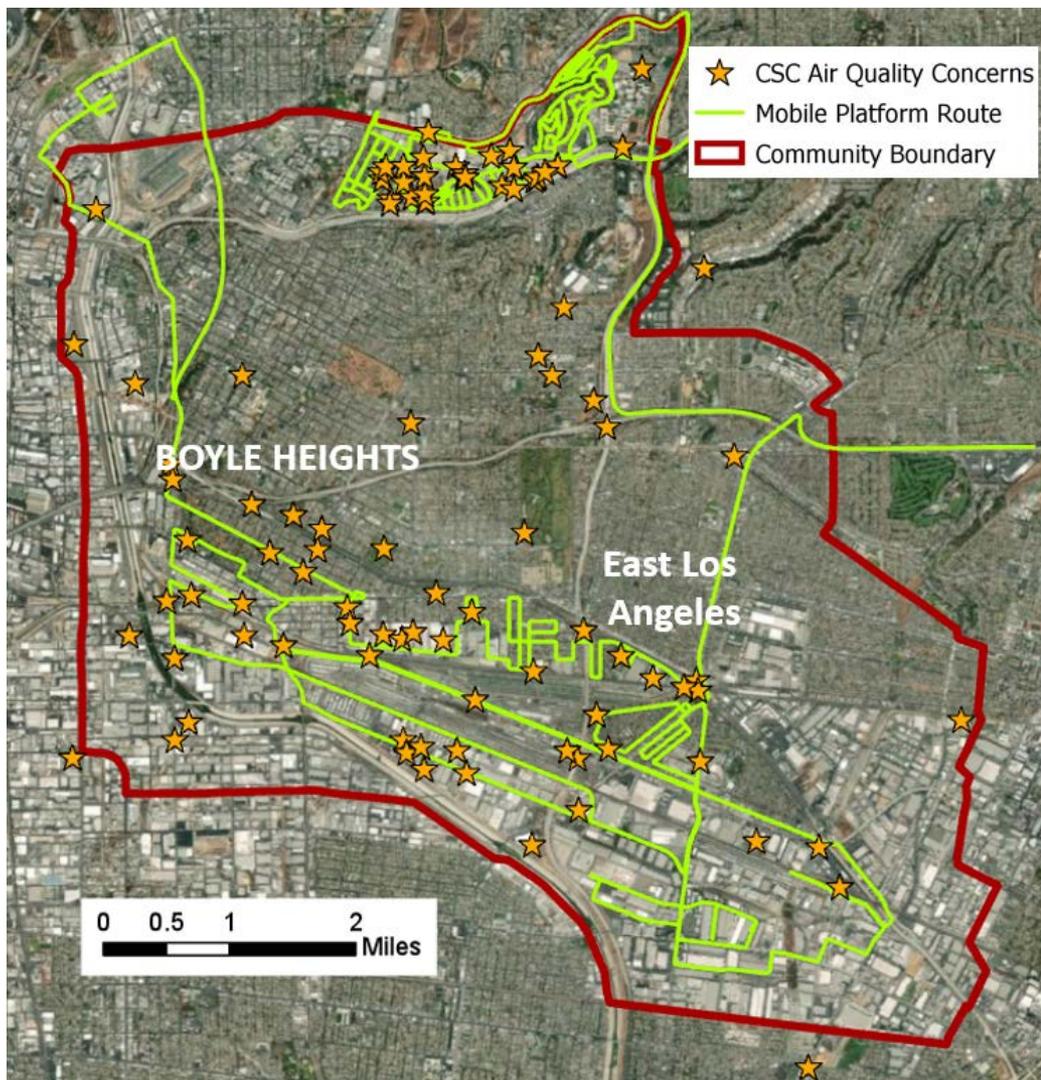


AB 617 Mobile Monitoring

Mobile Platform Measurements:

- 3 days of measurement:
 - 2019/07/23
 - 2019/8/13
 - 2019/8/14
- All measurements conducted between 12 and 5 PM
- About 80% of all CSC air quality concerns were surveyed
- Data is being processed
- Next round of mobile measurements is scheduled for September

Periodic AB 617 mobile surveys in this community



AB 617 Mobile Monitoring

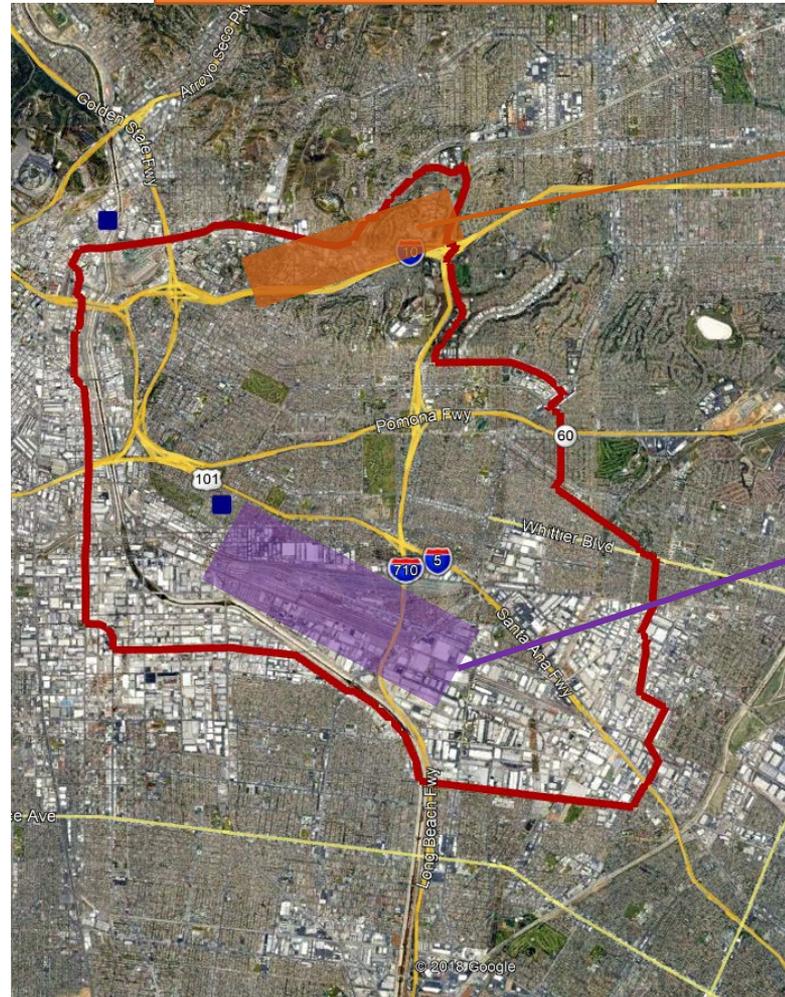
Targeted Area Surveys



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

August Update: Targeted area surveys covering priority areas:

- Railyards
- Warehouses
- Manufacturers
- Downwind communities



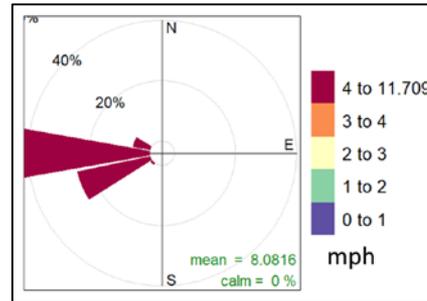
Warehouses, manufacturers, and impacted communities

Railyards, truck traffic, and impacted communities

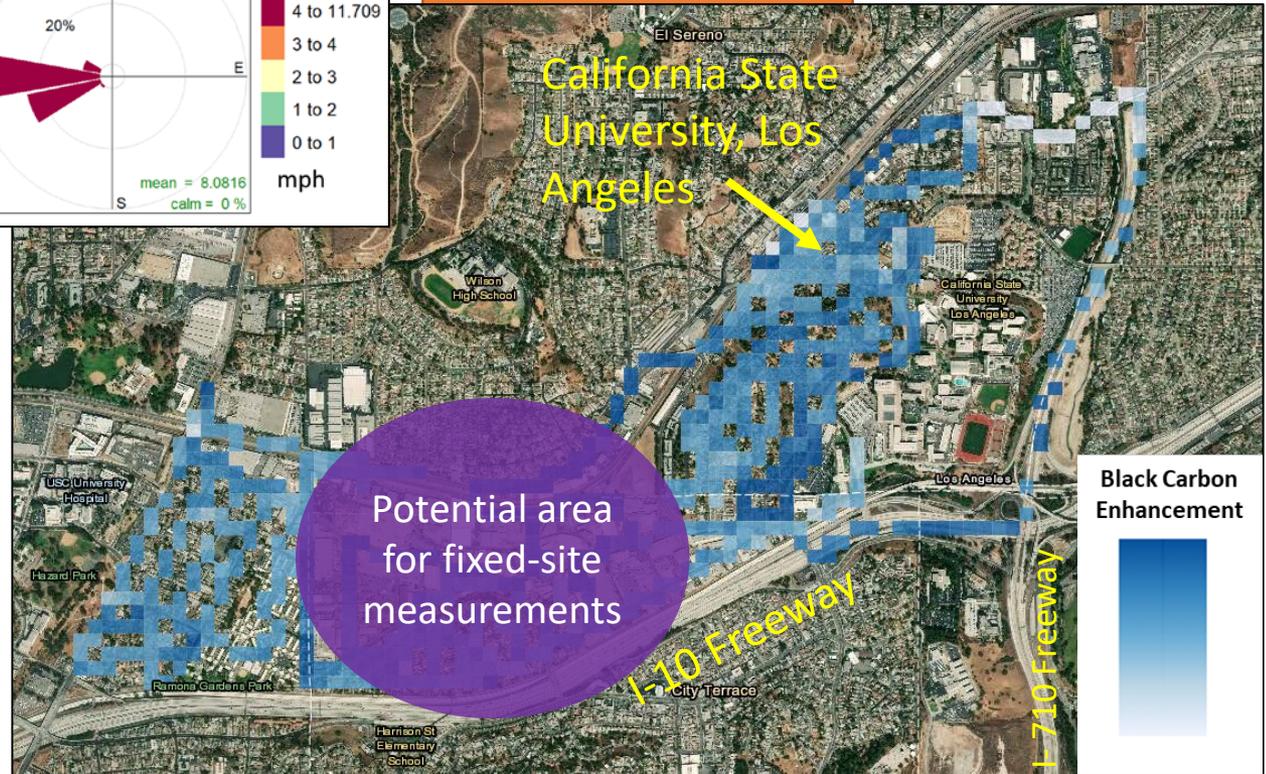
Warehouses & Manufacturers

Targeted Survey:

- One measurement day (between 12 – 3PM)
- Additional surveys in nearby communities
- Survey measurements conducted to guide the selection of fixed monitoring location(s)
- Diesel PM tracers (BC, NO₂, CO) levels were within typical ambient levels

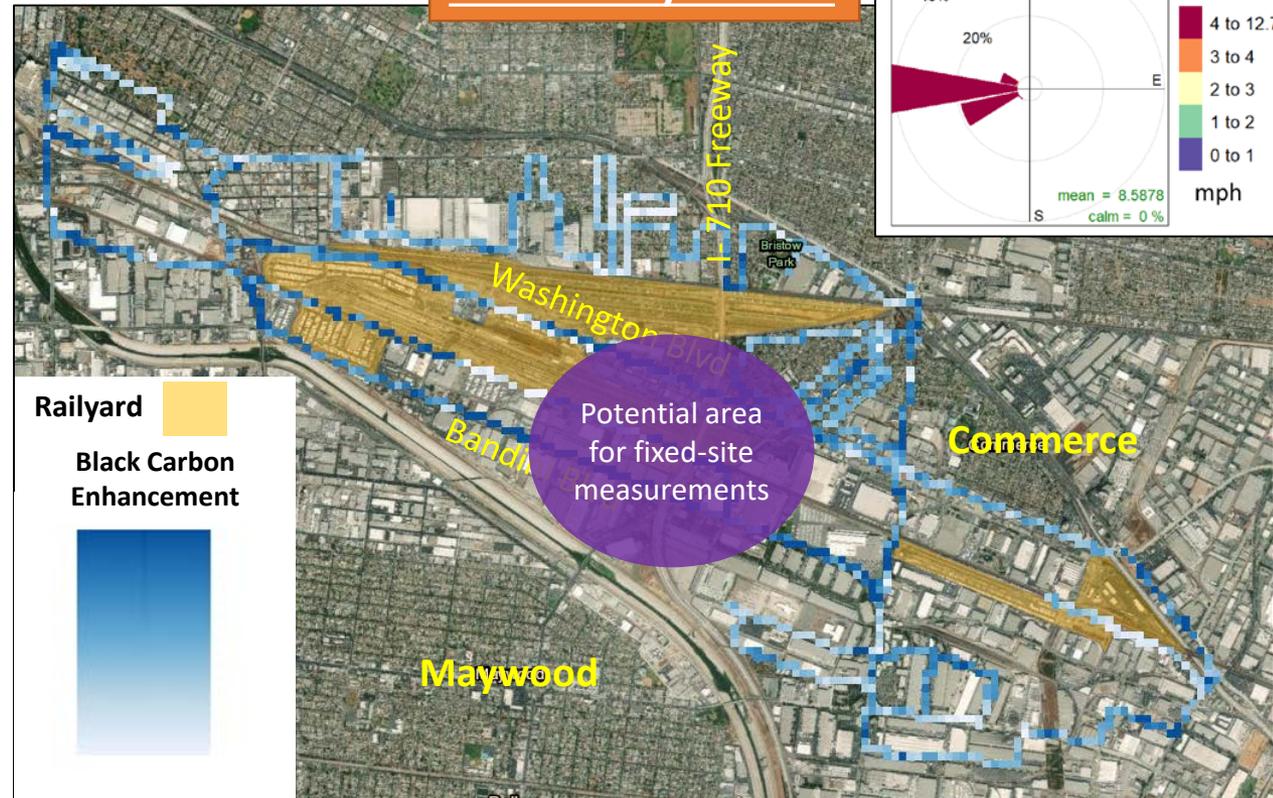
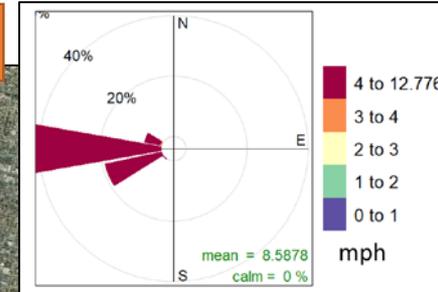


Preliminary Results



BNSF Railyard & Bandini/Washington Corridor

Preliminary Results



Targeted Survey:

- Survey measurements conducted to guide the selection of fixed monitoring location(s) at and around the BNSF railyard and the Bandini/Washington corridor to conduct fixed site monitoring
- Fixed monitoring to focus on BC
- Diesel PM tracers (BC, NO₂, CO) levels were within typical ambient levels



Contact Info

Andrea Polidori, PhD

Email: apolidori@aqmd.gov

Office: 909-396-3283

Payam Pakbin, PhD

Email: ppakbin@aqmd.gov

Office: 909-396-2122

Next steps and important reminders

Future meeting date and location:

- CSC Meeting #10: September 26th (6:00 p.m. – 8:30 p.m.) at Resurrection Church

Likely agenda items for CSC Meeting #10:

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

Is the CSC okay with these topics?

Any additional topics?

Proposed Roster Updates

- Request to change alternate for David Juarez (Assemblymember Miguel Santiago's Office) from Luis Melchor to Jorge Adame
- Request for Marisa Blackshire (BNSF) to become primary member and set LaDonna DiCamillo (BNSF) as her alternate



Next steps and important reminders (continued)

Future Meetings and Important Dates

- Facility-Based Mobile Source Measures Warehouse Working Group Meeting:
Friday, August 23, 2019 at 10:00 a.m., South Coast AQMD Headquarters in Room GB
- Draft Final CERP to be submitted to Governing Board:
September 6, 2019, Begins at 9:00 a.m., 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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