

# East Oakland Community Emission Reduction Plan (CERP)

## **Community Steering Committee Meeting #18**

*April 11, 2024*



**BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT**

**COMMUNITIES  
FOR A BETTER  
ENVIRONMENT**  
established 1978

# Welcome

Co-Chairs: Aiyahna Johnson, Mr. Charles Reed, Mykela Patton

# Meeting Objectives

## Meeting Objectives:

- CSC members will get a better understanding of the impact they have on the CERP.
- Co-Leads will follow-up with some of the CSC member's feedback and questions from March's meeting.
- CSC members and community will continue crafting Focus Area Statements and Strategy Objectives.

# Meeting Agenda

- **Welcome, Agenda** (10 mins; 6:00-6:10 PM)
- **Follow up from CSC #17** (40 mins; 6:10-6:50 PM)
- **Break** (10 mins; 6:50-7:00 PM)
- **Strategy Development Breakout Sessions** (55 mins; 7:00-7:55 PM)
- **Next Steps and Close Out** (5 mins; 7:55-8:00 PM)

## Initial Meeting Agreements or Notes for Participation

- **One mic, one voice:** If in person, raise your hand to speak. If on Zoom, use Raised Hand function under Reactions at the bottom of your screen.
- Have grace for ourselves and one another.
- Take care of yourself (Stretch, drink water and breathe).
- Mutual respect, empowerment and active listening for all participants.
- **Community building on Zoom:** Use Chat and the Reaction emojis to inspire and encourage one another.
- **For any questions throughout the meeting:** If in person, please raise your hand to ask a question. If on zoom, in addition to hand-raising, you may also use the Zoom Chat. CBE and BAAQMD staff will be responding to your questions.

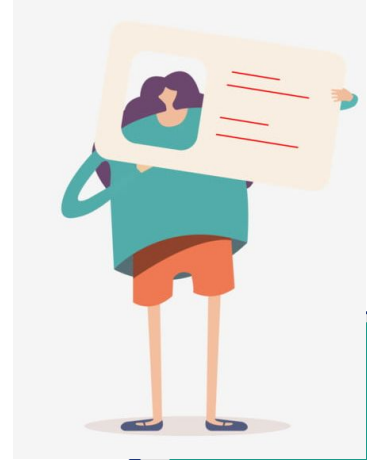
# Community Building

In person attendees are encouraged to interact with fellow participants during the dinner/meet and greet.

**Virtual attendees, please type into the Zoom Chat:**

- Your Name
- Your Pronouns
- Any affiliated organizations

***Note:*** *CSC members, please raise hand if you are not able to type into chat and we will have you speak aloud.*



# CERP Planning Framework

## SCOPE

Scope out air quality concerns; start to identify priorities

## ASSESS

Gather community perspectives & lived experience, technical analyses, data & research

## IDENTIFY KEY ISSUES

Develop a shared understanding of problems & challenges

## PLAN SOLUTIONS

Identify potential strategies to reduce emissions & exposure






## TAKE ACTION



Implement emission & exposure reduction actions & enforcement measures

## MEASURE PROGRESS

Track & report progress towards achieving community vision

# Where are We Today?

Where are We Today?		2023				2024				2025			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
 <b>SCOPE AND ORGANIZE</b> PARTNERSHIP WITH COMMUNITY	Steering Committee (CSC)	»»»								»»»			
	CSC Governance	■	☑										
	Plan Vision & Principles	■	☑										
	Plan Community Boundary		■	☑									
 <b>ASSESS</b> THE CHALLENGES	Community Profile			■	■	■							
	Emissions Inventory			■									
	Health Inequities Information			■									
	Community Mapping Project			■	■								
	Compliance & Enforcement Data				■								
 <b>PLAN</b> OUR SOLUTIONS	Strategy Development		■										
	Plan Goals			■									
 <b>PLAN</b> REVIEW & ADOPT	Draft Plan								■				
	Environmental Assessment								■	■			
	Plan Adoption - CSC								■	■			
	Plan Adoption – BAAQMD									■	■		
	Plan Adoption – CARB										■	■	
 <b>Implement</b>	Plan Implementation											»»»	
	Track Progress												»»»
	Report on Progress												»»»

 INTRODUCTION TO THE STEERING COMMITTEE
  DECISION MADE



# Follow up from CSC #17

Carly Cabral, CBE  
Alison Kirk, BAAQMD

# What the Community Steering Committee (CSC) likes

- Keep the Zoom chat open to all topics
- Hybrid meetings are great & accessible
- Popcorn to all members to ensure participation
- Interest in starting Ad Hoc committees, for example: community engagement, legal (lawsuits, rights, grievances), existing policies

# What CSC suggests can be improved

- Explain presentation purpose, why the info is useful
- Example: Where are the breakout activities going? How will breakout activities influence the CERP?
- Highlight how feedback has been incorporated into CSC work
- Presenters need to be more organized & clear; avoid overly technical info
- More outreach to community to bring awareness about the CERP

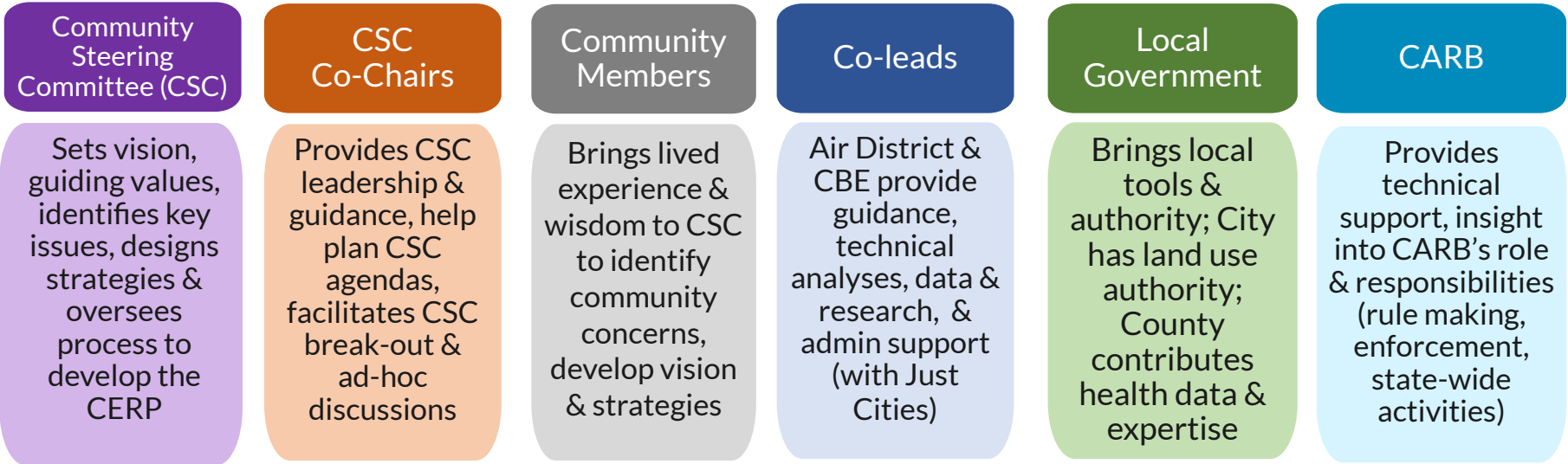
# What the CSC needs more info about

- What motivates the City of Oakland to implement their part of the CERP?
- Emissions inventory data; who & where are the polluters?
- What are agencies & other partner groups committed to: budget, personnel and resources?

# Questions we will address tonight

1. When do we get to drafting the CERP?
  - a. Activities we are doing now contribute to the CERP
2. What are our goals for the CERP?
  - a. Goals need to be developed by the CSC
3. What are the CERP roles and responsibilities?
4. What can the CERP include and what can the CERP accomplish?

# CERP Roles & Responsibilities



# CSC member Roles & Responsibilities: From the East Oakland CSC Charter

1. Advise Co-leads in developing the CERP, including the scope of issues considered
2. Review & inform technical analyses to understand air quality issues in East Oakland
3. Reach out to your network & share what you have learned to inform the CERP
4. Review and inform strategies to solve the identified air quality issues.

To learn more about the CSC roles & responsibilities, please see the [East Oakland CSC Charter](#)

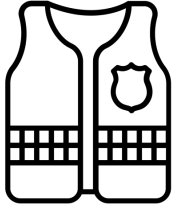
# Air District Roles & Responsibilities

1. Convene the Community Steering Committee
2. CERP adoption by Air District Board of Directors
3. Annual CERP reporting to CSC, Air District Board, & CARB
4. CERPs to include:
  - Vision & Principles
  - Plan-level Goals
  - Community Description
  - Air Pollution Overview
  - Enforcement Overview & Findings
  - Strategies that address CSC-identified concerns
  - Implementation Plan

To learn more about the Air District's roles & responsibilities, please see [CARB's Blueprint 2.0](#)

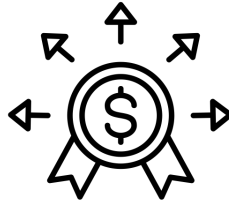


# What can a CERP Accomplish?



Created by Made  
from Noun Project

## Enforcement



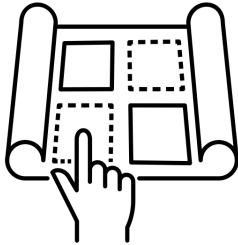
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## Incentives



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## Rules & Permitting



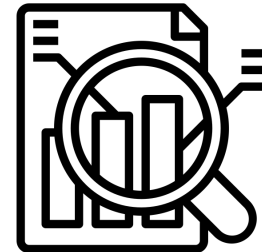
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## Zoning



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## Education & Advocacy

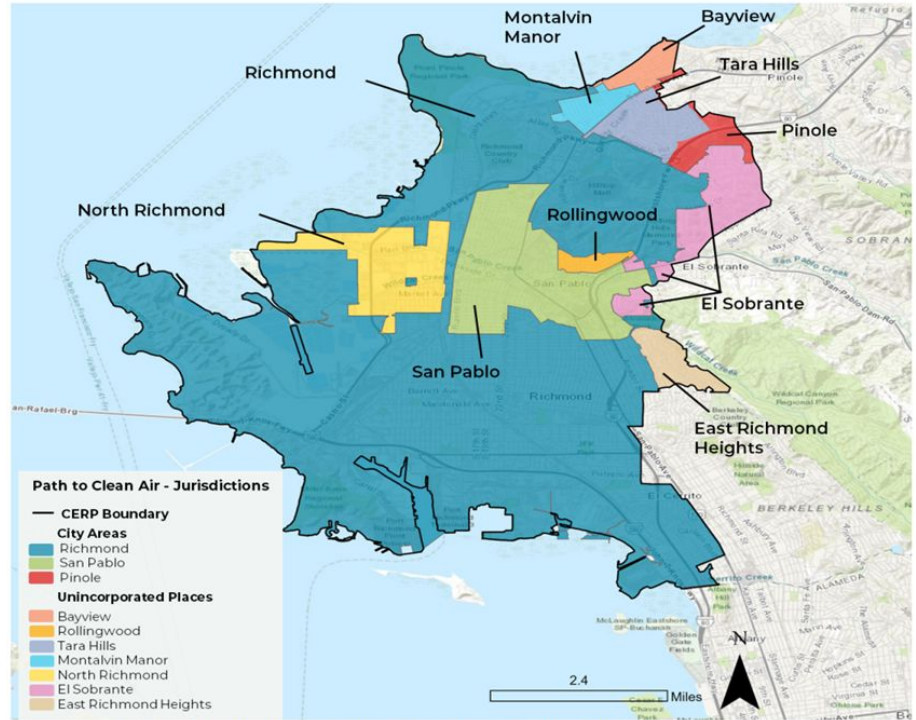


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## Research

# Example 1: Path to Clean Air (PTCA) Richmond-North Richmond-San Pablo CERP Overview

- Plan co-developed by the CSC, Air District, CARB & local government
- Contains new actions that go beyond existing efforts to further reduce local sources of air pollution that drive disparities
- Final Plan adopted by the CSC March 25th
- Next step: Air District Board of Directors and CARB adoption



Community Emission Reduction Plan Boundary and Jurisdictions

# PTCA Community-Identified Pollution Concerns



*Fuel refining is a major source of air pollutants including particulate matter and toxic gases*



*Trucks are a major source of diesel pollution*



*Tugboats with older engines are a source of diesel pollution*



*Construction and demolition are a source of particulate matter emissions*



*Wildfire exposure is dangerous, especially for families without proper preparation and resources*

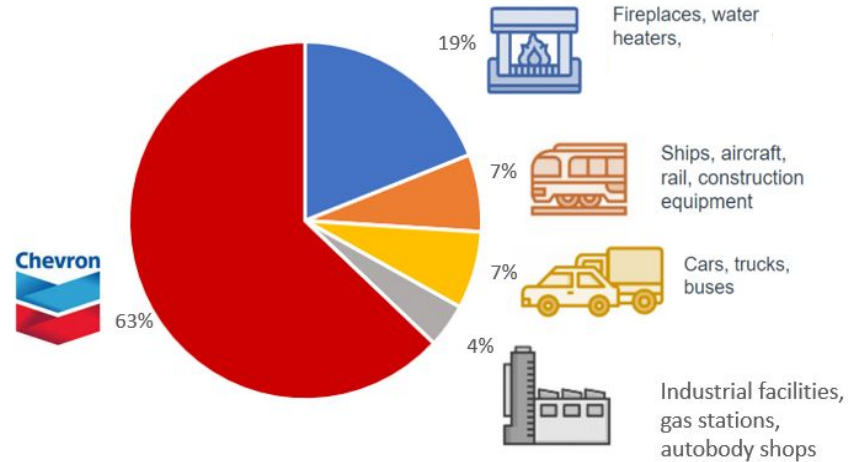
RICHMOND - NORTH  
RICHMOND - SAN PABLO  
COMMUNITY **PATH**  
**CLEAN A**



# PTCA Air Pollution Overview

- Two-thirds of fine particulate matter emitted in the PTCA area comes from permitted sources (fuel refineries and industrial uses)
- Chevron is contributing the majority of local fine particulate matter (PM<sub>2.5</sub>) emissions
- There are many other emissions sources in the area that contribute to PM<sub>2.5</sub> exposures, including vehicle traffic and industrial activities

## PM<sub>2.5</sub> Emissions in the PTCA





# Draft PTCA Plan Fuel Refining Strategy Action 1.1 & 1.2

## Move Towards a “Just Transition”

- **1.1 Educate the CSC and Air District** on how **Just Transition** would apply to the Zero Emission Future and a managed phase-down of fossil fuels in the PTCA area.
- **1.2 Incorporate Just Transition Principles** and Criteria in the prioritization and implementation of the PTCA Plan and **explore incorporating these in governmental policy making and rulemaking**







# Draft PTCA Plan Fuel Refining Strategy

## Action 2.1, 2.2, & 2.3

### Reduce Persistent Flaring and Improve Incident Response

- 2.1 Air District and the CSC will work with the **City of Richmond to strengthen the Industrial Safety Ordinance (ISO)**.
- 2.2 Air District will coordinate with the CSC to improve and expand **communications about all flaring events** for the fuel refining sector in the PTCA area and for **major incidents** at both fuel-refining and non-fuel-refining sources (also see 2.4)
- 2.3 Air District and CSC will collaborate with Contra Costa County to consider improvements for the **Community Warning System**



CONTRA COSTA  
**HEALTH**



# Draft PTCA Plan Fuel Refining Strategy Action 2.5 & 2.6

## Improve Communication Protocols and Rule Amendments

- 2.5 CSC will **make recommendations** on the improved communications protocols to the **Air District Board of Directors (BOD) Incident Response Ad Hoc**
- 2.6 Air District will initiate a rule development effort, further evaluating potential updates to flaring rules (**Rule 12-11 and Rule 12-12**), by the end of 2024. Rule development efforts will aim to **incorporate health impacts analyses**, enhance rule **enforceability**, and establish new and/or **more stringent limits**.



Flaring: an emergency process of burning off excess gases to prevent problems like explosions. Photo Source: NBC Bay Area [Facebook](#)



# Draft PTCA Plan Fuel Refining Strategy Action 3.1, 3.2 and 3.3

## Targeting Enforcement Resources and Enhancing Transparency and Coordination

- 3.1 Air District will develop and implement a **standardized Chevron inspection protocol** in partnership with the CSC.
- 3.2 Increase the frequency of Air District **inspections, audits, and investigations at Chevron and Chemtrade**
- 3.3 Build a stronger collaborative **relationship with operators and union health and safety representatives**



Air District employee conducting an inspection at a refinery





# Draft PTCA Plan Fuel Refining Strategy

## Action 3.9

### Create a Community Benefits Policy to Invest in the PTCA Area

- 3.9 Air District will partner with the CSC to develop, within 1 year of PTCA Plan adoption, a **Community Benefits Policy (CBP) that invests up to 100% of penalty monies** from the fuel refining sector back into the PTCA area.

The Community Benefits Policy would include:

- Criteria for types of investment, tied to air quality and climate protection
- A community-driven mechanism to incorporate community voice, including putting CSC in an advisory role



Public transportation



Urban greening (source: Richmond Urban Greening Master Plan)



Air filters



Public health programs

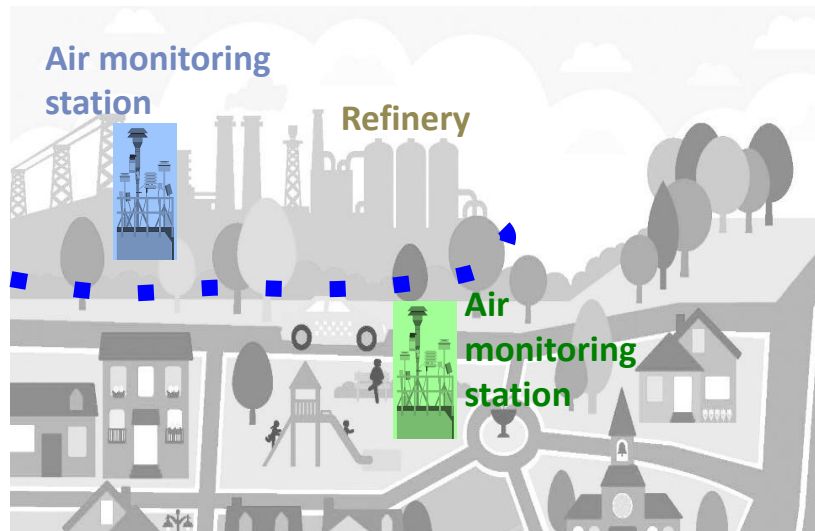
Above: types of community benefits



# Draft PTCA Plan Fuel Refining Strategy Actions 3.13, 3.14 & 3.15

## Improve Refinery Air Monitoring and Data Accessibility

- 3.13 **Improve** refinery fenceline and **community air monitoring programs**
- 3.14 **Improve** source emissions monitoring and **reporting for sources at the Chevron Refinery** and fuel refining-related facilities
- 3.15 Refinery related measurement **data accessibility improvements.**





# Draft PTCA Plan Fuel Refining Strategy

## Actions 5.5 & 5.6

### Reduce Exposure and Public Health Impacts from Particulate Matter and Other CAPs Emitted by the Fuel Refining sector

- 5.5. Initiate rule development for **nitrogen oxides (NOx) emissions from combustion sources** at petroleum refineries by the end of 2024
- 5.6. Initiate rule development to evaluate controls to **reduce sulfur dioxide (SO<sub>2</sub>) emissions and secondary fine particulate matter (PM<sub>2.5</sub>)** generated by Chevron and related industries in the PTCA area

**Fine particles** pollution can cause:

- Shortness of breath
- Wheezing, coughing
- Chest pain
- Fatigue

Fine particles can make these conditions **worse**:

- Cardiovascular and heart disease
- Asthma and COPD

**Ground-level ozone** pollution can cause:

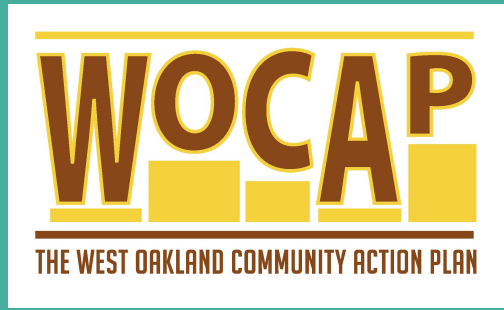
- Difficulty breathing deeply
- Shortness of breath
- Sore throat
- Wheezing, coughing
- Fatigue

Ozone can make these conditions **worse**:

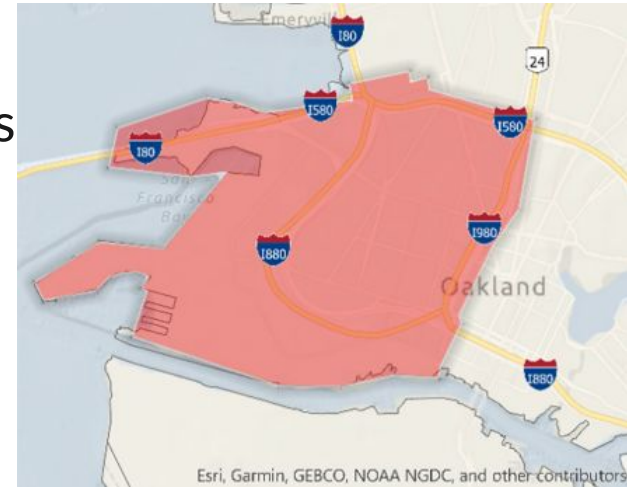
- Asthma and COPD
- Emphysema

Source: MN Pollution Control Agency

# Example 2: West Oakland CERP



- WOCAP adopted in 2019 with 109 Strategies
- Now in year 5 of implementation
- 8 Air District Divisions implementing strategies
- 4 active external agencies (Port, City, Alameda County, CARB) implementing strategies
- 13% of strategies complete; 38% in progress; and 18% ongoing



# Deliver funds to emission reduction projects

## WOCAP has helped bring:

- \$4.5M to AC Transit for hydrogen fueling station upgrades to support fleet expansion (WOCAP Strategy #52)
- \$3.3M in co-funding to NorCal drayage to pilot 30 hydrogen trucks & infrastructure (#52)
- Replacement of existing equipment with cleaner equipment
  - 9 tug boat engines & 2 rubber-tired gantry cranes (#50 & #54)
  - 6 yard-trucks replaced with zero-emission trucks (#49)
- More funds available in impacted communities to replace light-duty vehicles with newer, cleaner vehicles (12K per vehicle up from 9K) (#48)

# Propel needed research

Since WOCAP adoption the Air District has:

- Published a [Fugitive Dust White Paper](#) (WOCAP Further Study Measure FSM# 2)
- Started work on metal recycling and shredding operations white paper (#68)
- Developed a base case scenario of road dust emissions for all roadway segments in the Bay Area (#FSM 2)
- Reported to the Air District Board of Directors a report on [Caltrans' I-580 truck access study](#) including history of ban, air quality differences between I-580 & I-880, study components, and the Air District's role (#3)

# Enforcement Improvements

Since WOCAP adoption the Air District has:

- Committed to and completed more inspections in WOCAP area each year (WOCAP Enforcement Strategy #1)
- Developed outreach material on hazards of open burning (Enf Strategy #2)
- Annual report on enforcement to WOCAP CSC (Enf Strategy #3)
- Updated more community-friendly Complaint Policy (Enf Strategy #4)
- Made changes to more efficiently refer complaints outside of Air District jurisdiction to partner agencies, i.e. the City, Port, Caltrans (Enf Strategy#5)

# Advocate & support local government actions

**WOCAP Big Wins (Air District in partnership role) - Oakland City Council Passed a Resolution on September 26, 2023 to:**

- Adopt the new Environmental Justice Element (incorporates WOCAP strategies)
- Adopt truck-intensive business zoning rules requiring more stringent rules within 500 feet of residential & other health-protective industrial zoning updates (Strategy #5)
- Direct the City Administrator to develop an inter-agency working group, made up of people both within & outside the City of Oakland, including the Port of Oakland, to implement the air quality actions outlined in the Environmental Justice Element (related to Strategy #21)
- The Port of Oakland received a grant for \$42 million for the Green Micro-Grid Project & a grant for \$119 million for the terminal modernization and electrician project (Strategy #19)



# Advocate & support local government actions cont'd

## WOCAP Big Wins (Air District in partnership role)

City of Oakland actions:

- Dept. of Transportation installed posts to prevent trucks from parking inside center median of Frontage Road (WOCAP Strategy #40)
- Economic and Workforce Development Dept. collaborating on Green Business attraction plan (Strategy #81)
- Tree Services Division drafted Urban Forest Plan (Strategy #10)

Finally, Caltrans commissioned a study of the benefits of roadside vegetation as a method to reduce exposure to air pollution (Strategy #16)

# Statewide Regulations changes

Since adoption of the WOCAP, CARB has adopted these regulations designed to reduce mobile source emissions (**Air District in partnership role**):

- Advanced Clean Fleets (WOCAP #29)
- Advanced Clean Cars 2 (#34)
- Locomotive Regulation to reduce idling emissions at rail yards (#62)

CARB has started the rulemaking process for amendments to the Cargo Handling Equipment (CHE) rule (#32)

# Breakout Activity

- Get into breakout groups and go to your assigned slides and have your response sheet/ Jamboard ready
- Someone volunteer to be scribe and someone to report out at the end
- Read over your assigned slides in your handout/ online
- As a group, answer the following questions:
  - What is the air quality **concern**?
  - What do you think are the **consequences or impacts** of the concern on the community?
  - What is the **strategy or action** that addresses the concern?
  - Which **agencies or organizations** are responsible?
  - What questions do you have for that community steering committee?

# Report Out

- Share 1 thing that your group learned
- Co-Leads will collect your worksheets

# Next Steps...

- Address what we heard from CSC meeting #17
  - This includes:
    - Addressing your questions through a Google Doc accessible to all CSC members
    - Addressing more of your questions in the upcoming May meeting
    - Incorporating your feedback into future CSC meetings
    - Following up about ad-hoc meetings for those interested

# Strategy Development Break Out Sessions

Alesia Hsiao, BAAQMD

# Instructions for Strategy Development Break Out Sessions

- Open House Format with Breakout Sessions by Focus Area.
- In pairs or on your own, continue brainstorming and developing Focus Area and Strategy Statements.



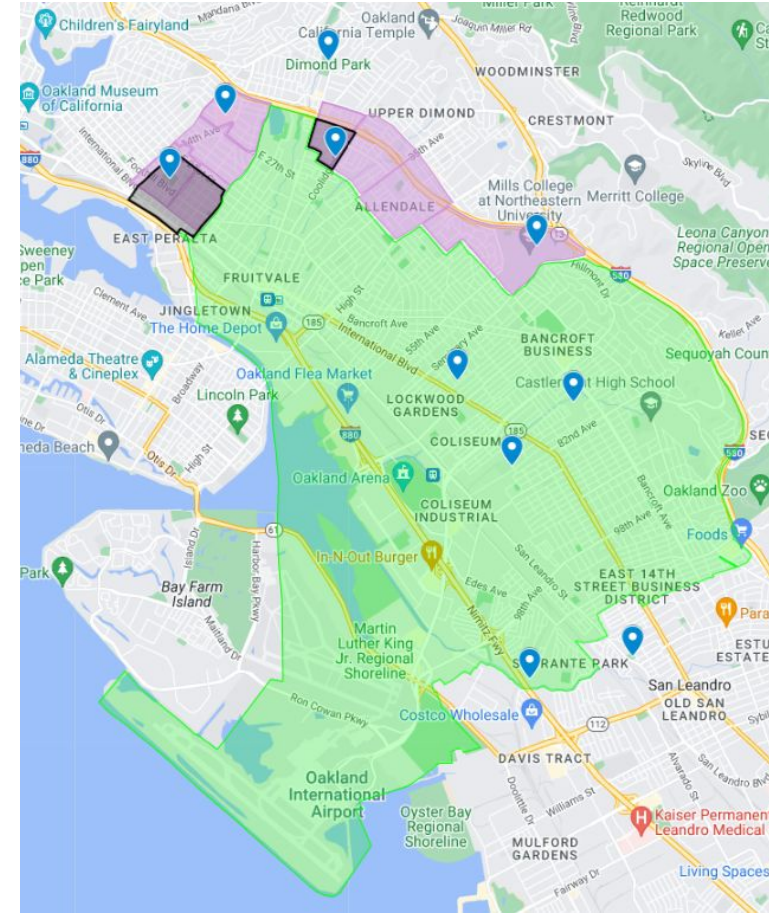
Source: ITU Pictures

# Breakout Sessions



# How can the CERP help East Oakland?

- ✓ Partnerships
- ✓ Funding
- ✓ Enforcement
- ✓ Rules & Regulations
- ✓ Research & Data
- ✓ Build alliances and connections
- ✓ Better coordination



# Next Steps

- CBE and Air District staff will synthesize Focus Area and Strategy Statements information and form Focus Area Statements.
- In a future CSC meeting, we will refine the Focus Area Statements and further develop strategies.



# Questions?

# Feedback on Meeting & Next Steps

Fill out the post-meeting survey:

- English: <https://forms.gle/B2SYLBNg6aUorF5u6>
- Spanish: <https://forms.gle/Du8m9thM85jyCy7p7>

The next CSC meeting will be held **Thursday, May 9th, 2024.**

**Thank You!**

See You Soon!