

East Oakland Community Emissions Reduction Plan
(CERP)

Community Steering Committee Meeting #28

April 10, 2025

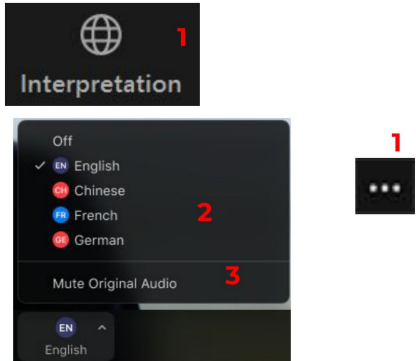


Bay Area Air District

COMMUNITIES
FOR A BETTER
ENVIRONMENT
established 1978

Interpretation Instructions

Windows | macOS



ZOOM - Select Language Channel

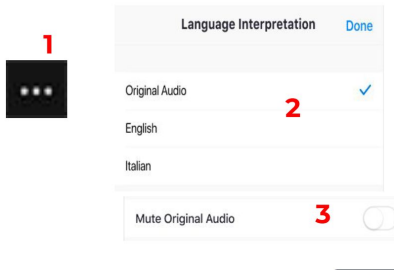
ENGLISH

1. In your meeting/webinar controls, click Interpretation.
2. Select the language that you would like to hear: English.
3. Closed caption: please turn on if you need it.

SPANISH

1. En los controles de la reunión o el seminario web, haga clic en Interpretación.
2. Haga clic en el idioma que desee escuchar: español (Spanish).
3. (Opcional) Para escuchar solo el idioma interpretado, haga clic en Silenciar audio original

Android | iOS





WELCOME TO THE CSC MEETING

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

Meeting Objectives

CSC members will:

- Share their thoughts on the CERP's Plan-level goals
- Hear background information on the Commercial and Industrial Focus Area and evaluate Part 2 of the Commercial and Industrial draft strategies and actions

Meeting Agenda

- **Welcome and Agenda** (8 mins, 6:00-6:08)
- **CSC #27 (March) Recap** (2 mins, 6:08-6:10)
- **Goals Presentation and Activity** (25 mins, 6:10-6:35)
- **Break** (7 mins, 6:35-6:42)
- **Commercial & Industrial Introduction and Activity** (63 mins, 6:42 to 7:45)
- **Outreach and Engagement Report Back: Environmental Justice Summit** (12 min, 7:45-7:57)
- **Next Steps and Close Out** (3 mins, 7:57-8:00)

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.
- To allow everyone to participate, please limit your comments to a speaking time of 2 minutes. We will actively give reminders and alerts.
- 'Popcorning' or passing the mic method will be used to encourage participation amongst quieter CSC members.
- **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:

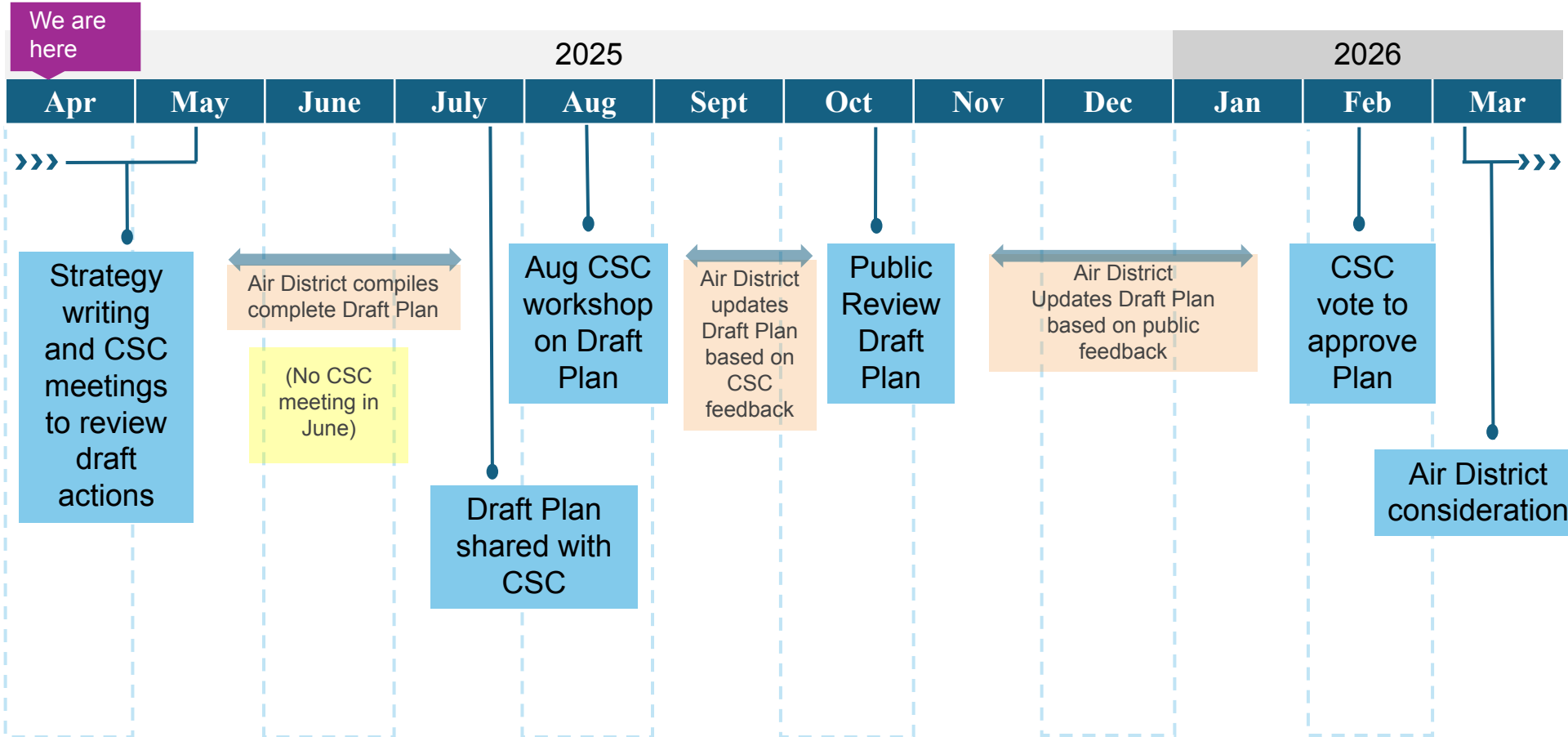
- Your Name
- Your Pronouns
- Any affiliated organizations

Community building on Zoom: Use Chat and the Reaction emojis to inspire and encourage one another.

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



Proposed Plan Timeline



CSC #27 (March Mtg) Recap

Carly Cabral, CBE

Recap of March CSC #27's OAK International Airport's Emissions Presentation & Activity

- CBE and the Air District gave a presentation on background and health impacts of the OAK International Airport's operations
- CBE and Air District staff led a breakout activity on OAK International Airport's Example actions discussing the following strategies:
 - Strategy 6. Emission Reductions at the Oakland Airport
 - Strategy 7. Port of Oakland (Port) Collaboration and Accountability to Community
 - Strategy 8. Technical Analysis and Monitoring of Airport Air Quality and Community Health Impacts

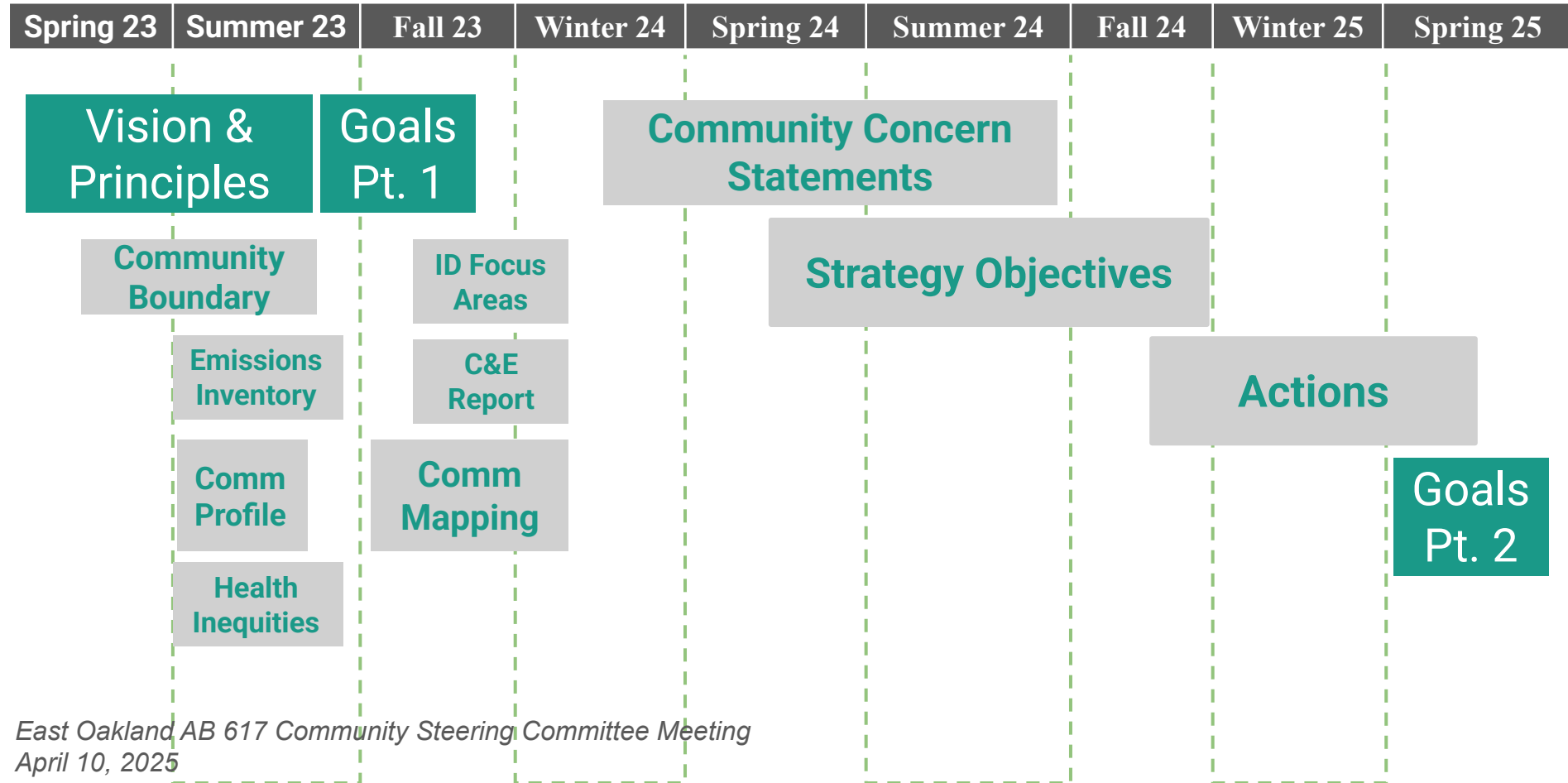
Recap of March CSC #27's Commercial & Industrial Draft Strategies & Actions Pt. I Presentation & Activity

- The Air District presented on Commercial & Industrial Sources, particularly focused on controlling fugitive dust and reducing reliance on backup generators (BUGs)
- The Air District led a breakout activity on fugitive dust & backup generators and discussed the following strategies:
 - Strategy 1. Reduce Exposure from Fugitive Dust, Material Handling and Construction Activities.
 - Strategy 2. Reduce Emissions from Backup Generators (BUGS)

East Oakland CERP Plan Goals

Alison Kirk, Air District

Select Timeline: Vision & Principles to Goals



Activity Instructions

We would like each CSC member to finish the following statements:

1. When I think about the future of East Oakland air quality I see...
2. I hope that the CERP can address this community concern first:

Community Concern Statements

Commercial & Industrial Sources

PM Exposure, Fugitive Dust, Material Handling, and Construction	Industrial and Manufacturing Facilities - Toxic Emissions and Hazardous Materials	Commercial and Smaller Industrial Facilities	Accountability of Polluting Industries and Businesses
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Built Environment & Land Use

Reducing Air Pollution at Home	Sensitive Receptors in Proximity to Pollution Sources and Incompatible Zoning	Trees and the Urban Forest	Vegetative Buffers and Barriers	Park and Green Space Access and Maintenance
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Transportation & Mobile Sources

Oakland International Airport	Trucks in the Community	I-580 Truck Ban	Freeway and High-Volume Roadway Traffic
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Public Health & Wellness

Cumulative Health Impacts of Outdoor Air Pollution	Protecting Sensitive Populations and Mitigating Pollution Impacts	Raising Awareness about Health Impacts of Air Pollution
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Illegal dumping, Trash and Odors

Illegal Dumping	Lack of Enforcement	Inequitable Access to Waste Disposal Services
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Next Steps

- Online document open for comments through Sunday, April 13
- Co-Leads and Co-Chairs organize CSC's responses and use these to create 3 to 5 Plan-level Goals
- Goals aim to be SMART (Specific, Measurable, Attainable, Realistic, and Time-bound)
- Goals integrated into draft CERP for CSC consideration



BREAK!

Commercial & Industrial Draft Strategies and Actions - Part 2

Ayah Hassan, Bay Area Air District

Air Permitting Presentation Overview



Air Permitting Overview

Air Permitting of New and Modified Sources
(Air District Rule 2-2)

Evaluating Toxic Air Contaminants from Existing
Facilities (Air District Rule 11-18)

Understanding Health
Risk Assessments

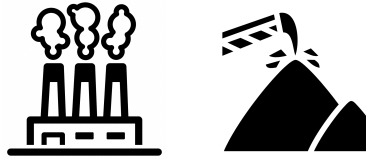
Public Participation in
Permitting

Connecting to Draft
Actions

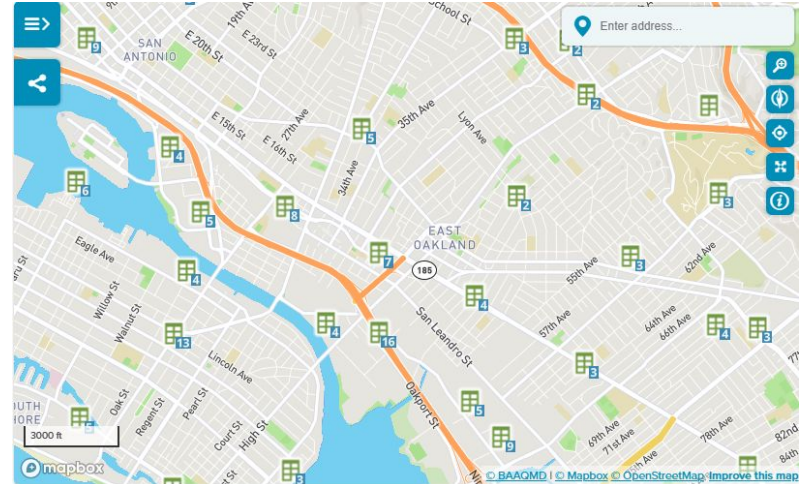
Air Permitting in East Oakland

- **Purpose:** Protect people and the environment from air pollution
- **Stationary Sources:** Emission sources that are fixed in place

- Generators
- Stack emissions
- Stockpiles



- **Facilities with stationary sources include:**
 - Material Handling Facilities
 - Cement Manufacturing Plants
 - Crematoria
 - Landfills
 - Coffee Roasting Facilities



Interactive Permitted Facilities Map on the Air District Website
Accessible at:
<https://www.baaqmd.gov/en/about-air-quality/interactive-data-maps>

Air Permitting - New Source Review (NSR)

- Applies to facilities that install **new equipment**, or make **changes** to existing equipment, that will increase their air pollution emissions.
- Requires a facility to demonstrate that they meet all federal, state and local requirements.
 - The requirements in overburdened communities are more stringent
- **Program is not static**
 - Constantly working to identify additional approaches/technology to reduce emissions.

Takeaway: Our New Source Review applies to new equipment or changes to existing equipment that increase emissions.

Public Engagement in Air Permitting Process

There are two avenues for public engagement:

1. Public Participation Period for all permit applications
2. Public Comment Period on all permit evaluations that are within 1000 ft of a K-12 school or that trigger a health risk assessment and are located in an overburdened community.

1.

Date	Application Number	Application Name	Facility	Status
3/4/2025	725045	Change of Conditions S-1 and S-2	Antioch Street LP c/o RMD Environmental Solutions (24156)	Evaluating Permit Application Completeness
2/28/2025	724878	Three Emergency Standby Diesel Engines	East Bay Regional Park District (201419)	Evaluating Permit Application Completeness
2/27/2025	724506	Standby Generator for Life Station	Port of Oakland (MCTHE)	Incomplete for Initial Eval

Accessible at:
<https://www.baaqmd.gov/en/permits/public-notice/permit-applications-received>

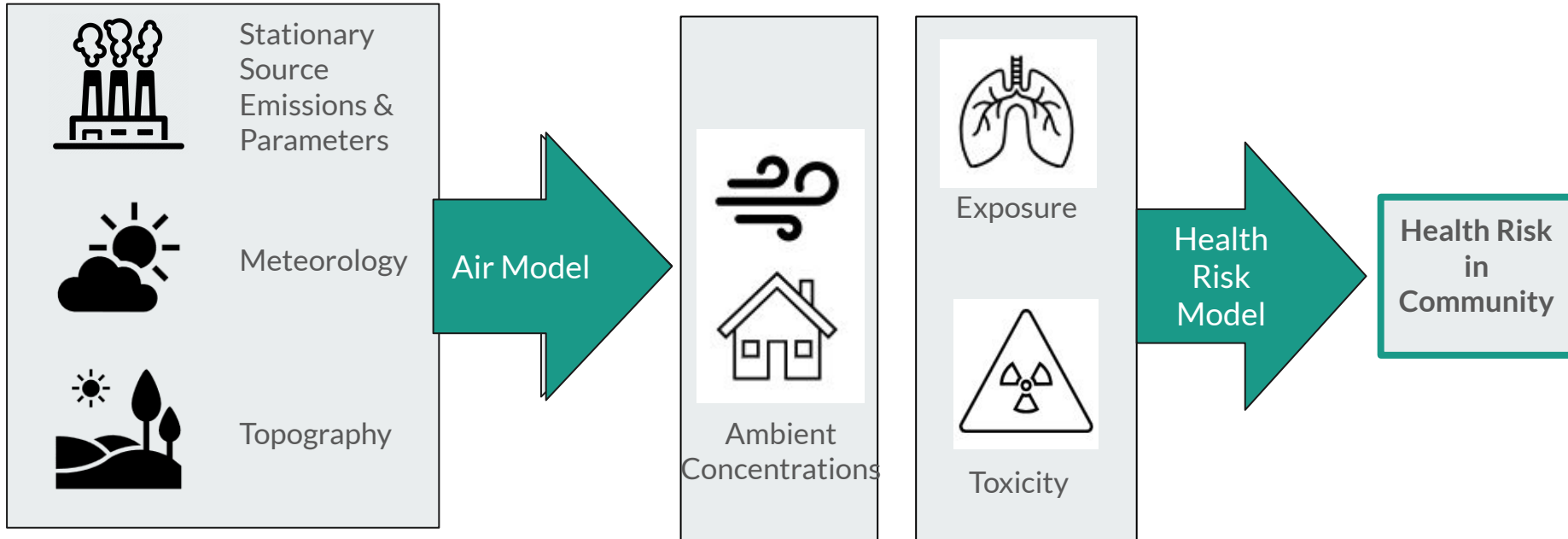
2.

Public Notices - Permit Applications - 2025

Date	Plant Number	Application Number	Documents
3/10/2025	FID20829	712408	Ensign Sonoma Healthcare Center
3/7/2025	FID1271	31560	West County Wastewater District
3/7/2025	FID22935	719296	San Mateo Union High School District SMHS
3/4/2025	FID202811	712852	Beck Campus
2/28/2025	FID203574	707167	Chrysler Storm Water Pump Station
2/28/2025	FID203806	719467	26229 Eden Landing Road
2/28/2025	FID202362	712469	CCSF MUB Multi Use Building

Accessible at: <https://www.baaqmd.gov/en/permits/public-notice>

What is a Health Risk Assessment?



Air District Regulation 11, Rule 18 (11-18)

Existing Facilities

- Regulation 11, Rule 18 (11-18) is one of the many rules and strategies that the Air District is using to reduce Toxic Air Contaminant (TAC) emissions from stationary sources.
- **Purpose:** Focus on **existing** facilities causing the highest health impacts across the Bay Area and require these facilities to **reduce that health risk** below Risk Action Levels
- **If Risk Action Levels are exceeded, the facility must submit a Risk Reduction Plan showing it will:**
 - Reduce risk below Action Levels through operational changes, OR
 - Install best available controls to reduce emissions

Health Risk Category	Risk Action Levels
Cancer Risk	10 per million
Chronic Non-Cancer Hazard Index	1.0
Acute Non-Cancer Hazard Index	1.0

Key Steps to Implement Rule 11-18

Prioritization Score

- Rank facilities by prioritization score

Emissions Inventory

- Update and approve toxic emissions inventory for a given facility

Health Risk Assessment

- Finalize modeling protocol for health risk model
- Run model and obtain health risk values
- ★ • Public review and comment ★
- Finalize and compare risk results to rule thresholds
- Determine if a Risk Reduction Plan (RRP) is required

Risk Reduction Plan

- If required, facility prepares Risk Reduction Plan (RRP)
- Air District review
- ★ • Public review and comment ★
- Facility implements controls from Risk Reduction Plan (RRP) to reduce risk

★ Indicates opportunity for public comment

11-18 Prioritization Scores in East Oakland

Air District calculates prioritization score based on:

1. Annual Toxic Emissions
2. Health Effect Values of the Toxic Compounds
3. Proximity to People

Phase	Facility
II	Evergreen Cemetery
II	S E Combined Services of California (also known as East Bay Crematory)
II	EBMUD Upper San Leandro WTP

11-18 facilities within the East Oakland community boundary

Challenges & Potential Amendments

The implementation for 11-18 has been slow, but the Air District is working on:



- 1) Implementation Procedure Improvements
- 2) Improved Transparency on Implementation Progress
- 3) Rule Amendments to Rule 11-18



We look forward to reviewing your comments on the draft actions!

Additional Ways to Get Involved in 11-18 Rule Amendment

- **Q2 2025 (April – June) :**
 - Air District will publish Draft Rule Language, Preliminary Staff Report, and revised Implementation Procedures
 - Public workshop, Comment period and public engagement



- **Option to subscribe for updates at:**

www.baaqmd.gov/community-health/facility-risk-reduction-program

Signup for Information about the Air District Facility Risk Reduction Program.

SUBSCRIBE

Measuring Emissions and Air Quality

Dan Alrick, Air District

Measuring Emissions and Air Quality

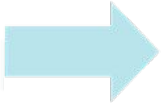
Topics:

- What emissions and air monitoring data tell us
- How we measure air quality
- Proposed actions related to measuring emissions and air quality

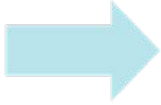
Tracing the Path from Emissions to Health Effects



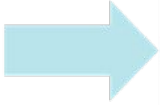
Emissions



Ambient Concentrations



Exposure



Health Effects

Emissions Measurements
Emissions Inventory

Air Monitoring
Air Modeling



Measuring Emissions and Air Quality

- **Emissions measurements:**
 - Measuring what is being emitted by facilities/sources
 - Includes testing and monitoring
- **Air monitoring:**
 - Measuring levels of different pollutants in the air
 - Different approaches provide information for different questions



What do emissions and air monitoring data tell us?

Emissions measurements

Data reflect:

- Amounts of certain pollutants being emitted
- Related parameters (such as temperature, pressure) that correspond to emissions

Can help us understand:

- How much pollution is a certain facility or source emitting?
- Are pollution control measures working properly?
- Are a facility's emissions in compliance with regulations or permits?

What do emissions and air monitoring data tell us?

Emissions measurements

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Can help us understand:

- How much pollution is a certain facility or source emitting?
- Are pollution control measures working properly?
- Are a facility's emissions in compliance with regulations or permits?

Air monitoring

Data reflect:

- Total concentration of a pollutant(s) from all sources including local, regional, or out-of-area sources
- Actual conditions in the community, including intermittent or short-term air quality issues

Can help us understand:

- Am I breathing poor air quality right now?
- What may be causing air quality issues in my community?
- Is air quality getting better or worse over time?

Air Monitoring Approaches

- Regulatory air monitoring by air agencies
- Source-oriented long-term air monitoring
- Shorter-term studies using stationary or mobile monitors
- Networks of sensors

Considerations:

- Important to match questions with appropriate monitoring approach
- No single air monitoring approach or project can answer every question about an issue
- Not feasible to measure all types of air pollution everywhere at all times



Proposed Actions on Emissions Measurements and Air Monitoring

- Two actions related to emissions measurements under Commercial and Industrial (C&I)
- Three actions related to air monitoring under Public Health & Wellness (PH&W)

Proposed Actions on Emissions Measurements in C&I (1 of 2)

Update facility prioritization list and plan for improved emissions characterization

- Incorporate feedback from the CSC to update prioritization list
- Reduce uncertainties in emissions estimates
- Inform revisions to future emissions inventories and modeling, new or revised rules, or new or modified permits

Proposed Actions on Emissions Measurements in C&I (2 of 2)

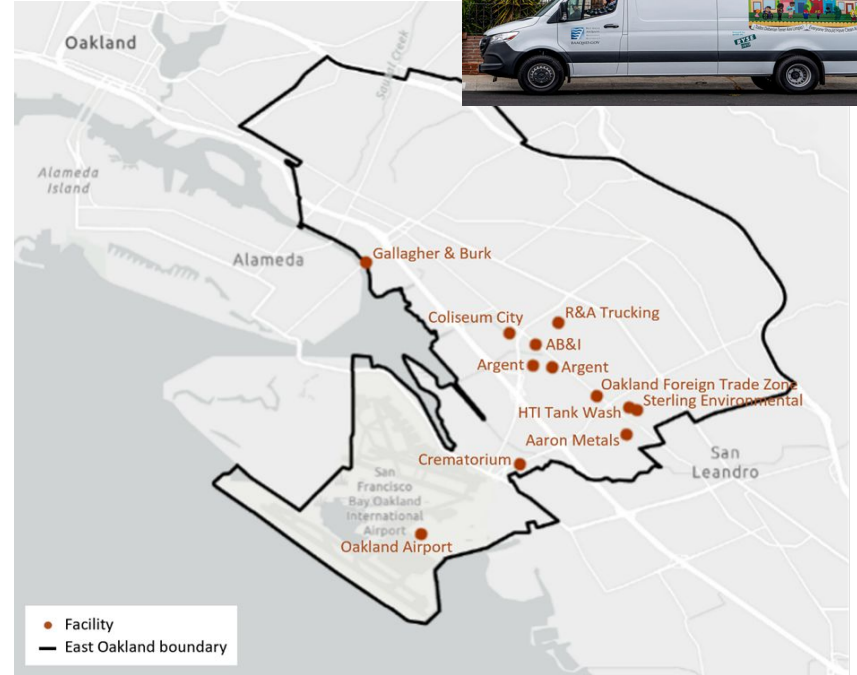
Improve facility emissions monitoring, recordkeeping, and reporting

- Using improved emissions estimates, the Air District will consider strengthening requirements in regulations for facilities to measure emissions or related parameters
- These requirements could include various types of emissions or emissions-related monitoring, standardized data reporting, quality management systems, or periodic evaluation studies

Proposed Actions on Air Monitoring in PH&W (1 of 3)

East Oakland Air Monitoring Project

- The Air District and CBE are conducting a source-oriented air monitoring project in East Oakland to assess impacts from sources and concerns that the CSC identified
- Ongoing collaboration with CSC throughout project



Proposed Actions on Air Monitoring in PH&W (2 of 3)

Make air and emissions monitoring data more accessible

Coordinate with the CSC and interested local partners to:

- Build descriptions of existing air and emissions monitoring data
- Enable data downloads where possible
- Provide resources or tools to better communicate insights

Proposed Actions on Air Monitoring in PH&W (3 of 3)

Support local air monitoring or air quality data projects

The Air District and the Bay Air Center (an Air District-sponsored community resource) will work with the CSC to:



- Provide technical support of community-conducted air monitoring projects in East Oakland
- Hold informational sessions for the CSC and community on using and interpreting air monitoring data
- Convene meetings to bring together community air monitoring project teams to facilitate collaboration

We want to hear from you! Activity Overview

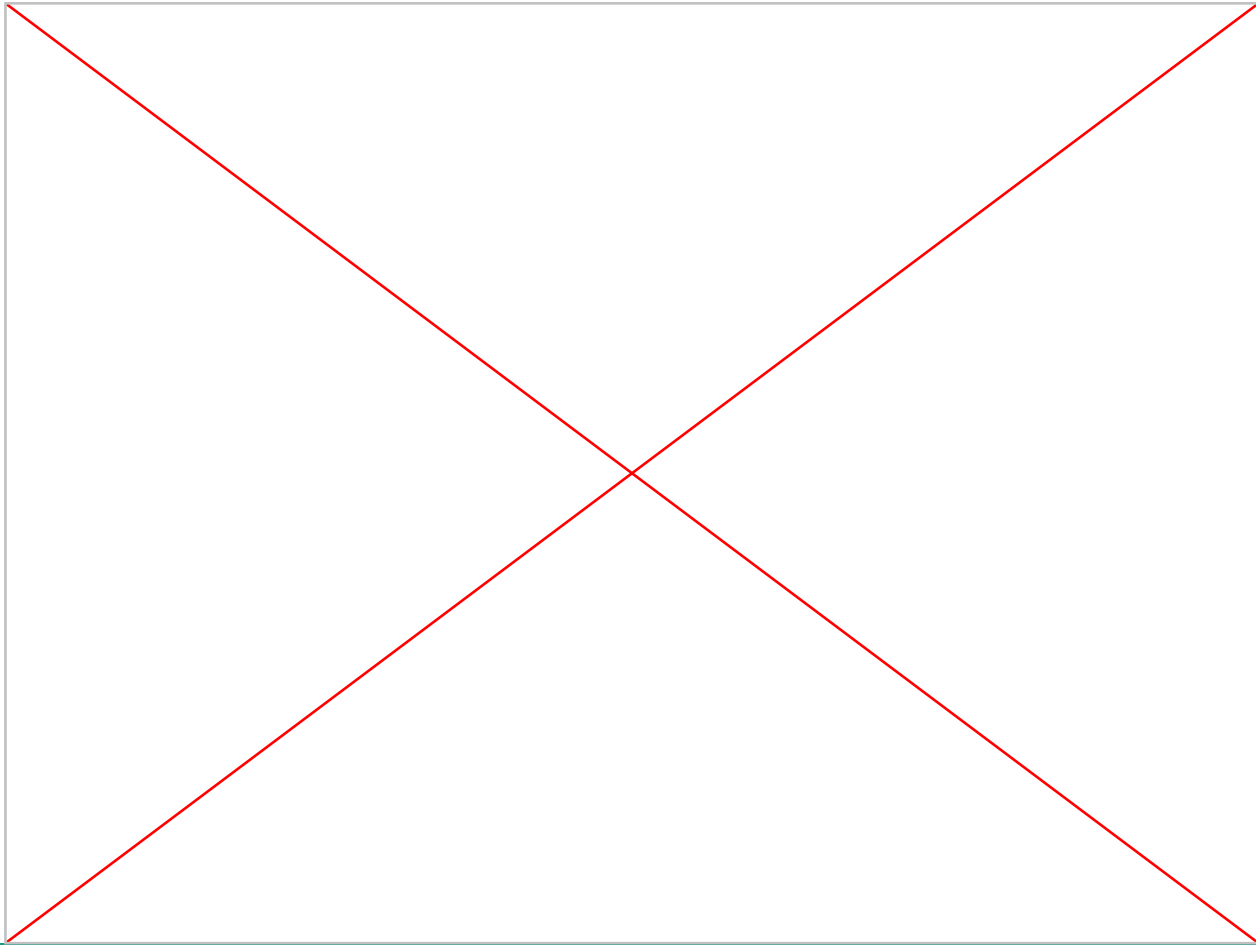
- We will have 3 breakout rooms (2 online and 1 in-person), focused on draft **Commercial and Industrial Actions**. Each group will focus on a collection of strategies and actions in the following subsets:
 - **Subset 1:** Air District permitting; health risk assessments; and updating the facility prioritization list and improving facility monitoring
 - **Subset 2:** Small commercial sources (restaurants, auto body shops) and empowering community members
 - **Subset 3:** Enforcement; the East Oakland monitoring project; and making data more accessible
- CSC members will join a group discussion led by a facilitator. Each breakout room will also have a notetaker and support staff.
- CSC members can share your feedback through group discussion, Zoom chat, or using Google Docs.

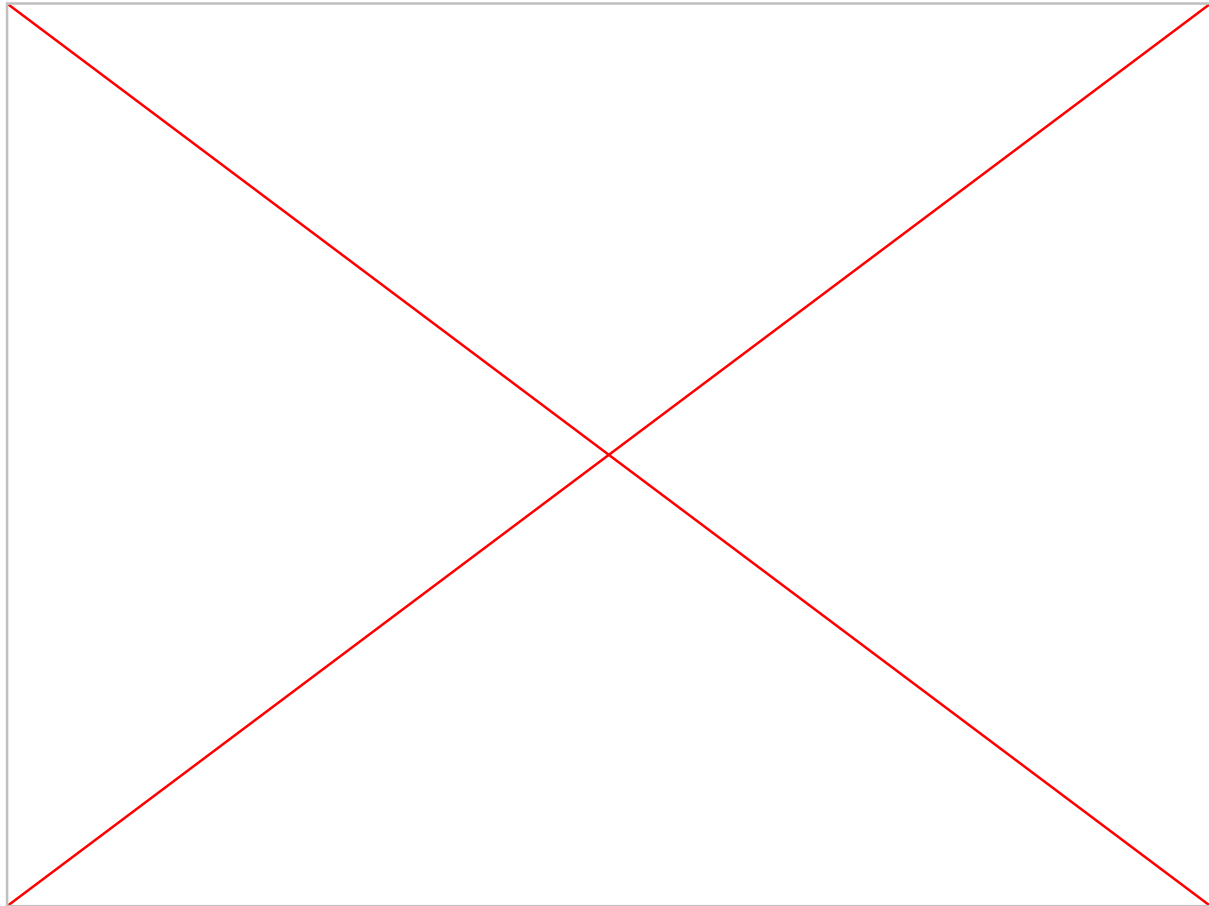
Next Steps

- The draft Commercial & Industrial actions Google documents will remain open for CSC members to add their comments until Thursday, April 17
- Air District staff and Co-leads will review comments and integrate into draft CERP for CSC consideration

Outreach and Engagement Report Back: Environmental Justice Summit

Mr. Charles Reed, Lifers Leaving a Legacy





MR. CHARLES
FOUNDING DIRECTOR:
LIFERS LEAVING A LEGACY

PRESENTS
ENVIRONMENTAL + SOCIAL JUSTICE SUMMIT
BUILDING COMMUNITY

Event Highlights:

- Breakdown Project 2025 Impact
- Intersectionality: Environmental Justice (EJ) + Social Justice (SJ)
- Breakout Sessions with Subject Matter Experts

DR. ROBERT BULLARD
FATHER OF ENVIRONMENTALISM
KEYNOTE SPEAKER

MS. MARGARET GORDON
RES. FOUNDER & CO-DIR.
WOEIP

RANDOLPH BELLE
HOST

DATE: Saturday, February 22, 2025
TIME: 10:00 am - 4:00 pm
LOCATION: Tassafaronga Recreation Center
ADDRESS: 975 85th Avenue | Oakland, CA 94621

SUPPORTERS
RESILIENT MATERIALS

PARTNERS
PORT OF OAKLAND **THIRD ACT**

LIFERLEGACY.ORG/SUMMIT



THANK YOU



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 8, 2025.



Activity Instructions Subset 1

CSC members will review the **Commercial & Industrial** Draft Actions and discuss questions related to each subset

Subset 1: Air District permitting; health risk assessments; and updating the facility prioritization list and improving facility monitoring

- What does accessible permitting information look like to you?
- Does Strategy 4 (enhanced permitting) address improving regulatory oversight and accessibility?
- Do you have any thoughts or questions on Strategy 9 (monitoring)?

Activity Instructions Subset 2

CSC members will review the **Commercial & Industrial** Draft Actions and discuss questions related to each topic subset.

Subset 2: Small commercial sources (restaurants, auto body shops) and empowering community members

- How might the CSC support small local businesses identified for technology upgrades to address smoke created from grilling food (Strategy 5)?
- How does the CSC want to contribute to the development of a list of unlicensed auto body shops (Strategy 6)?
- How might we empower the CSC to support East Oaklander's better understanding of air quality issues?

Activity Instructions Subset 3

CSC members will review the **Commercial & Industrial** Draft Actions and discuss questions related to each topic subset.

Subset 3: Small commercial sources (restaurants, auto body shops) and empowering community members

- Do you have any questions about the Air District's Targeted Inspection Program (Action 7.1)?
- How can the CSC support your neighbor's awareness of the Air District's complaint program (Strategy 8)?
- What does data and information accessibility mean to you? (PH&W Action 3.2)
- What would you be interested in hearing about or seeing in workshops, trainings or other materials about air monitoring data? (PH&W Action 3.3)

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Report Back: Key Takeaways

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