

East Oakland Community Emission Reduction Plan (CERP)

Community Steering Committee Meeting #12

September 14, 2023

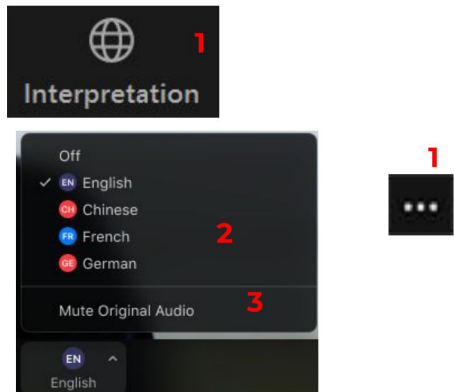


**BAY AREA AIR QUALITY
MANAGEMENT DISTRICT**

**COMMUNITIES
FOR A BETTER
ENVIRONMENT**
established 1978

Interpretation Instructions

Windows | macOS



ZOOM - Select Language Channel

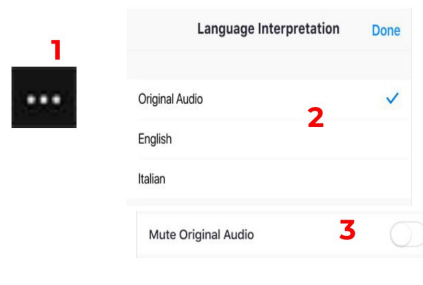
ENGLISH

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

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

Agenda

- **Welcome, Interpretation, Agenda** (10 mins; 6:00-6:10 PM)
- **Goals Overview** (20 mins; 6:10-6:30 PM)
- **Rotation 1:** Small Group Breakout Rooms with three BAAQMD departments: Rule Development Office, Compliance and Enforcement Division, Meteorology and Measurement Division (20 mins; 6:30–6:50 PM)
- **Break** (5 mins; 6:50-6:55 PM)
- **Rotations 2 and 3:** Small Group Breakout Rooms with three BAAQMD departments: Rule Development Office, Compliance and Enforcement Division, Meteorology and Measurement Division (20 mins; 6:55–7:35 PM)
- **Community Mapping Project Reminder/Update** on Community-Based Organization (CBO) Partners (15 mins; 7:35-7:49 PM)
- **East Oakland Environmental Justice (EJ) Announcements** and Updates (10 mins; 7:49-7:59 PM)
- **Next Steps and Close Out** (8 PM)

Initial Meeting Agreements or Notes for Participation

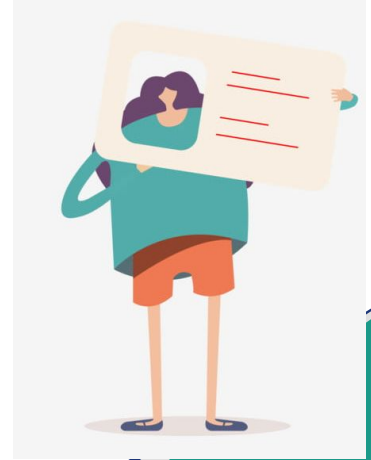
- One mic, one voice: use Raised Hand function under Reactions at the bottom of your screen
- Grace for ourselves and one another.
- Take care of yourself (Stretch, drink water and breathe)
- Community building on Zoom: use Chat and the Reaction emojis to inspire and encourage one another
- For any questions throughout the meeting: please use the Zoom Chat. CBE and BAAQMD staff will be responding to your questions.

COMMUNITY BUILDING

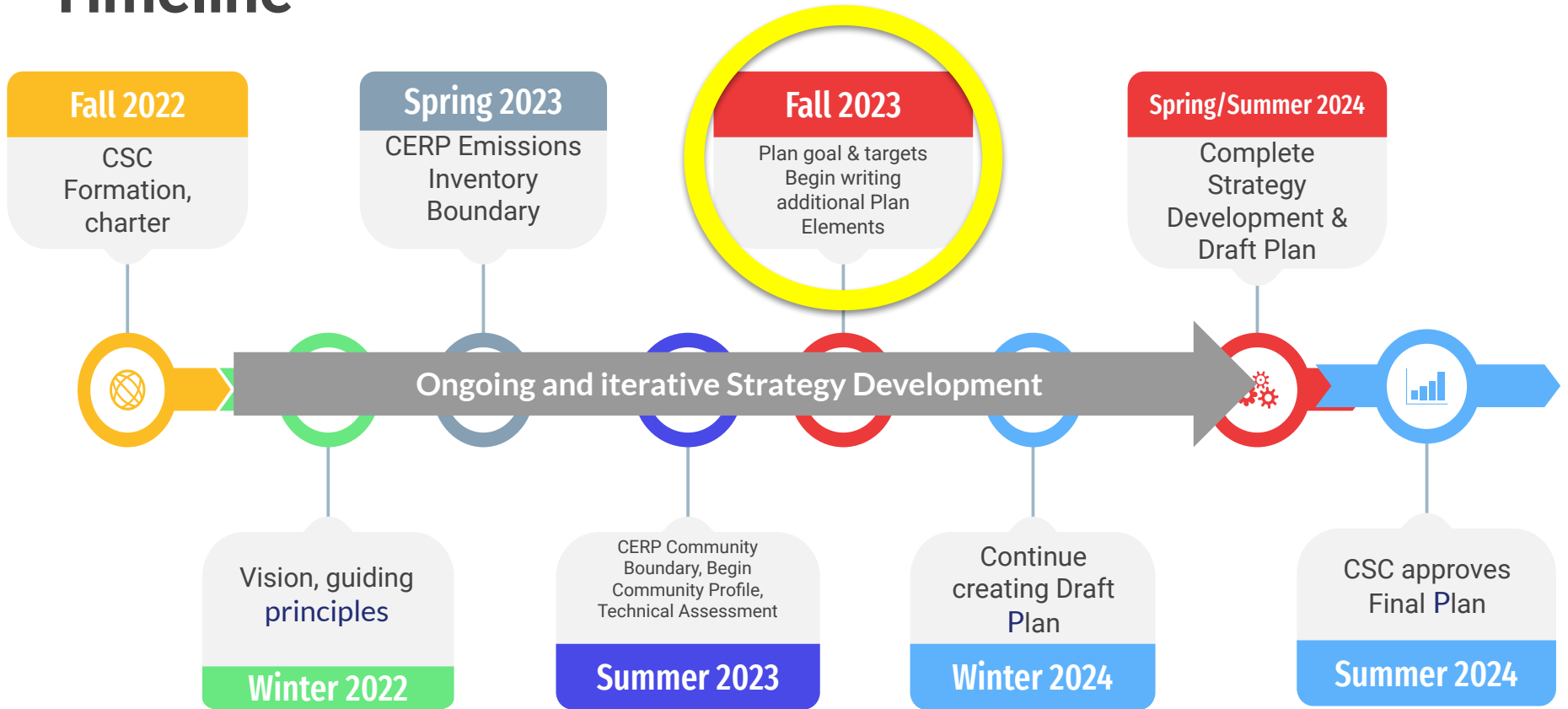
Type into Chat:

- Name
- Pronouns
- Affiliated organizations

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



Timeline



Goals Overview

Alison Kirk, BAAQMD and Esther Goolsby, CBE

What is a Goal?

A goal is an outcome or end result we want to achieve



Role of Goals in CERP

Vision & Principles

Vision - Blue sky thinking

Principles - Core values that guide how to achieve the vision

Plan-Level Goal #1

Plan-Level Goal #2

Goal - End result we want

Strategy 1-a

Strategy 1-b

Strategy 2-a

Strategy 2-b

Strategies are actions that help us achieve our goals.

Example Goals

"By 2031 increase tree canopy in the Portside Community to 35%."

<https://www.sdapcd.org/content/dam/sdapcd/documents/capp/cerp/Portside-Environmental-Justice-CERP-July-2021.pdf> (p. 139)

"The goal of the Plan is to protect and improve community health by eliminating disparities in exposure to local air pollution."

[West Oakland Community Action Plan](#) p. 4-1

Recommendations



- Define terms used
- SMART Framework
- Build on work we have already completed
- Draft 3-5 Goals
- Revisit Goals again after drafting Strategies to refine and align Goals

SMART Framework

"By 2031 increase tree canopy in the Portside Community to 35%."

<https://www.sdapcd.org/content/dam/sdapcd/documents/capp/cerp/Portside-Environmental-Justice-CERP-July-2021.pdf> (p. 139)

S - Specific - 'increase tree canopy'

M - Measurable 'to 35%'

A - Actionable - plant trees

R - Realistic - implied

T - Time Bound - by 2031

What is not here?

Why - See Vision

How - See Strategies

Who - See Strategies

Build on work already completed: Vision & Principles

Vision & Principles Jamboard themes:

- Accountability
- Better future
- Community
- Equity
- Environmental Justice
- Flexibility
- Health
- Transparency
- Solution-oriented

For more info on V&P, see
[May CSC Presentations](#)
[June CSC Presentations](#)

Build on work already completed: Draft Emissions Inventory (EI)

- The Draft EI is an estimate of the amount of air pollution in a geographic area during a specific period of time
- East Oakland Draft EI includes 400 permitted sources (most common: auto body, gas stations, backup diesel generators)
- Draft EI estimates that in East Oakland, 87% of NO_x emissions from mobile sources and 75% of PM_{2.5} from stationary sources
- See [August Presentation](#) slide 8

Build on work already completed: Health Inequities in East Oakland

- East Oakland has worse health outcomes compared to the rest of Oakland and Alameda County, including higher mortality rates of cancer, heart disease and stroke
- Census tracts in East Oakland have high rates of poverty, asthma emergency department & hospitalizations,
- Though there has been a decrease in African Americans since 2000, many census tracts in the East Oakland boundary are still about 30% African American; Latinos make up about 53% in many East Oakland tracts.
- See [August Presentation](#) slide 26

Co-chairs & Co-leads Goal Development Recommendations

- Define terms, such as “environmental justice” in goal statements
- Aim for 3 to 5 goals
- Use the SMART Goal Framework:
 - Specific, Measurable, Achievable, Realistic, and Time-Bound
- Draft goals now - revisit after Strategy Development to true-up if needed

Discussion Questions

1. What information do we have now that can help us draft CERP Goals?
2. What have you learned from your own experience setting goals?
3. What do you think is important when setting the CERP goals?
4. CSC Members - Are you interested in volunteering to work on drafting goals this fall? (If yes, please include your name!)

You can add your answers to the Goals [Jamboard](#), the chat, or share with the group by raising your hand.

Next Steps

- Looking for 2-3 volunteers to meet to draft Goals
- Co-Chairs, Co-Leads and CSC volunteers to synthesize CSC ideas into draft Goal Statements for CSC review
- CSC to revisit draft goals in a future CSC meeting to finalize (time estimate - Spring 2024)

Small Group Breakout Rooms with BAAQMD Departments

Rules and Strategic Policy Division,
Compliance and Enforcement Division, and
Meteorology and Measurement Division

Introduction to Air District Rule Development

Rules and Strategic Policy Division

Poornima Dixit, Senior Air Quality Engineer

pdixit@baaqmd.gov

Presentation Outline

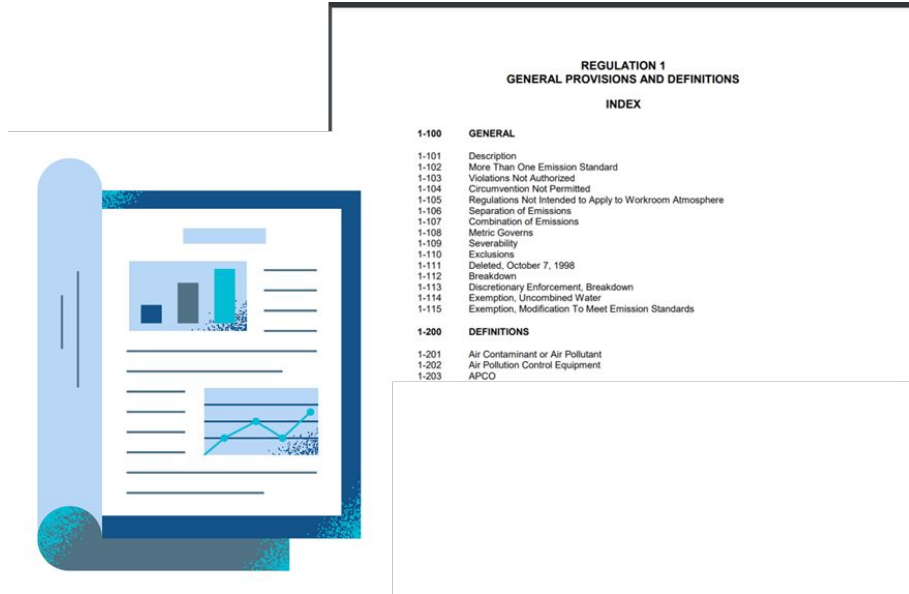
- Purpose of the Rules and Strategic Policy Division
- What is an air quality regulation?
- Overview of rule development process

What is the Purpose of the Rules and Strategic Policy Division?

- One of many divisions within the Air District
- We propose new and amended regulations and bring them before the Air District Board of Directors for adoption
- Once adopted, new/amended regulations are passed along to other divisions within the Air District to be implemented and enforced (e.g., permit and inspections programs)

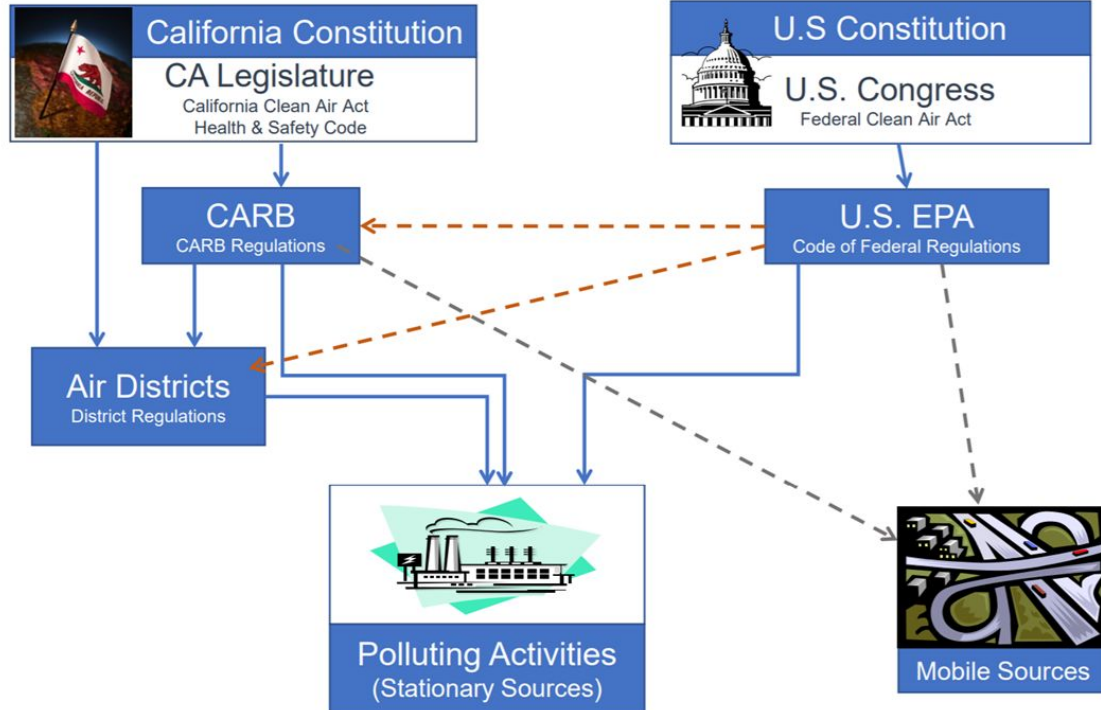
What are Air Quality Regulations?

Requirements that limit air emissions from stationary and mobile sources



Who Writes Air Quality Regulations?

Governing authorities:



When are Rules Created or Amended?

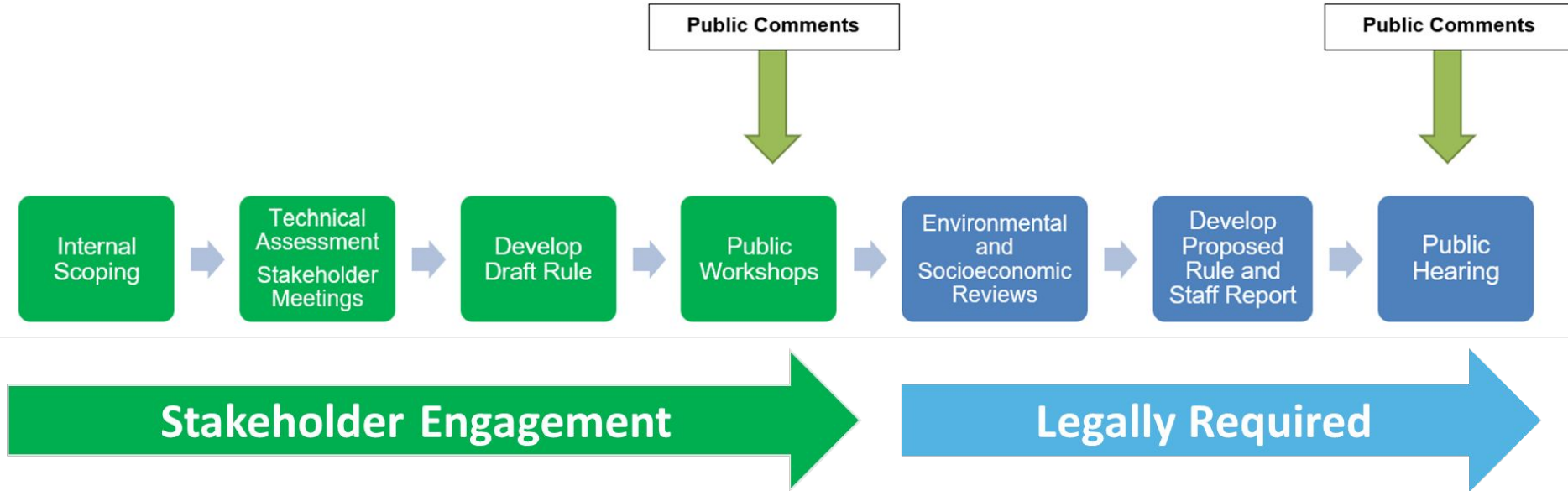
Historically

- Clean Air Plans
- Statutory mandates
- Identified Issues (Metal Rules and Odors Issues)

Newer Statutory Mandates and Strengthened Community Partnerships

- AB 617 Expedited BARCT Schedule
- Community Emissions Reduction Plans (e.g., WOCAP)
- Community Knowledge and Concerns (e.g., Permit Reform)

Overview of Rule Development Process



Where Can I Find the Air District's Rules?

www.baaqmd.gov/rules-and-compliance/current-rules

+	Rule #	Rule Name	Adopted	Amended
-	Regulation 1	General Provisions & Definitions	9/4/1979	5/4/2011
Rule Status Adopted				
Rule Language General Provisions and Definitions (76 Kb PDF, 12 pgs, revised 4/24/2018)				
Contact Compliance & Enforcement General Compliance Information 415.749.4795 compliance@baaqmd.gov				
Description The provisions and definitions in this Regulation are applicable to all District Regulations and are in addition to the provisions and definitions in individual Rules and Regulations. Regulation 1 includes sections on exclusions, breakdown procedures, definition of terms, registration, right of access, sampling facilities, record maintenance, and many other provisions.				
+	Regulation 1, Rule 2	Notice to Comply	2/3/1999	N/A
+	Regulation 2	Permits Adopted	N/A	N/A
+	Regulation 2, Rule 1	General Requirements	12/31/1979	12/5/2017
+	Regulation 2, Rule 2	New Source Review	7/16/1991	12/5/2017
+	Regulation 2, Rule 3	Power Plants	N/A	N/A
+	Regulation 2, Rule 4	Emissions Banking	3/6/1984	12/6/2017
+	Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants	6/14/2005	12/6/2016

www.Baaqmd.gov/ruledev

+ sign up for email notices

OR EMAIL US at

ruledevelopment@baaqmd.gov

Subscribe to the Rules and Regulations Email List

Sign up to receive updates on the latest Rules and Regulations activities.

Please refer to the Air District's [privacy policy](#) if you have questions about how we use the information you submit.

Email

SUBMIT

Current Rule Development Priorities

- Rule 8-8: Refinery Wastewater (AB 617 BARCT Schedule)
- Rule 8-18: Refinery Heavy Liquid Leaks (AB 617 BARCT Schedule)
- Rule 11-18: Reduction or Risk from Air Toxics Emissions at Existing Facilities
- Rules 6-1 and 6-6: Fugitive Dust*
- Rule 6-4: Metal Recycling and Shredding Operations*

*West Oakland Community Action Plan measure



Questions?

Overview of Compliance and Enforcement Division

Almira Van, Compliance and Enforcement Operations

C&E Goals and Objectives

- Ensure compliance with applicable air quality regulations
 - Air District, State and Federal regulations
 - Air District permit requirements
- Inspect and verify compliance for ~24,000 sources across the Bay Area with a focus on Title V major facilities
- Investigate complaints and address community air quality concerns to help reduce emissions at the local level

Core Programs



Compliance
Verification
Inspections

Audits and
Investigations

Air Quality
Complaints

Incident
Response

Enforcement

Compliance
Assistance

Compliance Verification Inspections

- Review site/facility operations for compliance
 - Look for signs for emissions/odors
 - Investigate process upsets/ equipment malfunctions
 - Review records
- Investigate Reportable Compliance Activities (RCAs), flaring events, and Title V deviations
- Identify source specific issues/concerns
- Document violations
- Verify corrective actions



Audits and Investigations

- Comprehensive field investigations and audits
- Review of plant operations, sources, and abatement and monitoring equipment
 - e.g., Continuous Emissions Monitoring System
 - Extensive data review and analysis
- Coordinate with technical staff from other divisions to address emissions and compliance concerns
- Participate in Hearing Board activities
- Coordinate with other local regulatory authorities to target non-compliance



Air Quality Complaints

- Air quality complaints may be reported online at www.baaqmd.gov/complaints or by phone at 1-800-334-6367 (1-800-334-ODOR)
 - Complaints may be reported 24/7, including weekends & holidays
 - Complaints may be filed anonymously or with complainant contact information
- Inspectors investigate, trace and identify the source(s) of concern and conduct inspection(s) at the alleged site/facility
- Document compliance concerns and violations
- Coordinate with other regulatory agencies when applicable

Types of Air Quality Complaints:

- Odors
- Dust
- Smoke
- Asbestos
- Gasoline Stations
- Woodsmoke

Report an Air Pollution Complaint

Air District / Online Services / Air Pollution Complaints

The Air District responds to and investigates all air pollution complaints. Resolving air quality problems is one of the Air District's highest priorities.

Air quality complaints may be reported online or by phone. The Air District will keep the complainant's personal information confidential, such as name, address, and telephone number, to the fullest extent permitted by law. Members of the public may also choose to report complaints anonymously.

When reporting an air quality complaint, provide as much information as possible. Providing detailed descriptions of the complaint can better help the Air District inspector locate the source of emissions and identify compliance concerns or violations of air quality regulations.

Report an air quality complaint online or call our 24-hour toll-free complaint line.

<p>General Air Pollution Complaints</p> <p>1-800-334-ODOR (1-800-334-6367)</p>  <p>Report a complaint about odors, smoke, dust, or other air pollutants from refineries, gas stations, asbestos, idling trucks, locomotives and buses, open burning, and other commercial, manufacturing, and industrial facilities and operations.</p> <p>REPORT A COMPLAINT →</p>	<p>Wood Smoke Complaints</p> <p>1-877-4NO-BURN (1-877-466-2876)</p>  <p>Report a complaint about smoke from indoor wood-burning devices such as fireplaces and wood stoves. Wood burning is prohibited when a Spare the Air alert is in effect, year-round. Learn more at www.sparetheair.org.</p> <p>REPORT A COMPLAINT →</p>	<p>Smoking Vehicles Complaints</p> <p>1-800-EXHAUST (1-800-394-2878)</p>  <p>Report a complaint about excessive exhaust from cars, trucks or buses. For more information about programs for which your smoking vehicle might qualify, please visit the Vehicle Buy Back Program.</p> <p>REPORT A COMPLAINT →</p>
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Incident Response


- Inspectors and Supervisors maintain a stand-by rotation to respond to major incidents
- Respond to air quality complaints and document community impacts
- Provide resources and support other local agencies
- Conduct a thorough investigation following the incident
- Take enforcement action, when applicable



Enforcement Actions

- Document Violations
 - Notice of Violation (NOV)
 - Operations/Excess Emissions
 - Administrative/Recordkeeping
 - Public Nuisance
 - Notice to Comply (NTC)

- Work with Legal staff on enforcement cases and compliance strategies
 - Abatement Order
 - Variances / Hearing Board



BAY AREA AIR QUALITY MANAGEMENT DISTRICT
 375 Beale Street, Suite 600, San Francisco, CA 94105
 (415) 749-5000

NOTICE OF VIOLATION No. **A** [redacted]

ISSUED TO: [redacted] P G N# [redacted]

ADDRESS: [redacted]

CITY: [redacted] STATE: [redacted] ZIP: [redacted]

PHONE: ([redacted]) [redacted]

N# Mailing Address on F61

OCCURRENCE

NAME: [redacted]

ADDRESS: [redacted] Same As Above

CITY: [redacted] ZIP: [redacted]

SOURCE: S# [redacted] NAME: [redacted]

EMISSION PT. P# [redacted] NAME: [redacted]

DATE: [redacted] TIME: [redacted] HRS [redacted]

<input type="checkbox"/> REG 2 RULE 1 SEC 301 No Authority to Construct	<input type="checkbox"/> REG 2 RULE 1 SEC 302 No Permit to Operate
<input type="checkbox"/> REG 1 SEC 301 H & S CODE - 41700 Public Nuisance	<input type="checkbox"/> REG 2 RULE SEC 307 Failure to Meet Permit Condition
<input type="checkbox"/> REG 5 SEC 301 Prohibited Open Burning	<input type="checkbox"/> REG 6 RULE 1 SEC 301 Excessive Visible Emissions

REG [redacted] RULE [redacted] SECTION [redacted] CODE [redacted]

REG [redacted] RULE [redacted] SECTION [redacted] CODE [redacted]

Details: [redacted]

RECIPIENT NAME: [redacted]

TITLE: [redacted]

SIGNING THIS NOTICE IS NOT AN ADMISSION OF GUILT X _____

→ WITHIN 10 DAYS, RETURN A COPY OF THIS NOTICE WITH A WRITTEN DESCRIPTION OF THE IMMEDIATE CORRECTIVE ACTION YOU HAVE TAKEN TO PREVENT CONTINUED OR RECURRENT VIOLATION. **THIS VIOLATION IS SUBJECT TO SUBSTANTIAL PENALTY.** YOUR RESPONSE DOES NOT PRECLUDE FURTHER LEGAL ACTION.

ISSUED BY: [redacted] INSP # [redacted]

DATE: [redacted] TIME: [redacted] HRS MAILED

PLEASE PRESS HARD

Continued On Reverse

Enforcement Strategies Development

- Collaborate with the CSC to identify specific concerns to the East Oakland Community
- Evaluate enforcement data to identify compliance issues at facilities and source categories
- Engage in targeted inspections and enforcement efforts to address compliance concerns



Field Staff Meet and Greet



Questions?

Overview of Meteorology & Measurements Division

Winnie Leung, Air Quality Engineer, Source Test
Katherine Hoag, Assistant Manager, Ambient Air Quality Analysis

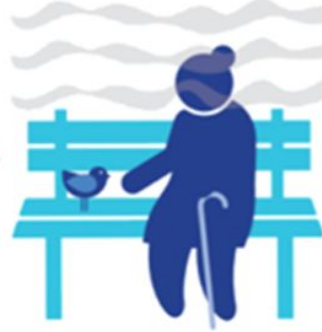
Estimating Levels of Air Pollution



Emissions



Ambient Concentrations



Exposure



Health Effects

Meteorology & Measurement Sections

Source Test

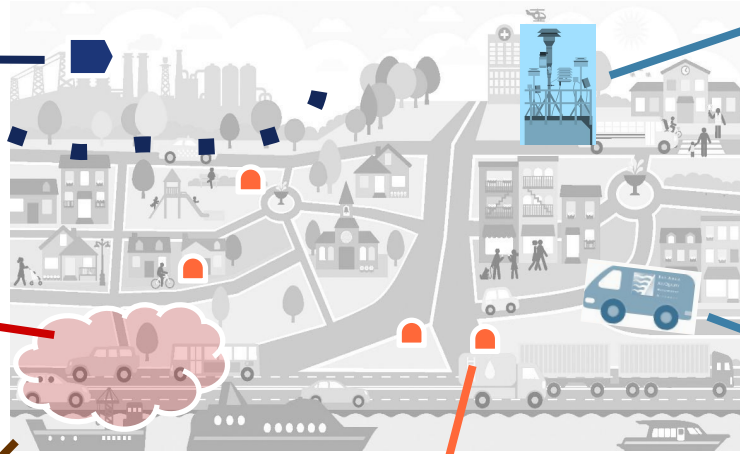
- Test stack emissions for compliance with permit limits
- Review test reports
- Participate in special projects

Meteorology & Quality Assurance

- Forecast air quality for AirNow, Spare the Air, and wildfires
- Audit monitoring stations
- Validate air monitoring data

Laboratory

- Prepare and analyze air quality samples for monitoring and enforcement programs



Ambient Air Quality Analysis

- Design regionwide and community-scale air monitoring projects
- Analyze and interpret air quality data
- Track long term air quality trends and assess local-scale impacts
- Provide technical support on air monitoring and data (ie. Bay Air Center)

Air Monitoring Operations

- Operate long-term air monitoring stations in the Bay Area to provide public real-time information, track trends in air pollution, and inform emission reduction strategies

Air Monitoring Special Projects and Technology

- Assess community-scale air quality and impacts from nearby sources through special monitoring projects
- Develop and maintain data management systems

Permitted Sources



Refineries



Power plants



Cement/asphalt
production



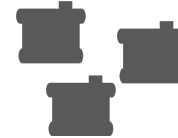
Landfills/compost
facilities



Wastewater
treatment plants



Bulk terminals



Cargo tanks



Gasoline
dispensing
facilities

How do we use emissions and air quality measurements?

- Support various Air District programs to reduce pollution emissions:
 - Characterize air quality in overburdened communities (such as under AB 617)
 - Support Compliance and Enforcement investigations
 - Inform permit conditions and health risk assessments for Engineering
 - Develop and verify emissions inventories, rules, and plans
- Provide real-time air quality data to the public through:
 - [Air District website](#)
 - [EPA's AirNow website](#)
- Estimate exposure for health research studies
- Consult with outside agencies and community groups on the use of measurements and resulting data

What can the Meteorology & Measurements Division bring to the CERP?

- Data from air monitoring programs can be used to:
 - **Characterize air quality** in a community, such as how levels of certain pollutants change over time and how they vary in different places
 - **Inform about possible impacts** from pollution sources and local air quality concerns
- **Real-time air quality data** are uploaded onto websites during air pollution episodes (ie. wildfires, smog events, and releases)
- **Emissions monitoring data** from facilities provide information for developing community-scale emissions inventories and determining compliance with regulations and permit conditions.



Questions?

Community Mapping Project Reminder and Updates on Community-Based Organization (CBO) Partners

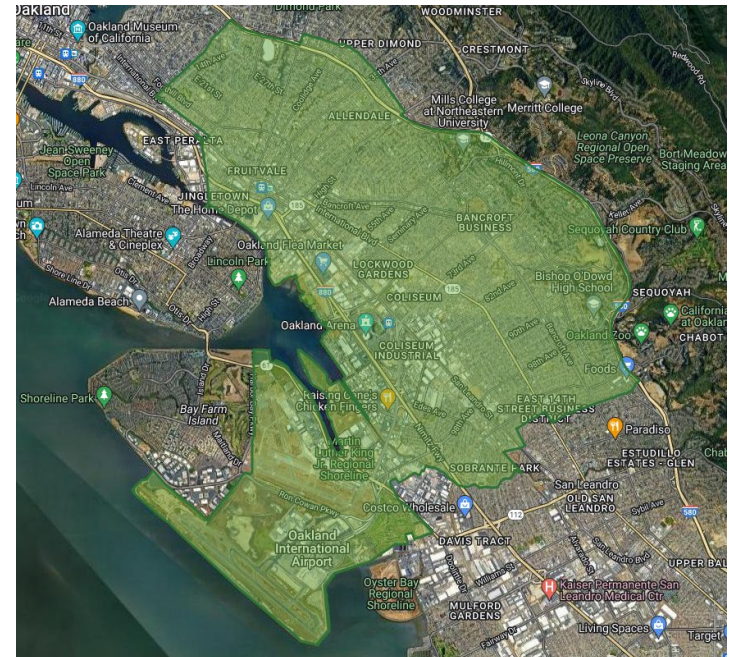
Aneesh Rana, BAAQMD
Karissa White, BAAQMD

Update on Community-Based Organization (CBO) Partners

- The Air District is providing \$30,000 in grants to community-based organizations to conduct outreach for the Community Mapping Project
- Individual grants of \$7,500 awarded to:
 - East Oakland Collective
 - Higher Ground Neighborhood Development Corp
 - Lifers Leaving a Legacy
 - Recess Fun, Inc.
- Projects will begin September 14 and run through mid-October
- Grantees will present to the Community Steering Committee meeting in November on their projects

East Oakland Community Mapping Tool

- It's an interactive online mapping platform to gather community input.
 - <https://rspcerp.mysocialpinpoint.com/east-oak/community-map#/>
- Link to the Quick Start Guide for instructions on how to use the mapping tool:
 - <https://rspcerp.mysocialpinpoint.com/east-oak/quick-start-guide>



What information are we collecting?



Air Pollution Concerns

Air pollution from buildings, industry, trains, trucks, ships, etc. at this location.



Locations Where People Gather

Places where people gather – especially seniors, young people, or community members with increased health risks.

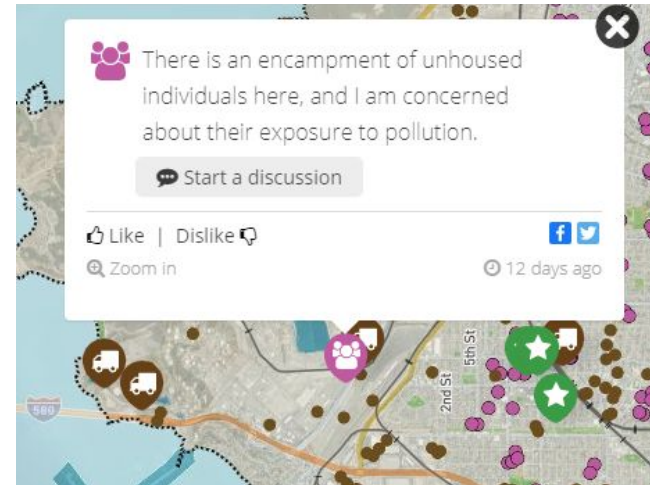


Community Strengths and Resources

Locations which represent the creativity, culture, history, heritage, and strength of the local community.

What will we do with this information?

- Identify community concerns
- Identify susceptible populations
- Learn more about communities we serve



Community Map and Organizing Project

- The Community Map will be active through October 19
- We encourage Steering Committee members to share their knowledge
- Up to two additional hours of stipends are available for Steering Committee members to add “pins” and information to the Community Map
- Just Cities will provide a form you will complete to receive the additional stipend

Demo and Mobile Snapshots

Link to Social Pinpoint East Oakland Community Mapping Tool:

<https://rspcerp.mysocialpinpoint.com/east-oak/community-map#/>

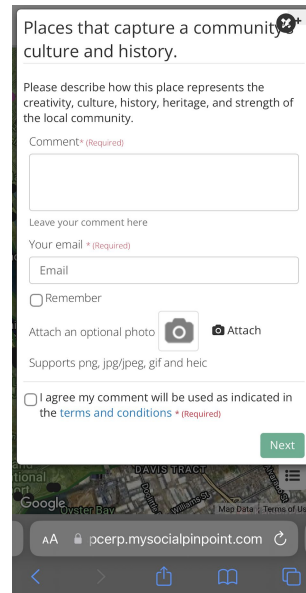
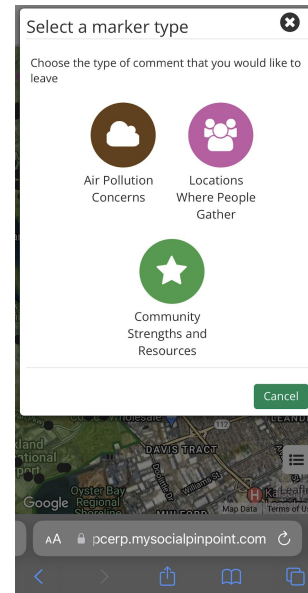
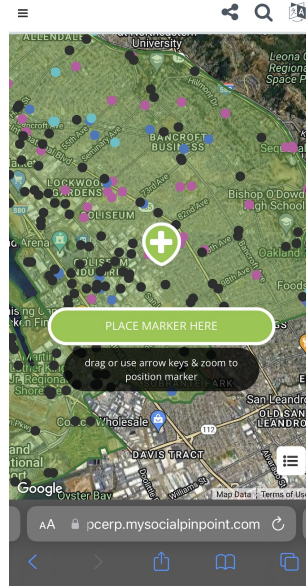
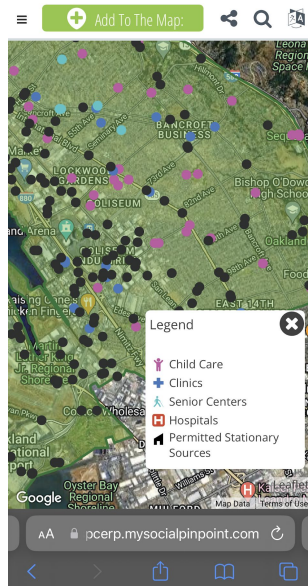


East Oakland Air Pollution and Community Asset Mapping

Your thoughts, concerns, and ideas will inform the development of a community-led air quality plan for East Oakland. This plan will reduce air pollution and protect your family's and your community's health.

To share your story :

1. Click on the green "+ Add To Map" button at the top.
2. Select a marker type that aligns with your thought, idea or concern.
3. Drag and zoom the map to put the marker at the appropriate location.
4. Click "Place Marker Here" to add your story.





Questions?

East Oakland Environmental Justice Announcements and Updates

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

Feedback on Meeting & Next Steps

Fill out the post-meeting survey:

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

Fill out the In-person/ Hybrid Meeting Accessibility Poll

- English: <https://forms.gle/3q6EVTVMXkxA62R8>
- Spanish: <https://forms.gle/2VFfpxino9XzfZeU9>

Next Meeting will be held **Thursday, October 12th, 2023**

Thank You!

See You Soon!