

# Overview of the Green Empowerment Zone

Presentation to Bay Area Air District, Stationary Source Committee on July 9, 2025

**Supervisor John Gioia**  
**Contra Costa County Board of Supervisors**  
**Chair, Green Empowerment Zone**

**John Kopchik, Director, Contra Costa County**  
**Department of Conservation & Development**

# Key Topics to Be Covered

## Overview of the Green Empowerment Zone (GEZ)

Overview of Authorizing Legislation

Boundaries of the GEZ

Overview of Board Membership

Overview of Clean-up Legislation on Board Membership

The County's Role in the GEZ

GEZ Accomplishments to Date

Complementary Countywide Initiatives



Source: By Robert Campbell - U.S. Army Corps of Engineers Digital Visual Library, CC BY-SA 3.0 via [Wikimedia Commons](#)

# Overview of the Green Empowerment Zone (GEZ)

**Goal:** Build upon the comparative advantage provided by the regional concentration of highly skilled energy industry workers.

**Who:** Diverse Governing Board includes local, state, and federal government, large employers, small business and economic development, universities, private sector, labor, environment, and workforce development. Proposed Cleanup Legislation SB 227 (Grayson) would add seats for community and environmental justice representatives.

**How:** Agreement with Governor's Office (GO-Biz) for \$5M (California State Senator District 09 Timothy Grayson). Use of these funds includes a \$2M contract with UC Berkeley Labor Center to provide foundational research, technical assistance, and policy recommendations for a high-road clean energy manufacturing strategy.



*Source: Environmental Defense Fund via [website](#)*



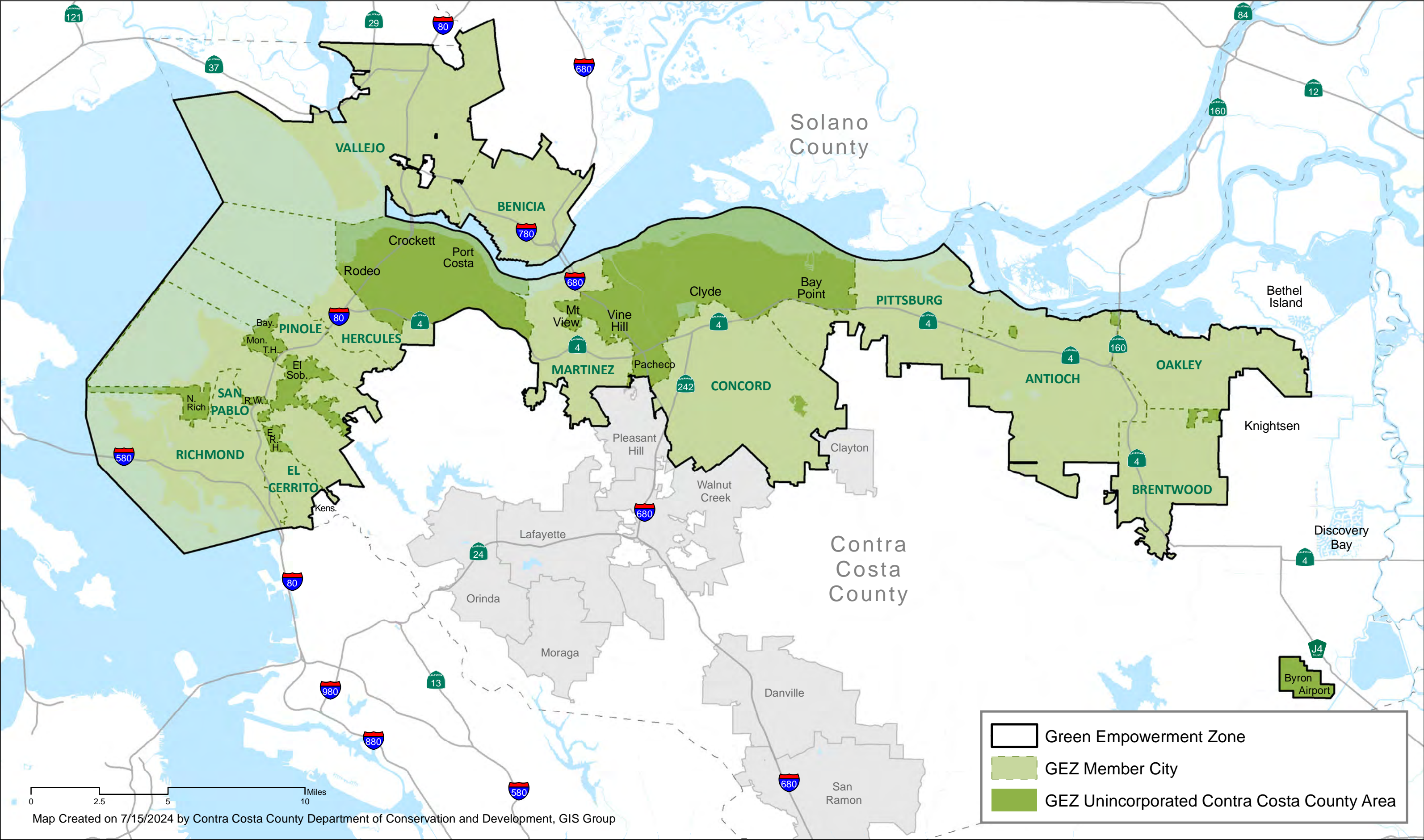
# Authorizing Legislation AB 844 (Grayson)

- Authorized the establishment of a Green Empowerment Zone for the Northern Waterfront Area of the County of Contra Costa, until January 1, 2028.
- Authorized the Zone to be composed of specified cities, upon adoption of a resolution by the city or county, provided for the Green Empowerment Zone to be governed by a Board of Directors and specified composition of the Board.
- GEZ is advisory to the State of California.
- Tasked the Green Empowerment Zone with various duties, including, among other things, identification of projects and programs that will best utilize public dollars and improve the economic vitality of the Northern Waterfront area of the County of Contra Costa in a coordinated effort to support the development of the clean energy economy.





# Green Empowerment Zone (GEZ) as approved on April 19, 2024



# Current GEZ Board Members

- Josh Anijar - Contra Costa Labor Council
- Senator Jesse Arreguín - State Senate District 7
- Stephen Baiter - East Bay Economic Development Alliance
- Councilmember Kari Birdseye - City of Benicia
- Tamia Brown - Workforce Development Board of Contra Costa County
- Kellie Butler - Solano County Community College District
- Senator Christopher Cabaldon - State Senate District 3
- Representative Mark DeSaulnier - CA Congressional District 10
- Noemi Gallardo - California Energy Commission
- Representative John Garamendi - CA Congressional District 08
- Supervisor John Gioia - Contra Costa County **(GEZ Chair)**
- Senator Timothy Grayson - State Senate District 9
- Darnell Grisby - California Transportation Commission
- Tom Hansen - International Brotherhood of Electrical Workers
- Eric Haynes - Sheel Metal Workers' Union Local 104
- Vice Mayor Hugh Henderson - City of Oakley
- Zen Hunter-Ishikawa - NorCal Venture Forum
- Councilmember Arlene Kobata - City of Pittsburg
- Stephen Konig - Marathon Petroleum
- Chuck Leonard - Plumbers & Steamfitters Union Local 342 **(GEZ Vice Chair)**
- Jason Lindsey - Ironworkers Union Local 378
- Councilmember Devin Murphy - City of Pinole
- Vice Mayor Carlyn Obringer - City of Concord
- Mark Orcutt - East Bay Leadership Council
- Councilmember Charles Palmares - City of Vallejo
- Vice Mayor Pa'tanisha Pierson - City of Brentwood
- Mayor Patricia Ponce - City of San Pablo
- Chris Rico - Solano Economic Development Corporation
- Tiffany Roberts - Phillips 66
- Councilmember Doria Robinson - City of Richmond
- Cathy Sandeen - Cal State East Bay
- Kelly Schelin - Contra Costa Community College District
- Councilmember Tamisha Torres-Walker - City of Antioch
- Tamara Walker - Richmond Workforce Development Board
- Councilmember Alexander Walker-Griffin - City of Hercules
- Assemblywoman Lori D. Wilson - Assembly District 11 **(GEZ Vice Chair)**
- Mayor Carolyn Wysiner - City of El Cerrito
- Mayor Brianne Zorn - City of Martinez



# Proposed Cleanup Legislation SB 227 (Grayson)

- Seeks to extend the authorization of the Green Empowerment Zone (GEZ) until January 1, 2040.
- Would recognize the expansion of the GEZ to include four additional cities—El Cerrito, Pinole, Richmond, and San Pablo.
- Proposes adding environmental justice and other representatives to the GEZ board to address gaps in stakeholder and agency representation.



Source: Representative John Garamendi via [Instagram](#)

# The County's Role in the GEZ

- To support the effort, the Legislature approved a \$5,000,000 appropriation to Contra Costa County (AB 179, the Budget Act of 2022).
- Contra Costa County Department of Conservation and Development utilizes these funds to provide administrative and other support services for the GEZ and the GEZ Governing Board.
- The Department of Conservation and Development has entered into a \$2M contract with UC Berkeley Labor Center for a project to support the GEZ, following a recommendation from the GEZ Board and approval from the Board of Supervisors.





# High Road Strategy for Clean Energy Manufacturing

County has a \$2M contract with UC Berkeley Labor Center to conduct this work for the GEZ

## Project Goal:

- Design and implement a strategy to help grow a High-Road (HR) Clean Energy Manufacturing (CEM) ecosystem in and around the GEZ and advance a just transition.

## Project components:

- A) Research on priorities and growth strategies
- B) Technical assistance to facilitate HR partnerships and inform strategies
- C) Policy recommendations to accelerate high-road growth



Source: UC Berkeley Labor Center via [website](#)

# UCB Strategy A: Research on priorities & growth strategies

## Goal for Strategy A: Research

**Provide information to GEZ Board Members and partners about Clean Energy Manufacturing technologies, viability in GEZ, and potential for high road projects.**

## Goals for CEM Technology Research

1. Prioritize Clean Energy Manufacturing technologies to inform industry-specific growth strategies.
2. Provide deep dive information on prioritized technologies to determine potential for and path towards high road projects.

# **UCB Strategy B: Technical assistance to facilitate HR partnerships and inform strategies**

## **Goal for Strategy B: Technical Assistance**

**Policy recommendations to support additional High Road Clean Energy Manufacturing growth in the GEZ**

## **Goals for Technical Assistance**

1. Develop and refine recommendations to accelerate High Road Clean Energy Manufacturing growth in the GEZ, based on learnings in A and B, and additional research.
2. Disseminate learnings on an ongoing basis, identifying opportunities to support implementation of policy recommendations.



# UCB Strategy C: Policy recommendations to accelerate high-road growth

## Goal for Strategy C: Policy Recommendations

Stakeholder engagement and technical assistance to identify opportunities to support High Road Clean Energy Manufacturing growth, and identify barriers to growth

## Goals for Policy Recommendations

1. Track public funding and alert key stakeholders about High Road Clean Energy Manufacturing opportunities.
2. Conduct intake interviews with target employers to provide technical assistance to support High Road partnerships and identify barriers.

# Marketing Committee

- Led by a GEZ Working Group.
- Develop website to showcase GEZ, clean energy manufacturing success stories that are aligned with GEZ mission.
- Inform public, engage stakeholders, market GEZ success.



*FedEx ZEV facility in North Richmond. Source: [Overaa Construction](#)*

# Complementary Countywide Initiatives



Northern Waterfront Economic  
Development Initiative



Priority Production Areas (PPAs)



Just Transition Economic  
Revitalization Plan



# Thank you!



*Source: San Francisco Bay Restoration Authority via [website](#)*

Contact:

Alyson Greenlee

Economic Development Manager for Contra Costa County and lead staff to the GEZ

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# Refinery Community Air Monitoring Program Update

## Stationary Source Committee

July 9, 2025

**Kate Hoag, Ph.D.**  
**Assistant Manager**  
**Meteorology and Measurement**

# Presentation Outline

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- Refinery community air monitoring program background
- Refinery community air monitoring stations
- Refinery-operated fenceline air monitoring requirements



# Refinery Community Air Monitoring Programs

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- Program created during the Regulation 12, Rule 15 development process in 2016 and partly funded by Community Air Monitoring fee
- Mandated by Assembly Bill (AB) 1647 in 2017

**Air District  
Air Monitoring  
Stations Near  
Refineries**

**Refinery-operated  
Fenceline Air  
monitoring  
Systems**

# Other Air and Emissions Monitoring Programs

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Other measurements also provide information about refinery emissions and air quality near refineries, such as:

- Regulatory air monitoring stations
- Short-term air monitoring projects
- Air sensor networks (for example, Purple Air)
- Continuous emissions monitors, source tests, and other emissions-related measurements
- Facility-operated ground level monitoring stations (GLMs)

# Community Air Monitoring Stations Near Refineries

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Commitment for the Air District to establish or expand one multi-pollutant air monitoring station near each refinery to:

- Provide refinery frontline communities with real time local-scale air pollution data reflecting day-to-day cumulative air pollution levels
- Track air pollution levels near refineries over time to assess trends and support long- and short-term air quality assessments

This program expands the number of pollutants measured at ambient air monitoring stations near refineries using updated technologies



# Steps in Constructing an Air Monitoring Station

## Siting

- Community input
- Assessment of preferred locations
- Site identification
- Leasing
- Site design & permitting

## Construction

- Site construction & station setup
- Equipment procurement
- Equipment installation
- Equipment testing

## Monitoring

- Ongoing instrument maintenance and operations
- Data quality assurance
- Data reporting
- Data analysis

# Update on Refinery Air Monitoring Stations

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- Benicia station (Valero) started operating in 2024
- Expanding the measurements at San Pablo (Chevron)
- Locations identified in
  - Martinez (MRC)
  - Rodeo (Phillips 66), and
  - Clyde (Marathon)
- Continue assessing options for real time measurements of key toxic compounds and fine and coarse particulate matter

# Refinery Community Fenceline Air Monitoring Requirements

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Per Air District Rule 12-15, refineries are required to:

- Obtain Air District approval of a written fenceline air monitoring plan (FAMP) and quality assurance project plan (QAPP) for establishing and operating a fenceline air monitoring system at their facilities
- Measure benzene, toluene, ethyl benzene, and xylenes (BTEX) and hydrogen sulfide (H<sub>2</sub>S) concentrations, and must additionally consider monitoring sulfur dioxide, alkanes or other organic compound indicators, 1,3-butadiene, and ammonia



# Current Refinery Fenceline Implementation

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- FAMP for all refineries were conditionally approved in 2018, dependent on QAPP and monitoring plans for H<sub>2</sub>S
- Revised FAMPs for H<sub>2</sub>S were submitted in 2022
- Plans were not approvable, Air District disapproved Plans and issued Notices of Violation in October 2023
- A settlement with Chevron was finalized on June 9, 2025; the remaining four are still within enforcement process

# Chevron Fenceline Air Monitoring Settlement Agreement

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- Approves Chevron's FAMP and QAPP with requirements for demonstrating the accuracy of the data for all pollutants
- Allows Chevron to operate H<sub>2</sub>S point monitors to meet monitoring requirements for the duration of the settlement
- Improves public access to real-time and historical fenceline air monitoring datasets
- Provides for public quarterly reporting of measured pollutant concentrations and data accuracy and completeness information

# Motivation for Improved Fenceline Monitoring Requirements

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- Local community stakeholders have long called for improvements to the timeliness, trustworthiness, and accessibility of fenceline air monitoring data
- A 2022 report from Earthjustice, proposed legislation from 2024 (Senate Bill 674), and recent revisions to South Coast Air Quality Management District Rule 1180 have outlined and operationalized many improvements to refinery community fenceline air monitoring requirements beyond our original rule
- With this in mind, the Air District has begun drafting improved fenceline air monitoring requirements for early engagement on upcoming rule revisions

# Potential Improvements Under Consideration

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- **Expand the scope of fenceline air monitoring requirements**
  - Expand the list of target pollutants that must be monitored
  - Broaden requirements for spatial coverage
- **Increase accountability**
  - Clear and specific quality assurance and quality control requirements for each pollutant that is measured
  - Requirements for third-party audits of fenceline air monitoring systems
  - Increased Air District oversight (e.g., review of data) during implementation



# Potential Improvements Under Consideration (cont.)

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- **Increase transparency**
  - Require public notifications, root cause analysis, and corrective action when measured concentrations exceed specified thresholds
  - Require facilities to implement practices that make it easier for the public to find, retrieve, understand, and use the real-time and final fenceline air monitoring data

# Potential Improvements Under Consideration (cont.)

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- **Improve efficiency**
  - Improve procedural issues with Rule 12-15 that make implementation of the fenceline air monitoring program inefficient
  - Integrate requirements for different refinery-operated air monitoring programs (i.e., fenceline monitoring under Rule 12-15 and refinery ground level monitoring for SO<sub>2</sub> and H<sub>2</sub>S under Rules 9-1 and 9-2)

# Tentative Rule Development Timeline

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- Early engagement on potential improvements with the refinery corridor community and with the affected facilities using various approaches
- Release draft rule language and preliminary staff report for public review and comment in early 2026
- Rule development workshop during public review of draft rule language
- Propose rule to Board of Directors in late 2026

# Questions & Discussion

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## **For more information:**

Kate Hoag, Ph.D. | Assistant Manager | [khoag@baaqmd.gov](mailto:khoag@baaqmd.gov)

Joe Lapka | Principal Air Quality Specialist | [jlapka@baaqmd.gov](mailto:jlapka@baaqmd.gov)





# Incident Response Program Overview

Stationary Source Committee

July 9, 2025

**Meredith Bauer, Ph.D.**  
Deputy Executive Officer  
Engineering and Compliance

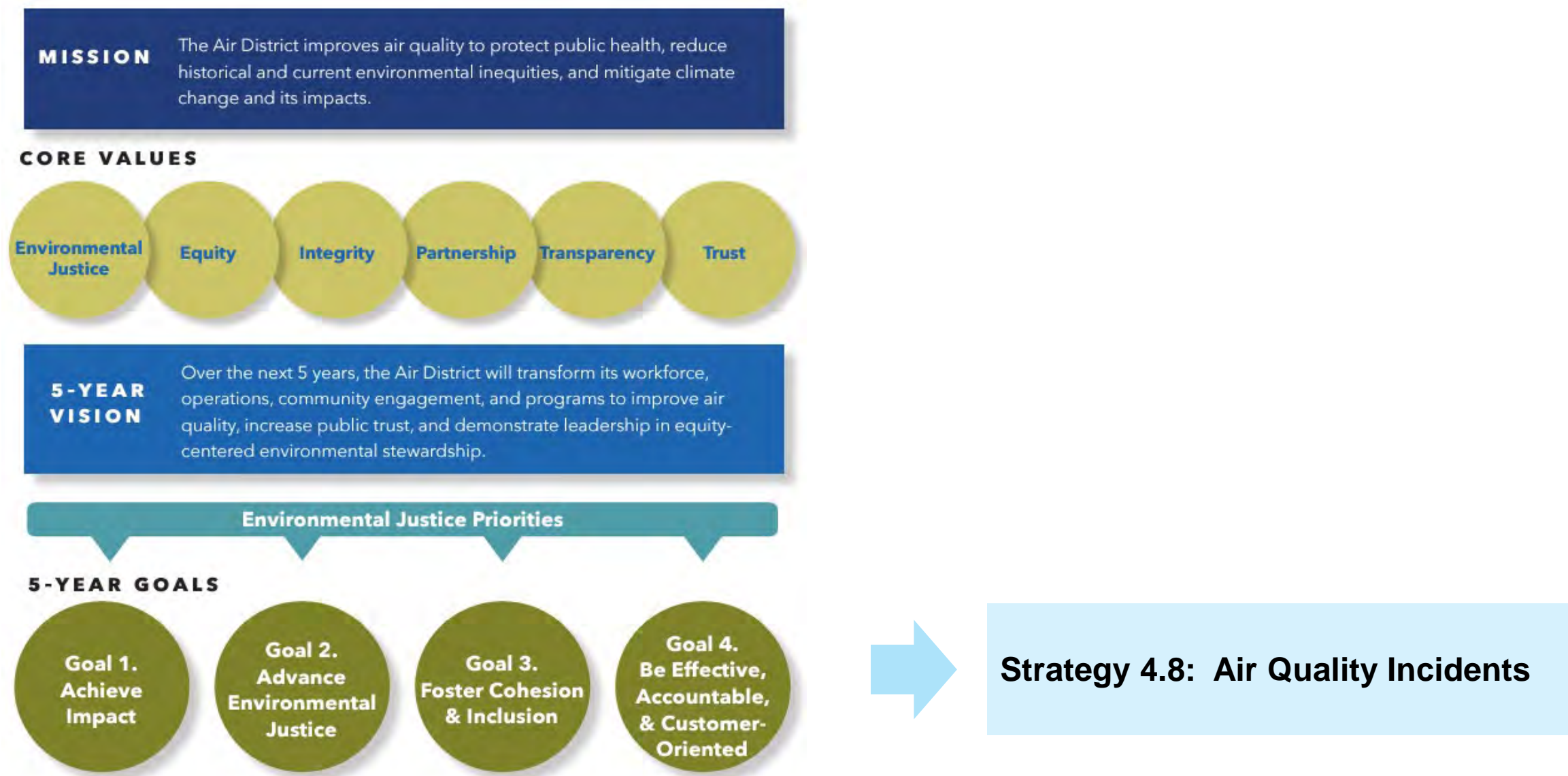
**Joe Lapka**  
Principal Air Quality  
Specialist

# Presentation Outline

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- Strategic Plan Framework and Commitment to Air Quality Incidents
- Incident Response Program Scope
- Ongoing Coordination Efforts
- Communication Updates
- Air Monitoring Updates

# Strategic Plan Framework



# Strategy 4.8 Commitments

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**Strategy 4.8 Air Quality Incidents:** We will enhance our incident response program in collaboration with government partners.

- Work with industry, community and other local agencies to establish better systems to detect and assess emissions from incidents
- Explore technology solutions that proactively notify communities of incidents including potential health concerns
- Partner with communities near facilities with recurring incidents to provide enhanced community-led monitoring
- Deliver short, understandable actionable alerts during incidents, and more robust and transparent after-incident resolution and investigations



# Incident Response and Program Scope

What is an incident?

A non-routine release of an air contaminant that may cause adverse health consequences to the public or to emergency personnel responding to the release, or that may cause a public nuisance, or off-site environmental damage.



Fire at Valero in 2019

# Incident Response Program Scope (cont.)

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## Air District Roles and Objectives

- Support first responders to help minimize the impact of the incident on the public
- Incident investigation and enforcement of air quality regulations and requirements
- Respond to air quality complaints
- Assessment of air quality impacts as appropriate
- Coordination with other agencies on enforcement, health impacts and messaging
- Provide timely and relevant information to the public

# Incident Response Program Improvements

Based on 2023 Incident Response ad hoc and Strategic Plan



Improve internal and external coordination



Coordination



Provide information to the public more quickly



Provide more and better information to the public



Reach a wider audience



Share and collect relevant air quality data



Air  
Monitoring



Communication

# Ongoing Coordination Efforts

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- Update and streamline internal coordination procedures
  - Example: Develop an incident response plan and tools for non-emergency incidents
- Improve coordination with local agencies to strengthen public messaging and facility accountability
  - Example: Work with Contra Costa County Health to issue more informative air quality alerts
- Make information more accessible on the website
  - Example: Make incident information more visible on the Air District's homepage during an incident with prominent web banner at the top of homepage; timely posting of incident reports; and a page dedicated to the specific incident accessible with one click

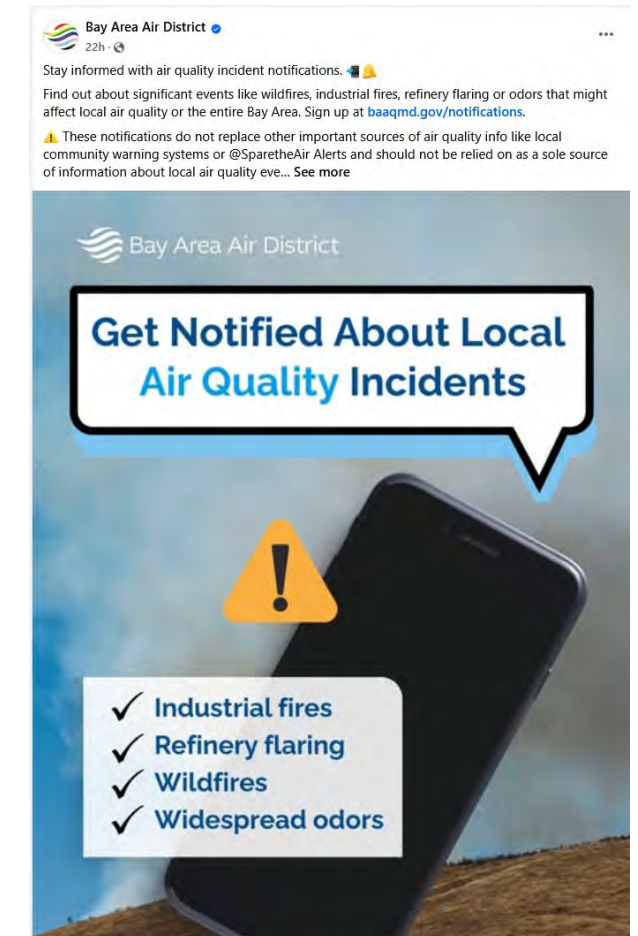


# Communication Updates

- Public Notification Tool launched September 2023, improvements continue
- Increased frequency and speed of updates to social media and email lists
- Regular messaging updates to public health officers
- Proactively notify community members when there are incidents and what we know about the incidents



Screenshots from Air District social media accounts



# Communication Updates (cont.)

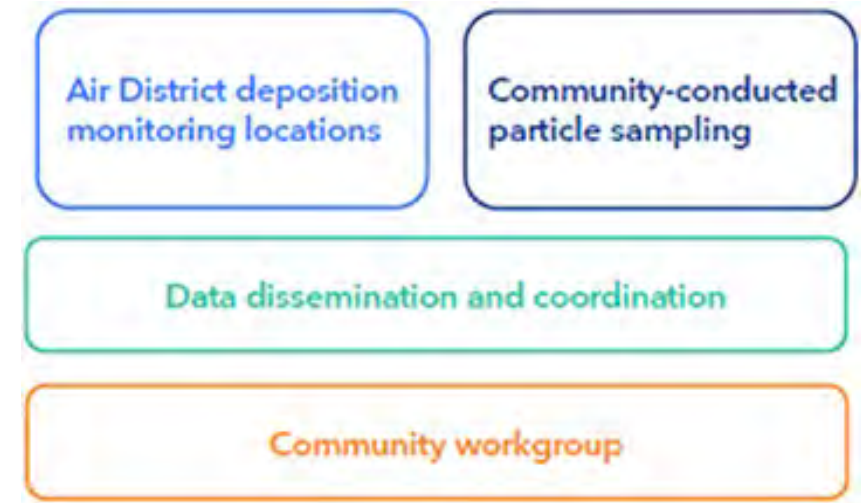
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## Contra Costa County Warning System (CWS) Updates

- Late 2023 to Early 2024 - Air District were involved in Contra Costa County's latest amendment of the CWS policy
- Air District staff collaborated with representatives of both Contra Costa County Hazmat and Sheriff's Department to discuss the current policy and propose changes to the policy based on our first-hand experience on CWS notifications
- The updates redefined the criteria for each level to make them more meaningful to the public

# Particle Fallout Sampling Program for Refinery Communities

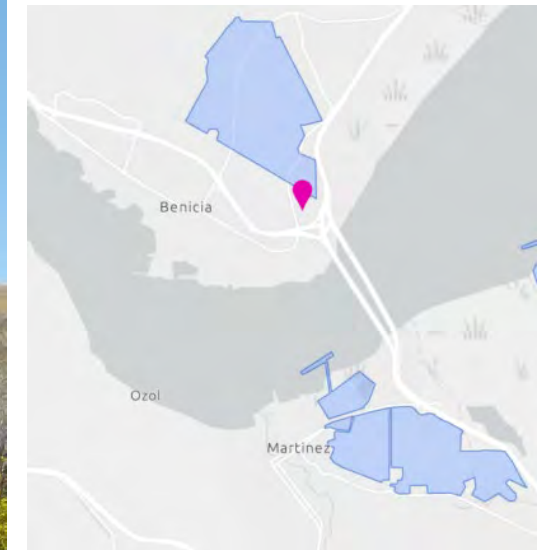
- New program that aims to better characterize air quality impacts from unplanned incidents in refinery communities by sampling larger particles that are not measured by existing monitoring methods such as sensor networks and the Air District's regulatory network
- Program includes a core network of **Air District-operated particle sampling locations**, **community-conducted sampling**, **dissemination of the sampling data**, and a **community workgroup** to guide program development and implementation





# Progress on Core Sampling Network

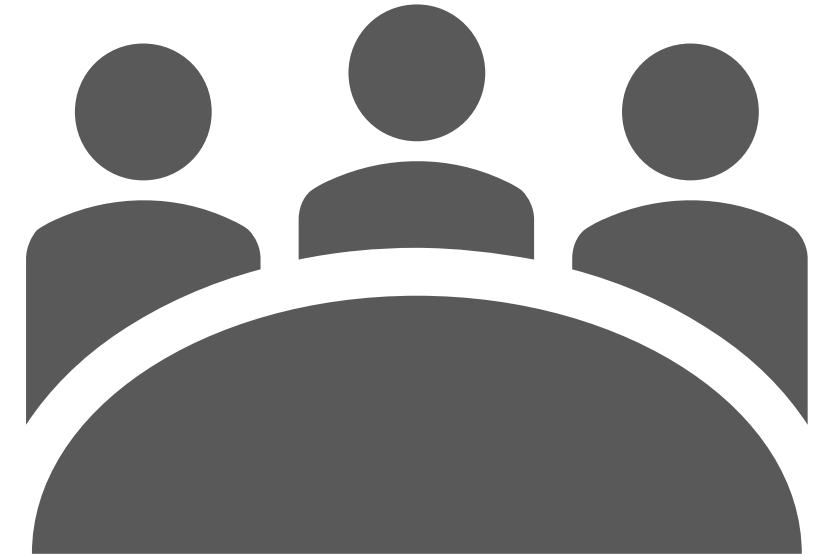
- Samplers consist of a small collection dish mounted to a pole or fence
- First site established at the Museum of History Benicia
- Discussions underway with the City of Vallejo and Contra Costa County regarding additional sampling locations
- Further consultation with workgroup once it is convened



# Progress on the Community Workgroup

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- Accepted applications for the workgroup from April 30 – June 13, 2025
- Received 15 applications
- Expect to hold the first workgroup meeting in July 2025 and at least monthly during program development
- Workgroup members will be compensated





# Community Workgroup Responsibilities

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- Establish **charter and procedures** for working together
- Choose **additional locations** for the **core network**
- Review particle **sampling and laboratory analysis methods**
- Develop the **community sampling protocols**
- Develop community participant **recruitment and training materials**; help lead trainings for community sampling participants
- Discuss how the Air District and workgroup will work together to **analyze, interpret, and report data** after an incident

# Strategic Plan: Action Plan to Improve Incident Response

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## Key Objectives for next 12-18 months

- Issue timely regionwide notifications of incidents
- Make incident-related information accessible to the public
- Work with refinery communities to sample particle fallout from incidents
- Provide health information about air pollutants released during incidents
- Explore mechanisms to assess impacts from incidents
- Improve internal coordination around incident response
- Improve incident response coordination with external partners

# Questions & Discussion

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## **For more information:**

### Compliance & Enforcement

- Meredith Bauer, Ph.D. | Deputy Executive Officer | [mbauer@baaqmd.gov](mailto:mbauer@baaqmd.gov)
- Tracy Lee | C&E Manager | [tracylee@baaqmd.gov](mailto:tracylee@baaqmd.gov)

### Communications

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### Meteorology and Measurement

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### Health Officer

- David Holstius, Ph.D. | Acting Health Officer | [dholstius@baaqmd.gov](mailto:dholstius@baaqmd.gov)



# After Incident Review

February 1, 2025

MRC

Stationary Source Committee

July 9, 2025

Ed Giacometti

Manager

Compliance & Enforcement

# Presentation Outline

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- Overview of Incident at MRC
- Immediate Response
  - Inspection Team
  - Communications
  - Responding Agencies
- Follow-up Response
- Enforcement Actions
- Air Quality and Risk Screening



# MRC Refinery Fire Overview

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- On February 1, 2025, at 1:36 pm, a fire ignited in the light oil processing area of the MRC
- Contra Costa County Health issued a Level 2 warning at 1:49 pm, followed by a Level 3 warning at 5:00 pm
- By the morning of February 2, 2025, the fire was contained and no smoke or flames were visible



# Immediate Response - Inspection Team

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- At 1:49 pm the Air District received a Contra Costa County Community Warning System (CWS) Level 2 notification filed by MRC reporting a fire at the refinery
- Given the incident began on a Saturday, the on-call incident response Supervisor initiated the Air District Response
- Air District incident response staff arrived onsite within 30 minutes of receiving the CWS alert and observed a large black plume and flames from the refinery process unit area

# Immediate Response - Inspection Team (cont.)

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- Air District staff immediately contacted MRC to gather initial information and gain access to the onsite incident command
  - Supported first responders – Air District coordinated with Contra Costa County Health and Fire Officials
  - Gathered information related to the incident
  - Began to assess compliance with air quality regulations
- Two additional Air District staff were dispatched to incident for air quality complaint response and offsite observations
  - Total of **29** air quality complaints received by Air District due to the incident

# Immediate Response – Communications

- Air District promptly issued Air Quality Advisory for Contra Costa and Solano counties
- Multiple public notifications used during event
  - Public Notification Tool
    - Email and Text Alerts
    - Social Media Posts
    - Air District Website



# Immediate Response – Communications (cont.)

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- Incident Report
  - Report updated during the investigation as new information became available
- Timely responses and updates to media and public inquiries ensure accurate information was available to the public



# Responding Agencies

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- MRC Fire
- Contra Costa County Fire
- California Highway Patrol
- Contra Costa County Health Department
- California Occupational Safety and Health Administration

# Follow-up Response: Post-incident Investigation

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- Air District staff attends daily situational meetings at MRC to receive updates on refinery operations.
- Air District participates in a unit walk through of the impacted area with California Occupational Safety and Health Administration and MRC
- Air District staff continues to collect data and information regarding to incident to assess compliance with applicable air quality regulations
  - Continuous Emission Monitor Data
  - Flare Causal Report/Flare Data

# Follow-up Response: Public Communication

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Provided updates:

- to Martinez City Council on February 5, 2025 and
- at Contra Costa Supervisor Shanelle Scales-Preston's MRC Fire Town Hall on March 13, 2025

# Enforcement Actions

## February 1, 2025, Incident – Enforcement Actions

- Violations were issued for soot/smoke, creating a public nuisance, and multiple operational deviations
- To date, Air District staff has issued a total of 22 Notices of Violations to MRC
- The Air District's investigation is on-going and will inform future legal actions



# Air Quality and Risk Screening

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Meteorological conditions impacted the smoke plume

- Wind direction changed and picked up speed around the same time as the incident
- Wind direction during the incident was generally from south (away from Martinez)
- Hot plume was lofted above ground level in immediate vicinity though localized ground level impacts were possible



# Air Quality and Risk Screening (cont.)

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Reviewed data from PurpleAir sensors, Air District ambient air monitoring stations, and fenceline air monitoring systems and MRC Ground Level Monitors (GLMs)

- Fine particulate matter were slightly elevated in the initial hours of the incident; peak levels remained below 50 Air Quality Index (“Good”)
- No clear indication of attributable impacts on sulfur dioxide, hydrogen sulfide, carbon monoxide or nitrogen dioxide
- Hydrogen sulfide and sulfur dioxide at GLMs did not exceed notification thresholds of Rules 9-1 or 9-2, or risk-based screening levels

# Air Quality and Risk Screening (cont.)

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- Canister “grab samples”
  - Instantaneous snapshots of air quality: collect samples for subsequent laboratory analysis
  - Compared to short-term average (1-hour) risk screening levels for inhalation
  - No exceedances compared to screening levels from California’s Office of Environmental Health Hazard Assessment
- GLM Van measurements
  - Elevated level of sulfur dioxide was recorded for 1 minute on the afternoon of February 1; all other measurements were low
- Wipe samples
  - No target compounds were present at detectable levels

# Questions & Discussion

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## **For more information:**

Ed Giacometti | Manager | [egiacometti@baaqmd.gov](mailto:egiacometti@baaqmd.gov)

David Holstius | Acting Health Officer | [dholstius@baaqmd.gov](mailto:dholstius@baaqmd.gov)

# MRC 2025 Fire

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## Incident Update

# Description of Event



**1:35 p.m. on February 1, 2025**, when two contract workers were opening a flange in preparation for planned maintenance on one of the refinery's process units.

**While opening the flange, hydrocarbon material started to leak.**  
The two contract workers upon observing the leak evacuated the area, and within seconds the material caught fire.

**1:49 p.m. a Level 2 CWS notification was received by CCH.**  
CCH expanded the initial health advisory, ultimately issuing a Shelter In Place for parts of Martinez for ~ 5 hours

**Crews continued to suppress the fire until Tuesday, February 4, 2025**  
when the fire was extinguished and the health advisory was lifted.

**A total of six workers were evaluated by medical personnel and released.**  
None were admitted to the hospital.



# Health Impacts of Release

NAPHTHA (PETROLEUM),  
LIGHT THERMAL  
CRACKED

DIETHANOLAMINE,  
LFG 85

DISTILLATES  
(PETROLEUM), LIGHT  
CAT CRACKED

DISTILLATES  
(PETROLEUM),  
INTERMED CAT  
CRACKED

NAPHTHA (PETROLEUM),  
LIGHT CATALYTIC  
CRACKED

SULFUR DIOXIDE

ISOBUTANE-RICH C3-C4

CCH determined chemicals of concern  
from fire

Air monitoring results showed low levels  
for most chemicals

CCH identified elevated levels for  
Particulate Matter in smoke

Most community members would not have experienced significant exposure to smoke, based on observed conditions including wind direction.





## AIR

Realtime Monitoring Data provided by CCH and Bay Area Air District

## SOIL

Samples taken by TRC Consulting

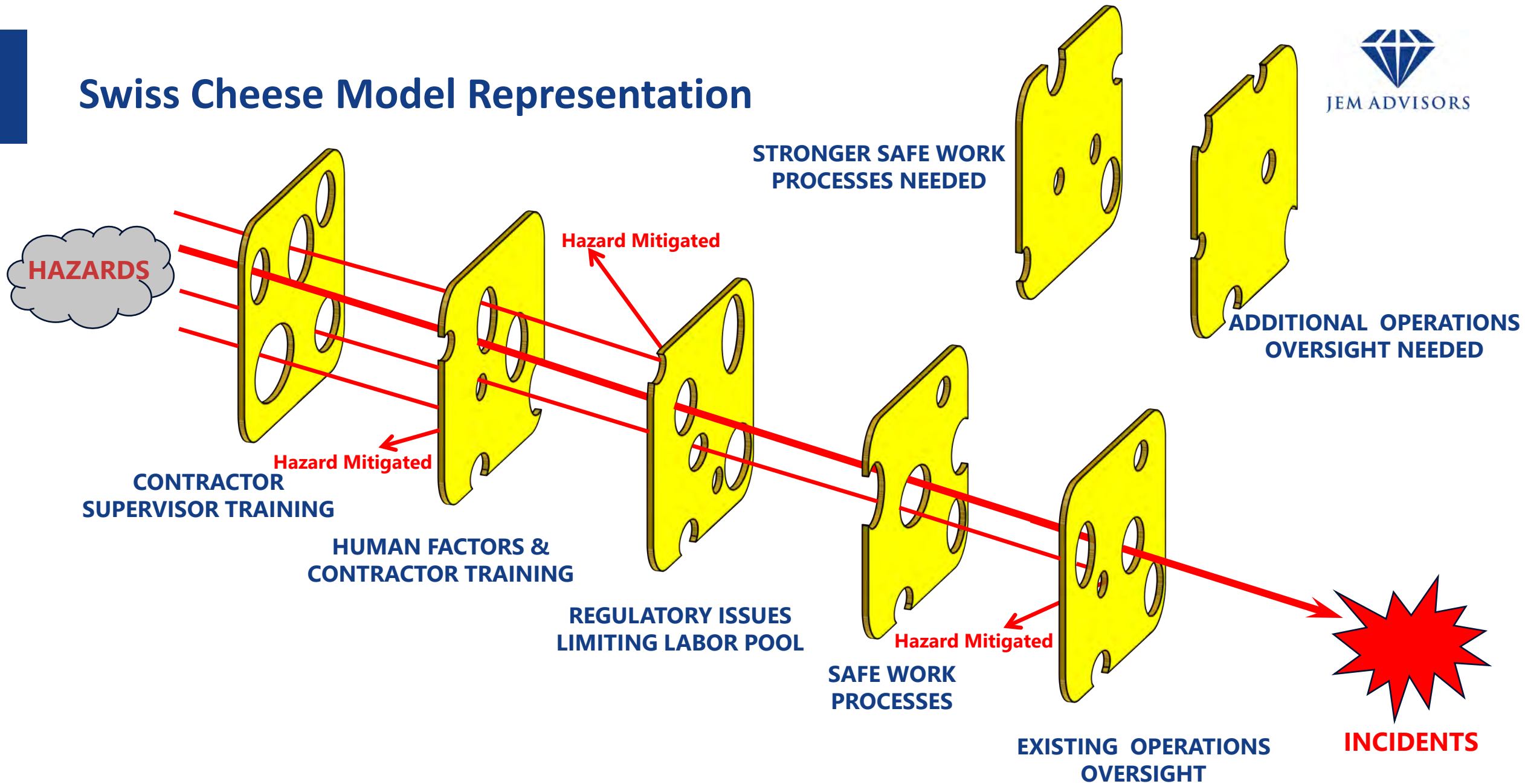
## WATER

Samples taken by Contra Costa Water District and City of Martinez

## Summary

*“TRC does not recommend further soil or surface water sampling based on these results. Nearby soil and surface water do not show adverse effects from the fire.”*

# Swiss Cheese Model Representation



## CCH Next Steps

### Incident Investigation

PBF Root Cause Analysis (RCA) received 06/30/25

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CCH 3<sup>rd</sup> Party Investigation Complete Draft Report issued. 45-Day public Notice period.

### Safety Inspection

CCH Team completed 3/21/25.

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Continued oversight by CCH team until start up.

### Long Term Health Impacts

Public Meeting 6/17/25. 45-Day public notice period

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CCH will continue to receive direction at ISO/CWS meetings.

### Full Facility Audit

CCH will work with a 3<sup>rd</sup> Party Consultant.

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The audit is targeted to be completed in late summer 2025.





[cchealth.org](http://cchealth.org)

GET INVOLVED

- Join our public MRC oversight committee meetings to participate in our public comment process
- Scan the **QR Code** to Sign up for Constant Contact



[www.cchealth.org/hazmat/mrc](http://www.cchealth.org/hazmat/mrc)