



BOARD OF DIRECTORS
Stationary Source Committee
April 8, 2026

COMMITTEE MEMBERS

KEN CARLSON – CHAIR
DIONNE ADAMS
LYNDA HOPKINS
OTTO LEE
RAY MUELLER
STEVE YOUNG

JOHN GIOIA – VICE CHAIR
DAVID HAUBERT
TYRONE JUE
RICO MEDINA
GABE QUINTO

**MEETING LOCATION(S) FOR IN-PERSON ATTENDANCE BY
COUNCIL MEMBERS AND MEMBERS OF THE PUBLIC**

**Bay Area Metro Center
1st Floor Yerba Buena
375 Beale Street
San Francisco, CA 94105**

**Office of Alameda County Supervisor
David Haubert
Scott Haggerty House
4501 Pleasanton Avenue
Pleasanton, CA 94566**

**Santa Rosa Junior College Campus
Doyle Library, Room 148
1501 Mendocino Ave.
Santa Rosa, CA 95401**

**San Mateo County
Board of Supervisors' Office
500 County Center, 5th Floor
Redwood City, CA 94063**

**Office of Contra Costa County
Supervisor John Gioia
Conference Room
11780 San Pablo Ave., Suite D
El Cerrito, CA 94530**

**Best Western Plus Hacienda Hotel Old
Town
Prado Room
4041 Harney Street
San Diego, CA 92110**

THE FOLLOWING STREAMING OPTIONS WILL ALSO BE PROVIDED

These streaming options are provided for convenience only. In the event that streaming connections malfunction for any reason, the Stationary Source Committee reserves the right to conduct the meeting without remote webcast and/or Zoom access.

The public may observe this meeting through the webcast by clicking the link available on the air district's agenda webpage at <https://www.baaqmd.gov/bodagendas>

**Members of the public may participate remotely via Zoom at <https://bayareametro.zoom.us/j/83906924497> or may join Zoom by phone by dialing (669) 900-6833 or (408) 638-0968. The Webinar ID for this meeting is:
839 0692 4497**

PUBLIC COMMENT ON AGENDA ITEMS

The public may comment on each item on the agenda as the item is taken up. Members of the public who wish to speak on a matter on the agenda will have two minutes each to address the Committee on that agenda item, unless a different time limit is established by the Chair. No speaker who has already spoken on an item will be entitled to speak to that item again.

Written public comments can be emailed to comments@baaqmd.gov or through the Air District's website via the "Submit a Comment" feature for this meeting. Written public comments emailed by 10:00 a.m. on the business day prior to this meeting will be provided to the Committee members in advance of the meeting. Written public comments emailed after that deadline will be provided to the Committee members following the meeting's adjournment. Unless directed by the Chair, written public comments will not be read aloud during the meeting.

The Committee welcomes comments, including criticism, about the policies, procedures, programs, or services of the Air District, or of the acts or omissions of the Committee. Speakers shall not use threatening, profane, or abusive language which disrupts, disturbs, or otherwise impedes the orderly conduct of a Committee meeting. The Air District is committed to maintaining a workplace free of unlawful harassment and is mindful that Air District staff regularly attend Committee meetings. Discriminatory statements or conduct that would potentially violate the Fair Employment and Housing Act – i.e., statements or conduct that is hostile, intimidating, oppressive, or abusive – is *per se* disruptive to a meeting and will not be tolerated.

STATIONARY SOURCE COMMITTEE MEETING AGENDA

WEDNESDAY, APRIL 8, 2026

10:00 AM

Chairperson, Ken Carlson

1. **Call to Order - Roll Call**

The Committee Chair shall call the meeting to order and the Clerk of the Boards shall take roll of the Committee members.

2. **Pledge of Allegiance**

CONSENT CALENDAR (Item 3)

3. Approval of the Draft Minutes of the Stationary Source Committee Meeting of February 11, 2026

The Committee will consider approving the Draft Minutes of the Stationary Source Committee meeting of February 11, 2026.

INFORMATIONAL ITEM(S)

4. Change Approach to Air Quality Management: New Clean Air Plan

The Committee will discuss the activities underway to develop a New Clean Air Plan, a commitment of the Air District's Strategic Plan. The New Clean Air Plan will address state and federal air quality standards and air pollution burden disparities through local scale air quality assessment and pollution controls. The Committee will also discuss the need and purpose of the New Clean Air Plan and regional air quality attainment. This item will be presented by Philip M. Fine, Executive Officer, and Alesia Lau, Principal Environmental Planner in the Planning and Climate Protection Division.

5. Overview of Refinery Flaring, Flaring Minimization Efforts and the Development of "Flaring 101"

The Committee will discuss an overview of refinery flaring, an update on flaring minimization efforts, potential concepts for amendments to Air District regulations regarding flaring, and the development of "Flaring 101," a public resource for information on what is a refinery flare and why flaring occurs. This item will be

presented by Katie Gong, Senior Air Quality Specialist Engineer in the Regulatory Development Division.

OTHER BUSINESS

6. Public Comment on Non-Agenda Matters

Pursuant to Government Code Section 54954.3, members of the public who wish to speak on matters not on the agenda will be given an opportunity to address the Committee. Members of the public will have two minutes each to address the Committee, unless a different time limit is established by the Chair. The Committee welcomes comments, including criticism, about the policies, procedures, programs, or services of the Air District, or of the acts or omissions of the Committee. Speakers shall not use threatening, profane, or abusive language which disrupts, disturbs, or otherwise impedes the orderly conduct of a Committee meeting. The Air District is committed to maintaining a workplace free of unlawful harassment and is mindful that Air District staff regularly attend Committee meetings. Discriminatory statements or conduct that would potentially violate the Fair Employment and Housing Act – i.e., statements or conduct that is hostile, intimidating, oppressive, or abusive – is per se disruptive to a meeting and will not be tolerated.

7. Committee Member Comments

Any member of the Committee, or its staff, on their own initiative or in response to questions posed by the public, may: ask a question for clarification, make a brief announcement or report on their own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter or take action to direct staff to place a matter of business on a future agenda. (Gov't Code § 54954.2)

8. Time and Place of Next Meeting

Wednesday, May 13, 2026, at 10:00 a.m. The meeting will be held in-person at the Bay Area Metro Center and at satellite locations as may be specified on the meeting agenda using a remote teleconferencing link. Members of the Stationary Source Committee and the public may attend at any of those in-person locations, and members of the public may also attend virtually via webcast.

9. Adjournment

The Committee meeting shall be adjourned by the Chair.

CONTACT:
MANAGER, EXECUTIVE OPERATIONS
375 BEALE STREET, SAN FRANCISCO, CA 94105
vjohnson@baaqmd.gov

(415) 749-4941
FAX: (415) 928-8560
Air District homepage:
www.baaqmd.gov

- Any writing relating to an open session item on this Agenda that is distributed to all, or a majority of all, members of the body less than 72 hours before the meeting shall be made available at the Air District's offices at 375 Beale Street, Suite 600, San Francisco, CA 94105, at the time such writing is made available to all, or a majority of all, members of that body.

Accessibility and Non-Discrimination Policy

The Bay Area Air District (Air District) does not discriminate on the basis of race, national origin, ethnic group identification, ancestry, religion, age, sex, sexual orientation, gender identity, gender expression, color, genetic information, medical condition, or mental or physical disability, or any other attribute or belief protected by law.

It is the Air District's policy to provide fair and equal access to the benefits of a program or activity administered by Air District. The Air District will not tolerate discrimination against any person(s) seeking to participate in, or receive the benefits of, any program or activity offered or conducted by the Air District. Members of the public who believe they or others were unlawfully denied full and equal access to an Air District program or activity may file a discrimination complaint under this policy. This non-discrimination policy also applies to other people or entities affiliated with Air District, including contractors or grantees that the Air District utilizes to provide benefits and services to members of the public.

Auxiliary aids and services including, for example, qualified interpreters and/or listening devices, to individuals who are deaf or hard of hearing, and to other individuals as necessary to ensure effective communication or an equal opportunity to participate fully in the benefits, activities, programs and services will be provided by the Air District in a timely manner and in such a way as to protect the privacy and independence of the individual. Please contact the Non-Discrimination Coordinator identified below at least three days in advance of a meeting so that arrangements can be made accordingly.

If you believe discrimination has occurred with respect to an Air District program or activity, you may contact the Non-Discrimination Coordinator identified below or visit our website at www.baaqmd.gov/accessibility to learn how and where to file a complaint of discrimination.

Questions regarding this Policy should be directed to the Air District's Non-Discrimination Coordinator, Kimberly Leefatt, Civil Rights Officer at 415-749-4610 or by email at non-discriminationcoordinator@baaqmd.gov.

BAY AREA AIR DISTRICT
375 BEALE STREET, SAN FRANCISCO, CA 94105
FOR QUESTIONS PLEASE CALL (415) 749-4941

EXECUTIVE OFFICE:
MONTHLY CALENDAR OF AIR DISTRICT MEETINGS

APRIL 2026

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Meeting	Wednesday	1	10:00 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee	Wednesday	8	10:00 a.m.	1 st Floor, Yerba Buena Room
Board of Directors Community Equity, Health, and Justice Committee	Wednesday	8	1:00 p.m.	1 st Floor, Yerba Buena Room
Board of Directors Policy, Grants and Technology Committee	Wednesday	15	10:00 a.m.	1 st Floor Board Room
Board of Directors Finance and Administration Committee	Wednesday	15	1:00 p.m.	1 st Floor Board Room
Board of Directors Special Budget Hearing	Wednesday	29	10:00 a.m.	1 st Floor Board Room
Board of Directors Special Meeting	Wednesday	29	11:00 a.m.	1 st Floor Board Room

MAY 2026

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Advisory Council Meeting	Monday	4	9:00 a.m.	1 st Floor Board Room
Board of Directors Meeting	Wednesday	6	10:00 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee	Wednesday	13	10:00 a.m.	1 st Floor, Yerba Buena Room
Board of Directors Community Equity, Health, and Justice Committee	Wednesday	13	1:00 p.m.	1 st Floor, Yerba Buena Room
Board of Directors Policy, Grants and Technology Committee	Wednesday	20	10:00 a.m.	1 st Floor Board Room
Board of Directors Finance and Administration Committee	Wednesday	20	1:00 p.m.	1 st Floor Board Room

MAY 2026 (cont'd)

Community Advisory Council Meeting

Thursday

21

6:00 p.m.

1st Floor Board Room

JUNE 2026

TYPE OF MEETING

DAY

DATE

TIME

ROOM

Board of Directors Meeting

Wednesday

3

10:00 a.m.

1st Floor Board Room

Board of Directors Stationary Source Committee

Wednesday

10

10:00 a.m.

1st Floor, Yerba Buena Room

Board of Directors Community Equity, Health, and Justice Committee

Wednesday

10

1:00 p.m.

1st Floor, Yerba Buena Room

Advisory Council Meeting

Monday

15

9:00 a.m.

1st Floor Board Room

Board of Directors Policy, Grants and Technology Committee

Wednesday

17

10:00 a.m.

1st Floor Board Room

Board of Directors Finance and Administration Committee

Wednesday

17

1:00 p.m.

1st Floor Board Room

MV 4/2/26 – 2:02 p.m.

G/Board/Executive Office/Moncal

BAY AREA AIR DISTRICT
Memorandum

To: Chairperson Ken Carlson and Members
of the Stationary Source Committee

From: Philip M. Fine
Executive Officer/APCO

Date: April 8, 2026

Re: Approval of the Draft Minutes of the Stationary Source Committee Meeting of
February 11, 2026

RECOMMENDED ACTION

Approve the Draft Minutes of the Stationary Source Committee Meeting of February 11, 2026.

BACKGROUND

None.

DISCUSSION

Attached for your review and approval are the Draft Minutes of the Stationary Source Committee Meeting of February 11, 2026.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Philip M. Fine
Executive Officer/APCO

Prepared by: Marcy Hiratzka
Reviewed by: Vanessa Johnson

ATTACHMENT(S):

1. Draft Minutes of the Stationary Source Committee Meeting of February 11, 2026

Bay Area Air District
375 Beale Steet, Suite 600
San Francisco, CA 94105

Stationary Source Committee Meeting
Wednesday, February 11, 2026

DRAFT MINUTES

This meeting was webcast, and a video recording is available on the website of the Bay Area Air District at www.baaqmd.gov/bodagendas

CALL TO ORDER

1. **Opening Comments:** Stationary Source Committee (Committee) Chairperson, Ken Carlson, called the meeting to order at 10:00 a.m.

Roll Call:

Present, In-Person (Bay Area Metro Center, 1st Floor Yerba Buena Room, 375 Beale Street, San Francisco, CA 94105): Chairperson Ken Carlson; and Director Tyrone Jue.

Present, In-Person Satellite Location: (Office of Contra Costa County Supervisor John Gioia Conference Room 11780 San Pablo Ave., Suite D El Cerrito, CA 94530): Directors Gabe Quinto and Steve Young.

Present, In-Person Satellite Location: (San Mateo County Board of Supervisors' Office, 5th Floor, 500 County Center, Redwood City, CA 94063): Director Ray Mueller.

Present, In-Person Satellite Location: (City of San Bruno, 567 El Camino Real, Room 138, San Bruno, CA 94066): Director Rico E. Medina.

Present, In-Person Satellite Location: (Pittsburg City Hall, 65 Civic Ave., Room, 301A, Pittsburg, CA 94565): Director Dionne Adams.

Present, In-Person Satellite Location: (Office of Santa Clara County, 70 W. Hedding St, 10th Floor Conference Room, San Jose, CA 95110): Director Otto Lee.

Present, In-Person Satellite Location: (Office of Alameda County Supervisor David Haubert, Scott Haggerty House, 4501, Pleasanton Avenue, Pleasanton, CA 94566): Director David Haubert.

Absent: Vice Chairperson John Gioia; and Director Hopkins.

2. **PLEDGE OF ALLEGIANCE**

CONSENT CALENDAR

3. APPROVAL OF THE DRAFT MINUTES OF THE STATIONARY SOURCE COMMITTEE MEETING OF DECEMBER 10, 2025

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Director Haubert made a motion, seconded by Director Lee, to **approve** the Draft Minutes of the Stationary Source Committee meeting of December 10, 2025; and the motion **carried** by the following vote of the Committee:

AYES: Adams, Carlson, Haubert, Jue, Lee, Medina, Quinto, Young.
NOES: None.
ABSTAIN: None.
ABSENT: Gioia, Hopkins, Mueller.

INFORMATIONAL ITEMS

4. UPDATE ON REGULATION 9, RULE 6 - OPTIONS FOR DEFINING LOW-INCOME QUALIFIED FOR AFFORDABILITY AMENDMENTS

Amy Dao, Acting Advanced Projects Advisor, gave the staff presentation *Rule 9-6: Options for Defining Low-Income Qualified for Affordability Amendments*, including: outline; building nitrogen oxides (NOx) emissions overview; health benefits overview; upcoming implementation timelines; overview of Draft Flexibility Concept Paper; low-income definitions; income thresholds for 2, 3, and 4-person households; number of owner-occupied households by 4-person household income thresholds; housing cost burden in the Bay Area; incremental costs and available incentives; incremental costs and incentives need; incentives; February 2026 updated flexibility concepts OPTION A: Income-Qualified Property Owners, and OPTION B: Income-Qualified Property Owners; potential exemptions expected from proposed income-qualified property owners concept; considerations for discussion; and additional steps.

NOTED PRESENT: Director Mueller was noted present at 10:07 a.m.

Public Comments

Public comments were given by Mark Williams Jr., Environmental Justice League (ELJ); Kerry O'Banion; Owen Grimsich, 1-888-HEAT-PUPMS; Chris Fe' Ao, 1-888-HEAT-PUMPS; Jed Holtzman; Gerard Manning, Burlingame resident; Nancy Haber, San Francisco resident;

Wendy Chou, Acterra; John McKenna, Menlo Park resident; Fernando Gaytan, Earthjustice; Colleen Corrigan, Oakland resident; Sara Greenwald, San Francisco resident; Dohee K., Local Clean Energy Alliance; Olga Mandrussow; Tony Sirna, Evergreen Action; Daphney Saviotti-Orozco, San Francisco Bay Physicians for Social Responsibility; Julie Lindow, San Francisco Bay Physicians for Social Responsibility; <name inaudible>, Sierra Club; Melissa Yu, San Francisco resident; David Stark, Bay East Association of Realtors; Michael Corbett, Bradford White; Dash Leeds, Sierra Club; Randy Breunling, San Jose resident; Patrick Messac; Kristel Wickham; Angela Evans, Menlo Spark; Dr. Claire Broome, 350 Bay Area; Bruce Hodge, Carbon Free Palo Alto; Kathy Kerridge, Benicia resident; Jan Warren, Interfaith Climate Action Network of Contra Costa County; Lisa Badenfort, North Bay Association of Realtors; Joel Ervice, Regional Asthma Management & Prevention; David Moller, Marin Electrification Council; Mani Bekele, Silicon Valley Youth Climate Action; Mars Keith, Sierra Club; Tom Kunhardt; Dr. Jean Woo; Rebecca Franke; Brian Schmidt, Menlo Spark; Jocelyn Anaya Galvan, Menlo Spark; Meron Lemmi, Rocky Mountain Institute; Robert Mayo, Mountain View resident; Jonny Kocher, Oakland resident; Connie Miller, Santa Clara County resident; Ananda Sweet, Santa Rosa Metro Chamber of Commerce; Sven Thesen, National Charging Access Coalition; Mary Dateo, Mountain View resident; Tom Kabat, Menlo Park resident; Fernando Pena, San Mateo County Association of REALTORS; Joanna Falla, Palo Alto resident; Dennis Murphy, Acterra; Carlene Cullen, Cool the Earth; and Hon. Igor Tregub, City of Berkeley.

Committee Comments

The Committee and Air District staff discussed the Air District’s definition of “incremental costs”, and whether that includes upgrading electrical panels; the suggestion of considering exemptions based on the costs of projects only; the belief that the Air District’s estimated incremental costs for compliant heat pump water heaters are not representative, and the request for the Air District’s calculations that resulted in the estimated incremental costs; the anticipated number of Bay Area households that would qualify for low-income qualified exemptions; concerns or desires for pre-emptive self-attestations for exemption, prior to appliance failure, in order to speed up the exemption and purchase process; concerns that the Air District does not have adequate funds to provide the incentives needed, and the concern that the public will perceive that the Air District is now reneging on absorbing the costs for low-income households; targeted outreach in low-income areas of the Bay Area, and whether there are reactions from low-income communities; the fact that area median income levels vary by jurisdiction, and whether to consider Federal Poverty levels instead; the concern that providing exemptions for low-income households would be inconsistent with the broader goals for advancing environmental quality and public health in disadvantaged communities (reinforce existing inequities and prolong exposure to unhealthy air quality); concerns with Option A (the desire for a low-friction process), and what guard rails would be needed to successfully implement Option B; concerns about data validity and misinterpreting costs; the desire for the Board to consider this issue prior to May 2026; whether polling the general public would be a valuable use of money and time, as it could potentially affect Board action (delaying implementation); whether the original implementation schedule should remain in place, or be delayed; and the desire for datasets regarding incentive gaps.

Committee Action

No action taken.

5. UPDATE ON POLICY DEVELOPMENT FOR SOCIOECONOMIC ANALYSES IN AIR DISTRICT RULEMAKING

Leonid Bak, Economist/Senior Advanced Projects Advisor, gave the staff presentation *Update on Policy Development for Socioeconomic Analyses in Air District Rulemaking*, including: background and purpose; areas and topics of alignment; areas and topics for further discussion; and next steps.

Public Comments

Public comments were given by Tim Sbranti, Contra Costa Building and Construction Trades Council; Mark Williams Jr., EJL; Randy Breunling, San Jose resident; and Jed Holtzman.

Committee Comments

The Committee and Air District staff discussed how the Air District plans to continue to work with the building trades and EJ activists on this policy; whether the Air District plans to include an analysis of impacts by income and ethnicity; the anticipated timeline of policy adoption and implementation; whether there are pre-defined methodologies that already exist; and examples of (any) air district regulations that have resulted in gender-differentiated impacts.

NOTED PRESENT: Director Gioia was noted present at 12:50 p.m.

Committee Action

No action taken.

OTHER BUSINESS

6. PUBLIC COMMENT ON NON-AGENDA MATTERS

Public comments were given by Katrina Tomas, Earthjustice; and Colleen Fitzgerald, Earthjustice.

7. COMMITTEE MEMBER COMMENTS

None.

8. TIME AND PLACE OF NEXT MEETING

At the end of the meeting, the next meeting of the Stationary Source Committee was scheduled for Wednesday, March 11, 2026. After the meeting adjourned, the next meeting was scheduled for Wednesday, April 8, 2026, at 10:00 a.m. The meeting will be held in-person at the Bay Area Metro Center and at satellite locations as may be specified on the meeting

agenda using a remote teleconferencing link. Members of the Stationary Source Committee and the public may attend at any of those in-person locations, and members of the public may also attend virtually via webcast.

9. **ADJOURNMENT**

The meeting was adjourned at 1:02 p.m.

Marcy Hirtzka
Clerk of the Board

BAY AREA AIR DISTRICT
Memorandum

To: Chairperson Ken Carlson and Members
of the Stationary Source Committee

From: Philip M. Fine
Executive Officer/APCO

Date: April 8, 2026

Re: Change Approach to Air Quality Management: New Clean Air Plan

RECOMMENDED ACTION

None; the Committee will discuss this item, but no action is requested at this time.

BACKGROUND

While regional air quality planning has improved regional air quality overall, these efforts have not adequately addressed localized and short-duration impacts. This leaves many communities, primarily lower-income communities of color, exposed to disproportionately high levels of air pollution. Assembly Bill 617 has helped address local exposure and health risk in four designated communities: West Oakland, East Oakland, Richmond-North Richmond-San Pablo, and Bayview Hunters Point/Southeast San Francisco, but more is needed in communities that bear the greatest burden of air pollution across the region. The New Clean Air Plan will help maintain and improve regional ambient air quality, reduce regionwide and localized negative health outcomes while also addressing disparate local air pollution burdens.

State and Federal Clean Air Act

Traditional air quality planning has focused on meeting state and federal ambient air quality standards. The California Air Resources Board (CARB) and United States Environmental Protection Agency (US EPA) set state and federal ambient air quality standards respectively to protect public health. When a region fails to meet these standards, air districts must develop plans to demonstrate attainment of these standards. The San Francisco Bay Air Basin (Air Basin) is currently designated nonattainment for particulate matter (PM₁₀) and nonattainment-transitional for ozone (California Health and Safety Code HSC 40925.5) respectively under the California Clean Air Act. Nonattainment-transitional designations include areas that do not fully meet the ozone standard but are close to attaining.

Additionally, PM_{2.5} levels in the air basin are slightly above the revised 2024 federal annual PM_{2.5} National Ambient Air Quality Standards (NAAQS) of 9 micrograms per cubic meter of air. Should the revised primary annual PM_{2.5} NAAQS remain in effect and US EPA designates the region as nonattainment, the Air District will be responsible for developing a federally approvable State Implementation Plan (SIP) to demonstrate the Air Basin can attain the standard by a specific date.

The Air District meets state planning requirements by developing Clean Air Plans. The most recent Clean Air Plan was developed and submitted to CARB in 2017. The Air District meets federal planning requirements by developing a Nonattainment SIP. The most recent SIP was developed and submitted to US EPA in 2001 for the ozone 1-hour standard.

Air District Strategic Plan

The Air District's *2024-2029 Strategic Plan* was adopted by the Board of Directors on September 4, 2024. The Strategic Plan charts the Air District's priorities over the next five years. One such priority is Strategy 1.1 Change Approach to Air Quality Management, which continues the Air District's approach to regional air quality improvements, and further improves emissions reductions in communities overburdened by air pollution.

New Clean Air Plan

The New Clean Air Plan will help meet Air District commitments under Strategy 1.1 Change Approach to Air Quality Management while serving to address state and federal planning requirements. The plan will evaluate and propose control measures for regional air pollutants including ozone, fine particulate matter (PM_{2.5}), and toxic air contaminants (TAC), but will additionally focus on local sources of local particulate matter and TACs that are of great concern to communities due to the health risk and the proximity of these sources to overburdened communities.

DISCUSSION

The New Clean Air Plan will be a comprehensive plan using a combination of new and traditional approaches to develop emission reduction control measures to improve local and regional air quality and health aligned with the goals of the Strategic Plan. The New Clean Air Plan aims to include sources of concern identified by communities, ensure the region attains and maintains ambient air quality standards, and prioritizes reductions most beneficial to communities overburdened by air pollution.

The New Clean Air Plan will include a technically strong foundation of emissions, air quality and health data information and analyses. The foundational work will guide local scale air quality assessment and pollution controls that integrates research, identifies key pollution sources, assesses potential air pollution related health impacts, exposure disparities, and cumulative impacts to inform and prioritize control measures.

The New Clean Air Plan will include robust engagement and communications centered on environmental justice best practices. The plan will address state and federal requirements for public input and disclosure requirements (California Environmental Quality Act [CEQA], Civil Rights Act, etc.). The plan will use outreach to build new relationships where there are gaps in Air District's understanding of regional and local air pollution concerns. The plan will also strengthen community-based organizations and community member capacity to engage deeply with air quality issues and will provide opportunities for community and stakeholder feedback during the development of control measures.

Air District staff will complete internal scoping on the technical analyses and on engagement and communications activities for the New Clean Air Plan in spring 2026. Stakeholder engagement and communications will begin in fall 2026. The technical analyses will be completed, and control measures will be developed with stakeholder input by fall 2027, followed by initiation of CEQA environmental review in winter 2027. The New Clean Air Plan is expected to be presented to the Board of Directors for consideration by the end of 2028.

Air District staff will update this Committee and the Board of Directors throughout the development of the New Clean Air Plan.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Philip M. Fine
Executive Officer/APCO

Prepared by: Alesia Lau
Reviewed by: Mark Tang, Wendy Goodfriend, and Gregory Nudd

ATTACHMENT(S):

1. Change Approach to Air Quality Management: New Clean Air Plan Presentation



Change Approach to Air Quality Management: New Clean Air Plan

Stationary Source Committee

April 8, 2026

Philip M. Fine, Executive Officer

**Alesia Lau, Principal Environmental Planner,
Planning and Climate Protection Division**

Abbreviations

PM_{2.5}: Fine Particulate Matter

PM: Particulate Matter

O₃: Ozone

TAC: Toxic Air Contaminant

NO_x: Nitrogen Oxides

ROG: Reactive Organic Gases

VOC: Volatile Organic Compounds

NAAQS: National Ambient Air Quality Standards

US EPA: United States Environmental Protection Agency

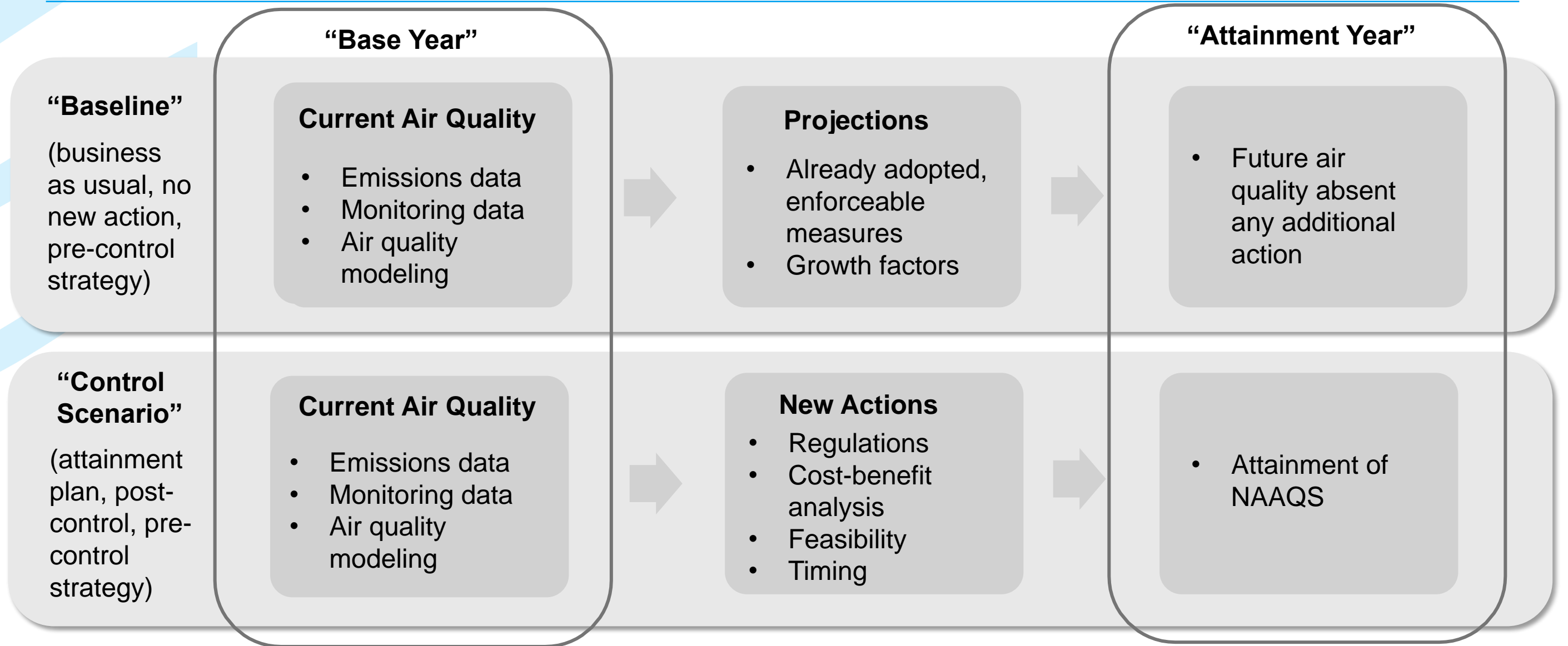
SIP: State Implementation Plan

What is a Clean Air Plan?

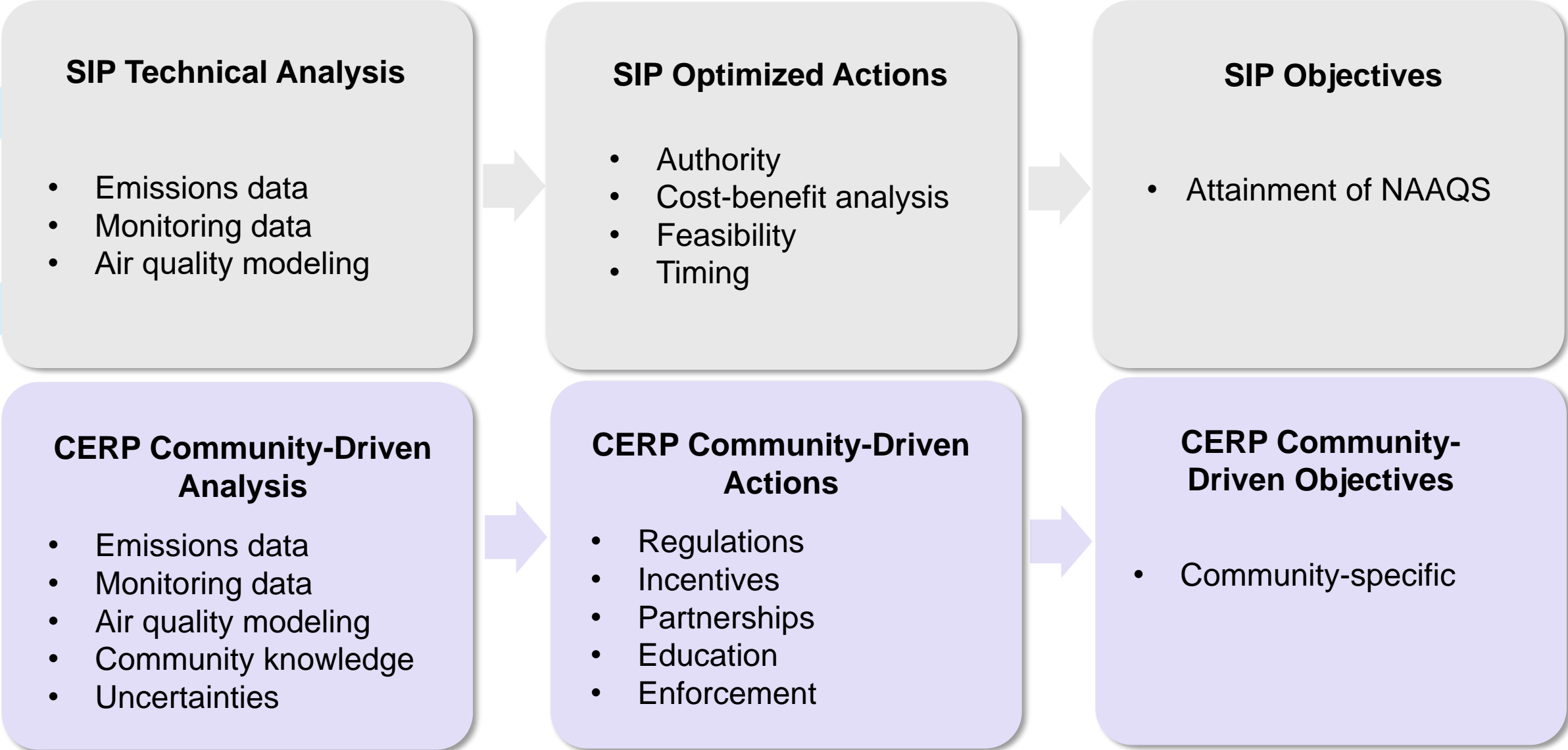
- A clean air plan uses **technical analysis** to identify a set of **optimized actions** to achieve clean air **objectives**
- Traditional air quality planning is driven by federal Clean Air Act requirements through a State Implementation Plan (SIP)



Traditional SIP



SIP vs. Community Emissions Reduction Plan



New Approach to Regional Clean Air Planning

Technical Analysis

- Emissions data
- Monitoring data
- Air quality modeling
- **Community knowledge**
- **Acknowledge uncertainties**
- **Focus on air toxics and localized impacts**
- **BREATHE study**
- **Cumulative Impacts**



Optimized Actions

- Regulations
- Cost-benefit analysis
- **Incentives**
- **Partnerships**
- **Education**
- **Enforcement**
- **New research**



Objectives

- Attainment of NAAQS
- **Reduce regionwide and localized negative health outcomes**
- **Reduce disparities in negative health outcomes**
- **Maximize climate co-benefits**

2017 Clean Air Plan



Air District's 2017 Clean Air Plan: Spare the Air, Cool the Climate

- A multi-pollutant plan that focused on:
 - PM_{2.5} and O₃ reductions in the region
 - Air toxics reductions in impacted communities
 - Greenhouse gases reductions to meet long-range targets
- Substantial implementation progress has been made since 2017
- Lessons learned: future plans should set clear and measurable success metrics; focus where Air District authority is strongest; and strategically set priorities with equity guiding decisions

Strategic Plan Commitment – New Clean Air Plan

Strategy 1.1 Change Approach to Air Quality

- Guides the New Clean Air Plan
- Traditional air quality planning approach has primarily focused on addressing state and federal air quality standards – however, this is not the whole story
- In the Bay Area, while regional air quality has been improving, there remain disparities in local exposures and health risks

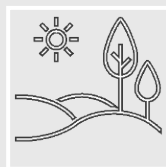


Air District's 2024-2029 Strategic Plan

Overview of the New Clean Air Plan



Continue to address PM_{2.5}, O₃, and TAC



Continue to address state and federal air quality standards



Improve assessment of community-scale air quality and advance environmental justice best practices **(New)**

Overview of the New Clean Air Plan (cont.)

- In addition to reducing exposures overall, focus on reducing disparities in negative health outcomes among communities disproportionately burdened by higher exposure to PM_{2.5} and TACs
- Address local sources of community concern, such as facilities that generate dust, backup generators, and businesses that attract frequent truck traffic



A material handling facility and a construction site.

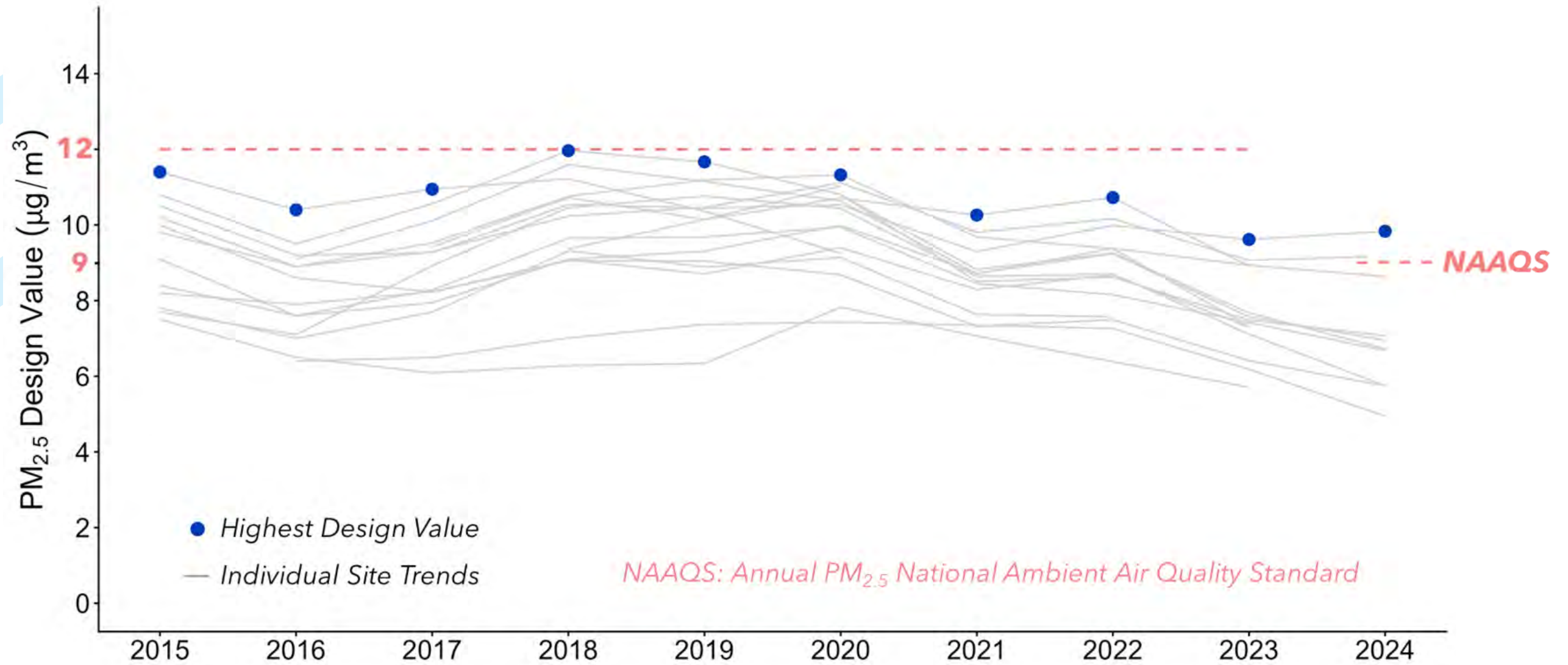
Current Air Quality (Ambient Monitoring)



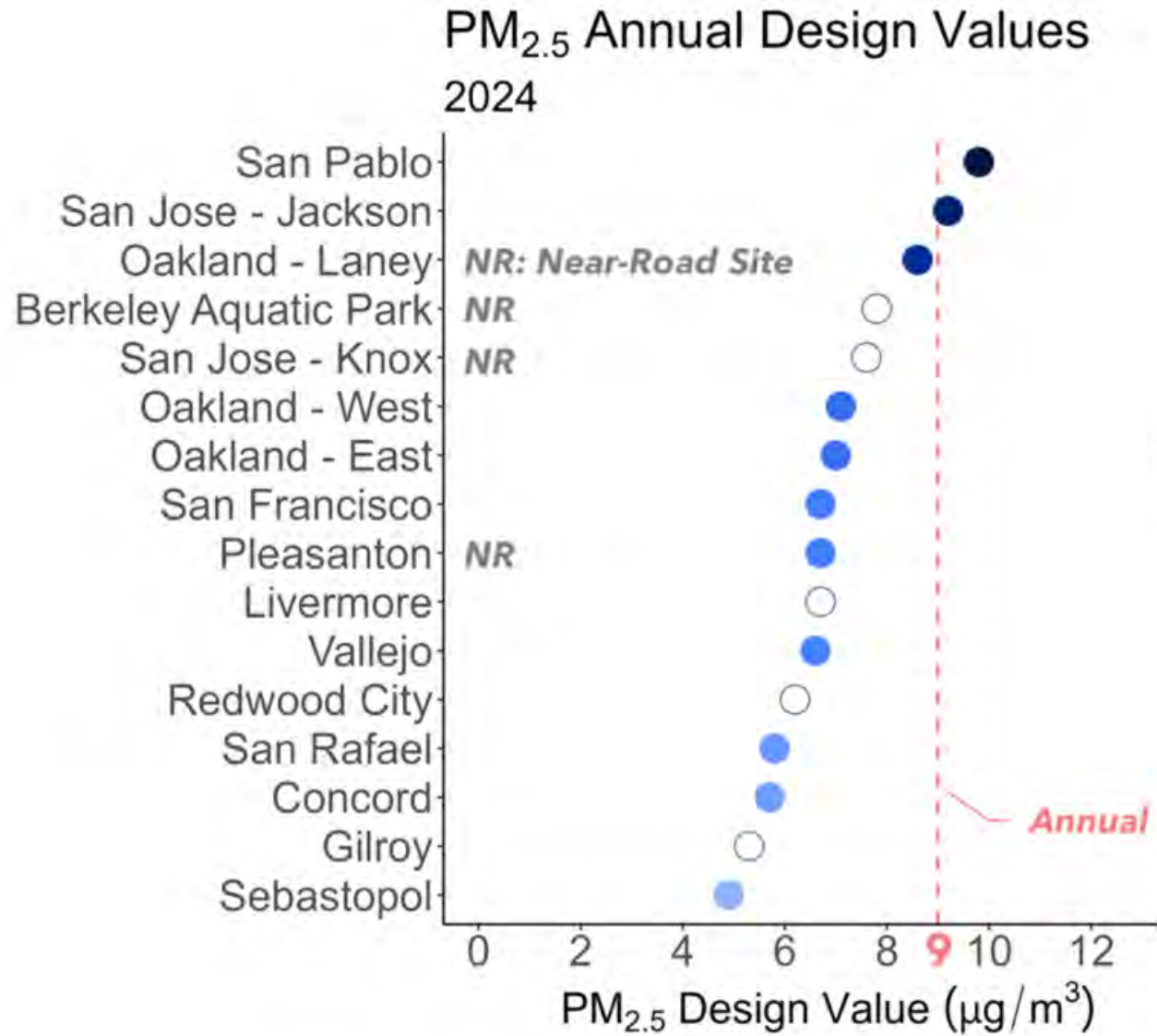
Air Quality Summary

- After years of progress, annual PM_{2.5} and ozone levels were at or below state and federal standards - but annual PM_{2.5} levels are slightly above the more stringent 2024 revised federal standard
- Population growth and climate change continue to drive the need for continued emissions reductions just to maintain current levels
- Striving for reductions below current standards is supported by evidence demonstrating health benefits of additional air quality improvements
- Shorter-duration impacts from near-source emissions of PM are not captured by either state or federal standards

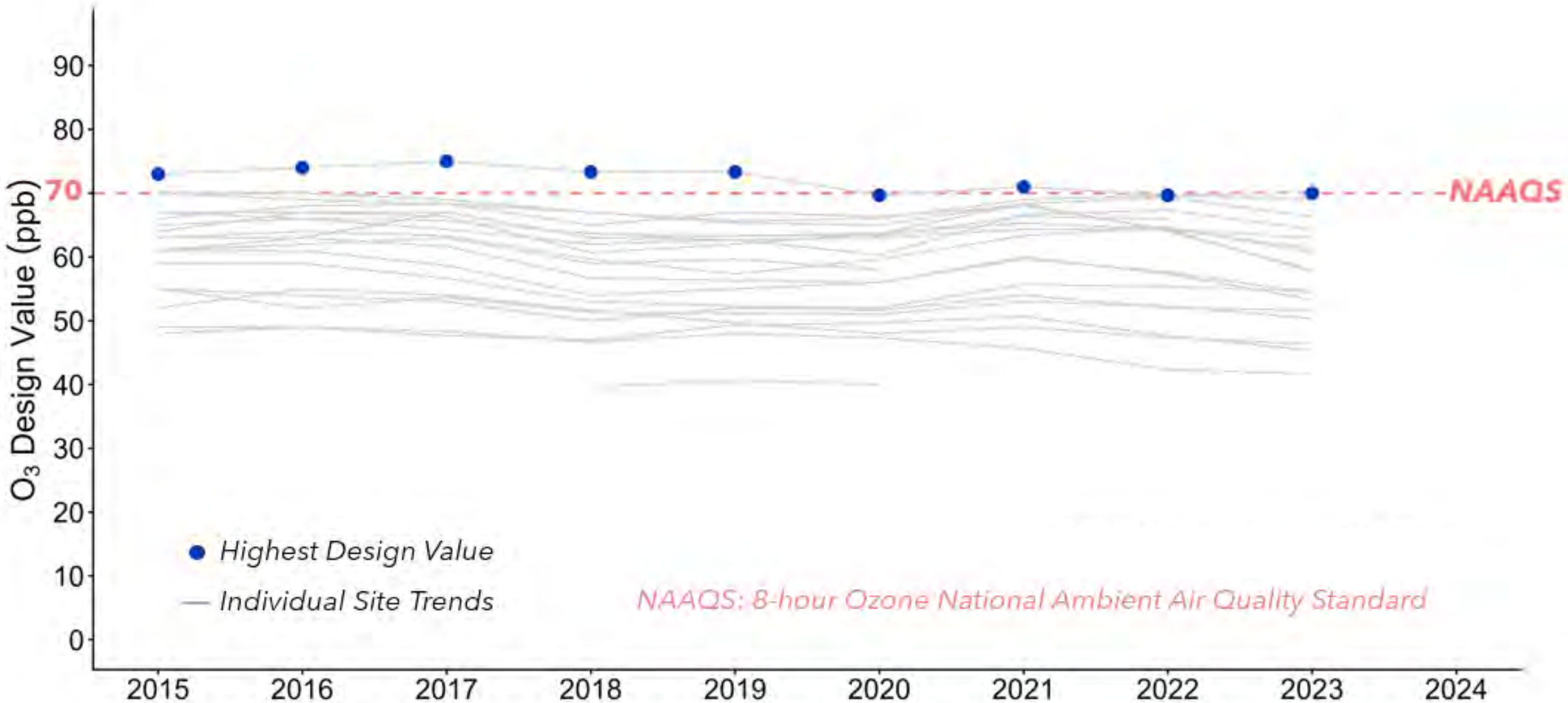
Annual Average PM_{2.5} Trends



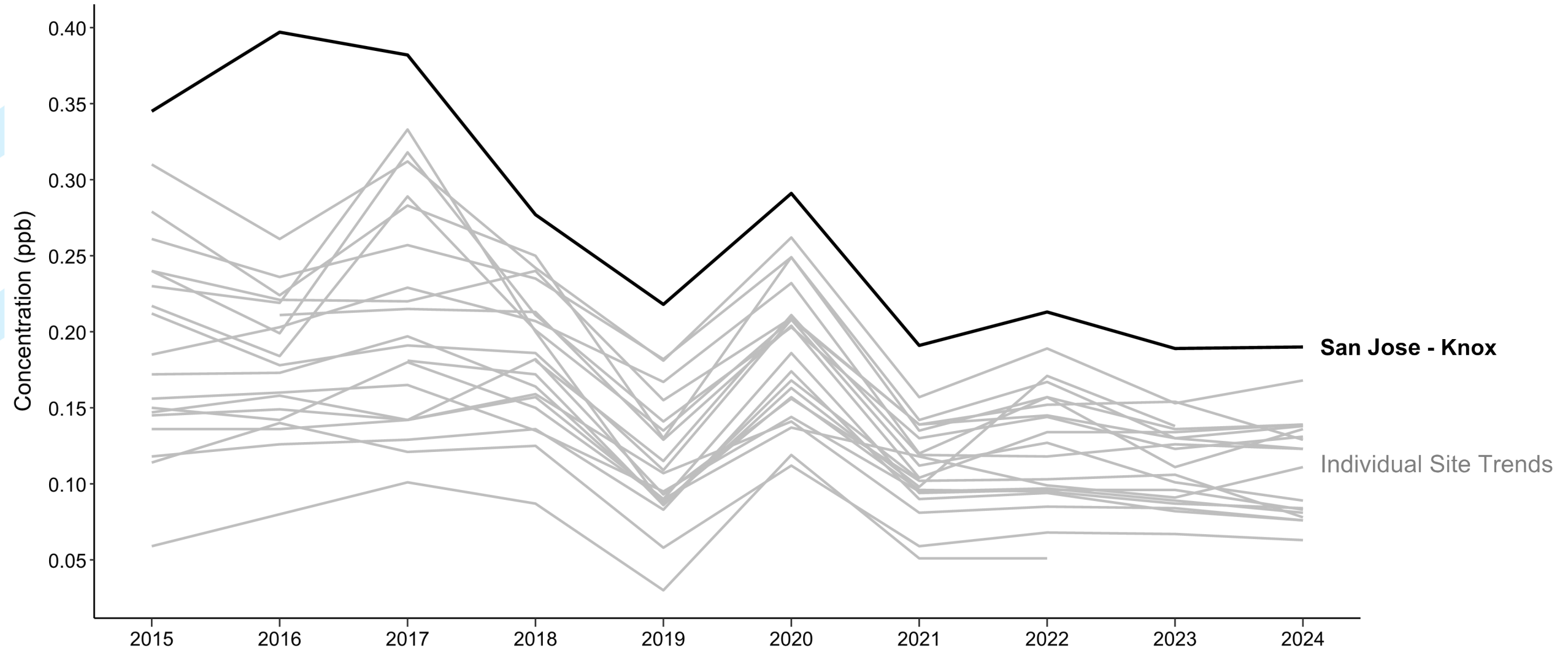
Disparities in Annual Average PM_{2.5}



8-Hour Ozone Trends



Annual Average Benzene Trends

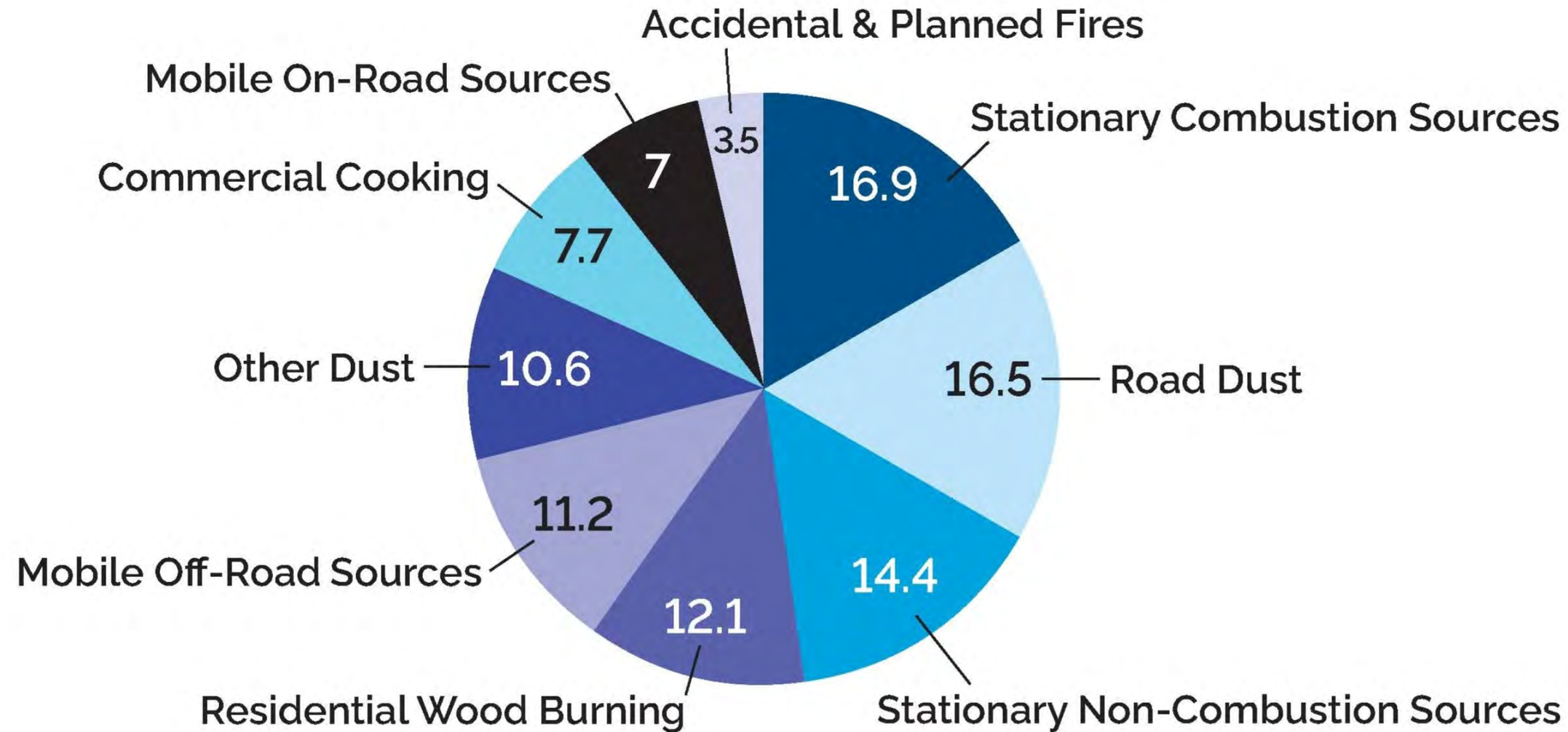


Regional Emissions Overview (Emissions Inventory)

Regional Emissions Summary

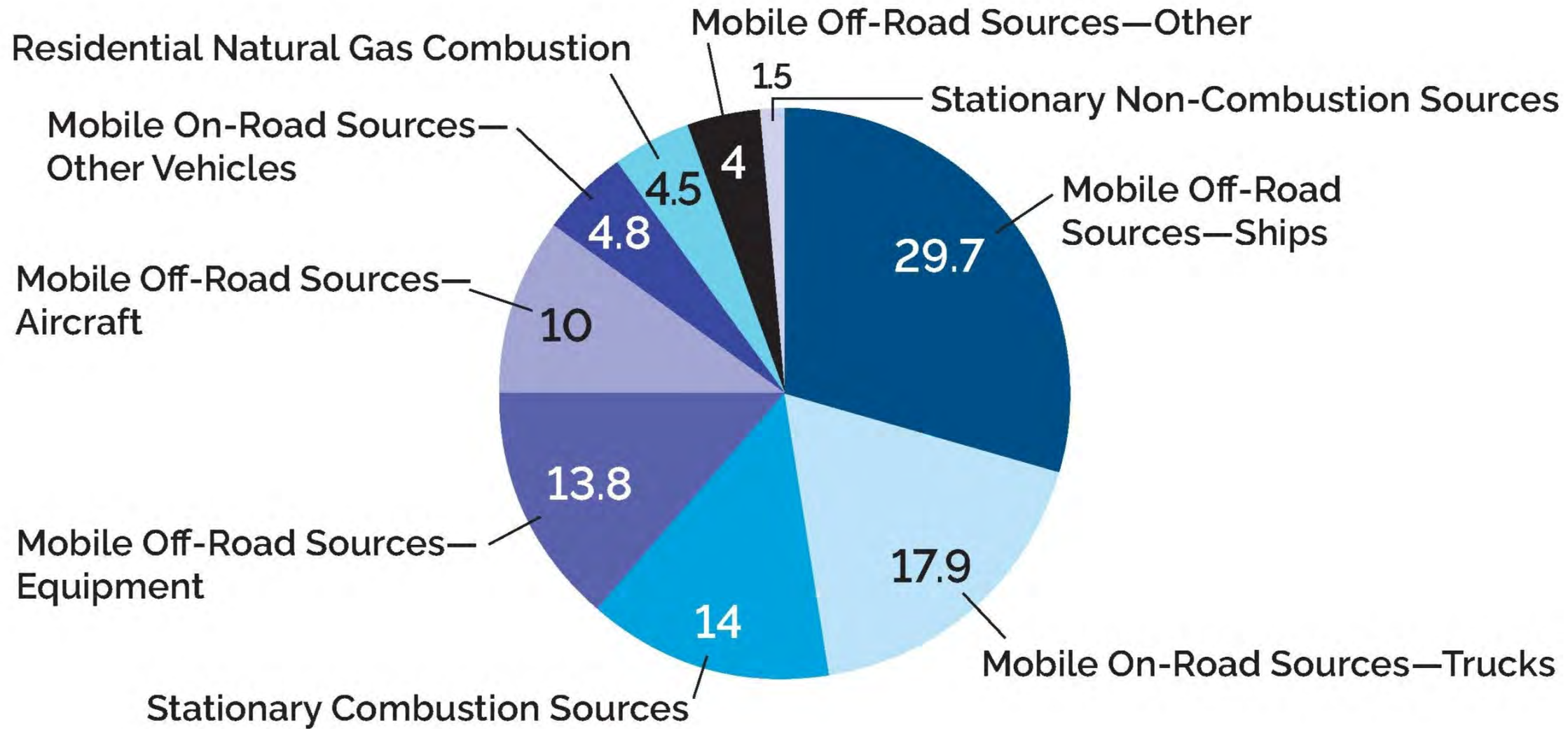
- Major emission sources vary for different pollutants
- **PM_{2.5} key sources of concern** are dust and residential wood burning
- **Ozone precursors** - NO_x and ROG (also known as volatile organic compounds, VOC)
 - **NO_x key sources of concern** are combustion sources
 - **ROG key sources of concern** are evaporative sources
 - Largest contributor to ozone is mobile sources

Regional Emission Sources of PM_{2.5}



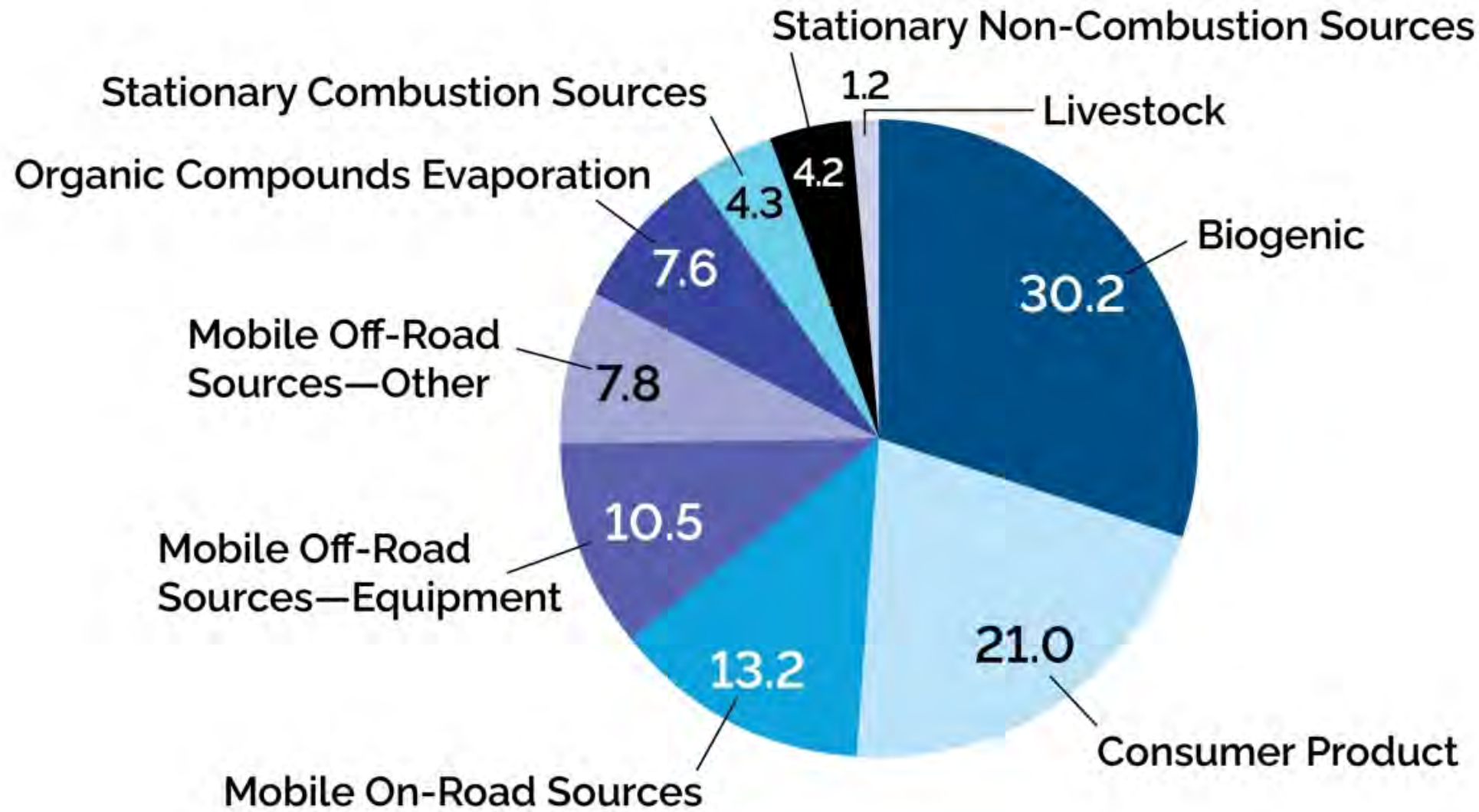
Values shown as percentages

Regional Emission Sources of NO_x



Values shown as percentages

Regional Emission Sources of ROG



Values shown as percentages

Toxic Air Contaminants Overview



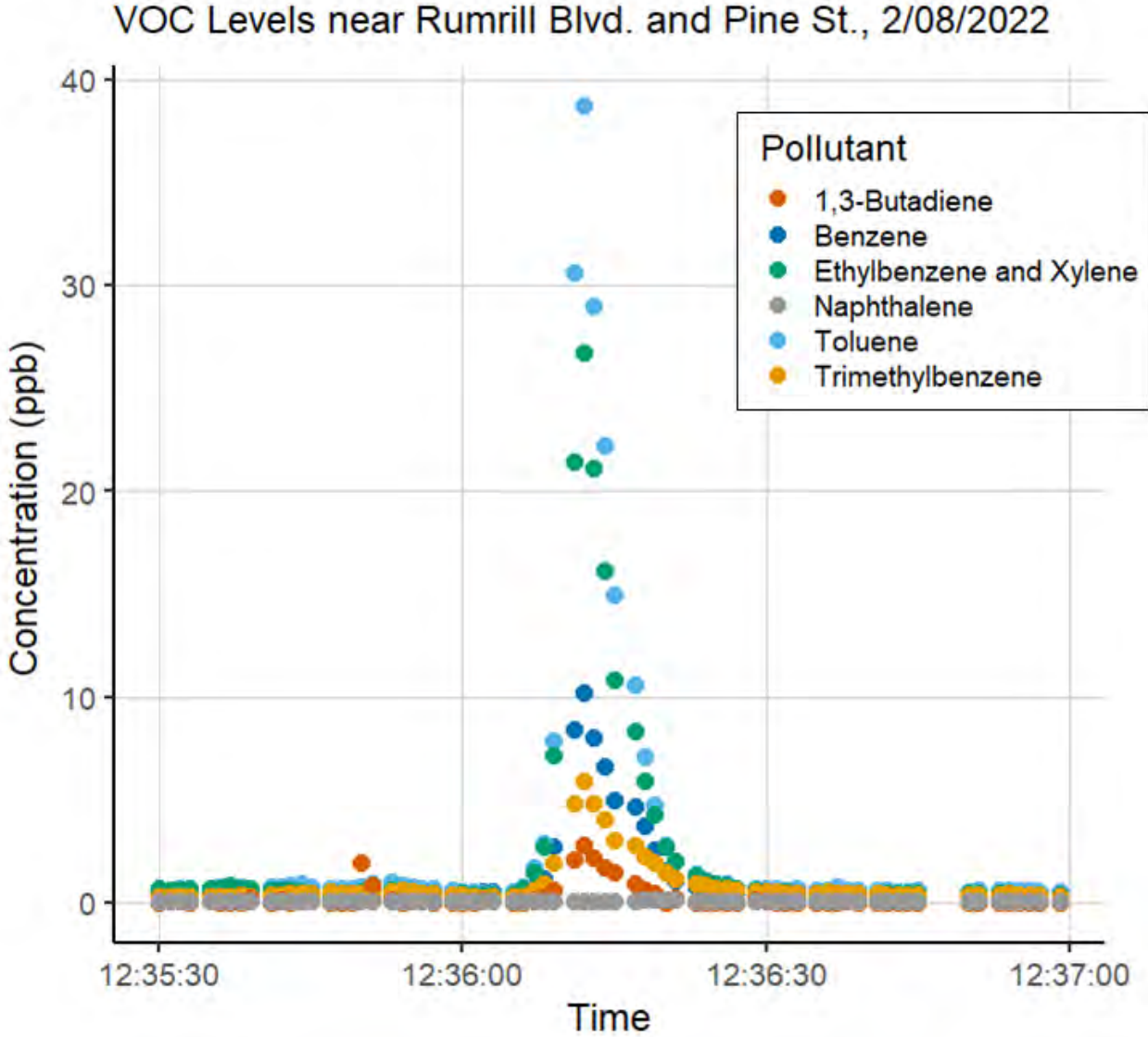
Toxic Air Contaminants (TACs)

- California Air Resources Board has identified over 200 air pollutants that cause cancer or other serious health effects as TACs
- TACs include VOCs, particulate metals, and diesel particulate matter
- TACs are emitted by stationary, mobile, and natural sources
- Processes that emit TACs include burning fuel, evaporating fuel or solvents, or other industrial operations
- Many TACs are short-lived, leading to localized higher levels near sources compared to farther away, which contributes to local disparities

Characterizing Exposure to TACs

- Air District has historically measured region-wide trends of VOC and PM_{2.5} metals across multiple Bay Area locations
- Recently, staff conducted mobile monitoring of air toxics in overburdened communities to better understand the potential impact of local sources
- Moving forward, staff will:
 - Expand our community air monitoring investigations
 - Conduct multi-pollutant air monitoring in communities near refineries
 - Develop and implement the Bay Area Regional Evaluation of Air Toxics and Health Effects (BaREATHE) study

Localized Benzene Impacts



Federal Particulate Matter Planning



Status of the Primary Annual PM_{2.5} NAAQS

- Primary Annual PM_{2.5} NAAQS was revised from 12 µg/m³ to 9.0 µg/m³ effective May 6, 2024
- State recommendations for area designations were submitted to the US EPA on January 28, 2025
- **Expected Actions:**
 - Clean Air Act Section 107(d)(1)(B) required US EPA to issue designations by February 7, 2026
 - To date, US EPA has not made any designations
 - Without a designation, there is no deadline to submit a Nonattainment SIP

Federal Administration Actions

- US EPA announced intent to reconsider the Primary Annual PM_{2.5} NAAQS (Rule, March 6, 2024) on March 12, 2025
- US EPA Motion to Vacate the Rule (*Kentucky v. EPA*) was filed on November 24, 2025
 - If rule is vacated, the standard reverts to 12 µg/m³
 - If rule is not vacated, final area designations may occur in February 2027 with Nonattainment SIPs due in November 2028, or continued delay and lack of final designations

New Clean Air Plan Next Steps

Air District staff will complete scoping for the New Clean Air Plan:

- Planning the approach to the technical analyses
- Developing a robust engagement and communications plan
- Completing a framework for developing and selecting control measures and optimized actions
- Creating a Project Management Plan to ensure the New Clean Air Plan addresses clean air goals and requirements

New Clean Air Plan Milestones

- **Spring 2026:** Complete New Clean Air Plan internal scoping
- **Fall 2026:** Launch multi-year stakeholder engagement and communications plan
- **Fall 2027:** Complete technical analyses and draft control measures
- **Winter 2027:** Initiate California Environmental Quality Act environmental review
- **Fall 2028:** Board of Directors consideration of New Clean Air Plan

Questions & Discussion

For more information:

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Alesia Lau | Principal Environmental Planner | alau@baaqmd.gov

BAY AREA AIR DISTRICT
Memorandum

To: Chairperson Ken Carlson and Members
of the Stationary Source Committee

From: Philip M. Fine
Executive Officer/APCO

Date: April 8, 2026

Re: Overview of Refinery Flaring, Flaring Minimization Efforts and the
Development of "Flaring 101"

RECOMMENDED ACTION

None; the Committee will discuss this item, but no action is requested at this time.

BACKGROUND

Air District staff will provide an update on rule development efforts to further minimize flaring at Bay Area refineries. Current Air District regulations addressing flaring at refineries include Regulation 12, Rule 11: Flare Monitoring at Refineries (Rule 12-11) and Regulation 12, Rule 12: Flares at Refineries (Rule 12-12). Rule 12-11 requires monitoring and reporting of vent gas, pilot and purge gas flow, and vent gas composition on a monthly basis. Rule 12-12 requires an Air District approved flare minimization plan updated annually and causal reports for reportable flaring events. Air District staff is currently analyzing historical flare monitoring data and beginning the process of evaluating potential amendments to both rules.

DISCUSSION

There are several motivating factors behind potential amendments to Rules 12-11 and 12-12. Minimizing flaring is identified as Strategy 1.3 of the Air District's *2024-2029 Strategic Plan* and the Richmond-North Richmond-San Pablo Community Steering Committee's *Path to Clean Air* calls for the reduction of flaring as Strategy 2 in the fuel refining, support facilities, storage and distribution section. Since the adoption of Rules 12-11 and 12-12, the United States Environmental Protection Agency strengthened requirements for petroleum refineries under New Source Performance Standards and National Emissions Standards for Hazardous Pollutants, also called the Refinery Sector Rule, addressing flaring at petroleum refineries. Other than minor administrative changes in 2021 to accommodate refineries using non-petroleum-based feedstocks, neither Air District rule has been substantively amended since 2006. Since that time, Air District staff has identified a number of potential approaches to improve monitoring, reporting, and the overall effectiveness and enforceability of both rules. This

presentation will provide background on initial efforts to respond to these motivating factors.

When identifying potential rule amendment concepts, Air District staff reviewed the recently amended South Coast Air Quality Management District (AQMD) flaring rules 1118 and 1118.1 and discussed findings from the implementation of those rules. The South Coast AQMD rules include performance targets tied to refinery processing capacity for sulfur dioxide emissions as well as oxides of nitrogen emissions from hydrogen plant flares.

Air District staff is exploring the categorization of flare causes in its reporting requirements and ways to mitigate the exceedances of new annual emission limits. Additional ideas from Air District staff include incorporating federal requirements, improved monitoring, and additional notification and reporting requirements that include greater detail and consistency in causal reporting. The Air District is also working on providing informational and educational materials that will assist those living in communities in close proximity to refineries in understanding the root causes of flaring events and their health impacts (i.e., Flaring 101).

Preliminary rule development efforts began in 2025 with the establishment of the Refinery Technical Working Group composed of Air District staff, refinery representatives, community members, labor, local government staff, and other advocacy group representatives. The group convened in June of 2025 and had four meetings open for public viewing covering subjects that included “Flaring 101,” a public-friendly educational resource describing what flaring is and why it happens, and the flaring minimization concepts the Air District is considering. Air District staff plans to release a concept paper in mid-2026 and release the “Flaring 101” materials prior to the concept paper publication.

As the year progresses, as part of our public engagement plan, Air District staff will participate in several outreach events for the concept paper with two public workshops and topical meetings with stakeholders, including the Richmond-North Richmond-San Pablo Community Steering Committee. Air District staff anticipates conducting further public engagement later this summer to engage with the residents of communities most affected by refinery flaring.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Philip M. Fine
Executive Officer/APCO

Prepared by: Bradley Cole and Katie Gong
Reviewed by: Victor Douglas

ATTACHMENT(S):

1. Overview of Refinery Flaring, Flaring Minimization Efforts and the Development of "Flaring 101" Presentation



Overview of Refinery Flaring, Flaring Minimization Efforts and the Development of "Flaring 101" Stationary Source Committee

April 8, 2026

Katie Gong

Senior Air Quality Engineer

Regulatory Development Division

Abbreviations / Acronyms

AB: Assembly Bill

PTCA: Path to Clean Air

RTWG: Refinery Technical Working Group

CSC: Community Steering Committee

FMP: Flare Minimization Plan

DAHS: Data acquisition and handling system

US EPA: United States Environmental Protection Agency

NO_x: Nitrogen Oxide

SO₂: Sulfur Dioxide

VOC: Volatile Organic Compound

PM: Particulate Matter

CO₂: Carbon Dioxide

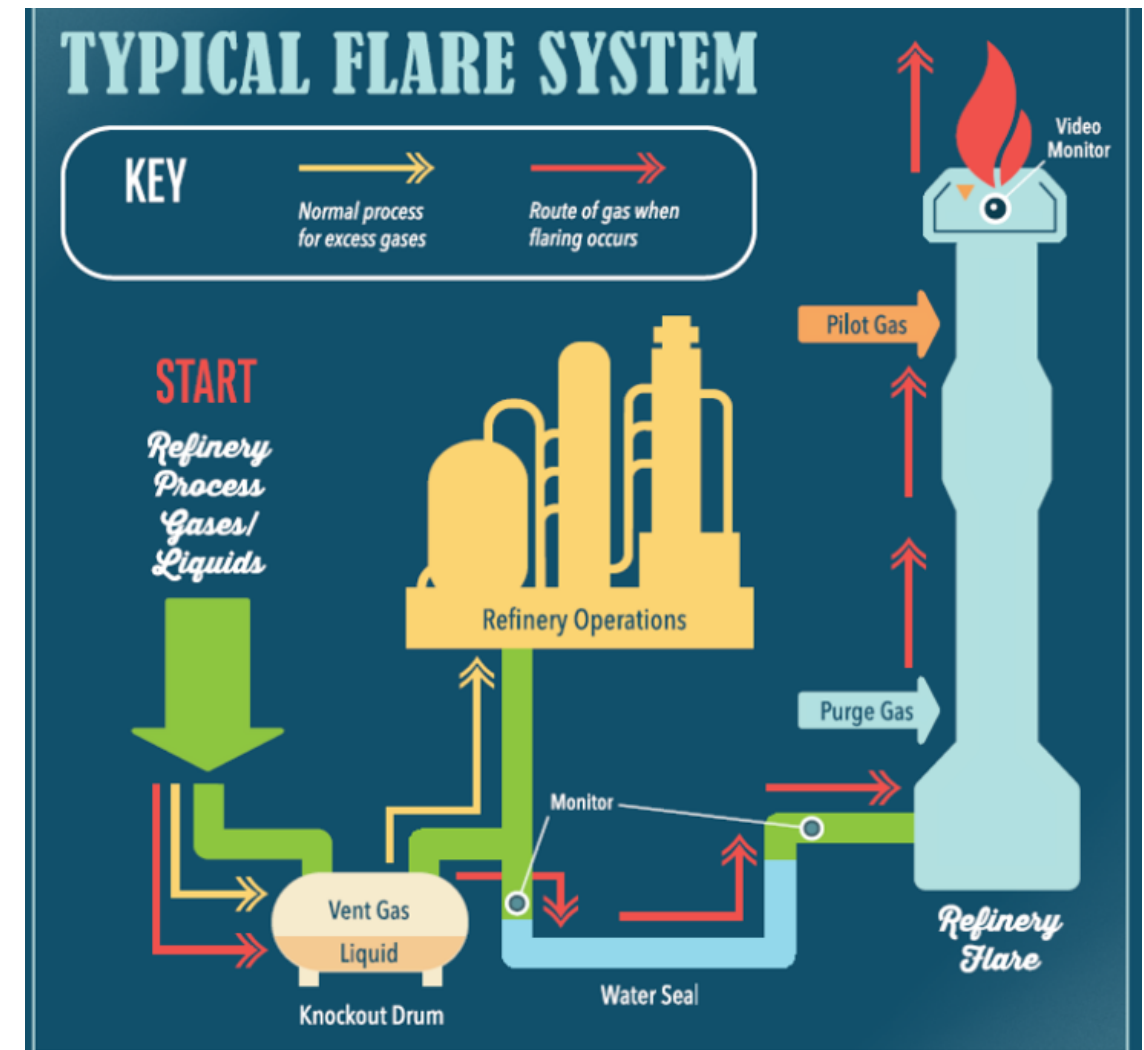
MRC: Martinez Refining Company

Presentation Outline

- Introduction to Flaring
- Impetus and Status of Rule Development Efforts
- Refinery Technical Working Group
- “Flaring 101” Update
- “Flaring 101” Next Steps
- Potential Rule Amendment Concepts
- Concept Paper Next Steps

Introduction – What is a flare system?

- Flare systems are safety devices that burn hydrocarbon gases that would otherwise be released
- Flares prevent the buildup of pressure and may prevent a more catastrophic event
- Flaring may occur from startup and shutdown of refinery processes



Introduction – When does flaring occur?

Planned operational activities

- Such as idling and planned maintenance

Preventable process upsets

- Not emergency, such as operator error or poor maintenance

Emergency

- Condition beyond reasonable control

Introduction – Flare Types

Flare Type	Typical Process Units Served	Gas Routed to Flare	Primary Pollutants	Typical Visual Cues
Non-hydrogen	Refinery process units	Hydrocarbons, including heavier and more complex ones	SO ₂ , PM, VOC	Proper operation: large and bright flame Improper operation: flame with black smoke
Hydrogen	Hydrogen production units	Hydrogen with a small amount of methane	NO _x , VOC	Blue or translucent flame

Visual Cues of Properly Operated Non-Hydrogen Flare



Larger and brighter the flames

- Higher the combustion efficiency
- Higher conversion rate of VOCs to CO₂ → Lower VOC emissions

Introduction – Current Rule Requirements

Regulation 12, Rule 11: Flare Monitoring at Refineries

Monthly reporting:

1. Vent, pilot and purge gas flow
2. Vent gas composition

Regulation 12, Rule 12: Flares at Refineries

1. Requires an Air District-approved flare minimization plan updated annually
2. Causal reports for reportable flaring events

Introduction – Other Regulations

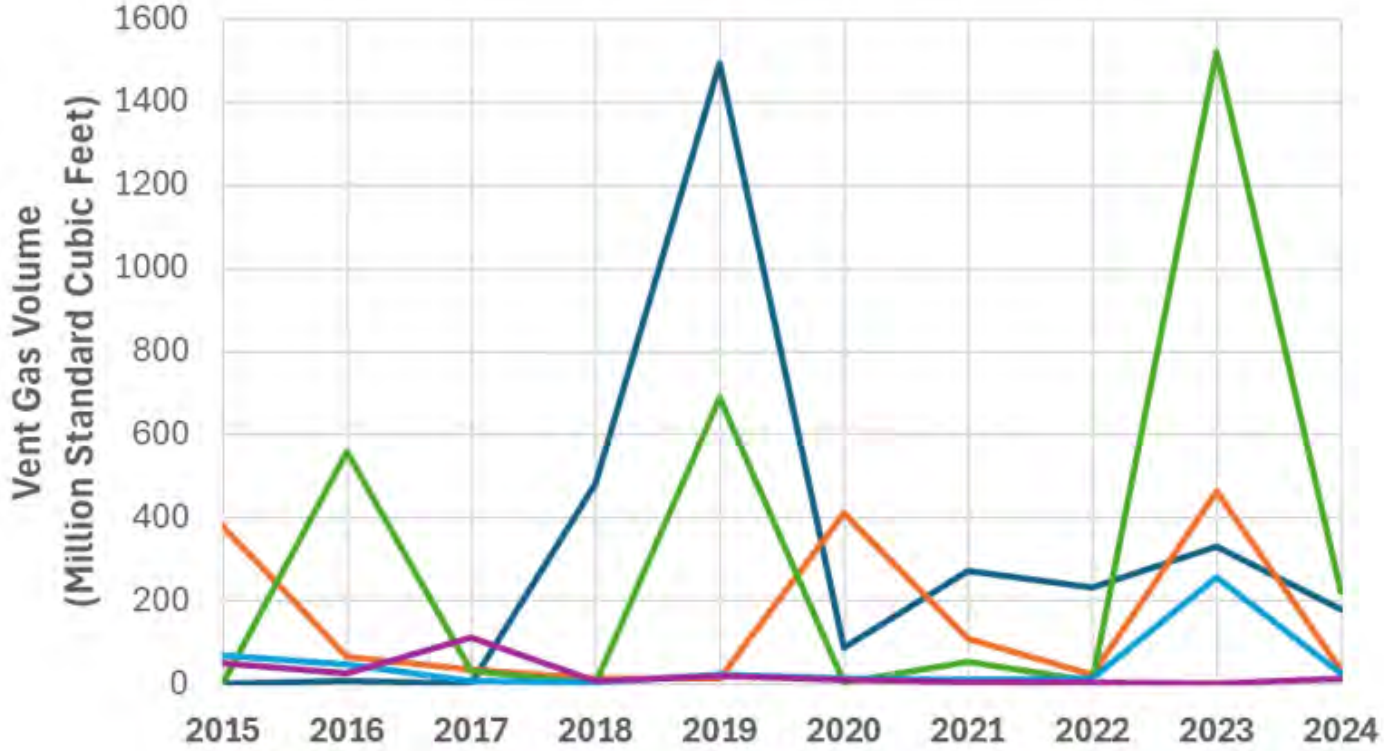
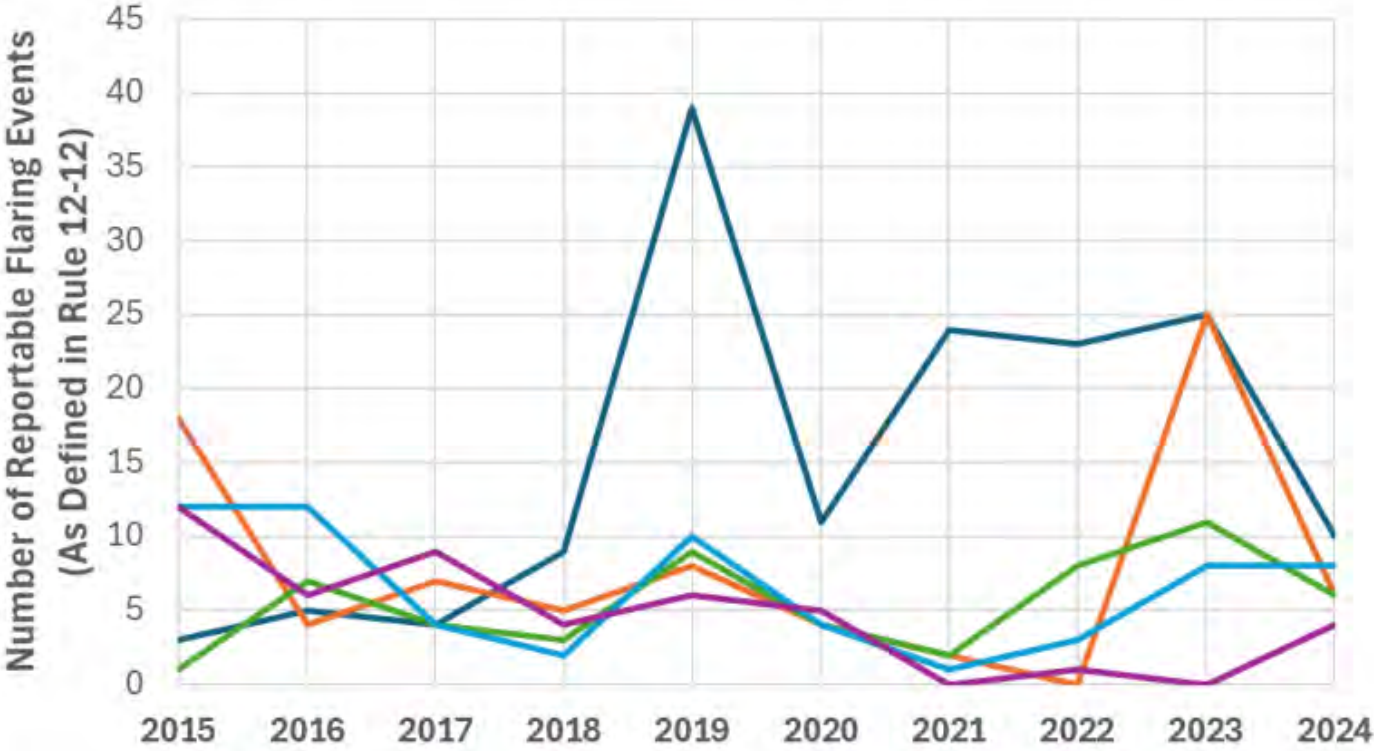
United States Environmental Protection Agency

- New Source Performance Standards
- National Emissions Standards for Hazardous Air Pollutants

South Coast Air Quality Management District

- Rule 1118: Control of Emissions from Refinery Flares
- Rule 1118.1: Control of Emissions from Non-Refinery Flares

Bay Area Flaring Trends



— Chevron — Marathon — Martinez Refining Company — Phillips 66 — Valero

Impetus of Rule Development Efforts

Strategic Plan

Strategy 1.3 Minimize Flaring

- Explore ways to minimize flaring
- Increase public engagement on flaring
- Share timely, accessible information
- Increase inspections and air pollution monitoring

AB 617 Path to Clean Air - Richmond, North Richmond & San Pablo - Community Emissions Reduction Plan - Fuel Refining 2.6

Evaluate potential updates to Rules 12-11 and 12-12 incorporating health impact analyses, enhanced enforceability, and more stringent limits

Current Status of Rule Development Efforts

- RTWG convened
- Gathering input from community and labor on "Flaring 101" materials
- Flaring concept paper to be published mid-2026
- Public engagement on concept paper

RTWG (Refinery Technical Working Group)

- Membership includes refinery representatives, community members, local government staff, advocacy group representatives, and other members
- Live public viewing and meetings recorded
- Convened in June 2025
- Topics:
 - “Flaring 101”
 - Rule 12-15 fenceline air monitoring (concept paper recently released)
 - Early flare rule amendments concepts

“Flaring 101”



What is “Flaring 101”

“Flaring 101” is being developed to provide informational and educational materials that will assist the residents in communities close to refineries in understanding the root causes of flaring events and their health impacts

Impetus for "Flaring 101" Development

1. Air District Strategic Plan; and
2. AB 617 PTCA – Richmond-North Richmond-San Pablo –
Community Emissions Reduction Plan

Next Steps – “Flaring 101”

- Meet with the PTCA CSC, other community groups, and labor to receive input
- Incorporate comments and develop an educational resource:
 1. Infographic/landing page explaining what flaring is and why it occurs
 2. More detailed Frequently Asked Questions
- Plan is to publish/go live prior to flaring concept paper publication

Potential Rule Amendment Concepts



Goals for Potential Amendment Concepts

Goal #1

Streamline the Flare Minimization Plan Update Process and Improve the Reporting and Monitoring Requirements

Goal #2

Reduce Flaring Emissions and Frequency

Goal #1 - Flare Minimization Plans (FMPs) and Reporting and Monitoring Requirements

- 1.1. Strengthen Flare Minimization Plan Updates**
- 1.2. Standardize Reporting Requirements**
- 1.3. Expand Definitions and Categories for Reporting Causes of Flaring**
- 1.4. Strengthen Monitoring and Reporting Requirements**

1.1. Strengthen FMP Updates

Potential Concept Description:

- Submission contents:
 - Technology review and updated cost analyses of installing or implementing measures to reduce flaring
 - Mitigation measures implemented to address rule violations
 - Redlined copies of FMP and process drawings
- Frequency of updates of FMP elements

Impacts:

- Increase enforceability of rule requirements
- Resource savings for the Air District and regulated facilities

1.2. Standardize Reporting Requirements

Potential Concept Description:

- Report templates
- Causal categorization system
- Emissions calculation methodologies

Impacts:

- Increase data consistency and accessibility
- Resource savings for the Air District and regulated facilities

1.3. Expand Definitions and Categories for Reporting Causes of Flaring

Types of Flaring under Current Rule 12-12

Emergency Flaring

Flaring due to condition at a refinery beyond reasonable control.

Non-emergency Flaring

Flaring due to condition that does not meet the definition of Emergency – including both Unplanned and Planned Flaring

Emergency Flaring Definition from Rule 12-12

A condition at a refinery beyond the reasonable control of the owner or operator requiring immediate corrective action to restore normal operation that is caused by a sudden, infrequent and not reasonably preventable equipment failure, natural disaster, act of war or terrorism or external power curtailment, excluding power curtailment due to an interruptible power service agreement from a utility.

1.3. Expand Definitions and Categories for Reporting Causes of Flaring (cont.)

Potential Concept Description:

- Clarify: Emergency to align with federal Malfunction definition
- New: Planned and Unplanned

Impacts:

- Improve clarity and consistency in defining the causes of flaring
- Stronger enforceability with clearer interpretation of requirements
- Minimize flaring that is preventable

1.4. Strengthen Monitoring and Reporting Requirements

Potential Concept Description:

- Continuous monitoring for total sulfur and flow downstream of water seal
- Data acquisition and handling system (DAHS)
- Video monitoring: Air District access to real-time data, online submittal
- Infrared camera monitoring

1.4. Strengthen Monitoring and Reporting Requirements (cont.)

Potential Concept Description:

- Notification system to alert the community of planned and unplanned flaring
- Review and approval process for causal reports and flare monitoring systems

Impacts:

- Increase accuracy and integrity of emissions data
- Support stronger compliance assurance and enforcement
- Provide community more information on flaring to supplement the Community Warning System

Goal #2 - Reduce Flaring Emissions and Frequency

- 2.1. Incorporate Key Requirements From the US EPA Refinery Sector Rule**
- 2.2. Establish New Annual Flare Limits**
- 2.3. Require Mitigation Measures for Violations**
- 2.4. Require Submittal of Causal Reports Based on Additional Triggers**
- 2.5. Require Third-Party Audits for Facilities**

2.1. Incorporate Key Requirements from US EPA Refinery Sector Rule for Flares

Potential Concept Description:

- Incorporate key operating requirements related to efficient combustion from the Refinery Sector Rule, which applies to petroleum refineries

Impacts:

- Increase enforceability of federal regulation
- Apply these requirements to all Bay Area refineries

2.2. Establish New Annual Flare Limits

Potential Concept Description:

- Annual limits under consideration:
 - SO₂ for non-hydrogen flares
 - NO_x for hydrogen flares
 - Vent gas volume
- Declining annual limit over time
- Application of the limit to emergency and non-emergency flaring

Impacts:

- Reduce emissions and decreased frequency of flaring

2.3. Require Mitigation Measures for Violations

Potential Concept Description:

- Measures under consideration:
 - Emission reduction measures for violations, including annual limit
 - Detailed evaluation of potential emission reduction measures
 - Fee similar to South Coast Rule 1118
- More stringent measures greater the exceedances

Impacts:

- Reduce emissions and decreased frequency of flaring

2.4. Require Submittal of Causal Reports based on Additional Triggers

Potential Concept Description:

- Additional triggers under evaluation:
 - Violations of the key operating parameters from US EPA Refinery Sector Rule
 - Other scenarios where causal reports may be warranted

Impacts:

- Decrease the frequency of specific flaring events related to triggers
- Expand the existing reporting requirements

2.5. Require Third-Party Audits for Facilities

Potential Concept Description:

- Audit triggers under evaluation:
 - Recurrent flaring from the same source/process area within a specified timeframe
 - Emergency flaring that exceeds certain emission or vent gas volume thresholds
 - Air District determination that internal audits are insufficient

Impacts:

- Reduce emissions and decreased frequency of flaring

Concept Paper – Next Steps



Next Steps – Concept Paper

- Concept paper release mid-2026
- Refinery community workshops
 - Richmond – hybrid
 - Martinez – hybrid
- Focused community and labor meetings

Questions & Discussion

For more information:

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