



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

## BOARD OF DIRECTORS REGULAR MEETING

February 19, 2020

A meeting of the Bay Area Air Quality Management District Board of Directors will be held at 9:30 a.m. in the 1<sup>st</sup> Floor Board Room at the Air District Headquarters, 375 Beale Street, San Francisco, California 94105.

### Questions About an Agenda Item

The name, telephone number and e-mail of the appropriate staff person to contact for additional information or to resolve concerns is listed for each agenda item.

### Meeting Procedures

The public meeting of the Air District Board of Directors begins at 9:30 a.m. The Board of Directors generally will consider items in the order listed on the agenda. However, any item may be considered in any order.

After action on any agenda item not requiring a public hearing, the Board may reconsider or amend the item at any time during the meeting.

This meeting will be webcast. To see the webcast, please visit [www.baaqmd.gov/bodagendas](http://www.baaqmd.gov/bodagendas) at the time of the meeting. Closed captioning may contain errors and omissions, and are not certified for their content or form.

## Public Comment Procedures

Persons wishing to make public comment must fill out a Public Comment Card indicating their name and the number of the agenda item on which they wish to speak, or that they intend to address the Board on matters not on the Agenda for the meeting.

**Public Comment on Non-Agenda Matters, Pursuant to Government Code Section 54954.3** Speakers wishing to address the Board on non-agenda matters will be heard at the end of the agenda, and each will be allowed up to three minutes to address the Board at that time.

Members of the Board may engage only in very brief dialogue regarding non-agenda matters, and may refer issues raised to District staff for handling. In addition, the Chairperson may refer issues raised to appropriate Board Committees to be placed on a future agenda for discussion.

**Public Comment on Agenda Items** The public may comment on each item on the agenda as the item is taken up. Public Comment Cards for items on the agenda must be submitted in person to the Clerk of the Boards at the location of the meeting and prior to the Board taking up the particular item. Where an item was moved from the Consent Calendar to an Action item, no speaker who has already spoken on that item will be entitled to speak to that item again.

Speakers may speak for up to three minutes on each item on the Agenda. However, the Chairperson or other Board Member presiding at the meeting may limit the public comment for all speakers to fewer than three minutes per speaker, or make other rules to ensure that all speakers have an equal opportunity to be heard. The Chairperson or other Board Member presiding at the meeting may, with the consent of persons representing both sides of an issue, allocate a block of time (not to exceed six minutes) to each side to present their issue.

# BOARD OF DIRECTORS REGULAR MEETING AGENDA

WEDNESDAY  
FEBRUARY 19, 2020  
9:30 A.M.

BOARD ROOM  
1<sup>ST</sup> FLOOR

## CALL TO ORDER

Chairperson, Rod Sinks

1. **Opening Comments**  
**Roll Call**  
**Pledge of Allegiance**

*The Chair shall call the meeting to order and make opening comments. The Clerk of the Boards shall take roll of the Board members. The Chair shall lead the Pledge of Allegiance.*

## PUBLIC COMMENT ON NON-AGENDA MATTERS

2. **Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3**  
*For the first round of public comment on non-agenda matters at the beginning of the agenda, ten persons selected by a drawing by the Clerk of the Boards from among the Public Comment Cards indicating they wish to speak on matters not on the agenda for the meeting will have two minutes each to address the Board on matters not on the agenda. For this first round of public comments on non-agenda matters, all Public Comment Cards must be submitted in person to the Clerk of the Board at the location of the meeting and prior to commencement of the meeting.*

## COMMENDATIONS/PROCLAMATIONS/AWARDS

3. *The Board of Directors will recognize Ms. Margaret Gordon and Mr. Brian Beveridge from the West Oakland Environmental Indicators Project for their work on the West Oakland Community Action Plan.*

## CONSENT CALENDAR (ITEMS 4-9)

Staff/Phone (415) 749-

4. Minutes of the Board of Directors Special Meeting/Retreat of January 29, 2020  
Clerk of the Boards/5073

*The Board of Directors will consider approving the draft minutes of the Board of Directors Special Meeting/Retreat of January 29, 2020.*

5. Board Communications Received from January 29, 2020 through February 18, 2020  
J. Broadbent/5052  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*A copy of communications directed to the Board of Directors received by the Air District from January 29, 2020 through February 18, 2020, if any, will be at each Board Member's place.*

6. Notices of Violations Issued and Settlements in Excess of \$10,000 in the month of January 2020  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*In accordance with Resolution No. 2012-08, the Board of Directors will receive a list of all Notices of Violations issued, and all settlements for amounts in excess of \$10,000 during the month of January 2020.*

7. Air District Personnel on Out-of-State Business Travel  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*In accordance with Section (b) of the Air District's Administrative Code, Fiscal Policies and Procedures Section, the Board is hereby notified that the attached memorandum lists Air District personnel who have traveled on out-of-state business in the preceding months.*

8. Quarterly Report of the Executive Office and Division Activities for the Months of October 2019 – December 2019  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*A summary of Board of Directors, Hearing Board, and Advisory Council meeting activities for the third quarter is provided for information only. Also included is a summary of the Executive Office and Division Activities for the months of October 2019 – December 2019.*

9. Authorization to Execute a Contract to Fund Improvements to Estimates of Air Pollution Emissions from Residential Wood Burning in the San Francisco Bay Area  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Board of Directors will consider authorizing the Executive Officer/APCO to execute a contract with Baseline Environmental Consulting, in an amount not to exceed \$160,000, to develop and evaluate new and more accurate methods for generating emission estimates and high-resolution air pollution maps of residential wood burning in the San Francisco Bay Area.*

## **COMMITTEE REPORT**

10. Report of the Personnel Committee Meeting of February 5, 2020  
**CHAIR: J. Spering**  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

For the full Council agenda packet and materials, click on the link below:  
[www.baaqmd.gov/advagendas](http://www.baaqmd.gov/advagendas)

## **CLOSED SESSION**

11. **PUBLIC EMPLOYEE PERFORMANCE EVALUATIONS - (Government Code Section 54957 and 54957.6)**

*Pursuant to Government Code Section 54957 and 54957.6, the Board will meet in closed session to conduct performance evaluations of the Executive Officer and General Counsel.*

## **OPEN SESSION**

## **PRESENTATIONS**

12. Update on Advancing Racial Equity at the Air District

**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Board of Directors will receive an update on the Air District's efforts to advance racial equity by aligning and adopting policies and investments in communities disproportionately impacted by air pollution.*

13. The State Air Resources Board's Environmental Justice Work

**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*Veronica Eady from the California Air Resources Board will give an overview of the State Board's environmental justice work.*

## **PUBLIC COMMENT ON NON-AGENDA MATTERS**

14. **Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3**

*Speakers who did not have the opportunity to address the Board in the first round of comments on non-agenda matters will be allowed two minutes each to address the Board on non-agenda matters.*

## **BOARD MEMBERS' COMMENTS**

15. *Any member of the Board, or its staff, on his or her own initiative or in response to questions posed by the public, may: ask a question for clarification, make a brief announcement or report on his or her 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)*

## **OTHER BUSINESS**

16. Report of the Executive Officer/APCO

17. Chairperson's Report

18. Time and Place of Next Meeting:

*Wednesday, March 4, 2020, at 375 Beale Street, San Francisco, CA 94105 at 9:30 a.m.*

19. Adjournment

*The Board meeting shall be adjourned by the Board Chair.*

**CONTACT:**

**MANAGER, EXECUTIVE OPERATIONS**  
**375 BEALE STREET, SAN FRANCISCO, CA 94105**  
[vjohnson@baaqmd.gov](mailto:vjohnson@baaqmd.gov)

**(415) 749-4941**  
**FAX: (415) 928-8560**  
**BAAQMD homepage:**  
[www.baaqmd.gov](http://www.baaqmd.gov)

- To submit written comments on an agenda item in advance of the meeting. Please note that all correspondence must be addressed to the “Members of the Board of Directors” and received at least 24 hours prior, excluding weekends and holidays, in order to be presented at that Board meeting. Any correspondence received after that time will be presented to the Board at the following meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- 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 to which this Agenda relates shall be made available at the 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 Quality Management 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](http://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, Rex Sanders, at (415) 749-4951 or by email at [rsanders@baaqmd.gov](mailto:rsanders@baaqmd.gov).

# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

375 BEALE STREET, SAN FRANCISCO, CA 94105

FOR QUESTIONS PLEASE CALL (415) 749-4941

## EXECUTIVE OFFICE:

### MONTHLY CALENDAR OF AIR DISTRICT MEETINGS

#### FEBRUARY 2020

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Stationary Source Committee - CANCELLED	Monday	17	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Regular Meeting	Wednesday	19	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Climate Protection Committee	Thursday	20	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Budget & Finance Committee	Wednesday	26	9:30 a.m.	1 <sup>st</sup> Floor Yerba Buena Room
Board of Directors Legislative Committee - CANCELLED	Wednesday	26	10:30 a.m.	1 <sup>st</sup> Floor Yerba Buena Room
Board of Directors Stationary Source Committee	Wednesday	26	10:45 a.m.	1 <sup>st</sup> Floor Yerba Buena Room
Board of Directors Mobile Source Committee	Thursday	27	9:30 a.m.	1 <sup>st</sup> Floor Board Room

#### MARCH 2020

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting	Wednesday	4	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Community and Public Health Committee	Thursday	5	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Advisory Council Special Meeting - PM Symposium	Tuesday	24	9:00 a.m.	Oakland Marriott City Center 1001 Broadway, Oakland CA
Board of Directors Budget & Finance Committee	Wednesday	25	9:30 a.m.	1 <sup>st</sup> Floor Yerba Buena Room
Board of Directors Legislative Committee	Wednesday	25	10:30 a.m.	1 <sup>st</sup> Floor Yerba Buena Room
Board of Directors Mobile Source Committee	Thursday	26	9:30 a.m.	1 <sup>st</sup> Floor Board Room

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Minutes of the Board of Directors Special Meeting/Retreat of January 29, 2020

RECOMMENDED ACTION

Approve the attached draft minutes of the Board of Directors Special Meeting/Retreat of January 29, 2020.

DISCUSSION

Attached for your review and approval are the draft minutes of the Board of Directors Special Meeting/Retreat of January 29, 2020.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Vanessa Johnson

Attachment 4A: Draft Minutes of the Board of Directors Special Meeting/Retreat of January 29, 2020



## AGENDA 4A – ATTACHMENT

Draft Minutes - Board of Directors Special Meeting/Retreat of January 29, 2020

Bay Area Air Quality Management District  
Residence Inn by Marriott  
Monte Vista Room  
19429 Stevens Creek Blvd.  
Cupertino, CA 95014

Board of Directors Special Meeting/Retreat  
Wednesday, January 29, 2020

### **DRAFT MINUTES**

*Note: Audio recordings of the meeting are available on the website of the Bay Area Air Quality Management District at [www.baaqmd.gov/bodagendas](http://www.baaqmd.gov/bodagendas)*

### **CALL TO ORDER**

1. **Opening Comments:** Board of Directors (Board) Chairperson, Katie Rice, called the meeting to order at 10:18 a.m.

#### **Roll Call:**

Present: Chairperson Rod Sinks; Vice Chair Cindy Chavez; Secretary Karen Mitchoff; and Directors Margaret Abe-Koga, Teresa Barrett, John J. Bauters, David J. Canepa, Pauline Russo Cutter, John Gioia, Carole Groom, Scott Haggerty, David Hudson, Davina Hurt, Tyrone Jue, Liz Kniss, Katie Rice, Mark Ross, Jim Spering, Brad Wagenknecht, and Shamann Walton.

Absent: Directors Gordon Mar, Nate Miley, Lori Wilson, and Shirlee Zane.

### **PUBLIC COMMENT ON NON-AGENDA MATTERS**

NOTED PRESENT: Secretary Mitchoff was noted present at 10:21 a.m.

2. **Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3**

No requests received.

### **COMMENDATION/PROCLAMATION/AWARD**

3. The Board of Directors recognized Katie Rice, outgoing Board Chairperson, for her outstanding leadership as Chair of the Board of Directors for the calendar year of 2019. Rod Sinks, Chairperson-Elect, listed the accomplishments of the Air District under Chair Rice's leadership, including the distribution of two books to the entire Board that focused on themes of gender and racial equality.

**CONSENT CALENDAR (ITEMS 4 – 12)**

4. Minutes of the Board of Directors Regular Meeting of December 4, 2019
5. Board Communications Received from December 4, 2019 through January 28, 2020
6. Notices of Violations Issued and Settlements in Excess of \$10,000 in the months of November 2019 and December 2019
7. Air District Personnel on Out-of-State Business Travel
8. Consider Authorizing a California Environmental Quality Act (CEQA) Review Consultant Services Contract for the Schnitzer Steel Ocean-Going Vessels Project
9. Consider Authorizing the Executive Officer/Air Pollution Control Officer (APCO) to Amend a Contract Agreement with Resolute Security Group, Inc., in an Amount Not to Exceed \$300,000
10. Consider Authorizing the Executive Officer/APCO to Execute a Multi-Year Contract Amendment with IT Help, LLC, in an Amount Not to Exceed \$250,000
11. Funding to Support the Bay Area Regional Collaborative (BARC)
12. 50<sup>th</sup> Anniversary of the Clean Air Act and Earth Day Event

**Public Comments**

No requests received.

**Board Comments**

None.

**Board Action**

Director Bauters made a motion, seconded by Director Cutter, to **approve** the Consent Calendar Items 4 through 12, inclusive; and the motion **carried** by the following vote of the Board:

- AYES: Abe-Koga, Barrett, Bauters, Canepa, Chavez, Cutter, Gioia, Groom, Haggerty, Hudson, Hurt, Jue, Kniss, Mitchoff, Rice, Ross, Sinks, Spring, Wagenknecht, and Walton.
- NOES: None.
- ABSTAIN: None.
- ABSENT: Mar, Miley, Wilson, Zane.

**COMMITTEE REPORTS**

13. **Report of the Advisory Council Meeting of December 9, 2019**

Advisory Council Board Liaison, Rod Sinks, gave the following report:

*The Council met on Monday, December 9, 2019, and approved the minutes of October 28, 2019.*

*The Council then received the presentation Particulate Matter (PM) Health Protection Symposium by Council Chairman, Stan Hayes.*

*The Council then received the staff presentation Update on Particulate Matter Air District Work, including Regional and Local-Scale PM<sub>2.5</sub> Source Apportionment, Monitoring, Grant Programs, and Rules and Regulatory Development. In addition, Alvaro Alvarado presented on the California Air Resources Board's research and rule development regarding PM exposure.*

*Finally, the Council discussed the content of the October 28, 2019 Particulate Matter Symposium Summary Report and deliberated about the Report's adoption date.*

*The next meeting of the Council will be on Tuesday, March 24, 2020 at 9:00 a.m., at the Oakland Marriott City Center, Oakland, CA. This concludes the Chair Report of the Advisory Council.*

Public Comments

No requests received.

Board Comments

None.

Board Action

None; receive and file.

**14. Report of the Stationary Source Committee Meeting of December 16, 2019**

Stationary Source Committee Chair, Rod Sinks, gave the following report:

*The Committee met on Monday, December 16, 2019, and approved the minutes of September 16, 2019.*

*The Committee reviewed and discussed the staff presentation Update on Implementation of Regulation 11, Rule 18: Reduction of Risk from Air Toxic Emissions at Existing Facilities.*

*Finally, the Committee reviewed and discussed the staff presentation Odor Attribution Study in the South Bay.*

*The next meeting of the Stationary Source Committee will be at the Call of the Chair. This concludes the Chair report of the Stationary Source Committee.*

Public Comments

No requests received.

Board Comments

None.

Board Action

None; receive and file.

**15. Report of the Mobile Source Committee Meeting of December 18, 2019**

Mobile Source Committee Chair, David J. Canepa, gave the following report:

*The Committee met on Wednesday, December 18, 2019, and approved the minutes of October 24, 2019.*

*The Committee reviewed and discussed the staff presentation Projects and Contracts with Proposed Grant Awards Over \$100,000. The Committee recommends the Board:*

- 1. Approve recommended projects with proposed grant awards over \$100,000; and*
- 2. Authorize the Executive Officer/APCO to enter into all necessary agreements with applicants for the recommended projects.*

*The Committee then reviewed and discussed the staff presentation Transportation Fund for Clean Air Program Audit #20 Results.*

*The Committee then reviewed and discussed the staff presentation Transportation Fund for Clean Air Expenditures and Effectiveness for Fiscal Year Ending 2019.*

*The Committee then reviewed and discussed the staff presentation Policy to Prohibit Use of Air District Funds on Vehicles Manufactured by Companies that Oppose California Regulations of Light-Duty Vehicle Emissions. The Committee directed Air District staff to look at developing a policy that prohibits Air District incentive and general funds from being used for the purchase of light-duty vehicles manufactured by companies that oppose the State of California's right to regulate light-duty vehicle emissions. The Committee requested that staff contact the California Air Resources Board to ensure coordination of Air District actions with those of the state. Staff will report back to the Board at its February meeting on those conversations and on a proposed policy.*

*Finally, the Committee then reviewed and discussed the staff presentation Contract for Electric Vehicle Market Research and Survey Services. The Committee recommends the Board:*

- 1. Authorize the Executive Officer/APCO to increase an existing contract with the Center for Sustainable Energy by an amount not to exceed \$5,000 for services performed in Fiscal Year Ending 2019 and Fiscal Year Ending 2020 for electric vehicle market research services.*

*The next meeting of the Mobile Source Committee will be on Thursday, February 27, 2020, at 9:30 a.m. I move that the Board approve the Mobile Source Committee's recommendations. This concludes the Chair Report of the Mobile Source Committee.*

Public Comments

No requests received.

Board Comments

The Board and staff discussed concerns from Board members regarding the development of a policy that would prohibit Air District incentive and general funds from being used for the purchase of light-duty vehicles by manufacturers that oppose the State of California's right to regulate light-duty vehicle emissions, and the request that Air District staff flesh out the aforementioned policy, at an upcoming Mobile Source Committee meeting.

Board Action

Director Canepa made a motion, seconded by Chair Rice, to **approve** the recommendations of the Mobile Source Committee; and the motion **carried** by the following vote of the Board:

AYES: Abe-Koga, Barrett, Bauters, Canepa, Chavez, Cutter, Gioia, Hurt, Jue, Kniss, Rice, Ross, Sinks, Spering, Wagenknecht, and Walton.  
NOES: Groom, Haggerty, Hudson, Mitchoff.  
ABSTAIN: None.  
ABSENT: Mar, Miley, Wilson, Zane.

16. **Report of the Legislative Committee meeting of January 15, 2020**

Legislative Committee Chair, Margaret Abe-Koga, gave the following report:

*The Legislative Committee met on Wednesday, January 15, 2020, in the form of a Legislative Briefing for legislative staff at the California State Capitol.*

*Air District staff presented the history of the Air District, its function, major pollution concerns in the Bay Area, and 2020 Air District initiatives.*

*Following the staff presentation, the Legislative Committee members met with legislators to discuss several of the Air District's initiatives for 2020.*

*The next meeting of the Legislative Committee will be on Wednesday, February 26, 2020, at 10:30 a.m. This concludes the Chair's report of the Legislative Committee.*

Public Comments

No requests received.

### Board Comments

The Board and staff discussed the request for a scripted breakdown of which points Legislative Committee members addressed with the Legislators, the request that the entire Board receives copies of the facts sheet that the Legislative Committee members used during the briefing; the suggestion that Air District staff create an Annual Report of Air District activities, specifically designed for Legislators, and which can be circulated by Board members at their discretion; whether any Legislators that met with the Legislative Committee members provided any feedback about the issues presented; which Legislators met with the Legislative Committee members; and the appreciation for Director Bauters' suggestion to hold this briefing.

### Board Action

None; receive and file.

## **BOARD OF DIRECTORS RETREAT**

### **17. Opening Comments**

At this point, Chairperson-Elect Sinks took over the remainder of the meeting as the Air District's new Chairperson. Chair Sinks described the economic history of Cupertino. He also asked Air District staff to discuss the tours of the Newby Island Landfill and Zero Waste Energy Development Company, LLC, that the Board members recently took in Milpitas. Jack P. Broadbent, Executive Officer/APCO, gave an overview of the retreat presentation, explaining the topics that would be covered.

#### **A. State of the Air District, Air Quality Summary, and the Proposed Regulatory Agenda for 2020**

Mr. Broadbent presented the following slides: opening comments; overview; Bay Area ozone trends; and Bay Area (PM<sub>2.5</sub>) exceedance trends.

### Board Comments

The Board and staff discussed the hiring status of employees that are needed to implement Assembly Bill (AB) 617, and whether the Air District should postpone those recruitments until proper funding is identified and allocated.

#### **B. Air District Administrative Update**

Rex Sanders, Chief Administrative Officer, presented *Air District Administrative Overview*, including a human resources update. Kenneth McKellar, 2020 President of the Bay Area Air Quality Management District's Employees Association, was introduced to the Board.

Board Comments

The Board and staff discussed whether the Air District collects workforce data on its diversity among subgroups of employees; and ways in which the Personnel Committee is involved with the Air District's Office of Diversity, Equity, and Inclusion.

**C. Air District Financial Overview**

Dr. Jeff McKay, Chief Financial Officer, presented *Air District Financial Overview*, including fiscal update; and Headquarters East.

Board Comments

The Board and staff discussed projected California Public Employees' Retirement System (CalPERS) Rates of Return and Discount Rates; and how the Air District prepares for and has dealt with economic downturns.

**D. Air District Core Programs Overview**

Damian Breen, Deputy APCO of Technology, presented the following slides: regulated facilities; stationary sources: ongoing and new initiatives; and major facility projects for 2020.

Board Comments

The Board and staff discussed which stationary sources are applying for permits for backup generators during Pacific Gas & Electric public safety power shutoffs, how many applicants for backup generators are located in areas where the air quality is already impacted, and the suggestion of prohibiting the use of *diesel* generators, as they will most likely be needed during poor air quality conditions; and the suggestion that the Air District collaborates with community choice aggregation agencies in the Bay Area to share decarbonization solutions and strategies.

Wayne Kino, Deputy APCO of Operations, presented the following slides: inspection program; air quality complaint program; enforcement program; compliance assistance and operations; new initiatives: updating air quality complaint investigation guidelines and South Bay Odor Study; Lehigh Quarry and Cement Plant; air quality monitoring: multiple measurement strategies throughout the Bay Area; and meteorology: air quality forecasting.

Board Comments

The Board and staff discussed the request that the Air District's South Bay Odor Study informs the Board of which operations cause different types of emissions, in addition to odors, as well as how the Air District is encouraging new technologies for facilities; how studying odors in the South Bay may serve as a guide for other parts of the Bay Area; and the anticipation of PM reduction at Lehigh Cement due to the legal settlement between the United States Environmental Protection Agency (and Air District, among other plaintiffs) and Lehigh.

## **E. Key Policy Initiatives**

Greg Nudd, Deputy APCO of Policy, presented *Key Policy Initiatives*, including: community-level: AB 617 2019 accomplishments and 2020 implementation, magnet sources, hyperlocal monitoring, community protection rules, PM Symposium, and PM Strategy; regional-level: Plan Bay Area 2050, CEQA guidelines and thresholds, and Best Available Retrofit Control Technologies rules; and global-level: methane rules, decarbonizing buildings, and Bay Area carbon dioxide emissions and strategy.

### Board Comments

The Board and staff discussed whether San Leandro will receive the same attention as East Oakland, regarding AB 617 resources; whether the Air District has utilized data from Google Earth, in addition to the study with Aclima; the level of engagement of jurisdictions with the Air District regarding AB 617; how much the Air District's most current regulation adoption schedule diverts from what was projected in 2019; the status of Air District Rule 9-4 (Nitrogen Oxides from Fan Type Residential Central Furnaces); the value in developing model policies as part of a handbook for others, especially smaller jurisdictions, to use; the reiteration of the importance of collaborating with community choice aggregation agencies to exchange decarbonization solutions and strategies; and whether the Air District is looking at reducing emissions from the goods and services sector, and gardening equipment.

## **F. Future Efforts**

- Diversity, Equity and Inclusion Program Update – In the interest of time, Mr. Broadbent asked the Board if it would agree to receive a shortened presentation on this topic at the retreat and have a full presentation at the February 19, 2020 Board meeting instead. Board members had various opinions on this proposal. Mary Ann Okpalaugo, Manager of the Office of Diversity, Equity, and Inclusion, gave an abbreviated presentation on the demographics of Air District employees and key priorities for this office in 2020. Mr. Broadbent also spoke of the current recruitment for the new Senior Deputy Executive Officer of Policy and Equity.
- Wildfire Strategy Update – This discussion was tabled, in the interest of time.
- Legislative Efforts – Alan Abbs, Legislative Officer, spoke about the following:
  - The Governor's Budget decreased AB 617 implementation funding by half for 2020. In response, the Air District will send a letter to the Governor and Legislature to emphasize how that action compromises promises made to disadvantaged communities with the launching of California's Cap and Trade program in 2013.
  - The Wildfire Smoke Clean Air Shelters for Vulnerable Populations Incentive Pilot Program (AB 836) was allocated \$5.5 million from the 2020-2021 State Budget. Nationwide funding for clean air centers is also being pursued at the Congressional level. The Air District is also working directly with industry to support clean air center work in local communities.
  - There are currently four proposed climate resilience bonds, two of which have measures to support clean air centers. The bonds are anticipated to be merged into one.
  - The Air District's magnet source authority bill has been submitted to Legislative Counsel, but still needs an author.



- The Air District's private school siting bill is being supported by California State Superintendent of Public Instruction, Dr. Tony Thurman. Assemblymember Kansen Chu has agreed to author the bill.
- Faster Bay Area, a November 2020 ballot measure that would raise up to \$100 billion over 40 years for transportation projects in the nine Bay Area counties, may affect the Bay Area Commuter Benefits Program, which the Air District co-manages with the Metropolitan Transportation Commission.
- Assemblymember Kansen Chu plans to introduce a bill regarding the cancellation of school athletic events during wildfire smoke emergencies. The Air District will help with the bill language.

### Board Comments

The Board and staff discussed the suggestion that the Air District collaborates with community choice aggregation agencies in the Bay Area to champion legislation about climate action programs; and whether the Senior Deputy Executive Officer of Policy and Equity would be a new position or a vacancy to be filled.

### **G. Board Development and Committee Assignments for 2020**

Chair Sinks released the Board Members' 2020 Standing Committee Assignments. He anticipates having one Board of Directors meeting per month, with exceptions, as needed. Chair Sinks then distributed the books, Drawdown, by Paul Hawken, and Choked: Life and Breath in the Age of Air Pollution, by Beth Gardiner, to the Board.

### Board Comments

The Board and staff discussed the need for consistency regarding the frequency of committee meetings, and the benefit of having two Board meetings per month.

### Public Comments (on Items 17A – 17G):

No requests received.

### **PUBLIC COMMENT ON NON-AGENDA MATTERS**

#### **18. Public Comments on Non-Agenda Items, Pursuant to Government Code Section 54954.3**

No requests received.

## **BOARD MEMBERS' COMMENTS**

### **19. Board Members' Comments**

- Director Cutter requested that the text of PowerPoint presentation handouts be printed in black ink, as opposed to other colors.
- Director Jue announced that today is the launch of “Car-Free Market Street,” part of the Better Market Street Project. Banning private cars on the downtown portion of Market Street, east of 10<sup>th</sup> Street, this strategy is designed to relieve congestion and encourage active transit.
- Director Ross suggested that the Air District seeks more empirical data that measures things like hospital visit-reduction and disease-reduction, based on the reduction of pollution.
- Director Kniss acknowledged the work of the Office of Environmental Health Hazard Assessment.

## **OTHER BUSINESS**

### **20. Report of the Executive Office/APCO**

Mr. Broadbent announced that Anthony Fournier, former Manager of the Strategic Incentives Division, was appointed as the new Technology Implementation Officer. Mr. Broadbent thanked Air District staff who helped plan this retreat.

### **21. Chairperson's Report**

Chair Sinks congratulated Vice Chair Chavez, Secretary Mitchoff, and Directors Canepa, Hurt, Jue, Kniss, Wilson, Wagenknecht and Zane for their recent reappointments to the Board, and announced the resignation of Director Mar, effective immediately.

### **22. Time and Place of Next Meeting**

Wednesday, February 19, 2020, at 375 Beale Street, San Francisco, CA 94105 at 9:30 a.m.

### **23. Adjournment**

The meeting adjourned at 1:55 p.m.

Marcy Hiratzka  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Board Communications Received from January 29, 2020 through February 18, 2020

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

Copies of communications directed to the Board of Directors received by the Air District from January 29, 2020 through February 18, 2020, if any, will be at each Board Member's place at the February 19, 2020, Regular Board Meeting.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Justine Buenaflor  
Reviewed by: Vanessa Johnson

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Notices of Violations Issued and Settlements in Excess of \$10,000 in the month of  
January 2020

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RECOMMENDED ACTION

None; receive and file.

DISCUSSION

In accordance with Resolution No. 2012-08, attached to this memorandum is a listing of all Notices of Violations issued, and all settlements for amounts in excess of \$10,000 during the calendar months prior to this report.

BUDGET CONSIDERATION/FINANCIAL IMPACT

The amounts of civil penalties collected are included in the Air District's general fund budget.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Brian C. Bungler

Attachment 6A: Notices of Violations for the Month of January 2020

**NOTICES OF VIOLATIONS ISSUED**

The following Notice(s) of Violations were issued in January 2020:

<b>Alameda</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Acorn Restoration	B2239	Oakland	A56075A	1/9/2020	2-1-307	No usage records
Acorn Restoration	B2239	Oakland	A56075B	1/9/2020	8-32-320	>50 gal. clean up solvent voc >25 g/l
Albany Hill Mini Mart	Z7197	Albany	A59269A	1/28/2020	10	Uncertified P/V valve per CARB EO VR-102
Asbestos Management Group of California	J9290	Oakland	A58670A	1/13/2020	11-2-401.5	Failure to revise
Asbestos Management Group of California	J9290	Oakland	A58671A	1/13/2020	11-2-401.5	Failure to revise
Asbestos Management Group of California	J9290	Oakland	A58675A	1/28/2020	11-2-401.5	Section 401.5 (Failure to Revise)
Ferma Corporation	Z6636	Newark	A59162A	1/30/2020	11-2-401.5	Failure to revise start date
Synergy Enterprises	Z3916	Hayward	A59161A	1/30/2020	11-2-401.3	Improper Notification
Tesla, Inc.	A1438	Fremont	A55799A	1/30/2020	2-6-307	Dec# 5571, RCA 07N00
Tesla, Inc.	A1438	Fremont	A59578A	1/30/2020	2-6-307	Dev# 5606, RCA# 07N20
Tesla, Inc.	A1438	Fremont	A59579A	1/30/2020	1-1-523	RCA# 07N29 (Late RCA reporting & no Title V Dev reporting)

Tesla, Inc.	A1438	Fremont	A59579B	1/30/2020	2-6-307	Dev# 5601, RCA 07N29 (late RCA reporting & no Title V Dev reporting)
Tesla, Inc.	A1438	Fremont	A59580A	1/30/2020	2-6-307	RCA number's 07N88 & 07N93 (Breakdown denial) & no Title V Dev reporting

<b>Contra Costa</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Contra Costa County	U6792	Antioch	A58835A	1/13/2020	10	CCR17 / 93105(d)(1)(a)Work began before 14 day notification period
Star Holdings, LLC	Z7190	Moraga	A58644A	1/8/2020	10	No permit or application for ISD install (VR-204)
Star Holdings, LLC	Z7190	Moraga	A58645A	1/8/2020	2-1-307	Gasoline Throughput excess (rolling 12 mo) PC#7878

<b>Marin</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Miller Creek School District	Z7165	San Rafael	A59267A	1/10/2020	2-1-307	PC# 16516Annual static pressure test overdue

<b>Napa</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
KAFV, Inc.	Z7168	Napa	A58643A	1/3/2020	2-1-302	Expired Permit to Operate

<b>San Francisco</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Arcon Construction	X2692	San Francisco	A59461A	1/14/2020	11-2-401.5	Failure to Revise Demo Notification
Auto City Food Mart	Z4565	San Francisco	A59309A	1/8/2020	8-7-301.6	ST# Z0034 Failure to maintain Ph I system in proper op. cond. Leak drop tub/drain valve
Auto City Food Mart	Z4565	San Francisco	A59309B	1/8/2020	8-7-302.5	ST #20035 Ph II - We state press
Auto City Food Mart	Z4565	San Francisco	A59309C	1/8/2020	8-7-302.3	ST# 20038 Phase II Sys Failure - ISO vapor flow meter op test
Pacific Gas & Electric	A9185	San Francisco	A58672A	1/14/2020	11-2-401.3	401.3 Failure to notify

<b>San Mateo</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Bancroft Gas Corp.	Z7078	South San Francisco	A59268A	1/13/2020	2-1-307	Annual source tests overdue ( last completed 09/29/17 + 11/13/18 )
City of Redwood City	Z7188	Redwood City	A59307A	1/6/2020	10	Uncertified Ph I vapor adaptor system
Gellert Shell	Z7189	Daly City	A59308A	1/7/2020	8-7-308	1" < gas in 87-grade spill bucket
Gilead Sciences	B2455	Foster City	A59353A	1/29/2020	9-7-506	Annual testing performed with improper device
Hickey Way Shell	Z7145	Daly City	A59310A	1/15/2020	8-7-301.5	87 & 91 grade vapor adapters failed torque
Rebuild Green	Z7192	Redwood City	A58599A	1/9/2020	11-2-401.5	Inaccurate start date

<b>Santa Clara</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
194 Lantz Drive	Z7161	Morgan Hill	A57367A	1/22/2020	5-301	Prohibited open burning
Alliance Environmental Group, Inc.	Q8668	San Jose	A58673A	1/14/2020	11-2-303.6	303.6 Breach of containment
Blossom Shell SS	Z7114	San Jose	A59389A	1/2/2020	8-7-308	>1" gasoline in all (3) fill sumps
Central Concrete Supply	B2577	San Jose	A58762A	1/10/2020	2-1-301	Facility modified baghouse A-4 W/O obtaining an A/C
Concrete ReadyMix, Inc.	A9910	San Jose	A58763A	1/29/2020	2-1-301	Installed 3 baghouses without obtaining an A/C
Concrete ReadyMix, Inc.	A9910	San Jose	A58764A	1/29/2020	2-1-307	A-11 is not equipped W/ a device for measuring pressure drop per PC# 24579(3)
Robinson Oil Corporation	Z7198	Santa Clara	A59270A	1/29/2020	8-7-302.1	Non-low permeation whip hoses in use
XL Construction	S4569	Milpitas	A58598A	1/7/2020	11-2-401.5	Failure to start on scheduled start date of 1/6/20

<b>Solano</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Valero Refining Company - California	B2626	Benicia	A58995A	1/28/2020	8-5-322.5	Gap greater than 0.06 inches between tank shell and secondary seal. Dev #5651
Valero Refining Company - California	B2626	Benicia	A59000A	1/28/2020	8-5-321.3	Exceed primary and secondary gap standards Deviation 5656
Valero Refining Company - California	B2626	Benicia	A59000B	1/28/2020	8-5-322.5	Exceeded primary and secondary gap standards deviation #5656



<b>Sonoma</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
John Ferrando	Z7191	Sonoma	A59210A	1/9/2020	5-301.1	Illegal burn 5-301.1

<b>District Wide</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
American Technologies - West Sacramento	X8296	West Sacramento	A55945A	1/13/2020	11-2-401.5	Failure to update start date
Frank Loduca Co.	Z7194	Stockton	A58674A	1/21/2020	11-2-401.5	401.5 Inaccurate Start Date
Select Tech, Inc. dba Select Environmental	W6066	Sacramento	A59462A	1/21/2020	11-2-303	Section # 303.1 and 303.6
Select Tech, Inc. dba Select Environmental	W6066	Sacramento	A59462B	1/21/2020	11-2-304	Section # 304.1

**SETTLEMENTS FOR \$10,000 OR MORE REACHED**

There was 1 settlement(s) for \$10,000 or more completed in January 2020.

1) On January 10, 2020, the Air District reached settlement with Lehigh Southwest Cement Company for \$22,500, regarding the allegations contained in the following 6 Notices of Violation:

<b>NOV #</b>	<b>Issuance Date</b>	<b>Occurrence Date</b>	<b>Regulation</b>	<b>Comments from Enforcement</b>
A56541A	7/24/2018	7/23/2018	9-13-302	Visible emission exceeded standard of 10%
A56542A	8/29/2018	8/15/2018	9-13-503.1	S-154, cement kiln, 2017 annual source test report not submitted to District
A56542B	8/29/2018	8/15/2018	9-13-503.11	S-154, cement kiln, 2017 annual CEM RATA report not submitted to District
A56542C	8/29/2018	8/15/2018	2-6-307	Facility did not submit CEM Audit and Emission Test Reports to District within 60 days of completion
A56545A	3/14/2019	5/19/2017	2-6-307	Mercury (Hg) continuous emission monitor (CEM) not meeting performance standards
A56545B	3/14/2019	5/19/2017	1-522.6	Mercury (Hg) continuous emission monitor (CEM) not meeting performance standards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Rod Sinks and  
Members of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Air District Personnel on Out-of-State Business Travel

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RECOMMENDED ACTION

None; receive and file.

BACKGROUND

In accordance with Section 5.4 (b) of the Air District's Administrative Code, Fiscal Policies and Procedures Section, the Board is hereby notified of Air District personnel who have traveled on out-of-state business.

The report covers the out-of-state business travel for the month of January 2020. The monthly out-of-state business travel report is presented in the month following travel completion.

DISCUSSION

The following out-of-state business travel activities occurred in the month of January 2020:

NACAA 2020 Winter Board Meeting, Memphis, Tennessee, January 29, 2020 – January 31, 2020 attendees:

- Jack P. Broadbent, Executive Officer/APCO

American Meteorological Society Annual Meeting, Boston, Massachusetts, January 12, 2020 – January 16, 2020 attendees:

- Richard Lam, Air Quality Meteorologist I
- Charles Knoderer, Air Quality Manager
- Daniel Alrick, Air Quality Meteorologist II
- Caroline Normile, Principal Air Quality Specialist

EPA Measurement Technology Workshop, Research Triangle Park, North Carolina, January 27, 2020 – January 30, 2020 attendees:

- Pon Phithaksounthone, Senior Air Quality Engineer
- Michael Wiley, Air Quality Instrument Specialist II

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Stephanie Osaze  
Reviewed by: Jeff McKay

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Quarterly Report of the Executive Office and Division Activities for the Months of  
October 2019 – December 2019

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**ADMINISTRATIVE RESOURCES DIVISION  
M. MARTINEZ, DIRECTOR**

**Human Resources**

The Human Resources (HR) Office conducted 13 recruitments, including exams for: Air Quality Engineer (2), Air Quality Inspector, Air Quality Instrument Specialist, Air Quality Technician, Assistant Staff Specialist, Deputy Executive Officer, Manager, Principal Air Quality Engineer, Public Information Officer, Senior Environmental Planner, Staff Specialist, and Temporary Administrative Secretary. In addition, the HR Office offered six (6) training sessions, including: Time Management, Project Management, Navigating Common Legal Risks for Supervisors, Microsoft TEAMS, Air District 101: Compliance & Enforcement Team, and Situational Leadership II. The HR Office continues to administer payroll, benefits, safety/worker's compensation, labor/employee relations, and wellness activities. There are currently 372 regular employees, 10 temporary employees, and 43 budgeted vacant positions. There were nine (9) new employees, four (4) promotions, and nine (9) separations from October 2019 to December 2019.

**Business Office**

The Business Office issued 533 purchase orders and executed 96 contracts. There were 11 requests for proposals/qualifications issued during this period.

**Fleet and Facilities Office**

Fleet services disposed of 11 vehicles, acquired 18 vehicles, and sent 70 vehicles for maintenance and/or body shop repairs. There were 338 vehicle requests (187 from Metropolitan Transportation Commission (MTC) staff and 151 from Air District staff), of which 246 were pool vehicles and 42 were Enterprise car rentals. There were 50 cancelled requests. There are currently 133 fleet vehicles: two (2) electric, three (3) hydrogen fuel cell, 77 plug-in hybrids, 23 gas, three (3) compressed natural gas, and 25 hybrids.

Facilities received 75 Angus requests, facilitated 10 furniture orders, and completed 99 ad-hoc projects/tasks. Facilities performs daily maintenance of the coffee machines, replenishes coffee and tea supplies in the Air District coffee bar and pantries, and replenishes office supplies in the copy/supply rooms.

**COMPLIANCE AND ENFORCEMENT DIVISION**  
**J. GOVE, DIRECTOR**

**Enforcement Program**

Air District staff documented 194 air pollution violations that resulted in Notices of Violations (NOV) and responded to 855 general air pollution complaints. These activities addressed noncompliance with applicable federal, state and Air District regulations, and provided a mechanism for the public to voice their concerns about air pollution issues that might be in noncompliance status. Additionally, highlighted enforcement activities for the quarter are as follows:

On October 9, 2019, San Mateo County Department of Agriculture contacted the Air District requesting to burn beehives infested with the American foulbrood disease. The Air District granted the request under Regulation 5, Open Burning, Section 401.1 Disease and Pest. The destructive brood disease is a highly contagious pathogen formed by spore-forming bacteria and there is no cure. Staff explored alternatives to open burning the impacted beehives, including disposal at a wax salvage facility and burning by incineration, but no viable alternative disposal method was identified.

On October 14, 2019, several process units shut down at the Tesoro Martinez Refinery (Tesoro) due to an earthquake that occurred at 10:33 a.m., centered in Pleasant Hill. Flaring >500,000 SCF occurred. Sulfur Dioxide emissions were below 500 lbs. because the flared gases were primarily hydrogen. No ground-level monitors or fence line activity were detected by Tesoro's monitors. A CWS level 1 alert was issued at approximately 11:00 p.m. Units were restarted on October 15, 2019. No complaints were received related to this flaring episode.

On October 25, 2019, the Air District became aware of multiple readings above 60 ppb Hydrogen Sulfide (H<sub>2</sub>S) at the Richmond Sewage Treatment Plant monitors. Odor complaints associated with these readings were received and investigated by Air District staff. Maintenance work was being done on one of two clarifiers and this was identified as the cause of the H<sub>2</sub>S on October 22, 24, 25 of 2019 (the highest of which reached 142 ppb on October 25, 2019). The facility took corrective action, but the action was ineffective. The clarifier was returned to service on October 26, 2019, and H<sub>2</sub>S peaked again on the October 28, 2019 (99 ppb), with an odor complaint of "sewage" confirmed on that date. Investigation revealed that this plant is in poor condition with multiple key components that have been out of service. The City has plans, that have not yet been approved, to add a new biofilter to abate the headworks, a new grit filter (currently non-op), new DAF units (only one operable now), and a new chemical treatment plant. However, the facility operators are awaiting approval from the City to proceed with the upgrades. As a result of the offsite odor impacts, the Air District issued public nuisance violations to both Veolia and the City of Richmond.

On November 5, 2019, the Air District Hearing Board granted an Emergency Variance (Docket #3718) to Redwood Landfill for its non-operation of its landfill gas collection and emission control system, due to Pacific Gas and Electric (PG&E)'s Public Safety Power Shutoff (PSPS). On October 26, 2019, PG&E executed a PSPS event due to extreme wind conditions and increased wildfire risks in PG&E service areas. The PSPS event impacted over 1.3 million Bay Area residents and lasted several days in some regions of the Bay Area. Governor Newsom issued a Proclamation of a State of Emergency, directing collective support from public agencies, stakeholders, and organizations to assist and minimize impacts, utilizing maximum discretion to provide relief.

On November 6, 2019, Kirby Canyon Landfill was granted an emergency variance for the shutdown of the landfill's gas collection system during a PG&E PSPS. The magnitude and scale of those impacted by the PSPS event was unforeseeable and the resultant power outage at the Kirby Canyon Landfill was unpreventable. The facility was granted an emergency variance by the Hearing Board, subject to conditional requirements should another PSPS impact the facility within a 30-day period. The landfill returned to operating in compliance status, as no other PG&E PSPS outages affected the facility thereafter.

On December 3, 2019, the United States Environmental Protection Agency (U.S. EPA) announced a settlement agreement (Consent Decree) with Lehigh Cement Company, LLC, that resolved alleged Clean Air Act violations at nine (9) of its Portland Cement Manufacturing facilities, including Lehigh Southwest Cement, Cupertino. These facilities will be required to meet lower emission standards for nitrogen oxides and sulfur dioxides.

On December 10, 2019, the Hearing Board heard Docket #3719, NuStar/Shore Terminals, LLC (NuStar), Interim and Short-Term Variances. A fire occurred at NuStar on October 15, 2019, which caused the collapse of two (2) storage tanks, and the loss of the storage tank vapor recovery unit (VRU). The Hearing Board granted the variance.

On December 11, 2019, staff participated in an unannounced EPA Region 9 compliance inspection at AB&I Foundry. EPA conducted the inspection to determine compliance with the volatile organic hazardous air pollutants (VOHAP) limit required by MACT Subpart EEEEE Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries.

On December 20, 2019, Valero Benicia Refinery de-pressured process units to flare following the discovery of a "pinhole" leak on a hydrogen recycle line. Valero submitted flare notifications for exceeding 500,000 dscf of flared gas on December 20, December 21, December 22 of 2019. The District only received one (1) complaint related to the flaring.

## **Compliance Assurance**

Air District Staff conducted over 1,864 inspections of permitted facilities, gasoline dispensing stations, asbestos demolition and renovation jobs, open burning, portable equipment, and mobile sources. Additionally, highlighted inspection activities for the quarter are as follows:

On October 15, 2019, a delegation from China visited a power generation facility at the UC Berkeley natural gas turbine, cogeneration facility. The delegation expressed interest in how the Air District enforces and conducts inspections to determine compliance with emission limits. The group had the opportunity to observe emission controls and monitoring to comply with Air District rules and regulations. Members of the delegation included the Managing Director of the Beijing Institute of Environmental Protection and Division Chief for the Beijing Environment Bureau.

Air District staff worked with the Sonoma County Farm Bureau (SCFB) to develop an Agricultural Diesel Engine Compliance Assistance Program to help affected stakeholders comply with upcoming state and Air District emission limits for diesel engines used for agricultural operations. SCFB was committed to provide an Ombudsman for Sonoma County to help with this outreach and assistance.

On November 8, 2019, staff participated in a conference call with Board Member Zane, the SCFB, and winery representatives from Sonoma County to discuss details of the Agricultural Diesel Engine Compliance Assistance Program. The parties discussed program details and topics pertaining to the draft contract in development with SCFB.

On November 20, 2019, the Air District Board of Directors voted to approve funding for a comprehensive odor study in the South Bay. Staff have been participating in the quarterly South Bay Odor Stakeholder Group meeting where stakeholders continue to stress the importance of understanding specific odor compounds in the Milpitas community and its contribution from the local waste facilities, with the intention to resolve all reoccurring odor issues. The study will include utilizing new technologies available to help identify and quantify odorous compounds and gather data over a period of a year or more to capture seasonal and operational changes in the waste industry. Air District staff plan to share the draft scope of study with the stakeholder group and provide opportunities for stakeholder input before the study begins.

On December 4, 2019, Compliance & Enforcement and Planning staff participated in a West Oakland bus tour led by the Assembly Bill (AB) 617 steering committee co-leads from the West Oakland Environmental Indicators Project (WOEIP). This tour was for California Air Resources Board (CARB) Board members who voted to approve the AB 617 West Oakland Community Action Plan. The tour drove by several sources of community concern, such as Howard Terminal, Custom Alloy (CASS), Schnitzer Steel, and the Port of Oakland.



Air District staff participated in monthly conference calls with representatives from Lehigh Southwest Cement. Topics included the Facility's Title V permit renewal process, their Rock Plant authority to construct amended application, and other permit and enforcement related issues. The draft Title V permit had been sent to the U.S. EPA for a 45-day review period.

Staff held monthly conference calls with CARB in an effort to integrate the Air District's existing prescribed burn and smoke management plan procedures into the statewide Prescribed Fire Information Reporting System (PFIRS). Integration is expected in sometime in 2020.

Staff participated in monthly conference calls with the California Air Pollution Control Officers Association (CAPCOA) Prescribed Burn Workgroup. Meeting participants included representatives from CAPCOA, CARB, U.S. EPA, and other local air districts.

Staff approved five (5) Asbestos Dust Mitigation Plans (ADMPs) for the following projects: 1.) RIN NOA-0179, Gateway of Pacific Phase 2 project in South San Francisco, 2.) RIN NOA-0183, Platform 16 project in San Jose, 3.) RIN NOA-0185, Doyle Drive Phase 3 project in San Francisco, 4.) RIN NOA-0187, Mission Rock project in San Francisco, 5.) RIN NOA-0188, Mission Bay Park P-3 project in San Francisco. These NOA projects are required to perform asbestos ambient perimeter air monitoring and submit results to the Air District on a bi-weekly basis. Twelve (12) proposed ADMPs are currently under review.

In addition, staff reviewed six (6) new ADMP amendment requests and approved four (4) ADMP amendments for the following projects: 1.) RIN NOA-0106, Hunters Point Development Area- Artists' Parcel in San Francisco, 2.) RIN NOA-0089, Candlestick Point Development in San Francisco, 3.) RIN NOA-0104, KB Home Communications Hill 2 Phase 2 in San Jose, 4) RIN NOA-0178, Gateway of Pacific Phase 3 in South San Francisco.

### **Compliance Assistance and Operations Program**

On November 20, 2019, Air District Board of Directors adopted amendments to Regulation 5 (Open Burning) and Rule 6-3 (Wood-Burning Devices). The Rule 6-3 amendment establishes a mandatory burn ban year-round when PM<sub>2.5</sub> reaches 35 ug/m<sup>3</sup>, to further protect air quality and public health when wildfire smoke impacts the region. The Regulation 5 amendment aligns with statewide fuel reduction projects and exempts open burn fees to public agencies when conducting prescribed burns for wildfire prevention.

The Compliance & Enforcement Division has scheduled five (5) public workshops to solicit community input to update the Air Quality Complaint Investigation Guidelines. The workshops include a presentation on the current complaint guidelines, a question and answer session, and an open house. On December 9, 2019, staff hosted the first public workshop in San Francisco, with additional workshops scheduled for January 28, 2020 in Santa Rosa, January 30, 2020 in Oakland, February 4, 2020 in San Jose, and February 5, 2020 in Martinez. Staff will be accepting public comments until February 12, 2020. Staff plan to revise the complaint guidelines by mid-2020 to streamline and improve the complaint reporting and investigation process and enhance community understanding of Air District work and mission.

Staff have been developing a partnership with the American Red Cross (ARC) as part of the Wildfire Air Quality Response Program (WAQRP) to enhance emergency coordination efforts when wildfire smoke impacts the region. This effort is intended to identify near and long-term strategies to fund ventilation retrofits to create a network of facilities with high performance air filtration, including the use of portable air filtration units at evacuation centers and sheltering facilities. During the Kincadee fire in October 2019, staff coordinated with the ARC to deploy two (2) portable air filtration units to the evacuation center at the Petaluma Fairgrounds. The portable air filtration units were pilot tested for functionality and evaluated for ease of storage and deployment by ARC Disaster Services staff. In 2020, staff intend to work closely with the state to develop funding guidelines for AB 836, Wildfire Smoke Clean Air Center Incentive Program for Vulnerable Populations, where \$5.5 million has been allocated statewide.

Air District staff received and evaluated over 1,890 plans, petitions, and notifications required by the asbestos, coatings, open burn, tank, and flare regulations. Staff received and responded to over 20 compliance assistance inquiries and green business review requests. Highlighted compliance assistance activities for the quarter also included the following:

The Stubble Burn Season (September 1, 2019 to December 31, 2019) ended. Air District staff approved two (2) stubble burn projects in Sonoma County and a total of 87 acres were burned for the season.

Air District staff approved seven (7) prescribed burn smoke management plans in Contra Costa, Marin, Napa, Solano, and Sonoma County.

The *Winter Spare the Air* season began November 1, 2019. Staff mailed out 183 informational packets to residences that received complaints regarding wood burning. During the last quarter of 2019, the Air District received 299 complaints regarding wood burning.

Air District staff completed the data verification and posting of refinery flare monitoring data through October 2019.

Air District staff conducted 172 inspections for the Strategic Incentives Division (SID).

**TECHNOLOGY IMPLEMENTATION OFFICE  
ANTHONY FOURNIER, OFFICER**

The Technology Implementation Office's (TIO) mission is to connect climate technologies and customers by providing financial incentives (through grants and loans), as well as technical and matchmaking support.

**Climate Tech Finance** ([www.baaqmd.gov/ctf](http://www.baaqmd.gov/ctf))

The Climate Tech Finance program is an accelerator for emerging, lower-carbon technology deployment. This partnership between the Air District and the California Infrastructure and Economic Development Bank (IBank) offers loans of up to \$30 million for Bay Area facilities adopting technologies that reduce greenhouse gases, and 90% loan guarantees to small businesses commercializing technologies for deployment in the Bay Area.

- Climate Tech Finance enrolled two (2) startups in the loan guarantee program. The first loan guarantee has been offered for a company whose residential energy storage technology has the potential to reduce peak electricity usage, to prevent use of diesel backup power, and to prevent thousands of tons of greenhouse gas emissions per year. The second loan guarantee has been offered for a company to deploy an energy recovery system that will provide low-carbon electricity to the operator of the Port of Oakland.
- Staff are discussing financing options and working on loan guarantees for a dozen other small business ventures in bioplastics, energy storage, organics recovery, transportation, and construction spaces.
- Staff performed outreach on wastewater treatment plants around the Bay Area and have introduced all fifty of them to Climate Tech Finance via a combination of emails, phone conversations, and in-person meetings. As an outcome from this outreach, we have three (3) strong project leads and several promising prospects.
- Staff continue to work with program partners in the next-generation energy system and advanced energy storage space. These include BayREN and the roughly ten Community Choice Aggregation (CCA) and municipal energy programs around the Bay Area. Outreach specifically focuses on speeding up deployment of advanced energy storage and non-diesel backup power in advance of the 2020 wildfire season.

In addition to reducing financial risk, Climate Tech Finance supports low-carbon technology deployment with technical assistance and events that match technology providers and technology adopters.

- Staff held the quarterly Climate Tech Network event on October 21, 2019. Building off the August 2019 event on energy storage technologies, this meeting provided a technology showcase and peer-to-peer learning opportunities for microgrid technologies. Projects at two (2) wastewater treatment plants were presented as case studies, and three (3) vendors of microgrid components provided short presentations on their technologies and value propositions. Representatives from 75 organizations have attended Climate Tech Network events in 2019.

Climate Tech Finance staff also engaged in external conference and networking events to discuss the program and identify project partners.

- Staff attended the VERGE sustainable technology showcase in Oakland on October 22-24, 2019.
- Staff presented at the California Bioresources Alliance Symposium in West Sacramento on November 14-15, 2019.

### **Clean Cars for All** ([www.baaqmd.gov/cleancarsforall](http://www.baaqmd.gov/cleancarsforall))

Incentives for low income households to retire older, high-polluting vehicles and replace with a newer, cleaner vehicle or alternative transportation options (e.g. Clipper card).

- A grant from CARB provided \$5 million (M) for the program to run for two years. In June 2019, the Air District finalized an agreement with CARB for an additional \$5M to expand the program to the end of Fiscal Year Ending (FYE) 2021 and expand program eligibility.
- CARB intends to allocate an additional \$4M to the Air District for FYE 2021 to continue and expand the Clean Cars for All program.
- Staff implemented the new online grant management system and launched the program in March 2019, and successfully updated the system to reflect the expanded program eligibility.
- TIO Staff and Communications Office Public Information Officers (PIO) released a press release to announce the expansion of the program via social media and traditional press channels the week of November 18, 2019.
- Staff finalized partnerships with 42 local dealerships and two (2) vehicle scrappers (seven (7) Bay Area locations).
- Staff successfully held and attended 22 outreach events across the Bay Area since March 2019.

- As of the end the fourth quarter of 2019, 589 applications had been submitted and 223 grants were awarded, totaling \$1.9M.

**CHARGE! Program for Electric Vehicle (EV) Infrastructure** ([www.baaqmd.gov/charge](http://www.baaqmd.gov/charge))

Grants to install light-duty electric vehicle charging infrastructure, focusing on expanding the coverage of charging stations and multi-dwelling units.

- The Charge! application period closed on June 30, 2019, with applications totaling over \$6.6M.
- Staff received approval from the Board for three (3) projects over \$100,000.
- For previously awarded projects for this program, as of December 31, 2019, 597 Level 2 and 10 DC Fast charging ports have been installed and 1,470 Level 2 and 45 DC Fast charging ports are under construction.
- A contract to migrate the Charge! program to the Fluxx online grant management system was executed and staff has started to prepare for the necessary data migration.

**EV Outreach and Partnerships**

The Air District received \$5M of funding over five (5) years, for EV Outreach and Partnerships, that has been obligated by the Federal Highway Administration and CalTrans. This funding will support staff time and resources for EV outreach and partnerships that will support and enhance the EV incentives programs.

- The Air District is completing a contract with the Center for Sustainable Energy related to market research and surveys to study perceptions, knowledge, and barriers among consumers across socioeconomic and geographic diversity, property managers, fleet managers, and dealers.

Outreach and Partnership staff engaged in conference and networking events to discuss our various EV program, including:

- VERGE, in Oakland October 22-24, 2019.
- Behavior, Energy, and Climate Change Conference, in Sacramento, November 17-20, 2019.
- AWMA, Bracing for Climate Change, in Santa Barbara, December 11-12, 2019.
- Silicon Valley Clean Energy, Innovation Onramp Program, December 13, 2019.

**ENGINEERING DIVISION  
P. LEONG, DIRECTOR**

**California Environmental Quality Act (CEQA) Projects**

**Schnitzer Steel's Ocean-Going Vessel (OGV) Increase Project (Oakland):** Schnitzer Steel submitted Air District Permit Application #29411 to increase the allowable number of OGVs transporting materials from Schnitzer Steel's scrap metal recycling facility in Oakland, California from 26 ship calls per calendar year to 32 ship calls per calendar year. Recently, smaller ships and partially loaded ships have been used to transport Schnitzer Steel's scrap metal, resulting in the need to have more ship calls per year to transport the same amount of material. This application will not change any of the existing throughput limits at this facility. The Air District expects to have the role of California Environmental Quality Act (CEQA) lead agency for this OGV Increase Project. The project does not involve any physical changes to the facility or to any associated equipment at the facility. This project also does not involve any change in the overall amount of scrap metal that the facility will process. Permit condition changes will be limited to the number of ship calls per calendar year and the definition of a ship call. The Air District posted a Request for Proposal (RFP) for a CEQA review consultant for this project on October 10, 2019. The Air District has completed its panel review of the bidders and the Board of Directors authorized the contract at its January 29, 2020 meeting.

**Impact Transportation (Oakland):** In January 2019, the Air District received an application for a methyl bromide fumigation project to be located at the Port of Oakland. To comply with the Air District's Toxics New Source Review requirements, the facility was required to reduce the hourly and annual emissions, limit the hours of operations, and make stack modifications. On November 2019, the Alameda County Department of Agriculture issued the Restricted Materials Permit, with the renewed permit set to expire on December 31, 2020. The Restricted Materials Permit is equivalent to the Environmental Impact Report that will be used to meet CEQA requirements. The Air District will prepare a Notice of Determination with the evaluation for this project. Permit conditions for this facility will include the changes implemented for compliance with Regulation 2, Rule 5 and require an active Restricted Materials Permit. The Authority to Construct will be issued and the Notice of Determination will be filed with Alameda County during the first quarter of 2020.

**Sequoia Data Center (Santa Clara):** On November 6, 2019, the Air District received an application for the Sequoia Data Center (submitted by Cyrusone, LLC), located at 2600 De La Cruz Blvd. in Santa Clara. The center will consist of 54 2.25-MW standby diesel generators equipped with diesel particulate filters. Cyrusone has applied for Small Power Plant exemption (SPPE) from the California Energy Commission (CEC). The CEC acts as the lead agency under CEQA and will prepare an Initial Study and Mitigated Negative Declaration before it issues a SPPE to the applicant.

## **Permits and Projects**

**Marathon Corporation (Tesoro, Martinez):** Marathon applied to construct the following sources at the Amorco Marine Terminal that will replace an existing groundwater remediation system currently permitted by a contractor: S-59 Soil Vapor Extraction abated by A-59 Thermal Oxidizer, S-60 Groundwater Remediation Storage Tank abated by A-60 Carbon Adsorption, S-62 Groundwater Hydrocarbon Recovery System and S-63 Terminal Slop Oil Sump. The Authority to Construct was issued and a Notice of Exemption for CEQA was filed with Contra Costa County on September 26, 2019.

**Marathon Golden Eagle Refinery (Tesoro, Martinez):** Marathon is collaborating with Fulcrum Bioenergy, Inc. (Fulcrum) to produce clean, renewable, low-carbon-footprint transportation fuels from Municipal Solid Waste (MSW). In Reno, Nevada, Fulcrum will convert the MSW into a waxy hydrocarbon known as a Fischer-Tropsch Liquid (FTL), suitable for further processing in Marathon's Fluid Catalytic Cracking Unit (FCCU). Marathon will replace the current FCCU feed gas oil with up to 4,000 BPD (5% of permitted FCCU capacity) of FTL. The Authority to Construct was issued and a Notice of Exemption filed with Contra Costa County on November 5, 2019.

**Chevron Richmond Refinery:** Chevron applied for an Authority to Construct an abrasive blast pad and a paint pad. The new structures will be used for cleaning and painting refinery process equipment. Chevron currently cleans and paints equipment in other permitted booths. The proposed blasting and painting areas will accommodate large equipment that do not fit in the current structures and will also provide additional maintenance capacity during turnarounds. The paint pad, S-6057, will be used to apply coatings to miscellaneous metal parts including carbon steel products. The Authority to Construct was issued and a Notice of Exemption filed with Contra Costa County on December 27, 2019.

**Shore Terminals, LLC (NuStar in Crockett):** NuStar applied to alter three (3) organic liquid storage tanks (S-40, S-42, and S-43), all abated by Charcoal Adsorption Vapor Recovery Systems (A-421 and A-422). NuStar needed to replace the piping infrastructure at the terminal's Tank Farm 3, which was damaged by a fire on October 15, 2019. The fire destroyed two (2) storage tanks (S-39 and S-41), and damaged or destroyed sections of the liquid pipelines associated with tanks S-40, S-42 and S-43 and the vapor pipelines connecting the storage tanks to their A-421 and A-422 vapor recovery units (VRUs). Replacement of the liquid and vapor piping allowed Shore Terminals to empty the denatured ethanol which is stored in the tanks (S-40, S-42, and S-43) and discharge the vapor to their VRUs (A-421 and A-422) so that they can be ready for full internal API 653 inspection. An Authority to Construct was issued and Notice of Exemption was filed with Contra Costa County on November 18, 2019.

**Tesla Motors, Inc. (Fremont):** Tesla applied for a change in formulation for windshield wiper fluid stored at S-4022 and S-4023. Emissions of organics will increase by less than 0.10 tons per year and will be offset. A change of condition was issued on September 23, 2019.

Tesla applied for an Authority to Construct S-4028 Paint Hospital and requested a change of condition for S-1020 Paint Hospital. Emissions of organics will increase from these two (2) sources by 0.88 tons per year and 0.43 tons per year, respectively. Emissions of organics will be offset. An Authority to Construct and a change of condition was issued on October 16, 2019.

**Tri-City Rock (Fremont):** Tri-City Rock (TCR) is a concrete batch plant that has been located on Osgood Road in Fremont since 1991. The Stratford School, a private pre-K through 8<sup>th</sup> grade school, was recently built next door to TCR. Since the opening of the school in August of 2018, the parents have voiced their concern about the effects of emissions from TCR on the health of their children. The Air District first held a public meeting in November of 2018 to discuss the role of the Air District, the permit at TCR and to listen to the parents' concerns. The Air District has worked with both TCR and the school in order to minimize the children's exposure to particulate matter.

TCR recently exceeded their throughput limit on cement production and have applied for an increase. Air District staff have completed the analysis of TCR's permit application requesting the increase in concrete throughput. The facility has agreed to reduce their requested throughput increase to 54,150 cubic yards per year of concrete, which is a 35% increase above their currently permitted level of 40,000 cubic yards per year. TCR also agreed to install state of the art controls on the main truck loading operation that will significantly reduce particulate matter and toxic emissions from this source. Overall, the permit application will result in site-wide reductions of particulate matter (both PM<sub>10</sub>, PM<sub>2.5</sub>) each toxic air contaminant, and health risks. Air District staff held a public meeting on December 11, 2019 at the Fremont Public Library to present a summary of the proposed permit changes and the resulting impacts and to answer the parents' questions. The permit conditions will require the installation and testing of the new controls prior to increasing the concrete throughput. The Authority to Construct was issued and a Notice of Exemption was filed with Alameda County on December 19, 2019.

**Corteva Agriscience (formerly Dow Chemical Company, Pittsburg):** Corteva Agriscience applied to construct a new feed hopper (S-744) that will transfer solids to an existing permitted mixing tank via an enclosed screw conveyor at their Nitrapyrin Formulation Plant. The new process emits very low particulate emissions and no toxics. The Authority to Construct was issued and the Notice of Exemption for CEQA was filed with Contra Costa County on December 17, 2019.



**Davis Street Transfer Station (San Leandro):** Davis Street SMART applied to construct an Organic Material Compost Facility that will handle 218,200 tons per year of food waste, organics, and green waste. The maximum daily limit will be 1,711 tons per day. The operation will process the organics fraction of the feedstock conveyed from the adjacent Organic Material Recovery Facility, as well as source separated green waste and food waste. The composting will be performed in an enclosed building by in-vessel composting lanes served by baghouses and biofilters. The application required a public comment period because the modification at the facility will result in an increase of organic emissions greater than the significance level of 40 tons per year. The notification was posted on the Air District website and in the Oakland Tribune and Daily Review newspapers. The comment period ended on September 30, 2019. There were only two (2) comments received from the public during the public notification period. The Authority to Construct was issued on November 6, 2019.

**Napa Recycling & Waste Services:** On December 31, 2019, the Air District issued the Authority to Construct to Napa Recycling & Waste Services for its Composting Operation. The Composting Operation consists of covered aerated static piles (CASP) with positive aeration during active composting abated by both water spray and a bio-filter. The permit conditions negotiated with the facility will provide a template for other composting operations within the Bay Area.

**Waste Management of Alameda County (Livermore):** The Air District issued the Title V Renewal Permit to Waste Management of Alameda County (Application #28704) on December 16, 2019. This renewal incorporates two (2) Administrative Amendments (Application #26432 and 27293) and five (5) Minor Revisions (Application #27339, 27662, 28273, 29133, and 29738). The 30-day public comment period for the proposed renewal permit ended on November 12, 2019, and the 45-day EPA review period ended on November 25, 2019. The Air District did not receive any comments from the public or from the EPA.

**East Bay Municipal Utility District (EBMUD) (Oakland):** The Air District issued the Title V Renewal Permit to EBMUD (Application #28689) on November 7, 2019. This renewal incorporates three (3) Minor Revisions (Applications 26296, 26517, and 26686). The 30-day public comment period for the proposed renewal permit ended on August 19, 2019 and the 45-day EPA review period ended on September 6, 2019. The Air District did not receive any comments from the public, EPA, or Air Resources Board (ARB). Comments were received from the facility. The Air District responded and made minor corrections before issuance.

**Tri-Cities Waste Management (Fremont):** The Air District issued the Title V Renewal Permit for Tri-Cities Waste Management (Application #29567) on October 29, 2019. The 30-day public comment period for the proposed renewal permit ended on August 19, 2019, and the 45-day EPA review period ended on September 4, 2019. The Air District did not receive any comments from the public or EPA.

**SFPP, LP (Brisbane):** The Air District issued the Title V Renewal Permit for SFPP, LP (Application #29582) on December 4, 2019. The 30-day public comment period for the proposed renewal permit ended on October 28, 2019, and the 45-day EPA review period ended on November 12, 2019. The Air District did not receive any comments from the public or EPA.

**Production System Project:** As part of the Major Facility Integration (MFI) project, staff has been developing functionality to renew Permits to Operate for the five (5) refineries and seven (7) support facilities using Production System. These renewals represent over 50% of the Air District budget collected from permit fees. This change will allow the Air District to use more accurate emissions data while providing a key step towards full-system cutover. All 12 facilities have renewed and received their Permits to Operate.

**Public Safety Power Shutoffs (PSPS):** To provide more information to the public and regulated community regarding permit requirements for emergency generators, the Engineering Division revised our *Engine Permit* webpage to help applicants better navigate the permit application process and added a link to a new *PSPS* webpage. To assist with outreach, we also printed informational postcards targeted to both businesses and residents to provide information on the permitting and use of emergency generators during PSPS Events.

**Engineering Division Retreat:** The annual Engineering Division retreat was held on October 17, 2019. The goal for the 2019 Retreat was to refocus on the Division's core function of permitting, remove the application backlog, and issue permits in a timely manner. The retreat started with a presentation of Air District and Engineering Division priorities for the coming year. The goals and outcomes from the 2018 Retreat were reviewed followed by a presentation of the statuses of the continuous improvement projects that were identified last year. Permit statistics were presented and showed that the backlog grew in 2016-2017, when additional time and work on rule development were needed, followed by additional work required by these new rules, such as Regulations 12-15 and 11-18. Group exercises included: a warm-up exercise (identification of time spent working on permit applications, identification of non-permit application work and tasks, and sharing of tips to prioritize and organize time and workload), brainstorming accelerated permitting for non-traditional and innovative technologies, and discussion and potential resolution of pain points related to the permitting programs in the different sections and groups. The Engineering management team is reviewing these pain points and determining how to implement the improvements identified by the staff.

**California Air Pollution Control Officers' Association (CAPCOA) Engineering & Toxics Symposium:** On October 7 and 8 of 2019, staff attended the annual symposium sponsored by CAPCOA in Folsom, California. The symposium had approximately 100 attendees. Staff presented updates on the AB 617 West Oakland Community Action Plan and Richmond Air Monitoring Plan. South Coast Air Quality Management District, San Diego County Air Pollution Control District, and San Joaquin Valley Air Pollution Control District also gave updates on their respective AB 617 community plans. Presentations were also made on the Cal Recycle/CAPCOA Composting Workgroup, Monterey Bay's Cannabis Oil Extraction Production permitting experience, California Air Resources Board's (CARB's) Methane Hotspots Research, San Diego's Pure Water Project, CARB's AB 617 Best Available Control Technology/Best Available Retrofit Control (BACT/BARCT) Technology Database Development, and CAPCOA Air Toxics and Risk Manager Committee's work groups' updates.

**CAPCOA Engineering Managers Committee:** On October 7, 2019, staff participated in the quarterly conference call. During the call, CARB presented upcoming Regional Haze State Implementation Plan requirements and updates on its Permit Evaluation and Support Section. EPA presented regulatory and electronic permit submittal updates. Several Toxics and Risk Managers Committee workgroups also provided updates on the AB 2588 Emission Inventory Criteria and Guidelines Regulation, Air Toxics Emission Factors Tables/Clearinghouse, Diesel Engine Industry-Wide Risk Guidelines, Autobody Shop Industry-Wide Risk Guidelines, and Gasoline Dispensing Industry-wide Risk Guidelines.

**National Association of Clean Air Agencies (NACAA) Permitting and New Source Review Committee:** On September 11, October 7, and December 11, of 2019, staff participated in the monthly conference call of NACAA. During the calls, the following topics were discussed: U.S. EPA provided updates and answered questions on its Proposed New Source Review Error Corrections Rule, Final Adjacency Guidance for New Source Review and Title V Source Determinations in all industries other than Oil & Gas, Final Ambient Air Guidance, and Proposed Environmental Appeals Board Reform Rule. The Wisconsin Department of Natural Resources presented the results of its survey on agency practices regarding incorporation of New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants into permits. NACAA also announced and discussed its preliminary plans for its NACAA Permitting and Enforcement Workshop scheduled for February 2020, in St. Louis, Missouri, EPA's proposed "Project Emissions Accounting Rule" for New Source Review and EPA's effort to develop a policy on oversight of delegated permitting programs. NACAA plans to submit comments on the proposed "Project Emissions Account Rule," since the proposed changes could impact state and local agency permit requirements.

**California Energy Commission (CEC) Evidentiary Hearing for Laurelwood Data Center:** On November 1, 2019, the Air District engineering division staff testified at the evidentiary hearing for a small power plant exemption for the Laurelwood Data Center that will be located in Santa Clara. The CEC is the lead agency under CEQA for this project and the hearing was held at the CEC headquarters in Sacramento. The data center will feature 56 3-MW standby diesel engines to provide emergency electrical generation in support of the 640,000 square foot facility. The Air District testimony primarily addressed the recently approved Engineering Division policy regarding the method for calculating the potential to emit for emergency standby generators and its potential impact on the Laurelwood Data Center with respect to Title V applicability and emission offset requirements. The NSR application for this project has not yet been submitted to the Air District.

### **Rule Development and Implementation**

**Regulation 11, Rule 18, Reduction of Risk from Air Toxic Emissions at Existing Facilities:** The Rule 11-18 Implementation Work Group met at Air District Head Quarters on September 20, 2019. Staff provided an update on implementation status and presented two (2) draft guidance documents: Toxic Air Contaminant Emission Factor Guidelines and Health Risk Assessment Modeling Protocol. Staff also discussed plans for public noticing of health risk assessment results.

On November 21, 2019, the Air District sent the first Rule 11-18 Health Risk Assessment (HRA) to the facility, Irvington Memorial Cemetery, for review and comment. The preliminary health risk results exceed the 2020 risk action levels, and this facility is expected to be subject to the Rule 11-18 risk reduction requirements.

In December 2019, the Air District added Schnitzer Steel (Facility ID # 208), located in Oakland, CA, to the list of Phase I facilities. Staff provided an update on the implementation of Regulation 11, Rule 18 to the Stationary Source Committee on December 16, 2019.

*Irvington Memorial Cemetery (Fremont):*

- Air District completed the first preliminary HRA in November 2019;
- Draft HRA sent to the site for the required 90-day review period;
- Draft should be posted to website in March 2020 for a 45-day comment period; and
- After considering public comments, plan to finalize HRA by end of June 2020.

*Next Facilities:*

Staff expects to send preliminary HRAs to Owens Corning Insulating Systems and the City of Santa Clara in January 2020, and to Los Medanos Energy Center in February 2020. The next HRAs scheduled are: AB&I, FXI, and Genentech, followed by Lehigh and several landfills. Most of the preliminary HRAs for Phase I sites should be completed during 2020.

For any preliminary HRA's sent to a site at the end of 2020, a final decision will take between six (6) months (if no comments are received) to eight (8) months but should be completed by end of August 2021.

For the petroleum refineries, staff expects:

- Preliminary HRAs will not be completed until mid-2021;
- Final HRA decisions will not be completed until mid-2022; and
- Any required risk reduction plans would not be approved until end of 2023.

This estimated schedule is a result of:

- A delay in the TAC emissions inventory (contingent on approved Regulation 12, Rule 15 emissions inventories and finalizing the Heavy Liquids Study);
- An expectation that finalizing HRAs will take up to 12 months; and
- An expectation that risk reduction plan submittal, review, and approval process will take at least 18 months.

**Regulation 12, Rule 15, Petroleum Refining Emissions Tracking:** All five (5) refineries and several of their support facilities submitted their Annual Emissions Inventories required by Regulation 12-15-401 the week of June 30, 2019. Deficiency letters were mailed to the facilities on August 11, 2019, and responses have been received. Staff reviewed facility responses for acceptance and are working on finalizing emissions inventories.

Separately, staff proposed amending the rule to align the Regulation 12-15 emissions inventory submittal deadline with deadlines included in the AB 617 inventory rule (Criteria and Toxics Reporting Regulation) that was adopted by CARB's Board of Directors in December 2018. The draft rule and staff report were put on public notice on November 1, 2019. Staff presented the amended rule and the rule was adopted by the Board of Directors on December 4, 2019.

**Regulation 13 Methane Rules:** Staff continues to participate in the rule development process for the following methane and volatile organic compounds (VOC) rules for organic recovery facilities:

- 13-2 Material Recovery Facilities, Transfer Stations, and Chip & Grind
- 13-3 Composting
- 13-4 Sewage Treatment and Anaerobic Digestion
- 8-24 Landfills

**Organic Emission Estimation (OEE) Taskforce:** Staff is participating in the OEE Taskforce and source-specific sub-groups in support of gathering emission data and assessing data gaps for the organic recovery rules discussed above.

**Heavy Liquids Study:** Staff is working with Legal, Enforcement, and Rule Development to address a path forward for developing revised average emission factors for fugitive emission leaks from heavy liquid service components. All five (5) refineries finished screening and bagging of study components and analytical lab results have been reviewed by the Source Test Section. Staff is participating on a biweekly conference call with Western States Petroleum Association's technical personnel to discuss methodologies for developing revised average emission factors.

**California AB 617 Criteria and Toxics Reporting Rule Uniform Emissions Inventory Workgroups:** Engineering staff were responsible for soliciting volunteers and collecting nominations for source categories to study for the Uniform Emissions Inventory Workgroups through the CAPCOA Engineering Managers Committee. Staff led a conference call with other local air districts, CARB, and CAPCOA to discuss timing, process, and next steps for the electrical generation, petroleum refining, and landfill workgroups. CARB also gave an update on the status of the proposed modifications to the CTR regulation, which became effective on January 1, 2020. Update meetings were held on October 1, October 15, October 23, October 31, November 20, December 3, and December 4 of 2019. The workgroups are targeting guidance documents to be drafted in 2020. On October 18, 2019, staff participated in a community meeting in South Vallejo, California. Topics included: the authority to regulate and permit sources of air pollution, CEQA and land use, Rule 11-18, the Air District role during emergency events, and the Air District complaint process. On November 2, 2019, staff participated in the AB 617 Community Summit for the Richmond-San Pablo community area. At the summit, staff helped answer questions from the attendees on current Air District activities that reduce emissions in the area.

**AB 617 Best Available Control Technology/Best Available Retrofit Control Technology (BACT/BARCT) Working Group:** Staff participates in the CARB's bi-weekly conference calls of the BACT/BARCT Working Group. CARB presented its current work plans and vendor contract updates. Also, CARB has demonstrated its BACT and BARCT databases under development for input.

**LEGAL DIVISION  
B. BUNGER, DISTRICT COUNSEL**

The Air District Counsel's Office received 138 violations reflected in Notices of Violation (NOVs) for processing.

Mutual Settlement Program staff initiated settlement discussions regarding civil penalties or passing the Wood Smoke Awareness Course for 85 violations reflected in NOVs. In addition, three (3) Final 30 Day Letters were sent regarding civil penalties for three (3) violations reflected in NOVs. Finally, settlement negotiations resulted in collection of \$130,700 in civil penalties for 105 violations reflected in NOVs.

Counsel in the District Counsel's Office initiated settlement discussions regarding civil penalties for 10 violations reflected in NOVs. Settlement negotiations by counsel resulted in collection of \$272,456 in civil penalties for 61 violations reflected in NOVs.

**COMMUNICATIONS AND PUBLIC INFORMATION DIVISION  
K. ROSELIUS, ACTING OFFICER**

**Media Inquiries**

Staff responded to numerous media inquiries, including requests about:

- AB&I Foundry complaints
- Air Monitoring Listening Session in Benicia
- Air monitors
- Air quality
- Air quality data
- Backup generators
- Brisbane fire
- Burn bans
- California refinery legislation
- California waiver
- Camp Fire
- Clean Cars for All
- Diesel generators
- Enforcement data
- Kincade Fire – ~100 interviews
- Lehigh cement
- Milpitas odor study
- N95 masks
- NuStar fire
- NuStar preliminary report
- Owing Our Air plan
- Phillips 66 flaring
- PM Symposium
- Ranch Fire
- Refinery flaring
- Refinery shutdowns
- Rule amendments
- San Jose fire
- Shell
- Smoke Advisory
- Spare the Air

- Stratford School in Fremont – Tri-City Rock
- Tesoro flaring
- Tri-City Rock
- Valero flaring
- Valero settlement
- Wildfire smoke
- Winter Spare the Air
- Winter Spare the Air Alerts
- Wood burning during power outage
- Wood burning rule

### **Media Events/Op-eds**

- Held successful media event with Aclima to announce Richmond-San Pablo monitoring results on January 14, 2020 – Extensive media coverage including national media.
- Working to place op-ed from Jack about wood burning rule amendments with San Jose Mercury News – Set to run soon.
- Placed op-ed from Chair Rice about wood burning rule amendments with the Marin Independent Journal – Ran January 1, 2020.

### **Media Highlights**

The Air District was mentioned in 971 print/online stories and 984 radio/video clips from October 2019 through December 2019. Below are media coverage highlights:

- 12/31/2019 [Controlled burns planned in Las Posadas forest near Angwin](#)
- 12/31/2019 [Driving a Tesla in the carpool lane: No longer just a perk for the rich](#)
- 12/29/2019 [The Climate Connection: 2019 Climate Champion challenges Napans to reduce carbon pollution](#)
- 12/29/2019 [Mineta San Jose Airport projects 50 percent passenger growth, proposes expansion](#)
- 12/28/2019 [The Year in Review: Housing, wildfire preparedness top Portola Valley issues](#)
- 12/20/2019 [Permissible burn season closes soon in SW Solano area](#)
- 12/19/2019 [Where the air is never spared](#)
- 12/17/2019 [Air Quality Board Member Rides a Bike to Meeting. Why Is this Newsworthy?](#)
- 12/11/2019 [Letters to the Editor: Roadway pollutants' impact on community health](#)
- 12/10/2019 [Unions Join Companies to Oppose Richmond Coal Ban](#)
- 12/09/2019 [Marin IJ Readers' Forum for Dec. 10, 2019: If weather prediction is wrong, cancel restrictions](#)
- 12/09/2019 [Valero hosting community education night](#)
- 12/07/2019 [With new grant program, Bay Area spreads electric cars to low-income drivers](#)
- 12/06/2019 [Marin nonprofit aims to get more drivers in electric vehicles](#)
- 12/05/2019 [There's A New Plan To Clean Up West Oakland's Air. It Involves Trucks](#)
- 12/04/2019 [Opinion: Why California should toughen standards for electric trucks](#)
- 12/04/2019 [Editorial: Keep public in loop on 'Spare the Air' days](#)
- 12/03/2019 [Op-Ed: Councilman Diep, Why Are You Misleading Constituents?](#)
- 11/30/2019 [Air District Asks People Not To Burn Wood This Weekend](#)
- 11/25/2019 [What's that smell? Officials approve odor study in Milpitas](#)
- 11/24/2019 [Swarm of Fossil Fueled Backup Generators Continues to Grow, With No Response from Regulators](#)

11/24/2019 [Marin County takes on overlooked source of greenhouse gas: concrete](#)  
 11/24/2019 [Bay Area air district adopts year-round wood burning ban powers](#)  
 11/23/2019 [Bay Area air district expands rules for burning wood](#)  
 11/23/2019 [Bay Area air district adopts year-round wood burning ban powers](#)  
 11/21/2019 [Wood burning bans now in effect year-round on Spare the Air days](#)  
 11/21/2019 [Threat Of Wildfires Leads To Stricter Air Quality Rules](#)  
 11/21/2019 [Bay Area wood burning bans now in effect year-round on Spare the Air days](#)  
 11/20/2019 [Air District funding deep data analysis of mysterious odor in Milpitas](#)  
 11/20/2019 [Ban On Wood-Burning On Spare The Air Days Now Year-Round Following Board Vote](#)  
 11/20/2019 [Bay Area Air District bans wood burning year-round to protect air quality during wildfire](#)  
 11/20/2019 [Spare the Air Alerts now ban wood burning year-round in Bay Area](#)  
 11/20/2019 [Wood Burning Bans Now In Effect Year-Round On Spare The Air Days](#)  
 11/19/2019 [Bay Area air district expands Clean Cars for All program](#)  
 11/18/2019 [Tesla, Electric Car Backers Join California Auto Emissions Case](#)  
 11/16/2019 [Prescribed Burn Continues Saturday East Of San Pablo Reservoir](#)  
 11/09/2019 [Spare-The-Air Alerts Called For Saturday And Sunday, Wood Burning Banned](#)  
 11/07/2019 [NuStar Plant in Crockett Reopens Weeks After Fire and Explosion](#)  
 11/06/2019 [Climate Activists Maneuver To Reduce Embodied Carbon in Buildings](#)  
 11/06/2019 [Bay Area group reports on air quality after storage tank fire at NuStar in Crockett](#)  
 11/06/2019 [Smoke wafts into Bay Area from fire just south of Redding](#)  
 11/05/2019 [Smoke from Ranch and Eagle fires forecast to reach Bay Area Tuesday](#)  
 11/05/2019 [Bay Area CCAs Solicit 30MW of Distributed Batteries to Weather Grid Outages](#)  
 11/05/2019 [Californians Turn to Low-Cost Sensors for Highly Local Air Quality Data](#)  
 11/05/2019 [Air Advisory Extended As Smoke From Ranch Fire Drifts To Bay Area](#)  
 11/04/2019 [Is there a public utility option for California's PG&E?](#)  
 11/04/2019 [Air Quality Advisory Issued For Tuesday](#)  
 10/30/2019 [PG&E's Blackouts Are Making It Harder to Measure the 'Toxic Stew' in the Air From California's Wildfires](#)  
 10/30/2019 [While smoke spreads across North Bay, clean air is expected south of Golden Gate](#)  
 10/30/2019 [Latest Spare the Air ties the Bay Area record](#)  
 10/30/2019 [Air District Issues 4Th Straight Spare The Air Alert Due To Wildfire Smoke](#)  
 10/29/2019 [Third straight Spare the Air day coming on Wednesday](#)  
 10/29/2019 [Air District Issues Another Spare The Air Alert For Wildfire Smoke](#)  
 10/29/2019 [Map shows how bad the air quality is across the Bay Area](#)  
 10/29/2019 [Bay Area air quality gets boost from windstorm, but smoke expected to linger](#)  
 10/29/2019 [Smoke forecast: Mostly clear today, sooty air returns later in the week](#)  
 10/29/2019 [The Stink in East Oakland](#)  
 10/28/2019 [Update: Air quality in Berkeley has improved; now listed as 'moderate'](#)  
 10/28/2019 [San Francisco Bay Area Air Pollution: Spare The Air Alert Issued Due To Smoke From Kincade Fire, Other California Fires](#)  
 10/28/2019 [Bay Area smoke: You'll be able to 'taste it and see it' for another day](#)  
 10/28/2019 [Spare the Air alert issued for Tuesday as smoke to hang over Bay Area](#)  
 10/28/2019 [2,300 acre wildfire burns in Grizzly Island Wildlife Area - smoke visible for miles](#)



10/28/2019 [Grizzly Island fire scorches 2,000 acres, sends smoke across Bay](#)

10/28/2019 [Berkeley opens one-night homeless shelter due to air quality concerns](#)

10/28/2019 [How dangerous is wildfire smoke? 'Spare the Air' alert issued in Northern California](#)

10/28/2019 [Two big California wildfires erupted. Now L.A. and the Bay Area are breathing the smoke](#)

10/28/2019 [Air District Issues Another Spare The Air Alert For Tuesday](#)

10/28/2019 [Smoke from wildfires a greater risk to kids and seniors than first thought, scientists say](#)

10/28/2019 [Wildfire Smoke Prompts Spare The Air Alert For Monday](#)

10/27/2019 [Bay Area: Spare the Air alert to start workweek](#)

10/27/2019 [Fire weather forecast: High winds, bad air on Monday](#)

10/27/2019 [13,000 lose power on the mid-Peninsula as smoke from Kincade fire arrives and another wind storm is forecast for Tuesday](#)

10/26/2019 [Smoke from Kincade Fire spreads across Bay Area](#)

10/26/2019 [Bay Area air quality: Kincade Fire smoke could be blown from region](#)

10/26/2019 [Smoke most significant Solano concern from Kincade Fire](#)

10/26/2019 [Bay Area air quality expected to improve as strong winds blow Kincade Fire smoke away](#)

10/26/2019 [Smoke From Kincade Fire Drifts Through Bay Area On Saturday](#)

10/25/2019 [Smoke from Kincade Fire spreading to Bay Area, could impact flights](#)

10/25/2019 [California Wildfire Air Quality Map: Where Smoke Is Raising Health Concerns, Causing Schools To Cancel Class](#)

10/25/2019 [Poor Air Quality Expected In Bay Area Due To Heat, Kincade Fire](#)

10/25/2019 [Residents warned of 'potential hot weather and poor air quality'](#)

10/25/2019 [Smoke from the Kincade fire is spreading across the Bay Area, bringing unhealthful air quality](#)

10/25/2019 [Health officials say N95 masks to filter wildfire smoke may do more harm than good](#)

10/25/2019 [City opens cooling centers in response to heatwave and poor air quality](#)

10/25/2019 [Update: Air Alert Extended Through Saturday Due To Wildfire Smoke](#)

10/24/2019 [Update: Spare The Air Alert Extended Into Friday Due To Wildfire](#)

10/24/2019 [Kincade Fire smoke update: SFO may be affected by worsening air quality](#)

10/24/2019 [Kincade Fire: Smoke expected to spread across Bay Area on Friday](#)

10/24/2019 [What to do to keep wildfire smoke out of your house](#)

10/24/2019 [Air District Issues Spare The Air Alert Due To Wildfire Smoke](#)

10/22/2019 [Spare the Air, business enviro award applications available](#)

10/22/2019 [Results of Air Samples Near Crockett Tank Fire Released](#)

10/22/2019 [Richmond Brings Air Pollution Control To The People](#)

10/21/2019 [Plan to reduce West Oakland air pollution heads to state for approval](#)

10/21/2019 [NuStar fire: Smoke was a problem after Crockett explosions, but lack of wind kept toxins away](#)

10/21/2019 [Smoke, but few toxics in Crockett tank fire air samples](#)

10/20/2019 [Peninsula cities, companies explore partnership to tackle traffic congestion](#)

10/16/2019 [Pittsburg School District Rolls Out New Electric Transit Style School Bus](#)

10/15/2019 [Smoke from Crockett fire affects Bay Area air quality](#)

- 10/15/2019 [Cause of NuStar Explosion and Fire Under Investigation, 'No Concerns' About Integrity of Other Tanks](#)
- 10/15/2019 [Shelter-in-place lifted, I-80 reopens after storage tanks burn, reported explosion at East Bay energy facility](#)
- 10/15/2019 [Bay Area quake caused refineries to flare; 'What happens if there's a big one?'](#)
- 10/15/2019 [Monday's 4.5M Quake Interrupted Operations At 2 Refineries](#)
- 10/12/2019 [California power shutdowns raise air pollution worries](#)
- 10/12/2019 [Smoke from wildfires lingers across Bay Area](#)
- 10/10/2019 [Air District Issues Air Quality Advisory For Smoke In Bay Area](#)
- 10/09/2019 [Richmond v Chevron: the California city taking on its most powerful polluter](#)
- 10/06/2019 [Spare The Air Alert Issued For Monday](#)
- 10/05/2019 [Spare The Air Alert Issued For Sunday](#)
- 10/03/2019 [Downtown Alameda Classic Car Show starting next 25 years](#)
- 10/02/2019 [Lien placed on vehicle despite loan payoff](#)

### **Press Releases**

- 12/23/2019 [Air District asks public to not burn wood over the Christmas holiday](#)
- 12/19/2019 [Permissive burn season closes for stubble fires](#)
- 12/10/2019 [West Oakland community action plan to improve air quality approved by California Air Resources Board](#)
- 12/06/2019 [\\$30 million now available for trucks, switcher locomotives and marine vessels in California](#)
- 12/03/2019 [Lehigh Cement settlement to reduce air emissions in Cupertino](#)
- 11/27/2019 [Air District asks public to not burn wood to reduce air pollution](#)
- 11/26/2019 [Air District & partners launch Drive Clean Bay Area to lower costs of clean air vehicles](#)
- 11/25/2019 [Air District Board of Directors approves funding for comprehensive Milpitas odor study](#)
- 11/20/2019 [Air District strengthens wood burning rule to protect air quality & public health during wildfires](#)
- 11/18/2019 [Media Advisory: Air District hosts media availability after Wednesday vote to strengthen wood burning regulation](#)
- 11/18/2019 [Air District expands Clean Cars for All grant program](#)
- 11/09/2019 [Winter Spare the Air Alerts called for today & Sunday due to wood smoke buildup](#)
- 11/05/2019 [Air District extends Bay Area air quality advisory for smoke from Ranch Fire through Wednesday](#)
- 11/04/2019 [Air District issues air quality advisory for smoke from Ranch Fire for the Bay Area for Tuesday](#)
- 11/01/2019 [Winter Spare the Air season begins today](#)
- 11/01/2019 [Media Advisory Reminder: Path to Clean Air Summit will inform Richmond – San Pablo Community Air Monitoring Plan](#)
- 10/31/2019 [Air District issues air quality advisory for smoke in the upper North Bay through Sunday](#)
- 10/30/2019 [Path to Clean Air Summit will inform Richmond – San Pablo Community Air](#)

- [Monitoring Plan](#)
- 10/30/2019 [Air District calls fourth consecutive Spare the Air Alert for Thursday due to wildfire smoke](#)
- 10/29/2019 [Air District calls third consecutive Spare the Air Alert for Wednesday due to wildfire smoke](#)
- 10/28/2019 [Air District calls another Spare the Air Alert for Tuesday due to wildfire smoke](#)
- 10/28/2019 [Media Advisory: Gina McCarthy keynote speaker at Bay Area Air District event today](#)
- 10/27/2019 [Air District calls Spare the Air Alert for Monday due to wildfire smoke](#)
- 10/25/2019 [Air District extends Spare the Air Alert through Saturday for wildfire smoke](#)
- 10/25/2019 [Air District issues air quality advisory for smoke in the Bay Area Sunday & Monday](#)
- 10/24/2019 [Air District extends Spare the Air Alert through tomorrow for wildfire smoke](#)
- 10/24/2019 [Air District issues Spare the Air Alert today for wildfire smoke](#)
- 10/21/2019 [Media Advisory: Call for applications for Spare the Air Leadership Award](#)
- 10/15/2019 [Air quality advisory for smoke from NuStar fire](#)
- 10/11/2019 [Air Quality Advisory for smoke extended through Saturday](#)
- 10/10/2019 [Air District issues air quality advisory for smoke in the Bay Area](#)
- 10/08/2019 [Permissive burn season closes for fall marsh management fires](#)
- 10/06/2019 [Air District issues another Spare the Air Alert for Monday](#)
- 10/05/2019 [Air District issues a Spare the Air Alert for Sunday](#)
- 10/02/2019 [Air District Board votes to approve community action plan to improve air quality in West Oakland](#)
- 10/02/2019 [Bay Area Air District statement on Governor Newsom's signature of AB 836](#)

## **Public Inquiries**

Phone: 417 public calls

## **Events**

- Cruise 4 Brews – San Mateo (October 6, 2019)
- Biketoberfest – Fairfax (October 12, 2019)
- Rodeo-Hercules Fire District Open House – Hercules (October 12, 2019)
- San Carlos Art & Wine Faire – San Carlos (October 12-13, 2019)
- Day on the Bay – Alviso (October 13, 2019)
- SF Recreation & Parks Safety/Wellness Fair – San Francisco (October 17, 2019)
- Alameda Hospital Community Health Fair – Alameda (October 19, 2019)
- Half Moon Bay Art and Pumpkin Festival – Half Moon Bay (October 19-20, 2019)
- Sunday Streets (Excelsior) – San Francisco (October 20, 2019)
- Gilead Commuter Event – Foster City (October 23, 2019)
- Wheels for Meals – Pleasanton (October 26, 2019)

- Dia de los Muertos – Oakland (November 2, 2019)
- Discovery Day @ Oracle Park – San Francisco (November 2, 2019)
- District 5 Health Fair – Daly City (November 9, 2019)
- SF Jazz Wellness Fair – San Francisco (November 11, 2019)
- Sonoma County Fall Home Show – Santa Rosa (November 22-24, 2019)
- Christmas in the Park – San Jose (December 20-22, 2019)

## **Spare the Air**

- Advertising
  - Summer media placements
    - Third/final flight of summer eco-posters ran from September 30, 2019 to October 25, 2019.
    - Crossings TV spots ran until October 27, 2019.
    - Comcast and broadcast TV spots ran until October 28, 2019.
  - Winter media placements
    - Air District approved the media relations plan and social media strategy for the Winter Spare the Air campaign.
    - The Winter Spare the Air media buy elements began running in November 2019.
      - Includes TV, radio, transit shelters, eco-posters, and digital ads (English and Spanish).
    - Bicycle outreach events: October 3, 2019 in Saratoga, October 11, 2019 in San Jose, October 12, 2019 in Santa Rosa, November 7, 2019 in San Ramon, November 16, 2019 in Alameda, November 20, 2019 in Pleasant Hill, November 23, 2019 in Walnut Creek, November 29, 2019 in San Rafael, November 30, 2019 in Antioch, November 30, 2019 in Pleasanton, December 7, 2019 in Mill Valley, December 7, 2019 in Novato, December 8, 2019 in Concord, December 13, 2019 in Cupertino, December 14, 2019 in Half Moon Bay, and December 15, 2019 in San Jose.
- Creative
  - Last year’s Winter Spare the Air creative revised to address the following:
    - Added “Brought to you by the Bay Area Air Quality Management District.”
    - Updated tagline to be two sentences, “It’s your air. Protect it.”
    - Changed tagline on SMART Train ads to match all other elements.
    - Updated the TV spot end card.
    - Updated bicycle signs.
  - Staff approved eco poster, bus king, transit shelter and SMART Train ads.
  - Staff approved TV ads in English, Cantonese, Vietnamese, and Chinese.
    - Staff approved the Spanish spot with the approved tagline translation.
  - Staff approved English and Spanish digital ads.

- Media Relations
  - Pro시오 is continuing to follow up with the San Jose Mercury News regarding placement of Jack P. Broadbent’s op-ed.
  - Public affairs interview with Bonneville Radio S.F. took place on December 5, 2019.
  - Developed Tri-City Rock talking points for December 11, 2019 meeting in Fremont.
  - Pitched media and coordinated interviews for media availability following the November 20, 2019 Board meeting (amendments to wood burning rule).
    - Outlets in attendance: ABC 7, NBC, Telemundo, KPIX, KCBS, World Journal, Sing Tao.
  - Administrative
    - Staff updated the PIO outreach document for Winter Spare the Air to focus on the year-round burn ban messaging.
    - Staff expanded PIO database to include county and state contacts for emergency and health services.
    - Staff reviewed end of campaign report for summer season.
  
- Social Media
  - Staff working with Pro시오 to develop a growth strategy for Spare the Air social channels.
  - Staff approved series of templated responses for social media inquiries received during the winter season.
  - Staff reviewed analytics reports for the month of September 2019 and Q3.
  
- 2019-2020 Employer Program
  - Staff approved updated work plan for 2019-2020.
  - Staff approved informational flyer to be used at exhibit booths and future events.
  - All printed promotional/giveaway items and tablecloth have been received.
  - Staff presented at Best & Brightest event on November 15, 2019 in Burlingame.
    - Shared program information, handed out giveaway items, and displayed the Employer Program website.
    - Staff addressed all attendees during the opening session.
    - Pro시오 will follow up with contacts made at the Best & Brightest event; will keep the Air District posted with any updates.
  
- Winter Spare the Air Campaign Planning
  - Door-to-door outreach conducted:
    - Friday, November 8, 2019 – Napa
    - Saturday, November 16, 2019 – Menlo Park
    - Saturday, January 11, 2019 – San Rafael
    - Saturday, December 14, 2019 – Petaluma
  - Pro시오 is continuing to compile data for the mail-in surveys received from Napa, Petaluma, and Menlo Park, and sending thank you letters/gift cards to residents.
  - Distributed Spare the Air door hangers in San Jose, Lafayette, and Vallejo.

## **Spare the Air Social Media**

Staff and Proslio actively monitored and posted on social media throughout the Spare the Air season. Facebook, Twitter, Instagram, and Pinterest platforms were monitored.

- Post samples:
  - [Facebook](#)
  - [Twitter](#)
  - [Instagram](#)
  - [Pinterest](#)
- Response samples:
  - [Facebook](#)

In this quarter, follower numbers have increased to 9,589 (+91) on Facebook, 13,692 (+284) on Twitter, 1,110 (+27) on Instagram, and 275 on Pinterest. Updated numbers will be reported moving forward.

## **Air District Social Media**

Staff continues to run social posts daily including:

- Daily, two-day, and five-day air quality forecasts
- Air quality updates
- Acterra Business Environmental Awards
- Acterra post and follower content
- Acterra/Spare the Air Leadership Award call for applications
- Air quality advisory
- Air quality advisory for NuStar fire
- Anti-idling/California Clean Air Day post
- Beginning of Winter Spare the Air season
- Beijing Municipal Ecological Environment Bureau Delegation
- Board approval of West Oakland Community Action Plan
- California Clean Air Day Pledge
- California Clean Air Day reposts
- California share of national electric vehicle sales
- CARB approval of Owning Our Air
- Clean Cars for All program expansion
- Community Health Protection Grant Program recipient
- Deadline to apply for Spare the Air Leadership Award
- Division feature on Meteorology and Measurement
- Drive Clean Bay Area EV discount opportunity
- Drive Clean Marin event invite
- EV Coordinating Council solicitation for meeting facilitators
- EV Coordinating Council's Future of EV Charging Panel
- Honoring Buffy Wicks for her efforts in passing AB 836
- Jack Broadbent's COP25 blog post
- Jack Broadbent's statement on AB 836

- Kincadee fire updates
- Lehigh Cement settlement
- Milpitas odor study funding approval
- New amendments to the wood burning rule
- Northern Sonoma County APCD updates
- Owing Our Air plan Board approval
- Particulate Matter conference invitation
- Path to Clean Air event invite and information
- Pittsburg Unified School District's electric school bus
- PM Conference speakers and topics
- PM Symposium recap and speaker quotes
- Ranch Fire updates
- Reposting local cities' Clean Cars for All posts
- Request to not burn wood over Thanksgiving weekend
- Retweeted Acterra's call for applications for the STA Leadership Award
- Retweeted NWS updates
- San Francisco Chronicle article on Clean Cars for All
- School Air Quality Activity Recommendations
- Shared Lung Force video and COPD Awareness month post from the American Lung Association
- Silicon Valley Clean Energy grant applications
- Spare the Air Alerts
- Staff feature on Alfonso Borja
- Staff feature on Alona Davis
- Staff feature on Chengfeng Wang
- Staff feature on Community Engagement
- Staff feature on May Leung
- Statement by Jack Broadbent regarding CA waiver revocation
- Statements regarding Trump Administration's threat to withhold transportation funding
- Town Hall on Air Quality video
- UCSF article regarding health effects of wildfire smoke
- VW Mitigation Trust funding announcement
- World COPD Day

In this quarter, Air District follower numbers have increased to 3,683 (+183) on Facebook, 9,025 (+1,865) on Twitter, and 1,483 (+118) on Instagram.

### **Videography**

- Staff coordinating with web team regarding outline for the hourly air quality data website tutorials.
- Completing Spare the Air events safety and training video for staff.
- Produced five (5) videos for Technology Implementation Office Climate Tech Finance.
- Brainstorming concepts for Climate Tech Finance event video.
- Clean Cars for All video for Technology Implementation Office completed.
- Documenting all fixed video assets into database.

## Other

- Staff Development
  - Media Training
    - Meteorology & Measurement managers to continue media training.
    - Kristina C. & Juan R. to continue media training.
    - Erin D. completed media training.
  - Spare the Air procedures training
    - Juan R. and Kristina C. receiving Spare the Air procedures training.
    - Erin D. completed Spare the Air procedures training.
  - Staff will attend CAPIO's 2020 Emergency Communications Academy.
  - Initial required ICS training for Communications Office staff to be completed by end of January 2020.
  
- 2019 Annual Report
  - Collecting content/data.
  - Working with photographer on photos.
  - Working with videographer on two videos: West Oakland CAP and Executive Officer message.
  - Determining staff video interviews.
  
- Graphic Design Projects
  - December 9, 2019 Complaints Workshop posters – complete.
  - Climate Tech Finance materials – logo comps in review; then postcard design.
  - Air monitoring infographic – complete.
  - HR jobs pull-up banner – in design.
  - Wildfire Smoke Tips in Spanish – complete.
  - CMP Off-Road mailer – complete.
  - Wildfire Preparedness brochure – with printer.
  - Youth for Environmental Sustainability Conference poster and club card – with printer.
  - Maps for Compliance and Enforcement – with printer.
  - Internship program flyer – revisions in progress.
  - Clean Cars for All posters – design phase complete.
  
- Photography
  - Photographer working on women bike commuter shots.
  - Staff took photos of pedestrians/transit around San Francisco for social.
  - Complaints workshop in San Jose on February 4, 2020.
  - Aclima event on January 14, 2020, at Pier 19 in San Francisco.
  - Photographer covered Path to Clean Air Summit in Richmond on November 2, 2019.
  - Walter W. covered November 2, 2019 Richmond Community Summit Meeting.
  - Photographer covered October 28, 2019 Particulate Matter (PM) Conference.
  - Photos taken for social at October 15, 2019 Berkeley Cogen plant tour.
  - Covered the West Oakland Environmental Indicators Project meeting on October 9, 2019.
  - Photographer covered Oakland Board Meeting/bus tour on October 2, 2019.



- Awards and Recognitions
  - Buffy Wicks Proclamation.
  - Community Leadership Awards – Ms. Margaret Gordon & Brian Beveridge.
  - Certificates for West Oakland Environmental Indicators Project meeting.
- Administrative
  - 4900 Script – Working with Enforcement to have consistency between 4900, 5000 and 6000 phone trees.
  - Provided input on Air District Emergency Operations Plan.
  - Implementing Communications Plan for Reg 6, Rule 3 amendment promotion.
  - Developed Incident Response Checklist for PIOs.
  - Staff tested and implemented new format for News Clips, rolled out on December 2, 2019.
  - Provided brainstorming ideas to Rule Development for rebranding “permit reform” concept.
  - Finalized Winter Spare the Air roster.
- Events
  - Acterra Awards scheduled for May 28, 2020; application period has closed for the Spare the Air Leadership Award.
  - Staff attended the October 2, 2019 Complaint Procedure working group meeting.
  - Staff attended Complaint Policy Working Group meeting on November 11, 2019.
  - Staff attended December 9, 2019 Complaint Procedures Workshop meeting.
  - Staff attended December 10, 2019 Public Participation Plan working group meeting.
  - Staff attended December 11, 2019 Tri-City Rock permit meeting with parents in Fremont.
- Digital
  - Wildfire Safety Tips webpage is live.
  - Complaint Policy and Procedures update page created and posted.
  - Working with Innoppl on phase one of Spare the Air app development.
- Presentations
  - Developed slideshow about Oakland AB 617 efforts for Community Engagement.
  - Converting fence line monitoring flyer to PowerPoint slide.
  - Developed standard delegation PowerPoint.
- Publications
  - Revised Executive Summary for the West Oakland Environmental Indicators Project complete.
  - November Air Currents complete & sent out November 1, 2019.

**PLANNING AND CLIMATE PROTECTION DIVISION**  
**H. HILKEN, DIRECTOR**

**Air Quality Planning**

Staff completed research to identify any potential outstanding Air District State Implementation Plan (SIP) submittals and is engaging with Air District staff, the California Air Resources Board (CARB) and U.S. EPA District 9 to determine best approach to address identified deficiencies (emissions statement certifications for 1997, 2008 and 2015 1-hour ozone standards). Staff continue to participate in monthly California Air Pollution Control Officers Association (CAPCOA) Planning Managers and Land-Use Model subgroup meetings, have reviewed and provided comments on the 2019 beta version of CalEEMod and engaged with the CAPCOA Land Use Model working group on recommended improvements, and presented at the annual CAPCOA Planning Managers meeting on AB 617 and CEQA thresholds.

**AB 617 Community Health Protection**

Staff helped plan and attended the Air District Board of Director's October 2019 meeting in West Oakland to adopt the Final *Ownning Our Air: The West Oakland Community Action Plan* (Plan) and certify the plan's Final Environmental Impact Report (EIR). Staff also attended the December 2019 CARB Board of Directors Meeting and pre-meeting tour of West Oakland, and supported the co-leads and community who presented their support of the Plan which was successfully approved. Staff began Plan implementation activities, including developing an implementation work plan, continuing to meet on a regular basis with the co-leads, and planning and holding meetings with internal colleagues and partner agencies, including the City of Oakland, Metropolitan Transportation Commission (MTC) and Bay Area Regional Collaborative (BARC). The co-leads planned and held a co-leads retreat on implementation, assisted with a CARB-led November 2019 Steering Committee meeting, and planned and held a December 2019 Steering Committee meeting focused on the transition to implementation.

Staff participated in the October, November and December of 2019 Richmond-San Pablo Area Community Air Monitoring Steering Committee Meetings, and attended the November 2, 2019 Community Summit. Staff developed and presented a pre-selection and major deliverables and milestones timeline to the internal working group and continues to work with Assessment Inventory & Modeling (AIM) staff to develop a robust data inventory and geospatial data acquisition, analysis and visualization approach for the Richmond-San Pablo area as well as AB 617 regional efforts.

**CEQA Program**

Staff continue implementing the Air District's CEQA Guidelines, reviewing air quality and greenhouse gas analyses, drafting comment letters, and responding to requests for technical support and assistance to consultants, local government, and businesses. During the 4<sup>th</sup> Quarter of 2019, staff reviewed 90 CEQA projects, provided comment letters on six (6) high priority projects and responded to 26 Stationary Source Information requests. Staff continues working on CEQA program improvements, including a new approach for prioritizing CEQA projects for review and comment, and partnering with Information Services on developing a new CEQA project tracking database. Staff continue researching and developing materials to update the Air District's CEQA Thresholds of Significance and create updated, user-friendly CEQA Guidelines for conducting air quality and greenhouse gas analysis. Staff are exploring past CEQA projects to better understand

emissions from current and future construction projects, including working with AIM on identifying construction project typologies and representative projects. Staff continue to work with SID, lead agencies, and environmental consultants to discuss Air District's available offsite mitigation offset projects. Staff attended the 15th Annual two-day Continuing Legal Education CEQA conference presented by CLE International to learn about trends in CEQA development, CEQA standards and best practices, and how to address current CEQA public policy issues.

### **Regional Collaboration**

Staff continue to coordinate with the Association of Bay Area Governments and CARB on an amendment to incorporate an executed Memorandum of Understanding between MTC/Sacramento Area Council of Governments into the California State Implementation Plan (SIP). Staff provided the Board of Directors with a recommendation to delegate the public hearing on the SIP amendment to MTC which was approved on November 20, 2019. Staff reviewed projects seeking PM<sub>2.5</sub> approval from MTC's Air Quality Conformity Task Force and attended the Task Force monthly meeting.

Staff continue to participate in Plan Bay Area 2050, including attending monthly MTC Regional Advisory Work Group and Regional Equity Work Group meetings, and special convenings such as a recent series of workshops focused on the draft Plan Bay Area 2050 Blueprint. Staff met with MTC to discuss SB 375, the CEQA thresholds update, and the Plan Bay Area EIR.

<p style="text-align: center;"><b>ASSESSMENT, INVENTORY AND MODELING</b> <b>P. MARTIEN, DIRECTOR</b></p>
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### **Air Quality Modeling & Analysis**

Staff completed technical edits to the West Oakland Community Action Plan and its technical appendix in response to comments. Staff prepared regional modeling reports and posted them on the District's West Oakland webpage. Staff continued reviewing and analyzing black carbon measurements collected during the 100x100 study in West Oakland. Staff made updates to a draft methodology for assessing health impacts from fine particulate matter, in response to internal and external comments. Staff participated in conference calls with CARB staff, and responded to their questions regarding the West Oakland emissions inventory. Staff participated in a meeting with staff from the City of Oakland and their consultants on the Draft EIR for the Howard Terminal development project. Staff participated in AB 617-related meetings on the Richmond monitoring plan. Staff continued to make improvements in the modeling tools and techniques and adopted CARB's new high-resolution surrogates for mapping emissions to better support AB 617-related technical work. Staff supported the development of an AB 617 workplan for 2020, including budget and schedule information.

Staff participated in a meeting with Caltrans headquarters staff and Caltrans District 4 to discuss emissions modeling and project environmental review issues. Staff began modeling PM impacts from the five (5) Bay Area refineries and the Lehigh Cement Plant. Collaborating with NASA's Health and Air Quality Applied Science Team, staff continued to study health impacts of the wildfires of 2017 and 2018. Staff provided 2018 fine PM (PM<sub>2.5</sub>) Air District measurement data to staff at NASA Ames Research Center for the period of the Camp Fire. Staff prepared an RFP on improving emissions estimates for residential woodburning and reviewed and provided comments on a sampling protocol for a composting facility. Staff analyzed trends for winter wood-burning violations. Staff made progress in the quality assurance and quality control review of the District's 2018 meteorological data.

Staff prepared slides on the West Oakland technical assessment and a poster on wildfire modeling and presented them at the annual Community Modeling and Analysis System (CMAS) Conference in Chapel Hill, NC. Staff remotely participated in a NASA-sponsored meeting on the upcoming Tropospheric Emissions: Monitoring of Pollution (TEMPO) satellite instrument to be launched in 2022.

### **Emissions and Community Exposure Assessment**

Staff prepared and presented information on sources of fine particulate matter in the Bay Area at the October 28, 2019 Particulate Matter Symposium and December 9, 2019 Advisory Council meeting. Under AB 617 community assessment work, staff completed the supporting data package for the West Oakland Community Action Plan, created a release log, and worked with Information Systems Section to post the data package on the Air District's website. Staff also completed the West Oakland Planning Inventory, and submitted the final package with other requested data to the CARB. Staff continued work to attend the conference calls under the AB 617 Criteria Pollutant and Toxics Emissions Reporting (CTR) Uniform Emission Inventory Workgroups, review draft methodology documents, and discuss proposed amendments to the CTR regulation. Under CEQA support work, staff continued work with Planning staff to conduct CEQA project review, provide screening level cancer risk, PM<sub>2.5</sub> concentrations, and chronic hazard data for all permitted sources and relevant methodology document. Staff attended the 2019 American Geophysical Union (AGU) annual conference in San Francisco.

Staff continued work updating the base-year emissions inventory, including an updated inventory crosswalk (between Air District and CARB categories), inputs for area source emissions estimates, and a new set of growth profiles using the most recent projection data provided by the Metropolitan Transportation Commission (MTC). Staff delivered a complete package of annual emissions to CARB on schedule, completing data processing for criteria and toxic emissions data processing, quality assurance, and facility risk fee calculations to fulfill mandatory state emissions reporting requirements. Staff continued discussion with the Information Systems staff on the transition from Databank to the Production System. Staff developed a white paper on quantifying volatile organic compounds (VOCs) emissions from organics liquid storage tanks at Bay Area's refineries. Staff completed a draft manuscript on an evaluation of methane measurement data and comparisons to emissions estimates. Staff continued work to support the Organics Emissions Estimation (OEE) workgroup, completing the list of compost, chip & grind facilities/sources, geocoding the locations of all green-waste handling facilities, and developing knowledge assessment documents. Staff addressed multiple internal data requests and public record requests, including a request for greenhouse gas emissions for San Mateo County.

**Community Protection / AB 617 Rulemaking Efforts**

**Regulation 2: Permitting Rules**

Over the last several years, residents in overburdened communities have become increasingly frustrated that the Air District continues to approve new and modified air permits which result in increased air pollution in their communities. AB 617's focus on neighborhood-level air pollution in addition to the Air District approving high-profile air permits (Phillips 66 modifications and the crematorium in East Oakland) has galvanized communities around this issue and prompted the Air District to further commit to exploring options to incorporate into its permitting process an analysis that takes into account existing sources and their impact on local air quality. In 2018, during an AB 617 public workshop, Air District leadership made a commitment to look at revising the agency's permitting process to better address the environmental justice issues raised by community activists. With the passage of AB 617, the Air District has new, explicit responsibilities to take the lead in improving the air quality in environmental justice communities within its jurisdiction. These responsibilities bolster the agency's continued desire to reduce air pollution impacting disadvantaged communities and improving health outcomes.

In striving to achieve the goals of improving permitting rules, Rule Development staff have met with other staff from the following divisions: Engineering; Community Engagement; Planning; Legal; Assessment, Inventory and Monitoring; Executive; and Public Health to understand what effective changes can be made to the permitting rules. Staff is working closely with these divisions, as well as members from the permit reform internal working group, to facilitate next steps in planning community meetings throughout the Bay Area. Rule Development and Community Engagement staff have met with community members in the following areas: Carquinez Strait region (Vallejo and Rodeo), Suisun Bay region (Pittsburg), and Eastern San Francisco (Bayview-Hunters Point). Staff has conducted outreach and plans to meet with community members in the South Bay (Santa Clara County), North Bay (Marin/Sonoma/Napa), and Tri-Valley regions.

**AB 617 BARCT Schedule**

AB 617 requires air districts to review the control technology installed on industrial sources located at facilities subject to the Cap-and-Trade program. CARB further clarified that industrial sources refer to those facilities that are eligible for free allowance allocations under the Cap-and-Trade Program. The Air District has 19 of these industrial facilities which are subject to Cap-and-Trade. These 19 facilities have over 1,800 sources in 50 source categories. The Air District was required to review these sources and determine if Best Available Retrofit Control Technology (BARCT) is being used. For the sources where BARCT is not being used, the Air District developed a preliminary BARCT determination for the source category and a schedule for finalizing the appropriate rules.

Staff briefed the Air District Board of Directors on the BARCT Schedule efforts on September 5, 2018. A public hearing was held at the Air District Board of Directors meeting on December 19, 2018, and the Board of Directors adopted the Expedited BARCT Implementation Schedule and certified the associated EIR. The current status of rule development efforts included in the AB 617 BARCT Schedule is shown below.

**Figure 1: Expedited BARCT Implementation Schedule**

Rule Development Effort	2019	2020	2021	Next Workshop
Rule 8-5: Organic Liquid Storage Tanks	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Q1 2020
Rule 8-8: Petroleum Wastewater Treating	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Q1 2020
Rule 9-13: Portland Cement Manufacturing	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Q4 2020
Rule 6-5: Refinery Fluid Catalytic Crackers & CO Boilers	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Q1 2020
Rule 8-18: Refinery Heavy Liquids Leaks	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Q2 2020 <sup>a</sup>
Rule 9-14: Petroleum Coke Calcining Operations	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	Q1 2021

a: Delayed pending outcome of ongoing heavy liquid study.

Following the adoption of the AB 617 BARCT Schedule, staff initiated the formation of a Refinery Rules Technical Working Group (TWG) comprised of refiners, Western States Petroleum Association (WSPA), representatives from community organizations, other regulatory agencies, and Air District staff. The working group augments the development efforts of refinery rules and amendments that stem from the AB 617 BARCT Schedule, the Methane Strategy, and the 2017 Clean Air Plan. The purpose of the TWG is to work closely with participants to vet technical and cost information, discuss preliminary regulatory concepts, and serve as a forum for stakeholders to voice concerns on technical issues associated with development of rules affecting refineries. To date, staff has hosted TWG meetings covering the following discussion topics:

Rule Development Effort	Meeting Date	Discussion Topic
Rule 13-5: Hydrogen Production	July	Facility operations and potential control options.
Rule 8-5: Storage of Organic Liquids	August	Tank design overview and potential control options.
Rule 6-5: Refinery Fluid Catalytic Cracking Units	September	Potential control options and costs.
	October	Source testing and monitoring techniques.

### **Amendments to Rule 6-5: Particulate Emissions from Refinery Fluidized Catalytic Cracking Units**

Refinery fluidized catalytic cracking units (FCCUs) can generate substantial emissions of condensable PM, which is formed when gas-phase pollutants condense as they cool and leave the stack. Pollutants that have the potential to form condensable PM include oxides of nitrogen (NO<sub>x</sub>), oxides of sulfur (SO<sub>x</sub>), ammonia (NH<sub>3</sub>), and organic compounds.

The Air District adopted Rule 6-5 in 2015 to reduce condensable PM through reduction of NH<sub>3</sub> components. During the development of the AB 617 Expedited BARCT Implementation Schedule, staff identified potential rule development for amendments to Rule 6-5 to further address condensable PM emissions, including additional reductions of condensable NH<sub>3</sub> and SO<sub>x</sub> components. Staff initiated the rule development process for these amendments in 2019, and continues to perform technical assessments, research, and information gathering in support of

developing draft amendments to Rule 6-5. Staff also conducted early engagement with stakeholders at the September and October 2019 meetings of the Refinery Rules Technical Working Group and solicited input and feedback on considerations related to emissions controls and monitoring methods. Staff anticipates publishing draft amendments and conducting public workshops in the first quarter of 2020. Staff anticipates presenting proposed Rule 6-5 amendments to the Board of Directors for its consideration in the fourth quarter of 2020.

### **Particulate Matter Strategy**

The Air District's Advisory Council began convening a conference series on undifferentiated particulate matter, with a focus on fine ( $PM_{<2.5}$ ) and ultrafine ( $PM_{<0.1}$ ) particulate matter. This series will facilitate discussion among nationally recognized scientists, health professionals, industry, community members, and the Air District, identifying the most effective measures to further protect public health. The symposia will shine a spotlight on this public health challenge and share information and tools to inform future policy decisions. The first symposium took place on October 28, 2019, and covered topics on PM health effects and PM exposure and risk.

Concurrent with and in light of these discussions, Rule Development staff is currently investigating potential measures to further reduce PM emissions and public exposure, including sources such as restaurants, coffee roasters, or concrete batch plants. Staff is also following EPA's particulate matter review of the National Ambient Air Quality Standards and will be looking into the public comment process that opens once EPA releases a proposed rule (expected in early 2020).

### **Climate and Organics Rules**

#### Regulation 13: Climate Pollutants:

Regulation 13: Climate Pollutants would establish the necessary definitions and requirements that apply to regulating emissions of climate pollutants within the Air District's jurisdiction.

Regulation 13 would provide a foundation from which sector- or pollutant-specific rules addressing climate pollutants can be developed and would eliminate the need to make changes to multiple rules when broadly applicable measurement techniques or methods evolve in this area of rapid development and change.

Staff introduced the concepts of Regulation 13 to the public during public workshops in the fall of 2018. At Executive direction in June 2019, staff has indefinitely delayed development of an umbrella rule on climate pollutants.

#### **Rule 13-1: General Prohibition on Significant Methane Releases**

Methane and natural gas releases are currently exempt from most Air District regulations, with the exception of Rules 8-18 and 8-34, because the existing Regulation 8 Rules were designed to reduce ozone whereas methane emissions do not contribute to ozone formation. As a result, the Air District has no regulatory basis for requiring facilities to fix methane leaks. Rule 13-1 would address methane releases of more than 10,000 ppm and 10 pounds per day. This general prohibition will enable the Air District to compel facilities to fix major leaks while we develop more specific rules to address methane from particular source categories, such as landfills, oil and gas wells, refineries, and composting operations. This would be the first such rule in the United States.

The basic rule concepts for Rule 13-1 were presented to the Stationary Source Committee on September 17, 2018, and the Climate Protection Committee on September 20, 2018. Staff met with PG&E on November 1, 2018, to discuss PG&E's concerns with the draft rule. Rule 13-1 workshops occurred in conjunction with four (4) workshops from November 1, 2018 through November 8, 2018, for the Regulation 13, Rule 13-2, Rule 13-3, Rule 13-4, and Rule 8-34 projects. Staff has received written comments from various stakeholders, including WSPA, Waste Management, Bay Area Clean Water Agencies (BACWA), PG&E and others. Staff met with WSPA on November 15, 2018, to discuss their concerns regarding the draft rule. Staff met with California Council for Environmental and Economic Balance (CCEEB) on Monday, March 4, 2019, to discuss their workshop comments and to receive an update of the direction of Rule 13-1. Based on written comments provided by stakeholders, changes are expected to be made to the rule that will result in additional workshops in June 2019. We expect to bring Rule 13-1 to the Board during the last quarter of 2019.

During the Rule Development Council meeting on March 12, 2019, it was decided that the development of Rule 13-1 would be delayed. Instead, staff will develop source-specific rules for methane sources, including, but not limited to, oil and gas wells, petroleum hydrogen plants, landfills, wastewater treatment facilities, and composting operations. Staff intends to bring a refinery hydrogen producing operations rule, Rule 13-3, to a public hearing for adoption during the first quarter of 2020.

### **Rules 13-2: Organic Material Handling, and 13-3: Composting Operations**

As part of its 75 percent by 2020 waste recycling goal and to reduce greenhouse gas emissions, California has mandated that organic waste be diverted from landfills. The increased volume of organic waste diverted from landfills is overwhelming the capacity of existing composting facilities, resulting in excess methane and volatile organic compound (VOC) emissions and significant odors from poorly managed composting operations, stockpiles, and other organic waste handling operations. CalRecycle estimates that these statewide organic waste diversion goals will nearly double the amount of organic waste processed in the Bay Area requiring 12 to 15 new facilities on top of the 20 facilities currently permitted in the Air District.

At a series of Climate Pollutant public workshops held in early November 2018, staff presented a concept paper for draft rules 13-2: Organic Material Handling, and 13-3: Composting Operations. Workshops were held in San Francisco, Martinez, Dublin and San Jose.

At a Rule Development Council meeting held March 12, 2019, Executive Staff directed rule development staff to combine the two rules and, in response to this executive direction, Staff developed Draft Rule 13-2: Composting Operations and Organic Material Handling.

Staff posted Draft regulatory language and a workshop report to the District Website on June 6, 2019, and shared these at a series of Public Workshops in San Francisco on June 13, 2019, Richmond on June 18, 2019, and in Milpitas on June 19, 2019. Staff accepted public comments through an extended comment period ending on July 12, 2019. Over 75 comment letters were submitted by email, with nearly all comments coming from members of the affected industries.



Staff organized three (3) industry-focused stakeholder meetings for the week of August 19, 2019, to explore the concerns raised and to solicit more detailed information from those who submitted comments. On the afternoon of August 20, 2019, operators of material recovery facilities and transfer stations were invited to the Bay Area Metro Center, and on August 22, 2019, staff met with wastewater treatment and anaerobic digester operators in the morning and composting facility operators in the afternoon. In all, over 50 industry representatives attended these stakeholder meetings along with representatives from CalRecycle and staff from Rule Development, Planning & Climate Protection, Engineering, and Compliance & Enforcement.

Staff considered comments and made appropriate adjustments to developing the rule, most notably the bifurcation of the rule into 13-2: Organic Material Handling Operations, and 13-3: Composting Operations. The scope of draft Rule 13-2 is limited to MRFs, Transfer Stations, and Chip & Grind facilities. Staff will be issuing a call for comments to the affected industries and the general public at the end of 2019, and will continue to develop the rule for Board consideration in April of 2020. Rule 13-3 will likewise be further developed, with a second round of workshops in the first or second quarter of 2020, and an anticipated date for Board consideration in the third quarter of 2020.

#### **Rule 13-4: Sewage Treatment & Anaerobic Digestion**

Staff is developing a rule to reduce methane and other air pollutant emissions from publicly-owned sewage treatment plants and from wet and dry anaerobic digester operations. Control Measure WR1 in the 2017 Clean Air Plan stated the need for reductions of methane and nitrous oxide from wastewater treatment. Additionally, state mandates to divert organic materials from entering landfills are expected to result in a significant increase in material being sent to other waste processing facilities, including sewage treatment plants and anaerobic digesters. Odor reduction would be a co-benefit of regulating emissions from sewage treatment and anaerobic digestion facilities.

Staff presented rule development concepts during public workshops in June 2019. The concepts include providing definitions for terms used to describe the anaerobic digestion and sewage treatment processes. Regulatory concepts also include standards to ensure that biogas is produced and collected in such a way as to minimize leaks or releases of methane into the atmosphere, and that emissions of other greenhouse gases and volatile organic compounds are minimized. These standards might include feedstock and digestate handling, leak detection and fugitive emissions minimization, flaring requirements, and recordkeeping requirements. Additionally, draft Rule 13-4 would likely include best management practices that would address the handling of feedstock and end products, maintenance procedures, and likely require the recording and reporting of methane emissions, nitrous oxide emissions, and potentially other greenhouse gas emissions.

In September 2019, staff met with members of BACWA's Air Issues and Regulations (AIR) Committee as part of an annual Air District-BACWA meeting. During this meeting, staff updated AIR Committee members on the status of draft Rule 13-4. AIR Committee members stated that they are interested in collaborating with Air District staff on draft Rule 13-4 development.

Rule Development staff are leading a subgroup focused on characterizing emissions from sewage treatment plants and anaerobic digesters as part of the Air District's internal Organics Emission Estimation (OEE). The subgroup meets regularly and will assist in determining where to allocate resources to more fully understand emissions from these sources.

Draft Rule 13-4 is scheduled to be presented in a public workshop in the first quarter of 2020. The rule will be presented to the Board of Directors for its consideration for adoption in the third quarter of 2020.

### **Rule 13-5: Refinery Hydrogen Producing Operations**

Hydrogen gas releases from petroleum refinery hydrogen plant operations, and from naphtha reforming operations, sometimes include methane and other organic gas. The methane emissions are currently exempt from most Air District regulations because methane emissions do not contribute to ozone formation. As a result, the Air District has no regulatory basis for requiring facilities to control methane emissions from these operations. Now that the Air District is addressing methane emissions, a powerful GHG, staff is developing a rule to control methane emissions from hydrogen plants, one of the largest methane sources from petroleum refineries.

Staff has conducted one-on-one meetings with refinery hydrogen plant process engineers and has visited every refinery hydrogen plant to gain a better understanding of hydrogen plant operations including the reasons for, and locations of, methane emissions. On March 27, 2019, staff met with WSPA and refinery representatives to inform them that the project for draft Rule 13-1: Significant Methane Releases was being put on hold until the completion of the current suite source-specific methane rules including Rule 13-5, Refinery Hydrogen Producing Operations. Air District staff will conduct source tests to better understand hydrogen plant emission parameters and possibly enhance hydrogen plant methane emission inventories. Staff has also begun an outreach effort with community members who are participating in the refinery technical workgroup. Staff conducted a briefing with the technical workgroup community members on June 27, 2019, to instruct them on the basic operations and primary processes of hydrogen plants, and thus, to better enable them to participate in technical workgroup discussions for the Rule 13-5 rule development project. Staff conducted the first refinery technical workgroup meeting on July 17, 2019, to discuss the availability and feasibility of all potential methane emission (vented) controls for hydrogen production equipment/processes. On August 21, 2019, staff submitted a comprehensive questionnaire to all hydrogen production operators requesting pertinent parametric and emissions data relating to all hydrogen venting occurrences during the past six (6) years. The deadline to submit answers for the questionnaire was October 7, 2019. However, due to industry concerns, staff split the questionnaire into two phases and extended the deadline for Phase I until the week of November 18, 2019.

Staff is in the process of finalizing a draft rule and draft workshop report for Rule 13-5; the workshop package is currently being reviewed by the Executive Staff. A workshop has been tentatively scheduled for Monday, January 27, 2020, and will be held at Air District headquarters.

### **Rule 8-34**

Rule 8-34 regulates emissions of VOCs (NMOC and methane) from municipal solid waste sites. It was last substantively amended in 1999. Rule 8-34 is currently being amended in two phases. The first phase of amendments is scheduled to go to the Board of Directors in 2020: specifically, with a workshop in the second quarter of 2020, and a board hearing in fourth quarter of 2020. Staff released a concept paper, which was shared with the public and industry in May 2019.

*Phase 1 Concepts (and Phase 2 Overview)* Concepts included in the Phase 1 concept paper can be summarized in a few categories:

- 1) Alignment with the state's Landfill Methane Rule (LMR) to incorporate some of their more stringent elements into 8-34, and for the benefit of increased consistency;
- 2) Added clarity, incorporation of best practices, and changes to increase effectiveness, especially with respect to monitoring, repairs, recordkeeping, and reporting; and
- 3) If available during the Phase 1 timeline, additional stringency based on research results.

Phase 2 will be reliant on additional research and analysis, including incorporating knowledge from the Air District's Organic Emissions Estimation (OEE) effort for landfills. Airplane flyovers have indicated that methane emissions from landfills are much larger than had been previously calculated; the OEE effort and the undertaking of Phase 2 will help address this.

#### *Past Outreach*

The concept paper was discussed at a series of three (3) workshops held in June 2019, that focused on climate pollutants and organics, where Rule 13-2 (now 13-2 and 13-3) and Rule 13-4 were also discussed. No comments were submitted during the comment period following the final workshop, but staff received verbal input at the three (3) events.

Rule development staff have visited multiple large landfills to-date: seeing the site layout, learning about operations, and discussing the amendment process with employees at the site, including landfill operators, environmental staff and consultants.

#### *Next*

Staff will continue to visit more of the 38+ landfills within the District. Currently, staff in the 8-34 internal workgroup is working to flesh out amendment concepts and draft rule language changes, in preparation for hosting a public workshop in second quarter of 2020. First, however, staff will host one or two stakeholder meeting(s) in early 2020, during which they will provide these more-detailed concepts to industry. This will allow for the Air District to gather constructive feedback prior to releasing draft rule language and hosting an official workshop. Staff have also reached out to several contacts to inform them that we will consider any issues, and potential suggested solutions, that they would like to bring to the table for discussion at the meeting(s).

## Policy

### **CAFE/GHG Standards Update**

#### *Background*

In 2018, The United States Environmental Protection Agency's (EPA) and the National Highway Traffic Safety Administration's (NHTSA) jointly proposed a new nationwide rule: The Safer Affordable Fuel-Efficient Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks (proposed rule) identified by Docket ID No. EPA-HQ-OAR-2018-0283; NHTSA-2018-0067 (SAFE Rule). This proposed rule seeks to flatline fuel economy standards at 2020 levels, replacing the Obama era 54.5 miles per gallon corporate average fuel economy (CAFE) requirements for 2021 through 2026 (as was proposed to be withdrawn by the EPA/NHTSA in August 2018). Additionally, the proposed SAFE rule seeks to withdraw the waiver granted to the State of California to set its own vehicle emission standards for newly manufactured light duty vehicles.

Since the rollback was made public, both Colorado and Washington state moved to become Section 177 States, adopting California's stricter emission standards under that provision of the Clean Air Act (now there are 14 states total + Washington DC).

#### *District Action*

Jack P. Broadbent gave oral testimony on the SAFE Vehicles rule at a public hearing in Fresno, CA in September 2018, denouncing the proposal. Staff has been reporting to the Mobile Source Committee regarding this topic: On October 25, 2018, and just recently on September 26, 2019. In 2019, CA continued in its effort to come to a compromise with the auto industry to find an achievable middle ground. CARB and four (4) OEMs were able to come to an agreement. The Trump administration (NHTSA and EPA) has subsequently split the safe vehicles rule into two parts and released the first part on September 27, 2019. Part One is focused on the CA waiver and the belief that GHG standards are de facto fuel economy standards (and therefore California is preempted from having those type of regulations in place). The release of Part One began a 60-day period to bring suit against the agencies. The Legal Division is currently exploring litigation options.

## Community Engagement and Outreach Programs

### **AB 617 Community Health Protection Program**

- Staff continued to work on the Air District's needs assessment, completing all needs assessments with civic leaders. Staff began developing a strategy for interviews with community leaders. This work implements the building capacity work plan, which supports the implementation of the strategic framework for building AB 617 high priority communities' capacity to participate in emission reduction and monitoring plans. During this time staff met with Oakland City Staff.
- Staff continued drafting a work plan for year 2020 AB 617 implementation.
- **Tuesday, November 12, 2019 – Capacity Building** – Staff presented at Delta First 5 in Brentwood and at the Pittsburg Rotary meeting in Pittsburg. The presentations covered an overview of the Air District, Air Quality and Health, what we know about air quality in the area, AB 617 and various incentive programs. The goal was to begin to develop relationships and start informing potential partners about AB 617.

- **Thursday, October 31, 2019** - Staff attended the California Air Resources Board Webinar featuring the draft selections of new AB 617 Communities.

### **West Oakland AB 617**

- Staff continue to meet with our West Oakland Co-Leads (WOEIP) on a weekly basis to discuss elements of the Action Plan and design the following month's Steering Committee meeting.
- **Tuesday, December 10, 2019 – AB 617 West Oakland Action Plan** - Staff hosted the eighteenth Steering Committee meeting at the West Oakland Senior Center. Air District staff, WOEIP Co-leads, and the steering committee discussed the creation of subcommittees and meeting schedule for the implementation of the action plan.
- **Wednesday, November 6, 2019 - AB 617 West Oakland Action Plan** – Staff hosted the seventeenth Steering Committee meeting at the West Oakland Senior Center. The Air District and WOEIP Co-leads discussed proposals for roles, responsibilities and evaluation criteria for implementation of the plan. Darlene Flynn, City of Oakland Department of Race and Equity presented on equity and how the steering committee can center equity in implementing the plan. Further discussion on the details of implementation will be held at a WOEIP and BAAQMD retreat on November 21, 2019.
- **Wednesday, October 9, 2019 - AB 617 West Oakland Action Plan** – Staff co-hosted the sixteenth Steering Committee meeting with California Air Resources Board (CARB) at the West Oakland Senior Center. CARB staff facilitated discussion to hear directly from the steering committee, additional community members, and the public about the West Oakland Community Action Plan for consideration by CARB's Governing Board. Air District staff and WOEIP Co-leads then presented awards to the steering committee in appreciation for their contributions to the plan, then celebrated the milestone of the plan being adopted by the Air District.

### **Richmond AB 617**

- Staff continue to meet with the Richmond Co-Lead Team (five (5) community members representing: NAACP, First 5, RYSE Youth Center, Santa Fe Neighborhood Council, and a local resident from East Richmond) on a weekly basis to plan Steering Committee Meetings and discuss elements of the Community Air Monitoring Plan.
- **Wednesday, December 4, 2019 – Assembly Member Buffy Wicks Tour** – Staff joined the Community Co-Leads to introduce AB 617 to Assemblymember Wicks and tour areas and sources of concern.
- **Wednesday, December 11, 2019 – Richmond-SP Steering Committee Meeting** – Staff co-hosted the 10<sup>th</sup> Steering Committee meeting with the Community Co-Leads. Agenda items included updates from initial air monitoring projects, an introduction to including additional air monitoring projects and a discussion and vote for including a technical advisory board. The Committee also reviewed the current status of the draft monitoring plan.
- **Friday, December 13, 2019 – CARB Board Meeting** – Staff attended a CARB Board Meeting in Sacramento with Richmond-SP Community Co-Leads. Co-Leads plan to provide testimony on agenda item 19-12-8: Consider Assembly Bill 617 Community Air Protection Program - Selection of 2019 Communities.
- **Wednesday, November 13, 2019** – Richmond-San Pablo Community Air Monitoring Steering Committee meeting. Staff attended and co-hosted the November 2019 Steering

Committee Meeting. The goal of the meeting was to continue prioritizing monitoring projects for the plan.

- **Sunday, November 3, 2019** – Staff attended a meeting at PSE in Oakland to discuss options for calibrating and validating air monitoring sensors in the Richmond-San Pablo area.
- **Saturday, November 2, 2019** – The Path to Clean Air in Richmond-San Pablo Community Summit – Staff attended and co-facilitated the community summit to present a one-year update to the community and engage attendees in eight (8) interactive stations. More than 85 stakeholders attended and participated in the activities.
- **Wednesday, October 9, 2019 – Richmond-San Pablo Steering Committee Meeting** – Staff attended and co-hosted the October 2019 Steering Committee. The meeting focused on developing Community Engagement strategies, November 2, 2019 Community Summit, and finalizing the World Café breakouts to identify monitoring objectives.

### **Spare the Air Youth**

- **Thursday, December 12, 2019 – Youth for the Environment and Sustainability (YES) Conference Student Advisory Council (SAC) Planning Meeting** - Staff met with the SAC members to discuss YES Conference outreach and planning logistics.
- **Thursday, December 5, 2019 - Spare the Air Youth (STAY) Biweekly Check-in Meeting** - Staff met with Raquel Trinidad of MTC and Alta Planning staff to prepare for the Technical Advisory Committee (TAC) Meeting on January 15, 2020, and discussed updates to the High School Grant Program and STAY website.
- **Wednesday, December 4, 2019 - Mobile Science Climate Labs** - Staff met with Jim Callahan, Director of Mobile Climate Science Labs to discuss tabling logistics for climate change education activities and outreach for the YES conference.
- **Wednesday, November 13, 2019 – YES Conference Student Advisory Council (SAC) Conference Call** – Staff met with the SAC members to discuss YES Conference registration outreach and planning logistics.
- **Thursday, November 7, 2019 – Meeting with KQED** – Staff met with Ilana Somasunderam of KQED’s Science Education Manager to discuss ways KQED can support student created media and engagement at the YES Conference.
- **Saturday, November 2, 2019 – Bay Discovery Day Science Festival** – Staff tabled at the Bay Discovery Day in Oracle Park to engage with youth about the YES conference and encouraging environmentally friendly choices in transportation, food, and energy use.
- **Friday, November 1, 2019 – Meeting with San Mateo County Office of Education, Environmental Literacy Initiative** – Staff met with Andra Yeghoian, Anna Bishop, and Alex Wheeler to discuss outreach and support for the YES Conference. Staff were connected with local youth leaders and youth organizations to invite as speakers and exhibitors.
- **Tuesday, October 22, 2019 – Museum of Tomorrow Meeting** – Staff met with Jessica Ho to discuss the Museum of Tomorrow exhibits recently launch by UC Berkeley. Through five (5) interactive exhibits, the Museum of Tomorrow targets students to discuss everyday sustainability solutions. Staff explored the possibility of featuring the Museum of Tomorrow at the YES Conference.

- **Wednesday, October 16, 2019 – Spare the Air Youth (STAY) Technical Advisory Committee (TAC) Meeting** – Staff attended the STAY TAC meeting to provide a YES Conference update. The group received a policy and funding update from regionwide efforts and an update on the 2019-2020 High School Grant Program. The group heard presentations on curriculum programs for Safe Routes to School from TransForm, Marin County Bicycle Coalition, and the San Mateo Office of Sustainability.
- **Saturday, October 6, 2019 – Youth for the Environment (YES) Conference Student Advisory Committee (SAC) Kickoff Meeting** – Staff met with the YES Conference SAC to discuss outreach for the upcoming conference, set up a bimonthly conference call schedule and prepare for the 2020 YES Conference.

### **Spare the Air Resource Teams**

- **Friday, December 20, 2019 – Sonoma County Spare the Air Resource Team Conference Call** – Sonoma County Spare the Air Resource Team members held a conference call to discuss the team’s collaboration with Sonoma County Office of Education (SCOE) on a “Sustainability” themed video contest for the 2020-2021 school year. The team also reviewed the design for the new Idle Free banner as well as the results of the Employer TDM Benchmarking Survey.
- **Thursday, December 19, 2019 – Southern Alameda County Spare the Air Resource Team Meeting** – The Southern Alameda County Spare the Air Resource Team met to discuss the team’s Idle Free activities as well as review the results of the Employer TDM Benchmarking Survey.
- **Wednesday, December 18, 2019 – San Francisco Spare the Air Resource Team Conference Call** – San Francisco Spare the Air Resource Team members held a conference call to review the results of the Employer TDM Benchmarking Survey with SFMTA and SFE.
- **Wednesday, October 30, 2019 – Tri-Valley Spare the Air Resource Team Conference Call** – Staff participated in a conference call with Tri-Valley Spare the Air Resource Team members who discussed preliminary results of an Employer TDM Benchmark Survey and next steps for Idle Free Tri-Valley.
- **Thursday, October 24, 2019 - Napa Valley Clean Air Coalition Meeting** – The Napa Valley Clean Air Coalition met to discuss the team’s Idle Free activities as well as receive an update and provide input on Regeneration Napa County, a Sustainability Platform, which is currently in development.
- **Wednesday, October 23, 2019 – Marin County Resource Team Meeting** – Air District staff attended the Marin County Resource Team Meeting at the Marin Transportation Authority. Staff provided an overview of the Spare the Air Resource Team program and the team discussed project ideas for the upcoming year.
- **Friday, October 18, 2019 – Sonoma County Resource Team Meeting** – Sonoma County Spare the Air Resource Team members met to discuss team projects including participating in a film/video contest, Sonoma Climate Challenge, developing Idle Free campaign materials, and updating the GoSonoma website. The team is also working with staff to schedule field trips to visit the Air District office in San Francisco.
- **Thursday, October 17, 2019 – Southern Alameda County Spare the Air Resource Team Conference Call** – Air District staff participated in a conference call where members of the Southern Alameda County Spare the Air Resource team planned a focus group for municipal and county staff about Idle Free Bay Area.

## Community Grant Program

- **Tuesday, December 3, 2019 – School Grantee Conference Call with the BayAir Center** – Staff met with five (5) community members who are implementing school-based air sensor projects at Bay Area schools through Air District grants. Along with Tim Dye, TD Environmental Services, Air District staff discussed developing research questions, selecting sensors, and sensor placement.
- **Friday, December 6, 2019 – Site Visit to Brookfield Village Elementary, Oakland** – Staff met with James Cary Smith Grantee Higher Ground Neighborhood Development Corp. to learn about the Brookfield Village Greenway Living Lab Project. Air District staff met teachers, students, and administrators, observed the delivery of a living lab lesson plan, and toured the school’s greenway which is adjacent to Interstate 880.
- Staff met with the following James Cary Smith grant recipients to share resources and discuss program implementation, collaboration, and next steps:
  - **Wednesday, November 6, 2019 - Veggielution in San Jose** – Grantee is developing air quality curriculum for East San Jose middle school students and their families.
  - **Thursday, November 7, 2019 - Sequoia Foundation in San Leandro** – Grantee is working with teachers to develop air quality and health curricula, and creating a community advisory board on air quality and health.
- **Thursday, October 24, 2019 – Grantee event for Daily Acts in Santa Rosa** – Air District staff attended the annual fundraiser breakfast held by James Cary Smith Community Grantee Daily Acts to learn more about the grantee’s work, and to meet partners in the region. Over 600 stakeholders attended the event, including Director Zane and Director Barrett.
- **Thursday, October 17, 2019 – James Cary Smith Community Grant Program kick-off** - Staff conducted a webinar orientation for the ten nonprofit organizations receiving James Cary Smith grants in 2019-2020. Attendees represented organizations across the Bay Area. The Air District has awarded \$250,000 in total funding for community-based approaches to reducing air pollution.
- **Tuesday, October 1, 2019 – School Community Grant Program kick-off** - Staff conducted a webinar orientation for awardees whose projects will involve air sensor activities with youth during the 2019-2020 school year. Attendees from seven (7) schools across the Bay Area participated, and received technical training from Tim Dye with the Bay Air Center. The seven (7) schools receiving funds include elementary schools, middle schools, and high schools. The projects funded by the Air District will increase knowledge about the science of air quality, the relationship between air quality and public health, and the impact of air pollution on the global climate.

## Community Meetings, Workshops, and Site Visits

- **Wednesday, December 11, 2019 - Tri-City Rock Permit Meeting** - The Air District hosted an informational meeting in Fremont to discuss the Tri-City Rock permit and the Stratford/Grimmer school locations. Staff provided a presentation on Air District jurisdiction/authority, the permitting process, and an overview of the Tri-City Rock facility. Approximately 125 Stratford parents attended the meeting.



- **Monday, December 9, 2019 - Complaint Policy Workshop, San Francisco** - The Air District hosted a public workshop on the air quality complaint policy to inform the public on existing complaint guidelines, provide guidance on how to be more descriptive when filing complaints, and solicit community input to improve the complaint process. The Air District will host four (4) more workshops of the series in January and February 2020, in San Jose, Martinez, Oakland and Santa Rosa.
- **Wednesday, December 4, 2019 – Meeting with La Clínica de la Raza, Pittsburg** – Staff from the Community Engagement and Rules teams discussed air quality information, resources, and the Air District’s rule-making process with staff from La Clínica who will implement a Community Health Protection Grant from the Air District.
- **Saturday, November 16, 2019 – Visión y Compromiso Conference** - Staff from the planning division presented an overview of the Air District and AB 617 efforts in Spanish to community health workers at the annual Visión y Compromiso conference, held in Berkeley.
- **Tuesday, November 12, 2019 – Fence Line Monitoring Seminar** – Via webinar, the Air District, CARB and Argos Scientific presented an overview of auditing procedures of fence line air monitoring technologies using ISO standards from a regulatory perspective.
- **Wednesday, October 30, 2019 – YES Conference Site Visit** – Staff toured the venue site of the 2020 YES Conference, El Camino High School, in South San Francisco. Staff and the YES Conference Event Planner’s staff, Fruition Consulting, visited El Camino High School to meet site staff, tour the campus and plan conference logistics. The 2020 YES Conference is scheduled for Saturday, March 28, 2020.
- **Friday, October 18, 2019 – Community Meeting in Vallejo** – Staff attended a meeting hosted by All Positive, a local Vallejo CBO, at the Norman C. King South Vallejo Community Center to listen to community concerns and answer questions.
- **Monday, October 7, 2019 – Meeting with Communities for a Better Environment (CBE)** – Air District staff met with CBE staff to discuss the Air District’s order complaint process, the Air District’s efforts to address the air pollution concerns of the community through AB 617, potential Partnership Agreement between the Air District and CBE, and steps the Air District is taking to improve its PRA process.
- **Friday, October 4, 2019 – Balboa High School Presentation** – Staff provided an air quality presentation to the Environmental Science class at Balboa High School in San Francisco. Approximately 30 high school students attended the presentation.

## Other

- Staff participated in GARE training and internal GARE team meetings.
- **Wednesday, December 11, 2019 - Air District Tour for New Voices are Rising** - Staff organized a tour of the Air District's laboratory and meteorology room for the New Voices are Rising fellows from the Rose Foundation.
- **Wednesday, November 20, 2019 – Bayview Hunters Point Environmental Justice Task Force Meeting** – Staff attended the Bayview Hunters Point Environmental Justice Meeting hosted by Greenaction. Dr. Ahimsa Sumchai reviewed her bio-monitoring study and announced the new location of her organization in Bayview Hunters Point. California Public Utilities Commission (PUC) gave a presentation on healthy water and lead detection. Staff answered questions about naturally occurring asbestos in construction projects during the community announcement period.

- **Tuesday, November 5, 2019** – Staff attended an all-day Strategic Growth Council symposium in Sacramento titled: Climate Change Research Symposium 2019: Engagement in Research. The symposium offered an opportunity for staff to share expertise in community science, community engagement strategies, and to network with researchers, community members and other stakeholders from around the state.
- **Tuesday, November 5, 2019** – Staff attended and presented updates about the West Oakland Community Air Plan at the OakStop Community Meeting at the DeFermery House in West Oakland.

**OFFICE OF DIVERSITY, EQUITY, AND INCLUSION  
G. NUDD, DAPCO**

The Office of Diversity, Equity & Inclusion (DE&I) focused on four (4) functional areas: DE&I’s strategic planning, Human Resource strategies, the Government Alliance on Race and Equity (GARE) internal program, and cultural awareness communications and activities.

**DE&I Strategic Planning**

As a part of our Diversity, Equity & Inclusion strategies, the Office of DE&I continues its planning meetings with our DE&I Consultant, ReadySet. The Air District issued a Request for Proposal for a consulting firm to prepare and assist in the development and implementation of its Racial Equity Action Plan (REAP), to include both long- and short-term initiatives and goals. ReadySet was awarded the consulting contract through a competitive process in October 2019, in an amount not to exceed \$100,000. The selection panel was comprised of internal staff and an external panelist. ReadySet is a female-owned diversity strategy firm that helps innovative organizations build more inclusively. Their network of consultants is comprised of professionals with diversity, equity, and inclusion (DEI) expertise, as well as subject matter expertise on learning and development, strengths-based management, organizational development, HR management, policy, and sexual harassment prevention. The initial scope of work outlines planned activities for 2020. A portion of Phase I of the scope of work includes; internal document reviews, one-on-ones, and focus group meetings that have begun. Phase I will also include the drafting of a comprehensive REAP and performance metrics that assess progress on the adoption and impact of the REAP.

In addition, the Office participated at the 2019 Inclusion Conference held by the Society for Human Resource Management (SHRM), specifically discussing topics on Inclusion in the workplace. In addition to sharing information about the Air District, sessions at the conference included Recruitment Strategies, Creating a Culture of Inclusion, Working in a Multigenerational Workplace, Race and the Urgency of Now, Avoiding Insensitive Language, and Starting Employee Resource Groups.

**Human Resource Strategies**

As a part of our Human Resources strategies, the DE&I Office discussed with the Metropolitan Transportation Commission (MTC) potential collaborative internship efforts for high school and college students. In 2020, the Air District will once again include high school students as part of its internship program. The Office of Diversity, Equity & Inclusion participated on the selection panel with the Human Resource Office in its search for a qualified consultant to support the development of strategic initiatives surrounding the Air District’s organizational development and employee engagement. The Air District’s intention is to create an in-depth understanding of the existing

culture (strengths and opportunities for improvement) and to provide assistance to the Air District's management team in creating action plans that will strengthen the culture, improve organizational performance, and implement accountability strategies in all policies, procedures and practices. As part of the process, the Office worked with HR and other panel members to review applications and interviewed the top five (5) candidates. Illumyx Consulting Group was awarded the contract.

Additionally, with the Community Engagement team, the Office of DE&I met with high school students from the non-profit organization, New Voices Are Rising. This non-profit seeks to increase civic participation within under-represented communities, increase young people's commitment to environmental justice, and reduce air and water pollution that severely impact both human health and the health of the San Francisco Bay. The program helps young people gain the skills and experience in civic engagement that they need to begin to tackle the problems — including environmental health problems — that disproportionately impact their communities. The DE&I Office shared information with students regarding the Air District's work in communities of color and continued efforts underway to ensure an inclusive office work environment. Furthering the discussion, the Office shared with the students, information regarding internship opportunities at the Air District.

### **Government Alliance on Race and Equity (GARE) and Equity Resource Teams**

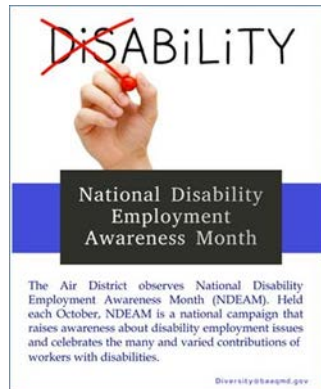
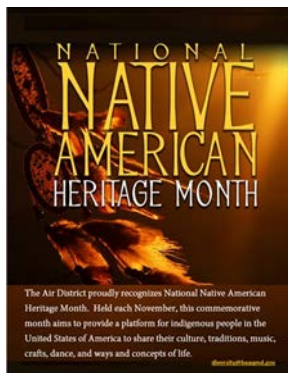
The DE&I Office established several Equity Resource Teams at the Air District. One of the teams consists of employees who have completed the GARE learning year and/or implementation programming. This team consists of employees in divisions across the agency. The team's mission is to ensure that an equity lens is utilized in all of our work at the Air District. Employees on this team are provided opportunities to continue to enhance their skills by attending events and conferences such as the GARE 2020 Annual Membership Meeting in April 2020. Members of this team may be asked to participate in train the trainer racial equity curricula development. In addition to the Racial Equity Team consisting of past GARE participants, additional employee resource teams have been created to focus on specific events and activities. Each month, the Office of DE&I conducts a series of events focused on cultural awareness and heritage months. The Office selected groups of employees to participate on equity resource teams to assist in determining events and activities throughout the appropriate months (i.e. Black History Month in February, Women's History Month in March, etc.) The creation of these equity resource teams encourages collaboration and inclusive behavior.

### **Cultural Awareness Communications/Activities**

The Office of DE&I continues to provide educational content and creative work in the Air District's bi-weekly Newsletter. Within the Newsletter, information was included regarding history and heritage month observations, such as Hispanic Heritage Month, Native American Heritage Month, National Disability Employment Awareness Month (NDEAM), and Breast Cancer Awareness Month. Additionally, information and celebratory messaging was provided regarding Diwali, Hanukkah, and Kwanzaa, to name a few.

In terms of activities, the Office of DE&I hosted guest speaker James Rojas, an urban planner, to lead a candid discussion on planning in Latino communities by examining their landscape of memory, need, and aspiration. The presenter shared new planning tools to preserve and enhance the cultural authenticity in communities of color.

For Breast Cancer Awareness Month, the Office of DE&I coordinated an office-wide event, where all employees were encouraged to wear pink and support breast cancer awareness. At this event, representatives from the Susan G. Komen Breast Cancer Foundation spoke to all employees regarding the importance of early screening and ways to support everyone who has been affected by the disease.



**STRATEGIC INCENTIVES DIVISION  
K. SCHKOLNICK, DIRECTOR**

**Open Solicitations Administered by SID:**

- **Carl Moyer Program** –\$10 million (M) is available for eligible projects that upgrade or replace on-road vehicles, school buses, transit buses, off-road and agricultural equipment, marine equipment, and locomotives. Applications are being accepted on a first-come, first-served basis until all funds are awarded. [www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer)
- **Community Health Protection Grant Program** – \$40 M is available for eligible projects that reduce toxic air emissions and ozone-forming pollutants from mobile and stationary sources by replacing old, high-polluting vehicles and equipment. Priority is given to projects in the AB 617-identified communities of West Oakland, Richmond-San Pablo, East Oakland/San Leandro, Eastern San Francisco, Pittsburg-Bay Point area, San Jose, Tri-Valley area, and Vallejo. Community input will play an important role by informing the Air District’s project outreach and project identification processes. Applications are being accepted on a first-come, first-served basis until all funds are awarded to owners of eligible equipment and vehicles by June 2020. [www.baaqmd.gov/ab617grants](http://www.baaqmd.gov/ab617grants)
- **Lower-Emission School Bus Program** – Funding is available for public school districts, Joint Powers Authorities (JPAs), and contracted fleets in the Bay Area to do bus replacements, engine repowers or electric conversions, natural gas tank replacements, and electric charging & alternative fueling infrastructure projects. Applications are being accepted on a first-come, first served basis until all funds are awarded. [www.baaqmd.gov/lesbpnt](http://www.baaqmd.gov/lesbpnt)
- **Vehicle Trip Reduction Grant Program (Bicycle Facilities)** – Approximately \$3M is available for eligible bicycle facility projects that improve air quality and reduce greenhouse gas emissions by reducing single-occupancy vehicle trips. Bicycle Facility projects include bikeway and bicycle parking projects. Applications are being accepted on a first-come, first-served basis until all funds are awarded. [www.baaqmd.gov/tripreduction](http://www.baaqmd.gov/tripreduction)

- **Vehicle Buyback Program** – The Vehicle Buy Back Program pays Bay Area residents \$1,000 per vehicle to turn in their operable, registered, older passenger car or light-duty truck for scrapping. Eligible vehicles are model year 1996 and older. [www.baaqmd.gov/vbb](http://www.baaqmd.gov/vbb)

### **Key Accomplishments and Outreach:**

**Transportation Fund for Clean Air (TFCA)** – Authorized by the State Legislature in 1991, funding is generated through a \$4 surcharge on motor vehicles registered within the nine-county Bay Area to implement projects that reduce on-road motor vehicle emissions within the Air District’s jurisdiction. On April 3, 2019, the Board of Directors (Board) approved the allocation of \$32.3M in TFCA revenue, including up to \$18.3M in carryover, and on June 5, 2019, the Board authorized proposed cost-effectiveness limits for Air District-sponsored programs and approved proposed updates to the TFCA Regional Fund Policies and Evaluation Criteria for FYE 2020.

- **Regional Fund and Air-District Sponsored Projects:** 60% of TFCA funds are awarded to eligible projects and programs implemented directly by the Air District and the Regional Fund, which provides funding for clean air vehicle and trip reduction projects:
  - **Vehicle Trip Reduction Program** – The solicitation opened on August 6, 2019. To date, nineteen applications were received including ten for transportation service projects and nine (9) for bicycle facility projects. Fourteen eligible projects have been recommended for award, totaling \$3,230,700, to construct 2 Class IV bikeways and a Class I bikeway overcrossing, provide shuttle services serving as a first-and-last mile connection to mass transit, and construct 952 new bike parking spaces at activity centers and mass transit hubs. The remaining five (5) projects are either being reviewed or have been deemed ineligible. During this quarter, staff hosted four (4) pre-application webinars for the Vehicle Trip Reduction Program.
  - **Clean Air Vehicle Project** – Staff executed a funding agreement with California State University Maritime Academy on December 13, 2019, for \$13,500 for the purchase of one (1) electric shuttle bus.
  - **Outreach:**
    - **October 3 and 22, November 20, 2019:** Staff hosted a teleconference meeting with City/County of Association Governments of San Mateo to discuss their proposed project.
    - **October 31, 2019:** Staff hosted a teleconference meeting with the City of Palo Alto to discuss their project.
    - **November 6, 2019:** Staff hosted a teleconference meeting with City of San Ramon to discuss their project.
    - **December 10, 2019:** Staff teleconferenced with Alameda-Contra Costa Transit District to discuss their project.
  - **Meetings and Events:**
    - **October 8 and 9, 2019:** Staff attended the 3 Revolutions Mobility Workshop at UC Davis.
    - **October 17, 2019:** Staff attended a Bay Area Transportation Demand Management Working Group meeting hosted by MTC.
    - **November 21, 2019:** Staff attended the Metropolitan Transportation Commission’s Active Transportation Working Group meeting.

- **December 17, 2019:** Staff teleconferenced with CARB to discuss their Clean Mobility Options Voucher Pilot.
- **December 19, 2019:** Staff teleconferenced with the City of Albany to discuss electrification efforts for their fleet of parking enforcement vehicles.
- **County Program Manager (CPM) Fund:** Forty percent of TFCA funds are distributed to a designated CPM in each of the Bay Area's nine (9) counties to implement their own air quality projects. On November 2, 2019, staff received FYE 2020 project information and reports for projects from the previous year from all CPMs. During this quarter, staff hosted one (1) CPM Work Group meeting to discuss the draft CPM Expenditure Plan Guidance for FYE 2021. Comments from all the nine (9) CPM liaisons were received by August 28, 2019, and on December 27, 2019, staff released the CPM Expenditure Plan Guidance for FYE 2021.
  - **Outreach:**
    - **October 29, 2019:** Staff hosted a teleconference meeting with the Transportation Authority of Marin to discuss Marin County's project priorities and Air District funding opportunities, October 29, 2019
    - **December 6, 2019:** Staff attended the Bay Area County Transportation Agencies Directors Meeting to provide an update on the Air District's grant opportunities,
    - **December 16, 2019:** Staff hosted a teleconference meeting with Contra Costa Transportation Authority to discuss funding for charging stations, December 16, 2019.
- **Audit #20:** Fiscal audits are conducted on all TFCA-funded projects to confirm whether TFCA funds were used to implement the approved projects in accordance with applicable state law. This quarter, staff have coordinated with auditors Simpson & Simpson to complete the audit of over 40 TFCA Regional Fund projects that were completed between July 1, 2017 and June 30, 2019. Staff held three (3) teleconference status update meetings with representatives from Simpson & Simpson and presented audit results to the Mobile Source Committee in December. No audit finding was reported for Audit #20.

**CMP, School Bus Program, Funding Agricultural Replacement Measures for Emission Reductions Program (FARMER), and AB 617** – In cooperation with CARB, the Air District administers state-funded grant programs, including the Carl Moyer Program (CMP), Lower-Emission School Bus Program (LESP), FARMER, and AB 617 Community Health Protection Grant Program. These programs provide funding to reduce emissions from existing heavy-duty engines in on-road and off-road vehicles and equipment. Staff conducted outreach to promote funding opportunities, submitted disbursement requests and funding reports, and participated in meetings and educational/informational events related to these programs.

- **Outreach:**
  - **October 1, 2019:** Staff held a project discussion conference call with Santa Clara Valley Transportation Authority (VTA).
  - **October 29, 2019:** Staff sent out 2000+ on-road program mailers to vehicle owners.
  - **November 7, 2019:** Staff held a teleconference with AMPLY.
  - **November 12, 2019:** Staff held a teleconference with Motive.
  - **November 19 and December 12, 2019:** Staff held a webinar for on-road project opportunities.
  - **November 20, 2019:** Staff had a discussion with Ballard Power Systems.

- **December 4, 2019:** Staff met with representatives from WAVE to discuss grant opportunities for wireless charging infrastructure transit projects in Contra Costa County.
  - **December 5, 2019:** Staff sent out final reminders to Grantees with outstanding annual reports.
  - **December 18, 2019:** Staff had a discussion with Lineage regarding cold storage.
- **Requests and Reports:**
    - **October 15, 2019:** Staff submitted Diesel Emissions Reduction Act (DERA) quarterly reports to EPA for all active grants.
    - **November 1, 2019:** Staff submitted FARMER 3 (FY 2019-20) application to CARB.
    - **November 7, 2019:** Staff submitted FARMER quarterly report to CARB.
    - **November 21, 2019:** Staff submitted semi-annual AB 134/SB 856 reporting to CARB.
    - **December 4, 2019:** Staff submitted application to CARB for participation in CMP program Year 22.
  - **Meetings and Events:**
    - **November 13, and December 11, 2019:** Staff attended the monthly CAPCOA Mobile Source Committee and Grants Committee meetings.
    - **October 15, 2019:** Staff attended a Pittsburg Unified School District electric school bus meeting / event.
    - **December 19, 2019:** Staff participated on a Bay Area Regional Collaborative (BARC) Goods Movement Collaborative Air Quality Sub-Committee.
    - **November 18, 2019:** Staff participated in a Port of Oakland Trucker Working Group meeting.
    - **November 15, 2019:** Staff attended a GSC Logistics/BYD demonstration.
    - **December 11, 2019:** Staff participated in a DERA webinar.

**Proposition 1B Goods Movement Program (GMP)** – This program provided funding to upgrade or replace diesel equipment, including trucks, locomotives, Transportation Refrigeration Units (TRUs), cargo handling equipment, and shore power equipment. This quarter, staff submitted a semi-annual GMP report.

#### **Other Programs and Special Projects:**

- **AC Transit Hydrogen Fuel Cell Bus Project** – This project is co-funded by CARB and \$1M TFCA to deploy 10 hydrogen fuel cell electric buses and to make upgrades to an existing fueling station in the City of Emeryville. This quarter, staff attended nine (9) meetings with Project partners to discuss Project progress. As of September 30, 2019, all 10 project buses were received by AC Transit.
- **Goodwill Electric Truck Project** – This Project is co-funded by TFCA and CARB, in partnership with SF Goodwill, the Center for Transportation and the Environment, and Build Your Dreams (BYD) Corporation and will test the viability of deploying a fleet of electric delivery trucks in the Bay Area and ultimately provide a model to electrify Goodwill’s truck fleet across the nation. As of October 2018, all 11 Project vehicles had been delivered to Goodwill for testing. This quarter, staff continued to host biweekly meetings with Project partners to discuss Project progress and made a site visit to a facility where work is performed on project vehicles.

- **Zero-Emission Hydrogen Ferry Demonstration Project** – This Project, funded by CARB and administered by the Air District, will demonstrate the feasibility of hydrogen fuel cells for use in the commercial maritime industry by deploying a zero-emission hydrogen ferry in San Francisco Bay. Construction on the ferry started in November 2018 and is expected to be completed in early 2020. This quarter, staff hosted two (2) monthly meetings with the grantee and Project partners to discuss Project progress. Staff also hosted weekly meetings with CARB and the grantee to discuss Project progress. Staff delivered one (1) disbursement in the amount of \$203,980 to the grantee and submitted one (1) disbursement request to CARB for \$143,220, which has been received by the Air District.
  
- **West Oakland Zero-Emission Grant Program** – Funding for this Program is provided by the Reformulated Gas Settlement Fund under contract to the Bay Area Clean Air Foundation to fund projects that reduce diesel use by accelerating the adoption of zero-emission vehicles and equipment in and around West Oakland and Oakland International Airport. To date, six (6) funding agreements have been executed for approved projects, one (1) proposed funding agreement is pending project sponsor signature, and two (2) additional applications received in December 2019 are being reviewed. During this quarter, staff conducted four (4) pre-application webinars, and staff submitted two (2) status reports to the Reformulated Gasoline Settlement Fund administrator.
  - **Outreach:**
    - **October 9, 2019:** Staff teleconferenced with representatives from Lion Electric, a potential project vendor, to discuss Program eligibility requirements.
    - **November 1, 2019:** Staff met with a representative from DIY-EV to discuss Program Eligibility Requirements.
    - **November 7, 2019:** Staff teleconferenced with representatives from potential project sponsor Monkeybrains to discuss proposed Project Scope.
    - **November 21 and 25, 2019:** Staff teleconferenced with representatives from the City of Oakland (November 21, 2019) and Freewire (November 26, 2019) to discuss Program eligibility requirements.
    - **December 4, 2019:** Staff teleconferenced with Zum Technologies to discuss Program eligibility requirements.
    - **December 11, 2019:** Staff attended the Easy Bay Clean Cities Lunch & Learn at FreeWire Technologies headquarters and presented on Program highlights and key requirements.
    - **December 16, 2019:** Staff teleconferenced with FreeWire to discuss Program requirements.
    - **December 19, 2019:** Staff teleconferenced with Phoenix Motorcars to discuss Program eligibility, December 19, 2019.
  
- **Wood Smoke Reduction Incentive Program** – The Winter 2017/2018 Program cycle launched in January 2018 with approximately \$800,000 available for residents in Community Air Risk Evaluation (CARE) and High Wood Smoke Areas. The Program closed on November 25, 2019. As of Program closure, 1,737 applications were received, approximately 19 of which were received this quarter, a total of \$528,416 in funding has been encumbered, 247 projects have been paid, 21 are active and in progress, 10 have pending payment requests, and 1,459 projects have been either withdrawn by the applicant or rejected by the Air District for not meeting program requirements.



## **Grant Programs in Development:**

**Volkswagen (VW) Environmental Mitigation Trust Fund Program** – The VW Environmental Mitigation Trust will provide approximately \$423M for California to mitigate the excess nitrogen oxide emissions caused by VW’s use of illegal emissions testing defeat devices. Under contract to CARB, San Joaquin Valley, South Coast, and Bay air districts will be administering VW Program funding, with Bay Area being responsible for the administration of funding for light-duty zero-emission vehicle infrastructure and zero-emission freight and marine projects. During this quarter, staff’s efforts were focused on program development: coordination meetings were held with GreenInfo Network, the website developer, and biweekly meetings were held with Fluxx Labs, the provider of grants management systems as a service; and staff also participated in coordination meetings with the other administering air districts and CARB.

- The website for the Zero-Emission Freight and Marine program went live on September 20, 2019. The solicitations for project categories Zero-Emission Freight and Marine as well as Light-Duty Hydrogen are anticipated to open in phases during quarter one of 2020.
- Solicitation for the Zero-Emission Bus project category administered by San Joaquin Valley Air Pollution Control District launched on October 21, 2019, and the solicitation for the Combustion Freight and Marine project category launched on December 6, 2019.
- Staff received a disbursement of administrative funds of \$1M for the light-duty zero-emission infrastructure program on July 26, 2019 and \$1.75M for the zero-emission freight and marine program on September 6, 2019 from the Trust.
- On November 1, 2019, staff submitted a semi-annual report to CARB.
- On October 29, 2019 staff sent an e-blast, and on November 13, 2019 staff sent about 300 personalized e-mails, to notify school and transit districts that the VW Mitigation Trust Fund for Zero-Emission Transit, School, and Shuttle Buses is now accepting applications.

## **Other SID Meetings and Events:**

- **October 2, November 7, and December 5, 2019:** Staff attended a monthly hydrogen update teleconference with other California government representatives.
- **October 4, 2019:** Staff hosted a teleconference meeting with Peninsula Clean Energy to share information about the Air District’s Commercial Lawn & Garden Equipment Exchange Program.
- **October 10, 2019:** Staff participated in a meeting with Bob Hambrecht to discuss project financing options for bio-mass market development projects.
- **October 10, 2019:** Staff met with representatives from Switch Maritime to discuss funding opportunities for a renewable hydrogen station and a hydrogen-powered barge project.
- **October 15, 2019:** Staff participated in a meeting with the delegation from Beijing Municipal Bureau of Ecology and Environment.
- **October 22, 2019:** Staff presented at the Air & Waste Management Association’s conference on Freight & Environment: Ports of Entry, Newark, NJ.
- **October 24, 2019:** Staff testified at the California Air Resources Board (CARB) October Board Meeting regarding the Fiscal Year 2019-20 Funding Plan for Clean Transportation Incentives for Low Carbon Transportation Investments and the Air Quality Improvement Program, October 24, 2019.
- **October 25, 2019:** Staff attended CEC’s Workshop for Medium -and- Heavy-Duty Zero-Emission Vehicles and Infrastructure Solicitation Concepts.

- **October 28, 2019:** Staff attended the Air District sponsored Particulate Matter: Spotlight on Health Protection symposium.
- **October 28, 2019:** Staff presented at the CARB sponsored Implementing the Innovative Clean Transit and Zero-Emission Airport Shuttle Regulations.
- **October 29, 2019:** Staff attended the Port & Freight Decarbonization Forum, hosted by UC Berkeley School of Law, to discuss opportunities to improve the permitting, regulatory incentives, and financing of decarbonization technologies and infrastructure at the Port of Oakland, Berkeley.
- **October 29, 2019:** Staff attended and presented at the regional meeting on Implementing the Innovative Clean Transit (ICT) and Zero-Emission Airport Shuttle Regulations.
- **October 31, 2019:** Staff hosted a teleconference meeting with the San Francisco Department of Environment to discuss the Air District's grants programs.
- **November 5, 2019:** Staff participated at the CA Council for Environmental & Economic Balance Annual Meeting.
- **November 5, 2019:** Staff attended the Bay Area EV Coordinating Council.
- **November 12 and 13, 2019:** Staff attended the Clean Heavy-Duty Transportation Funders Forum and Medium- and Heavy-duty Zero Emission Infrastructure Working Group meeting hosted by CALSTART in Sacramento.
- **November 15, 2019:** Staff teleconferenced with CALSTART and Netlift to discuss transportation demand management solution.
- **November 20, 2019:** Staff attended a CO2 Strategy – vehicle miles traveled reduction workgroup meeting with the Planning Division.
- **November 25, 2019:** Staff teleconferenced with a PG&E representative to discuss funding opportunities for medium- and heavy-duty vehicle electrification projects.
- **December 10 and 11, 2019:** Staff attended the CAPCOA Mobile Source/Grants Symposium, San Diego.
- **December 13, 2019:** Staff attended a webinar on the West Coast Collaborative Alternative Fuel Infrastructure Corridor Coalition.
- **December 23, 2019:** Staff hosted a teleconference meeting with Washoe County Health District to share information about the Air District's Commercial Lawn & Garden Equipment Exchange Program.

**METEOROLOGY & MEASUREMENTS DIVISION**  
**R. CHIANG, DIRECTOR**

### **Air Quality Forecasting**

October 6 and 7, 2019: Light offshore winds and strong high pressure caused temperatures to reach the upper-80s to low-90s throughout most of the Bay Area. No exceedances were recorded as winds were stronger than expected.

October 24 – 31, 2019: Strong offshore winds during the late-night hours of October 23, 2019 led to the start of the largest wildfire in Sonoma County history (Kincade Fire). As a result, Spare the Air alerts were issued for PM<sub>2.5</sub> from October 24 – 31, 2019. Smoke impacts were limited to areas of the North Bay, except for October 28, 2019, when a fire in the Suisun Marsh resulted in a smoke plume directed at the San Pablo monitor, which recorded the only exceedance during this period.

November 9 and 10, 2019: High pressure over the Great Basin produced light northerly winds and high temperatures in the 70s across the Bay Area. A strong temperature inversion trapped pollutants near the surface across the South Bay, leading to elevated PM<sub>2.5</sub> levels. No exceedances occurred.

### **Regulatory Air Monitoring**

Thirty-one air monitoring sites and fourteen meteorological towers were operational. The air monitoring team also worked to secure locations for additional monitoring sites:

- Benicia: Work continued to secure a viable site for a community air monitoring stations at Robert Semple Elementary School in Benicia.
- Livermore: Staff finalized the lease for the new EPA mandated Photochemical Assessment Monitoring Stations (PAMS) and began work on building out the station with the intent of making it operational in the first quarter of 2020.

### **Quality Assurance**

All gas analyzers and particulate samplers were found to be operating within the Air District's established accuracy limits (27 monitoring stations, 83 parameters). The National Air Quality System Database was updated with all audit results.

- *Ground-Level Monitoring (GLM) audits of Hydrogen Sulfide (H<sub>2</sub>S) and Sulfur Dioxide (SO<sub>2</sub>) analyzers:* All GLM gas analyzers tested met the Air District's audit criteria. Audits were conducted at the Marathon, Chevron and Valero Refineries (nine (9) GLM locations; 14 gas analyzers).
- The PE Section's chemical inventory was completed during the month. The PE and Source Test Sections are inventorying all chemical gases, liquids, and solids for the District's Hazard Communication and Chemical Hygiene Plan.
- The PE Section has been working to create a functional "bump test" to provide the Compliance and Enforcement Division with necessary quality control checks for the C&E Division's 4 portable Ametek Jerome® H<sub>2</sub>S hand-held monitors.
- Regular departmental duties continued, including audits; report processing and review; database management; and equipment testing and maintenance.

### **Laboratory**

The laboratory continues to perform its ongoing, routine analyses related to Air Monitoring activities.

In addition to regularly scheduled samples, the laboratory performed analyses of samples taken during Compliance & Enforcement's response to the NuStar Energy facility fire, Source Test samples taken at Calpine LMEC, and evaluations of new air quality monitoring capabilities.

## Community Monitoring

Evaluation of measurement technologies and development of new air quality capabilities:

- Staff continued a collocation study to evaluate the difference in performance between a variety of particulate matter instruments.
- Work continued on developing the air quality monitoring van and other analytical methods.

Staff continued to work with Aclima to conduct mobile measurements throughout the Bay Area to identify air pollution hot spots and establish baseline concentrations of air pollutants.

- Aclima completed a three-month-long, mobile air monitoring campaign in Richmond and San Pablo in response to a request by the AB 617 Steering Committee. Data will be made available to the public during the first quarter of 2020.
- Staff continued work with Aclima on the Pro-Portal, a web-based tool for the Air District to visualize, analyze, and interpret data.

Technical Advising to Bay Area Communities and Stakeholders

- Richmond-San Pablo AB 617 Steering Committee (monthly) and co-lead meetings (weekly).
- Lehigh Cement Town Hall in Cupertino (September 16, 2019).
- BVHP EJ task force meetings (October 16, 2019 and November 20, 2019), BVHP EJ Bus Tour with Dr. Thompkins (December 11, 2019).
- Eastern Contra Costa County capacity building in Pittsburg (November 12, 2019).
- Tri-City Rock Permit Public Meeting in Fremont (December 11, 2019).

## AB 617

- AB 617 Richmond-San Pablo Monitoring Plan
  - With Community Engagement, planned and attended three (3) Steering Committee meetings (October 9, 2019, November 13, 2019, and December 11, 2019) and the related weekly co-lead meetings. Support includes developing agendas, presentations, and other technical resources.
  - With Community Engagement, designed and attended the November 2, 2019 Community Summit, coordinating contributions from Rule Development, Planning, Compliance & Enforcement, Aclima, and CARB grantees.
  - Draft the initial Richmond-San Pablo Community Air Monitoring Plan and incorporate comments from the Co-lead Team, Air District Divisions, and CARB. The Draft Plan was released to solicit comments from the Steering Committee in December.
  - With Community Engagement, the Legislative Office, and community co-leads, plan and attend Environmental Justice (EJ) bus tour for Assembly member Buffy Wicks (December 4, 2019)
- Develop materials and begin meeting with community groups conducting air monitoring to provide technical support (e.g. Quality Assurance/Quality Check for projects), including three (3) 2019 CARB Community Air Grant recipients.

## **Air Quality Analysis**

Completed service as CAPCOA Monitoring Committee Chair, helped identify and train new Monitoring Committee Officers.

Complete the review of the monitoring design for one (1) Asbestos Dust Monitoring Plan (ADMP) for Compliance & Enforcement.

## **Source Test**

- Evaluations and acquisition of new measurement technologies and developed test procedures relevant to AB 617, Regulation 11-18 and emission inventory improvement.
- Oversight of the Regulation 12-15 fence line monitoring programs.
- Drafting revisions to the Manual of Procedures Volumes IV and V.
- Oversight of South Bay Odor Study and Work Plan Development and coordination with South Bay Odor Stakeholder Group Meeting.
- Provided refinery fence-line and community monitoring update at Benicia City Council Study Session Meeting.
- Presented on fence-line and community monitoring at the Refinery and Chemical Industry Emissions Symposium.
- Hosted fence-line monitoring webinar.
- Source tests conducted:
  - Performance of CEM Field Accuracy Tests on monitors installed at large source emission points.
  - Performance of source tests to determine emissions of precursor organic compounds, filterable and condensable particulate matter and toxic air contaminants.
  - Performance of tests to assess the compliance status of gasoline cargo tanks, gasoline dispensing facilities, gasoline terminal loading and vapor recovery systems.
  - Performance of power plant metals testing in support of Regulation 11-18 Health Risk Assessments.
  - Evaluation of independent contractor conducted source tests to determine report acceptability and source compliance.
  - Evaluation of CEMS installations and ongoing compliance, including monitoring plan review and approval.
  - Performance of special study of refinery Ammonia CEMS accuracy.
- Technical advising to Air District Divisions:
  - Emission data interpretation, permit development and recommendations for further evaluation indicating potential violations.
  - Development of Rules 6-5, 8-5, 13-2, 13-3 and 13-5.
  - Organics Emissions Estimation (OEE) workgroups.
  - Refinery Rules Technical Working Group (RRTWG).

**STATISTICS**

<b>STATISTICS</b>			
<b><u>Administrative Services:</u></b>		<b><u>Compliance Assistance and Operations Program:</u></b>	
<b>Accounting/Purchasing/Comm.</b>		Asbestos Plans Received	1,474
General Checks Issued	1,512	Coating and other Petitions Evaluated	3
Purchase Orders Issued	533	Open Burn Notifications Received	352
Checks/Credit Cards Processed	4,344	Prescribed Burn Plans Evaluate	7
Contracts Completed	96	Tank/Soil Removal Notifications Received	19
RFP/RFQ	11	Compliance Assistance Inquiries Received	16
		Green Business Reviews	4
		Refinery Flare Notifications	35
<b><u>Executive Office:</u></b>			
Air Pollution Control Officer's Meetings Attended	176		
Board Meetings Held	3	<b><u>Compliance Assurance Program:</u></b>	
Committee Meetings Held	12	Industrial Inspections Conducted	1,191
Advisory Council Meetings Held	2	Gas Station Inspection Conducted	115
Hearing Board Meetings Held	1	Asbestos Inspections Conducted	436
Variances Received	5	Open Burning Inspections Conducted	7
		PERP Inspections Conducted	72
<b><u>Information Systems:</u></b>		Mobile Source Inspections	43
New Installation Completed	16	Grant Inspections Conducted	172
PC Upgrades Completed	3		
Service Calls Completed	950	<b><u>Engineering Division:</u></b>	
		Annual Update Packages Completed	777
<b><u>Human Resources:</u></b>		New Applications Received	260
Manager/Employee Consultation (Hrs.)	350	Authorities to Construct Issued	206
Management Projects (Hrs.)	400	Permits to Operate Issued	197
Employee/Benefit Transaction	600	Exemptions	6
Training Sessions Conducted	6	New Facilities Added	83
Applications Processed	806	Registrations (New)	14
Exams Conducted	13	Health Risk Assessments (HRA)	62
New Hires	9	Regular Employees Staffed	63
Promotions	4	Position Vacancies	7
Separations	9	Temporary Employees Staffed	2
Payroll Administration (Hrs.)	800	Interns Staffed	0
Safety Administration	150		
Inquiries	4,000	<b><u>Communications and Public Information:</u></b>	
		Responses to Media Inquires	165
		Events Staffed with Air District Booth	5

<b>STATISTICS</b>			
		<b><u>Community Engagement:</u></b>	
<b><u>Facility/Vehicle:</u></b>		Presentations Made	12
Request for Facility Service	99	Visitors	1
Vehicle Request(s)	338	Air District Tours	1
Vehicle Maintenance Request(s)	70	Community Meetings Attended	21
<b><u>Compliance and Enforcement Division:</u></b>		<b>4th Quarter 2019 Agricultural Burn Days</b>	
<b><u>Enforcement Program</u></b>		Oct - December Permissive Burn Days-North	59
Violations Resulting in Notices of Violations	194	Oct - December No-Burn Days-North	33
Violations Resulting in Notice to Comply	0	Oct - December Permissive Burn Days-South	59
New Hearing Board Cases Reviewed	5	Oct - December No-Burn Days-South	33
Reportable Compliance Activity Investigated	196	Oct - December Permissive Burn Days-Coastal	58
General Complaints Investigated	855	Oct - December No Burn Days-Coastal	34
Wood Smoke Complaints Received	447		
Mobile Source Violations	7	<b><u>Laboratory</u></b>	
		Sample Analyzed	2,432
<b><u>Meteorology Measurements &amp; Rules:</u></b>		Inter-Laboratory Analyses	0
<b>4th Quarter 2019 Ambient Air Monitoring</b>			
Days Exceeding Nat'l 24-Hour PM <sub>2.5</sub> Std.	1	<b><u>Technical Library</u></b>	
Days Exceeding Nat'l 24-Hour PM <sub>10</sub> Std.	0	Titles Indexed/Cataloged	0
Days Exceeding State 24-Hour PM <sub>10</sub> Std.	0	Periodicals Received/Routed	0
Days Exceeding the Nat'l 8-Hour Ozone Std.	0		
Days Exceeding the State 1-Hour Ozone Std.	0	<b><u>Source Test</u></b>	
Days Exceeding the State 8-Hour Ozone Std.	0	Cargo Tank Tests Performed	0
		Total Source Tests	41
<b>Ozone Totals, Year to Date 2019</b>		Pending Source Tests	0
Days Exceeding State 1-Hour Ozone Std.	6	Further Evaluation Notices Recommended	10
Days Exceeding Nat'l 8-Hour Ozone Std.	9	Contractor Source Tests Reviewed	3,569
Days Exceeding State 8-Hour Ozone Std.	9	Outside Test Observed	23
		Further Evaluation Notices Recommended After Review	10

<b>STATISTICS</b>			
<b>Particulate Totals, Year to Date 2019</b>		<u>Contractor Source Test Protocols Reviewed</u>	28
Days Exceeding Nat'l 24-Hour PM <sub>2.5</sub> Std.	1	<b><u>Continuous Emissions Monitoring (CEM)</u></b>	
Days Exceeding Nat'l 24-Hour PM <sub>10</sub> Std.	0		
Days Exceeding State 24-Hour PM <sub>10</sub> Std.	2	Indicated Excess Emission Report Eval.	11
		Monthly CEM Reports Reviewed	119
<b>PM<sub>2.5</sub> Winter Season Totals for 2019 - 2020</b>		Indicated Excesses from CEM	23
Days Exceeding Nat'l 24-Hour PM <sub>2.5</sub> Std.	0	Field Accuracy Test Performed	8
		<b><u>Ground Level Monitoring (GLM)</u></b>	
		Oct - December Ground Level Monitoring SO <sub>2</sub> Excess Reports	0
		Oct - December Ground Level Monitoring H <sub>2</sub> S Excess Reports	0



**These facilities have received one (1) or more Notices of Violations  
Report period: October 1, 2019 – December 31, 2019**

<b>Alameda County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
10/08/19	A9684	Bay Ship & Yacht Co	Alameda	Failure to Meet Permit Conditions
10/08/19	A9684	Bay Ship & Yacht Co	Alameda	Failure to Meet Permit Conditions
11/07/19	Z7034	Berkeley Touchless Carwash	Berkeley	Failure to Meet Permit Conditions
12/10/19	Z7141	MFD	Berkeley	Asbestos; On-Site Representative
12/10/19	Z7141	MFD	Berkeley	Waste Disposal Procedures
10/04/19	Z6816	P. W. Stephens Environmental, Inc.	Fremont	Improper Demolition, Renovation and Removal
10/04/19	Z6816	P. W. Stephens Environmental, Inc.	Fremont	Waste Disposal Procedures
10/08/19	Z6817	SFD	Fremont	Asbestos; Containment Requirement
10/08/19	Z6817	SFD	Fremont	Asbestos; On-Site Representative
10/18/19	A3224	Amphenol Thermometrics, Inc	Fremont	Failure to Meet Permit Conditions
10/23/19	A8391	Western Digital Corporation	Fremont	Failure to Meet Permit Conditions
10/23/19	A8391	Western Digital Corporation	Fremont	Semiconductor Wafer Fabrication Operations - Fab Area Wipe Cleaning
11/25/19	A4134	Irvington Memorial Cemetery	Fremont	Failure to Meet Permit Conditions
10/08/19	Z6921	Gov	Hayward	Asbestos; Schedule Changes and Updates
12/11/19	B1541	V V Collision Center	Hayward	No Permit to Operate
12/18/19	Z6921	Gov	Hayward	Asbestos; Schedule Changes and Updates
11/25/19	Z6582	Gateway Station West	Newark	Standards for New Stationary Sources
11/25/19	Z6582	Gateway Station West	Newark	Standards for New Stationary Sources
11/25/19	Z6582	Gateway Station West	Newark	Standards for New Stationary Sources
10/17/19	A0062	A B & I Foundry	Oakland	Public Nuisance
10/22/19	W5469	Express Gas & Mart	Oakland	GDF Phase II Equipment Not Maintained
10/29/19	A2650	Nor-Cal Metal Fabricators	Oakland	Failure to Meet Permit Conditions
12/02/19	Z7050	SFD	Oakland	Asbestos; Containment Requirement
12/02/19	Z7050	SFD	Oakland	Asbestos; On-Site Representative
12/05/19	Z7079	Bancroft Gas Corp.	Oakland	GDF Phase I Equipment Not Maintained
12/05/19	Z7079	Bancroft Gas Corp.	Oakland	Phase I vapor recovery equipment shall be both leak free and vapor tight
12/05/19	Z7079	Bancroft Gas Corp.	Oakland	All Phase II vapor recovery equipment shall be both leak free and vapor tight
12/05/19	Z7079	Bancroft Gas Corp.	Oakland	GDF Phase II Equipment Not Maintained
12/05/19	Z7079	Bancroft Gas Corp.	Oakland	GDF Phase I Requirement
12/05/19	Z7079	Bancroft Gas Corp.	Oakland	GDF Record Keeping Requirements
10/17/19	Z6836	Bright View Landscape Dev	Pleasanton	No Permit to Operate
10/31/19	Z6717	SFD	Pleasanton	Asbestos Containing Waste Disposal
10/31/19	Z6717	SFD	Pleasanton	Asbestos Waste Disposal
10/31/19	Z6717	SFD	Pleasanton	Demolition, Renovation, and Removal Requirement
10/31/19	Z6717	SFD	Pleasanton	Asbestos; On-Site Representative
10/31/19	Z6717	SFD	Pleasanton	Asbestos; Written Plan or Notification
10/16/19	V6369	All Star Gas	San Leandro	GDF Record Keeping Requirements - Retain for 24 months.
<b>Contra Costa County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
12/02/19	Z7049	SFD	Antioch	Asbestos; Containment Requirement
10/10/19	Z6832	COM	Bay Point	Asbestos; Schedule Changes and Updates
10/17/19	Z6835	Bethel Market	Bethel Island	No Permit to Operate
10/16/19	E3903	D&D Ready Mix Inc	Byron	Failure to Meet Permit Conditions
12/10/19	Z7104	SFD	Concord	Asbestos; Schedule Changes and Updates
10/28/19	A0581	ST Shore Terminals LLC	Crockett	Excessive Visible Emissions
10/28/19	A0581	ST Shore Terminals LLC	Crockett	Public Nuisance
10/28/19	A0581	ST Shore Terminals LLC	Crockett	Open Burning; Prohibition of Fires
10/02/19	B2758	Tesoro Refining & Marketing Company, LLC	Martinez	Non-Compliance; Major Facility Review
10/02/19	B2758	Tesoro Refining & Marketing Company, LLC	Martinez	Continuous Emission Monitoring and Recordkeeping
10/02/19	B2758	Tesoro Refining & Marketing Company, LLC	Martinez	Continuous Emission Monitoring and Recordkeeping
10/02/19	B2758	Tesoro Refining & Marketing Company, LLC	Martinez	Excessive Visible Emissions
10/02/19	B2758	Tesoro Refining & Marketing Company, LLC	Martinez	Excessive Visible Emissions
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Non-Compliance; Major Facility Review
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Standards for New Stationary Sources
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Non-Compliance; Major Facility Review
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Standards for New Stationary Sources
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Non-Compliance; Major Facility Review
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Standards for New Stationary Sources
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Non-Compliance; Major Facility Review
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Standards for New Stationary Sources
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Non-Compliance; Major Facility Review
11/25/19	A0907	Central Contra Costa Sanitary District	Martinez	Standards for New Stationary Sources
12/05/19	B6381	Clean Harbors Industrial Services, Inc	Martinez	Failure to Meet Permit Conditions
10/09/19	A4618	Keller Canyon Landfill Company	Pittsburg	Landfill Surface Requirements
10/09/19	A4618	Keller Canyon Landfill Company	Pittsburg	Standards for New Stationary Sources

**These facilities have received one (1) or more Notices of Violations  
Report period: October 1, 2019 – December 31, 2019 (continued)**

<b>Contra Costa County (Continued)</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
11/18/19	A2371	USS-POSCO Industries	Pittsburg	Non-Compliance; Major Facility Review
10/01/19	A1840	West Contra Costa County Landfill	Richmond	Non-Compliance; Major Facility Review
10/01/19	A1840	West Contra Costa County Landfill	Richmond	Landfill Emission Control System Requirement
10/01/19	A1840	West Contra Costa County Landfill	Richmond	Non-Compliance; Major Facility Review
10/01/19	A1840	West Contra Costa County Landfill	Richmond	Landfill Emission Control System Requirement
10/01/19	A1840	West Contra Costa County Landfill	Richmond	Non-Compliance; Major Facility Review
10/01/19	A1840	West Contra Costa County Landfill	Richmond	Landfill Emission Control System Requirement
10/08/19	B1869	Qualawash Holdings LLC	Richmond	NO <sub>x</sub> and CO from Industrial, Institutional and Commercial Boilers, Steam Generators and Proc
10/09/19	A7053	Dutra Materials/San Rafael Rock Quarry Inc	Richmond	Failure to Meet Permit Conditions
10/15/19	A1840	West Contra Costa County Landfill	Richmond	No Permit to Operate
10/15/19	A1840	West Contra Costa County Landfill	Richmond	No Permit to Operate
10/21/19	A0010	Chevron Products Company	Richmond	Non-Compliance; Major Facility Review
10/21/19	A0010	Chevron Products Company	Richmond	Storage Tank Control Requirements for Organic Liquids
10/21/19	A0010	Chevron Products Company	Richmond	Standards for New Stationary Sources
10/21/19	A0010	Chevron Products Company	Richmond	Storage Tank Control Requirements for Organic Liquids
10/21/19	A0010	Chevron Products Company	Richmond	Standards for New Stationary Sources
10/29/19	Z6906	Central Gas Richmond	Richmond	Failure to Meet Permit Conditions
10/29/19	Z6906	Central Gas Richmond	Richmond	GDF Standard Phase II Requirements of CARB certified and manufacturer's specification
11/04/19	A0010	Chevron Products Company	Richmond	Non-Compliance; Major Facility Review
11/04/19	A0010	Chevron Products Company	Richmond	Non-Compliance; Major Facility Review
11/04/19	A0010	Chevron Products Company	Richmond	Emission Limitations for Sulfur Recovery Plants
11/04/19	A0010	Chevron Products Company	Richmond	Emission Limitations for Sulfur Recovery Plants
11/07/19	A1840	West Contra Costa County Landfill	Richmond	Landfill Emission Control System Requirement
11/13/19	Z7037	Richmond Chevron	Richmond	GDF Standard Phase II CARB Certified Requirement
11/13/19	Z7037	Richmond Chevron	Richmond	Failure to Meet Permit Conditions
12/04/19	A0023	Chemtrade West US LLC	Richmond	Continuous Emission Monitoring and Recordkeeping - Daily Calibrations
12/04/19	A0023	Chemtrade West US LLC	Richmond	Continuous Emission Monitoring and Recordkeeping
12/04/19	A0023	Chemtrade West US LLC	Richmond	Non-Compliance; Major Facility Review
12/04/19	A0023	Chemtrade West US LLC	Richmond	Standards for New Stationary Sources
12/04/19	A0023	Chemtrade West US LLC	Richmond	Continuous Emission Monitoring and Recordkeeping - Daily Calibrations
12/04/19	A0023	Chemtrade West US LLC	Richmond	Non-Compliance; Major Facility Review
12/04/19	A0023	Chemtrade West US LLC	Richmond	Non-Compliance; Major Facility Review
12/04/19	A0023	Chemtrade West US LLC	Richmond	Non-Compliance; Major Facility Review
12/17/19	W2547	Cutting Mini Market (ARCO)	Richmond	No Permit to Operate
11/12/19	A0016	Phillips 66 Company - San Francisco Refinery	Rodeo	Open - Ended Line or Valve
11/21/19	A0016	Phillips 66 Company - San Francisco Refinery	Rodeo	Standards for New Stationary Sources
11/21/19	A0016	Phillips 66 Company - San Francisco Refinery	Rodeo	Standards for New Stationary Sources
11/21/19	A0016	Phillips 66 Company - San Francisco Refinery	Rodeo	Failure to Meet Permit Conditions
12/17/19	Z4346	Top Food and Gas	San Pablo	No Permit to Operate
10/31/19	E2579	Atria Senior Living Facility	Walnut Creek	No Permit to Operate
<b>Marin County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
12/30/19	A1275	Novato Sanitary District	Novato	Failure to Meet Permit Conditions
<b>Napa County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
12/17/19	E3899	Rombauer Vineyards	Napa	Failure to Meet Permit Conditions
<b>San Francisco County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
10/01/19	A2780	British Motor Cars Dist	San Francisco	Failure to Meet Permit Conditions
10/15/19	C2678	Auto City Food Mart	San Francisco	GDF Standard Phase I CARB Certified Requirement
10/22/19	Z6908	Divisadero Union 76	San Francisco	GDF Phase I Equipment Not Maintained
10/24/19	Z6910	Gas and Shop	San Francisco	Failure to Meet Permit Conditions
12/03/19	Z7057	Gas and Shop	San Francisco	Phase I vapor recovery equipment shall be both leak free and vapor tight
12/03/19	Z7057	Gas and Shop	San Francisco	All Phase II vapor recovery equipment shall be both leak free and vapor tight

**These facilities have received one or more Notices of Violations  
Report period: October 1, 2019 – December 31, 2019 (continued)**

<b>San Mateo County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
10/23/19	A2266	Browning-Ferris Industries of CA, Inc	Half Moon Bay	Landfill Emission Control System Requirement
10/23/19	A2266	Browning-Ferris Industries of CA, Inc	Half Moon Bay	Non-Compliance; Major Facility Review
10/21/19	Z6917	Union 76	Redwood City	GDF Phase I Equipment Not Maintained
10/21/19	Z6917	Union 76	Redwood City	GDF Phase I Requirement
10/21/19	Z6917	Union 76	Redwood City	GDF Phase I Requirement
11/05/19	Z7000	Whipple Arco	Redwood City	GDF Phase I Requirement
11/27/19	J3658	Union 76 S/S R3025	Redwood City	No Authority to Construct
12/16/19	E2919	Redwood City Hotels, LLC	Redwood City	No Permit to Operate
12/23/19	Z7126	West Valley Construction	Redwood City	No Authority to Construct
11/06/19	Z6948	Olympic	San Mateo	No Permit to Operate
11/20/19	Z7055	Union 76	San Mateo	GDF Standard Phase I CARB Certified Requirement
11/25/19	B0327	Sutter Bay Hospitals dba Mills-Peninsula Health	San Mateo	Failure to Meet Permit Conditions
10/08/19	A1257	Genentech, Inc	South San Francisco	Periodic Testing
10/10/19	Y4197	Gas & Shop	South San Francisco	GDF Phase II Equipment Not Maintained
10/10/19	Y4197	Gas & Shop	South San Francisco	GDF Standard Phase II Requirements of CARB certified and manufacturer's specification
10/15/19	Y4197	Gas & Shop	South San Francisco	No Permit to Operate
11/14/19	F4915	Genentech, Inc.	South San Francisco	Asbestos; Schedule Changes and Updates
11/26/19	Z4883	Chico's Service Station	South San Francisco	Failure to Meet Permit Conditions
12/19/19	Z7144	Courthouse	South San Francisco	Asbestos; Schedule Changes and Updates
<b>Santa Clara County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
10/01/19	Z6603	Cannery Apartments	Campbell	Asbestos; Wetting Method
10/01/19	Z6603	Cannery Apartments	Campbell	Asbestos; Containment Requirement
10/01/19	Z6603	Cannery Apartments	Campbell	Demolition, Renovation, and Removal Requirement
10/01/19	Z6603	Cannery Apartments	Campbell	Asbestos; On-Site Representative
10/01/19	Z6603	Cannery Apartments	Campbell	Asbestos Containing Waste Disposal
12/04/19	Z7065	Government Building	Campbell	Asbestos; Schedule Changes and Updates
10/23/19	B1327	Olam West Coast Inc	Gilroy	Failure to Meet Permit Conditions
11/14/19	A9111	Gavilan College	Gilroy	GDF Standard Phase I CARB Certified Requirement
12/03/19	V8265	The Garlic Farm Center	Gilroy	GDF Phase I Equipment Not Maintained
12/03/19	V8265	The Garlic Farm Center	Gilroy	Phase I vapor recovery equipment shall be both leak free and vapor tight
12/03/19	V8265	The Garlic Farm Center	Gilroy	All Phase II vapor recovery equipment shall be both leak free and vapor tight
10/01/19	Z6923	SFD	Los Altos	Asbestos; Written Plan or Notification
10/25/19	A9013	International Disposal Corp of CA	Milpitas	Landfill Emission Control System Requirement
11/06/19	A9013	International Disposal Corp of CA	Milpitas	Landfill Emission Control System Requirement
11/06/19	A9013	International Disposal Corp of CA	Milpitas	Landfill Emission Control System Requirement
10/02/19	Z7135	Dave's Body Shop	Mountain View	Motor Vehicle and Mobile Equipment Coating Operations Record Keeping Requirements
12/02/19	Z7052	Community School of Music and Arts	Mountain View	Asbestos; Schedule Changes and Updates
12/11/19	Z7080	SFD	Mountain View	Asbestos; Schedule Changes and Updates
10/31/19	A9717	Triad Tool and Engineering Inc	San Jose	Surface Prep and Coating of Plastic Parts and Products Limit
11/04/19	A0651	Granite Rock Company	San Jose	No Authority to Construct
11/04/19	A0651	Granite Rock Company	San Jose	No Permit to Operate
11/04/19	A0651	Granite Rock Company	San Jose	No Authority to Construct
11/04/19	A0651	Granite Rock Company	San Jose	No Permit to Operate
11/05/19	A0778	San Jose-Santa Clara Regional Wastewater Facility	San Jose	No Authority to Construct
11/05/19	A0778	San Jose-Santa Clara Regional Wastewater Facility	San Jose	No Permit to Operate
11/27/19	A8454	Shell Oil Company	San Jose	GDF Phase I Equipment Not Maintained
12/11/19	A4175	City of San Jose (Singleton Road Landfill)	San Jose	Failure to Meet Permit Conditions
12/13/19	Z7142	Checkers Auto & Gas	San Jose	Failure to Meet Permit Conditions
12/17/19	B7731	The Home Depot (Store #6621)	San Jose	Failure to Meet Permit Conditions
12/17/19	B7731	The Home Depot (Store #6621)	San Jose	Failure to Meet Permit Conditions
10/09/19	A3464	City of Santa Clara	Santa Clara	Landfill Emission Control System Requirement
10/29/19	A3259	CEMEX Construction Materials Pacific, LLC	Santa Clara	Failure to Meet Permit Conditions
11/14/19	A5079	S J Valley Plating Inc	Santa Clara	Standards for New Stationary Sources
11/14/19	A5079	S J Valley Plating Inc	Santa Clara	No Authority to Construct
11/14/19	A5079	S J Valley Plating Inc	Santa Clara	No Permit to Operate
10/07/19	Z6798	SFD	Saratoga	Prohibition of Fires: No Ignition
10/07/19	Z6798	SFD	Saratoga	Prohibition of Fires: No
10/24/19	B0861	Northrop Grumman Systems Corporation	Sunnyvale	Failure to Meet Permit Conditions
<b>Solano County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
10/24/19	B2626	Valero Refining Company - California	Benicia	Not Gas Tight
10/24/19	B2626	Valero Refining Company - California	Benicia	Not Gas Tight
10/24/19	B2626	Valero Refining Company - California	Benicia	Parametric Monitoring and Recordkeeping Procedures
10/24/19	B2626	Valero Refining Company - California	Benicia	Not Gas Tight
10/24/19	B2626	Valero Refining Company - California	Benicia	Emission Limitations for Sulfur Recovery Plants
10/24/19	B2626	Valero Refining Company - California	Benicia	Continuous Emission Monitoring and Recordkeeping
10/24/19	B2626	Valero Refining Company - California	Benicia	Continuous Emission Monitoring and Recordkeeping

**These facilities have received one or more Notices of Violations  
Report period: October 1, 2019 – December 31, 2019 (continued)**

<b>Solano County (Continued)</b>				
<b>Status</b>				
<b>Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
10/24/19	B2626	Valero Refining Company - California	Benicia	Non-Compliance; Major Facility Review
12/05/19	B2626	Valero Refining Company - California	Benicia	Non-Compliance; Major Facility Review
12/05/19	B2626	Valero Refining Company - California	Benicia	Non-Compliance; Major Facility Review
12/05/19	B2626	Valero Refining Company - California	Benicia	Non-Compliance; Major Facility Review
12/05/19	B2626	Valero Refining Company - California	Benicia	Non-Compliance; Major Facility Review
12/12/19	A1995	Solano County Facilities Operations	Fairfield	Failure to Meet Permit Conditions
12/12/19	A1995	Solano County Facilities Operations	Fairfield	Emission Limits - Spark-Ignited Engines Powered by Fossil Derived Fuels
12/12/19	A1995	Solano County Facilities Operations	Fairfield	Failure to Meet Permit Conditions
10/31/19	Z6920	School	Vallejo	Asbestos; Schedule Changes and Updates
12/30/19	E2817	Safeway Inc #1631	Vallejo	Emergency Standby Engines, Hours of Operation - No Exceedance of 50hrs In Calendar Year
<b>Sonoma County</b>				
<b>Status</b>				
<b>Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
12/04/19	Z5986	Point Pacific Drilling	Petaluma	Asbestos; Schedule Changes and Updates
11/06/19	Z7001	East Cotati Shell	Rohnert Park	GDF Phase II Equipment Not Maintained
11/06/19	Z7001	East Cotati Shell	Rohnert Park	GDF Standard Phase II Requirements of CARB certified and manufacturer's specification
11/12/19	B2435	ExxonMobil Oil Corporation	Santa Rosa	Failure to Meet Permit Conditions
11/15/19	E1112	Alluxa, Inc	Santa Rosa	Failure to Meet Permit Conditions
11/21/19	A1403	Santa Rosa Water - Laguna Treatment Plant	Santa Rosa	Non-Compliance; Major Facility Review
11/25/19	B9231	City of Santa Rosa	Santa Rosa	Failure to Meet Permit Conditions
11/26/19	A6198	Lou Saare Body Shop	Santa Rosa	No Permit to Operate
12/09/19	Z7138	Flamingo 76	Santa Rosa	No Authority to Construct
12/09/19	Z7138	Flamingo 76	Santa Rosa	No Permit to Operate
10/24/19	Z6911	Sonoma 76	Sonoma	GDF Standard Phase II CARB Certified Requirement
10/16/19	B3223	The Home Depot #6667	Windsor	Failure to Meet Permit Conditions

**Closed Notice of Violations with Penalties by County  
October 1, 2019 – December 31, 2019**

**Alameda**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOV<sub>s</sub></b>
Air-Sea Containers, Inc.	E4287	Oakland	\$1,500	2
Allison Armstrong	Z6664	Oakland	\$500	1
ASCO Motors	W7340	Fremont	\$250	1
Baran Studio Architecture	Z6590	Oakland	\$750	1
Bay Area Concrete Recycling, LLC	E4190	Hayward	\$3,000	2
BSI Services and Solutions (West), Inc.	Z7103	Alameda	\$500	1
C A R Service	Z7025	Oakland	\$500	1
Carol Clemons	Z6222	Oakland	\$100	1
Children's Hospital, Oakland	A1785	Oakland	\$24,600	3
Foothill Chevron	Z4944	Hayward	\$2,000	1
Grimmer Gas	Y3926	Fremont	\$1,000	2
Hayward Area RPD	V3600	Hayward	\$125	1
Hayward Wastewater Treatment Plant	A1009	Hayward	\$3,000	1
Homeowner	Z6034	Oakland	\$125	1
Impact Demo & Hauling	Z6285	Alameda	\$500	1
Jonathan Fearn	Z6201	Oakland	\$100	1
King Construction	Z6898	Berkeley	\$500	1
Lawrence Livermore National Laboratory	A0255	Livermore	\$250	1
Mario Estell	Z6406	Oakland	\$100	1
Modern Coffee Enterprises, Inc.	B2741	Emeryville	\$1,000	1
Morgenroth Development	Z6559	Pleasanton	\$500	1
P. W. Stephens Environmental, Inc.	Z6465	Fremont	\$15,000	2
Pacific Galvanizing	A0456	Oakland	\$7,500	1
Shefer Builder, Inc.	Z6326	Fremont	\$3,000	2
Shivjoti Rani	Z6083	Oakland	\$500	1
Union Pacific Railroad	W4270	Oakland	\$2,000	1

**Total  
Violations 33  
Closed:**

**Closed Notice of Violations with Penalties by County  
October 1, 2019 – December 31, 2019 (continued)**

**Contra Costa**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOV<sub>s</sub></b>
510 Builders	Z6235	Pinole	\$500	1
AAK USA Richmond Corp	A0927	Richmond	\$5,000	1
BNSF Railway Company	B4704	Richmond	\$500	1
City Of Concord	Z6649	Concord	\$500	1
Contra Costa County Fire District	B9569	Pittsburg	\$750	2
Five Star Gas & Groceries	Z6260	Martinez	\$750	2
Gasco	Z6815	Concord	\$1,500	1
Golden Choice Homes, LLC	Z6370	Oakley	\$500	1
Independent Construction Co.	Z6581	Concord	\$2,500	1
IT Environmental Liquidating Trust, Vine Hill	A0209	Martinez	\$500	1
John Muir Health - Concord Campus	A1753	Concord	\$4,000	2
Mt. Diablo Unified School District	Z2866	Concord	\$2,500	1
Nahel Tleimat	Z6855	Martinez	\$750	1
Oak Grove Shell	Z5921	Concord	\$750	1
Right Away Redy Mix	B0639	Martinez	\$500	1
Safe Engineering	Z5836	Oakley	\$4,000	3
TransMontaigne Operating LP	A7034	Martinez	\$20,000	2
TRC	B2967	Antioch	\$5,250	1
Wang Jin	Z6534	Concord	\$250	1
William Lyon Homes, Inc.	Z4497	San Ramon	\$25,000	1

**Total  
Violations 26  
Closed:**

**Marin**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOV<sub>s</sub></b>
Bridgeway Gas	Z5527	Sausalito	\$1,000	2
Peacock Gap Holdings, LLC	Z5761	San Rafael	\$2,500	1

**Total  
Violations 3  
Closed:**

**Closed Notice of Violations with Penalties by County  
October 1, 2019 – December 31, 2019 (continued)**

**Napa**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOVs</b>
Beaulieu Garden	Z6160	Saint Helena	\$500	2
SFD	W5394	Calistoga	\$400	1
The Caves At Soda Canyon	Z5820	Napa	\$750	2
<b>Total Violations Closed:</b>				<b>5</b>

**San Francisco**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOVs</b>
Central Concrete Supply, Inc.	B2124	San Francisco	\$9,000	7
City & County of S.F.	H2224	San Francisco	\$1,000	1
Gregory Loughran Construction	Z6423	San Francisco	\$500	1
Hines	Z6443	San Francisco	\$500	1
San Francisco, City & County, PUC	Y8816	San Francisco	\$9,000	1
SF State University, Corp Yard	A9618	San Francisco	\$3,000	3
USCG	S4406	San Francisco	\$2,000	1
<b>Total Violations Closed:</b>				<b>15</b>

**San Mateo**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOVs</b>
Andy's BP Inc.	Z6597	South San Francisco	\$750	1
ARCO Facility #02090	Z6567	Daly City	\$500	1
Cumaica Coffee	B1903	South San Francisco	\$1,000	1
Gas & Shop/Andy's BP, Inc.	Z4864	South San Francisco	\$2,000	1
San Mateo Auto Services	Y4157	San Mateo	\$2,500	2
San Mateo Beacon	Z5600	San Mateo	\$750	2
Seton Medical Center	A1000	Daly City	\$29,000	4
Visa USA Inc	B6059	Foster City	\$2,500	1
<b>Total Violations Closed:</b>				<b>13</b>

**Closed Notice of Violations with Penalties by County  
October 1, 2019 – December 31, 2019 (continued)**

**Santa Clara**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOV<sub>s</sub></b>
Central Concrete Supply Company	B0969	San Jose	\$500	1
City of Sunnyvale	E3575	Sunnyvale	\$500	1
Clean Harbors San Jose, LLC	B1925	San Jose	\$15,000	2
Easy Mart 11	Z5738	San Jose	\$2,500	1
Lockheed Martin Corporation	A0055	Sunnyvale	\$1,000	1
Monkey Shine Car Wash	Z6335	Campbell	\$500	1
Owens Corning Insulating Systems, LLC	A0041	Santa Clara	\$23,000	3
Rebuild Green	V0408	Palo Alto	\$500	1
San Jose-Santa Clara Regional Wastewater Facility	A0778	San Jose	\$3,000	4
Shoreline Amphitheatre	A2561	Mountain View	\$35,000	8
SV Demolition	X3767	San Jose	\$2,500	1
TZ Construction	Z6359	Saratoga	\$500	1
Vivid Inc	B1467	Santa Clara	\$1,000	1
Zero Waste Energy Development Company, LLC	E1277	San Jose	\$21,000	12

**Total  
Violations 38  
Closed:**

**Solano**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOV<sub>s</sub></b>
Arco	Z5059	Fairfield	\$1,000	1
Cal Inc.	S6066	Vacaville	\$500	2
Chevron, Vallejo Fuels, Inc.	Y3047	Vallejo	\$1,000	1
Fairfield-Suisun Sewer District	A1404	Fairfield	\$1,000	1
Paradise Valley Golf Course	Z6013	Fairfield	\$750	2
Tennessee Gas & Mart	Z6899	Vallejo	\$250	1

**Total  
Violations 8  
Closed:**



**Closed Notice of Violations with Penalties by County  
October 1, 2019 – December 31, 2019 (continued)**

**Sonoma**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOVs</b>
CA State Parks Maintenance	T6526	Petaluma	\$1,000	1
Daniel O Davis, Inc.	F6985	Santa Rosa	\$1,250	3
Lagunitas Brewing Company	E2457	Petaluma	\$9,500	2
Nardsons Enterprises Inc	Z6801	Petaluma	\$5,000	1
Sonoma Developmental Center	A1941	Eldridge	\$56,100	10

**Total  
Violations 17  
Closed:**

**District Wide**

<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty</b>	<b># of NOVs</b>
CVE Demolition INC	Z4395	Fresno	\$500	1
Disaster Klean Up Specialist	Y7256	Seaside	\$500	1
Kinley Construction Group	Z6663	Arlington	\$500	1
Meza ENV, Inc.	Z6615	Stockton	\$750	2
Monterey Environmental Solutions & Services	Z6254	Monterey	\$250	1
PALS Inc.	Z6651	Stockton	\$2,500	1
Riverbank Interiors	J1131	Riverbank	\$250	1

**Total  
Violations 8  
Closed:**

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Authorization to Execute a Contract to Fund Improvements to Estimates of Air  
Pollution Emissions from Residential Wood Burning in the San Francisco Bay Area

**RECOMMENDED ACTION**

Recommend the Board of Directors:

Authorize the Executive Officer/APCO to execute a contract with Baseline Environmental Consulting, not to exceed \$160,000, to develop and evaluate new and more accurate methods for generating emissions estimates and high-resolution air pollution maps of residential wood burning in the San Francisco Bay Area.

**BACKGROUND**

Residential wood smoke is a major component of fine particulate matter (PM<sub>2.5</sub>) in the Bay Area, especially on winter days when exceedances of the federal 24-hr PM<sub>2.5</sub> standard are most likely. In recent emission estimates, wood burning on winter days accounts for 30% of the Air District's PM<sub>2.5</sub> emissions inventory.

Residential wood burning has been previously examined in the Bay Area, most notably through a series of telephone surveys conducted from 2004 to 2018. These surveys were designed to gather detailed information on wood burning devices and behaviors in the Bay Area to develop reliable estimates of wood burning activity in the nine Air District counties. Survey results were used by Air District staff to estimate wood burning emissions at the ZIP code level. To further refine estimates of wood burning, Air District staff used a "carbon-dating" measurement method to differentiate fossil-fuel carbon particles from wood-burning carbon particles.

Despite these efforts, there remain large uncertainties in wood burning device populations, device types (such as fireplaces, woodstoves with U.S. Environmental Protection Agency certification that meet New Source Performance Standards, and woodstoves without certification), wood consumption rates, and the impact of woodsmoke control programs. These uncertainties impact estimates of wood burning emissions. For example, the Air District's estimate of the Bay Area's annual average PM<sub>2.5</sub> emissions from wood burning in 2016 is 9.8 tons per day (tpd), 30% higher than the 7.5 tpd estimated by the California Air Resources Board (CARB). Significant differences also exist between the Air District and CARB apportionments of emissions by county, month, and

device type. In addition, CARB’s estimates of annual average PM<sub>2.5</sub> emissions from woodsmoke for the Sacramento (4.7 tpd) and San Joaquin Valley (2.8 tpd) air districts are significantly lower than their estimates for the Bay Area (7.5 tpd). These emissions differences likely reflect methodological differences and motivate our interest in ensuring our current methods are accurate and reflective of the Bay Area’s ongoing wood smoke control programs.

This contract would update previous studies and reduce uncertainties in the Air District’s wood burning emissions estimates by developing improved methods and datasets for characterizing where, when, and how much wood is burned in the Bay Area, in part through refined accounting of wood burning device populations and wood consumption, by location, season, time of day, and in total. Contract results will be used to support both regional-scale modeling of PM<sub>2.5</sub> concentrations throughout the Bay Area, as well as local-scale air quality modeling in selected communities. Local-scale modeling will support analyses related to Assembly Bill (AB) 617, which requires air agencies to identify communities most impacted by air pollution and reduce disparities in exposures and health risks.

The Air District prepared a Request for Proposals (RFP) to develop and evaluate new and more accurate methods for generating emissions estimates and high-resolution air pollution maps of residential wood burning in the Bay Area. Three consulting companies - Ramboll US Corporation, Baseline Environmental Consulting, and SC&A, Inc., responded to the RFP. Ten interdivisional Air District staff members evaluated and scored the proposals, based on explicit evaluation criteria provided by the Air District’s Contracts Office. As shown in the table below, through this evaluation process, Baseline Environmental Consulting received the highest score and is recommended by Air District staff to be the contractor for this work.

<b>Consultant</b>	<b>Expertise</b>	<b>Skill</b>	<b>Approach</b>	<b>Cost</b>	<b>Firm's Focus Area</b>	<b>Total /100 pts</b>
Baseline Environmental Consulting	20.5	21.0	33.7	3.7	4.3	83.2
Ramboll US Corporation	20.3	16.3	29.3	4.3	4.3	74.7
SC&A, Inc.	19.3	19.0	30.1	4.0	2.0	74.3

Baseline Environmental Consulting is a local firm, based in Emeryville, CA. They are actively engaged in air quality work and familiar with the region’s air quality issues, meteorology, and emissions. They have in-house staff expertise needed to perform the proposed work at competitive hourly rates. One of the team members has prior experience conducting mobile sampling to evaluate woodsmoke emissions. For this project, Baseline has partnered with True North Research, the firm that has conducted surveys for the Air District’s wood smoke program for over 15 years. As Baseline is headquartered in the Bay Area, frequent face-to-face meetings can be easily organized to facilitate project monitoring.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None; funds for this contract (\$160,000) were included in the fiscal year ending (FYE) 2020 budget.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Saffet Tanrikulu and Phil Martien

Reviewed by: Greg Nudd

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Report of the Personnel Committee Meeting of February 5, 2020

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RECOMMENDED ACTION:

The Personnel Committee (Committee) received only informational items and may have recommendations of approval by the Board of Directors.

BACKGROUND

The Committee met on Wednesday, February 5, 2020, in Closed Session, regarding Public Employee Performance Evaluations of the Executive Officer and District Counsel, and may have reportable action.

There are no staff reports for the Closed Session items.

Chairperson Jim Spring will provide an oral report of the Committee meeting.

BUDGET CONSIDERATION/FINANCIAL IMPACTS:

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Justine Buenaflo  
Reviewed by: Vanessa Johnson

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: Update on Advancing Racial Equity at the Air District

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**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

The Air District established the Office of Diversity, Equity & Inclusion (DE&I) in 2017, reflecting the Air District's leadership and commitment to improve public health outcomes, economic opportunities, and environmental injustices in communities disproportionately impacted by air pollution.

The Office of DE&I's strategy seeks to build internal capacity through training of staff in racial equity content and advancing equity in the development of programs and policies. Elements of the strategy focused on four functional areas over the past two years; the Government Alliance on Race and Equity internal program, human resource strategies, strategic planning, and cultural awareness communications and activities. The strategy seeks to embed equity initiatives internally and externally, while also meeting the Air District's commitment to recruit and retain a diverse, highly-skilled workforce and to build an inclusive, supportive culture.

The work of the Air District requires diverse perspectives, talents, and life experiences to solve some of the most complex technical air quality issues that we face. Diversity and inclusion help us to attract and retain an extraordinary workforce and to fully engage and utilize the talents and backgrounds of our employees and the communities we serve. Our commitment to these values allows us to create and maintain a work environment that is professionally supportive, intellectually stimulating, fully respectful of diverse ideas, and makes the engagement with our stakeholders richer, more complete, and more transparent.

The overwhelming consensus of the Air District's Board of Directors, and leadership of the agency, has been that racial equity is a key component of our work. Government has a role to play in working alongside our most impacted communities to overcome barriers to opportunities in employment, housing, transportation, healthcare, and the air we breathe.

## DISCUSSION

The Air District is a recognized leader in California, addressing the environmental justice impacts of air pollution, and is committed to improving public health outcomes throughout the region. Air District staff work closely with the California Air Resources Board (CARB), other local air districts, community groups, community members, environmental organizations, regulated industries, and other key stakeholders to implement Assembly Bill (AB) 617, the Community Health Protection Program.

AB 617 directs the state, in consultation with local air districts, to select communities that have a high cumulative exposure burden to air pollution. Once selected, these communities lead the development of community emission reduction programs and/or air quality monitoring campaigns, with local air districts providing technical, administrative, and logistical support. This collaborative approach employs proven and innovative strategies to reduce exposure to air pollutants in neighborhoods most adversely impacted by air pollution.

The Air District's grants and incentives programs, administered through the Technology Implementation Office (TIO) and the Strategic Incentives Division, employ strategies to reduce air pollution in areas identified as disproportionately impacted.

The TIO was established in 2017 to advance emerging, cost-effective technologies to reduce greenhouse gas emissions in the Bay Area that are also replicable in other regions. The TIO's programs utilize partnerships and incentives (grants and loans) for climate technologies, including zero emissions electric vehicles (EVs) and infrastructure, energy storage, and other technologies relevant for industrial facilities. Elements of the TIO programs include:

- Charge! – grants for installing publicly available charging infrastructure
- Clean Cars for All – incentives for low-income residents to turn in an older vehicle and purchase or lease a clean vehicle or get a transportation card
- Clean Fleets – grants for Bay Area light-duty fleets to adopt electric vehicles

The Strategic Incentives Division (SID) administers grant and incentive programs that offer funding to public agencies, private companies and fleet owners, and Bay Area residents to help offset a portion of the cost to implement eligible emissions reduction projects, such as the replacement of older diesel equipment with new trucks and buses, marine vessels, locomotives, cargo handling and airport ground support equipment, agriculture equipment, and trip reduction projects that provide first- and last-mile connections to mass transit and create new bike parking and bike/ped paths, to expand Bay Area residents' and commuters' access to alternative travel modes. In addition, SID has administered, on a limited geographical basis, other programs that target local emissions reductions from wood-burning devices and lawn and garden equipment. Many of these programs include an equity focus, e.g., the woodsmoke reduction incentive program has historically included a provision to provide higher levels of funding for applicants enrolled in a qualifying low-income assistance program.

In calendar year 2019, the Air District awarded approximately \$73 million in funding to eligible projects from more than ten funding sources in which revenue accumulates annually, via local fees, bond sales, and Cap-and-Trade auction proceeds that are distributed to the Air District. Nearly 60% of funding awarded in 2019 was awarded to projects in communities disproportionately impacted by air pollution. In 2020, approximately \$100 million is projected to be available for award to eligible projects, and the Air District will continue to prioritize funding on projects that maximize benefits in communities that have higher rates of air pollution.

As part of this agenda item, staff will provide an overview of the Office of DE&I's pillar framework, which includes workforce development, community health, public investment, and operations.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Mary Ann Okpalaugo, Derrick Tang, Karen Schkolnick, and Chengfeng Wang  
Reviewed by: Greg Nudd



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Rod Sinks and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 11, 2020

Re: The State Air Resource Board's Environmental Justice Work

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RECOMMENDED ACTION

None; receive and file.

DISCUSSION

Veronica Eady, Assistant Executive Officer of the California Air Resources Board (CARB), will provide a presentation on the State Board's environmental justice work.

Ms. Eady serves as the primary internal and external contact for CARB on environmental justice matters and concerns. She is responsible for providing policy consultation and recommendations to CARB staff and has been instrumental in the development and implementation of all major CARB programs, ensuring that environmental justice and tribal concerns are considered in the Agency's work.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Rex Sanders