



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

BOARD OF DIRECTORS  
SPECIAL MEETING  
November 19, 2018

A special meeting of the Bay Area Air Quality Management District Board of Directors will be held at 10:00 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 10:00 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 two 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 SPECIAL MEETING AGENDA

MONDAY  
NOVEMBER 19, 2018  
10:00 A.M.

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

## CALL TO ORDER

Chairperson, David Hudson

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.*

## CONSENT CALENDAR (ITEMS 3-11)

Staff/Phone (415) 749-

3. Minutes of the Regular Board of Directors Meeting of November 7, 2018  
Clerk of the Boards/5073

*The Board of Directors will consider approving the draft minutes of the Board of Directors Regular Meeting of November 7, 2018.*

4. Board Communications Received from November 7, 2018 through November 18, 2018  
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 October 17, 2018 through November 18, 2018, if any, will be at each Board Member's place.*

5. Quarterly Report of California Air Resources Board Representative – Honorable John Gioia  
J. Broadbent/5052  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

6. Quarterly Report of the Executive Office and Division Activities for the Months of July 2018 – September 2018

**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 July 2018 – September 2018.*

7. Air District Personnel on Out-of-State Business Travel

**J. Broadbent/5052**

[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*In accordance with Section 5.4 (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 month.*

8. Authorization to Execute a Contract for Agricultural Waste Chipping in Lieu of Open Burning

**J. Broadbent/5052**

[jbroadbent@baamqd.gov](mailto:jbroadbent@baamqd.gov)

*The Board of Directors will consider authorizing the Executive Officer/APCO to execute a contract in an amount not to exceed \$150,000 for the purpose of Agricultural Waste Chipping to reduce open burning and its associated particulate matter emissions.*

9. Notices of Violations Issued and Settlements in Excess of \$10,000 in the month of October 2018

**J. Broadbent/5052**

[jbroadbent@baamqd.gov](mailto:jbroadbent@baamqd.gov)

*In accordance with Resolution No. 212-08, 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 October 2018.*

10. Set a Public Hearing for December 19, 2018 to Consider Adoption of Proposed Assembly Bill (AB) 617 Expedited Best Available Retrofit Control Technology (BARCT) Implementation Schedule, and the Certification of a Final Environmental Impact Report (EIR) Pursuant to the California Environmental Quality Act (CEQA)

**J. Broadbent/5052**

[jbroadbent@baamqd.gov](mailto:jbroadbent@baamqd.gov)

*At the December 19, 2018 meeting, the Board of Directors will consider adoption of proposed AB 617 Expedited Best Available Retrofit Control Technology (BARCT) Implementation Schedule, and the certification of a Final Environmental Impact Report pursuant to the California Environmental Quality Act (CEQA). The Expedited BARCT Implementation Schedule includes potential rule development projects for reducing criteria pollutant emissions at industrial Cap-and-Trade facilities.*

11. Set a Public Hearing for December 19, 2018 to Consider Adoption of Amendments to Three Regulations Impacting Refineries: Amendments to Regulation 6, Rule 5: Particulate Matter from Refinery Fluid Catalytic Cracking Units; Amendments to Regulation 11, Rule 10: Hexavalent Chromium Emissions from All Cooling Towers and Total Hydrocarbon Emissions from Petroleum Refinery Cooling Towers; Amendments to Regulation 12, Rule 15: Petroleum Refining Emissions Tracking; and Certification of a Final Environmental Impact Report Pursuant to the California Environmental Quality Act (CEQA)

**J. Broadbent/5052**

[jbroadbent@baamqd.gov](mailto:jbroadbent@baamqd.gov)

*Amendments to three Refinery rules clarify exemptions, definitions, and requirements for specific sections of all three rules. Amendments to Rule 6-5 are simply clarifications of original intent. Amendments to Rule 11-10 reduce monitoring of cooling towers for hydrocarbon leaks from daily to weekly, with provisions to extend monitoring periods after proving no leaks for an extended time. Costs for daily monitoring were found to be excessive relative to the potential hydrocarbon emission reductions. Requirements for cooling tower best management practices and reporting were eliminated when found to be focused primarily on Process Safety Management and cooling water chemistry rather than leak detection. Amendments to Rule 12-15 established thresholds for reporting requirements for non-crude oil feedstock imports, and processes for handling and securing confidential information were clarified.*

## **COMMITTEE REPORTS**

12. Report of the **Executive Committee** Meeting of November 19, 2018

**CHAIR: D. Hudson**

**J. Broadbent/5052**

[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Committee will receive the following reports:*

**A) Hearing Board Quarterly Report: July – September 2018**

*1) None; receive and file.*

**B) Bay Area Regional Collaborative (BARC) Update**

*1) None; receive and file.*

**C) Update on Production System Office and Authorization to Execute Contract Amendments for Production System Office**

*1) Recommend Board of Directors authorize the Executive Officer/APCO to execute contract amendments with the following vendors in the amounts listed in Table 1.*

**D) Update on Air District Implementation of Assembly Bill 617 (AB 617)**

*1) None; receive and file.*

## **E) Committee Chair Reports on Board of Directors Meeting Agendas**

*1) Provide direction to staff regarding placement of Committee Chair Reports on Board of Directors Meeting Agendas.*

For the full Committee agenda packet and materials, click on the link below:

[www.baaqmd.gov/bodagendas](http://www.baaqmd.gov/bodagendas)

## **PRESENTATION**

### **13. Update on Canadian Oil Sands Crude**

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

*Staff and guests will provide the Board of Directors with background on Canadian Oil Sands crude; local concerns regarding oil sands crude use and a recap on total Canadian crude oil use at Bay Area Refineries.*

## **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, December 19, 2018, 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, CALIFORNIA 94105  
FOR QUESTIONS PLEASE CALL (415) 749-4941**

**EXECUTIVE OFFICE:  
MONTHLY CALENDAR OF AIR DISTRICT MEETINGS**

**NOVEMBER 2018**

<b>TYPE OF MEETING</b>	<b>DAY</b>	<b>DATE</b>	<b>TIME</b>	<b>ROOM</b>
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of every other Month)</i> - CANCELLED	Monday	19	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Nominating Committee</b> <i>(At the Call of the Chair)</i> - CANCELLED AND RESCHEDULED TO WEDNESDAY, NOVEMBER 7, 2018	Monday	19	9:00 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Executive Committee</b> <i>(At the Call of the Chair)</i>	Monday	19	9:00 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Special Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Monday	19	10:00 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> - CANCELLED	Wednesday	21	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i> - CANCELLED	Thursday	22	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i> -CANCELLED	Wednesday	28	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109



## DECEMBER 2018

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i> - CANCELLED	Wednesday	5	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Monday	17	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	19	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i> - CANCELLED	Wednesday	26	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i> - CANCELLED AND RESCHEDULED TO MONDAY, DECEMBER 17, 2018 AT 9:30 A.M.	Thursday	27	9:30 a.m.	1 <sup>st</sup> Floor Board Room

## JANUARY 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
<b>Board of Directors Regular Meeting</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	2	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Special Meeting/Retreat</b> <i>(Meets on the 1<sup>st</sup> &amp; 3<sup>rd</sup> Wednesday of each Month)</i>	Wednesday	16	9:30 a.m.	TBD
<b>Board of Directors Climate Protection Committee</b> <i>(Meets on the 3<sup>rd</sup> Thursday of every other Month)</i>	Thursday	17	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Stationary Source Committee</b> <i>(Meets on the 3<sup>rd</sup> Monday of every other Month)</i>	Monday	21	9:30 a.m.	1 <sup>st</sup> Floor Board Room
<b>Board of Directors Budget &amp; Finance Committee</b> <i>(Meets on the 4<sup>th</sup> Wednesday of each Month)</i>	Wednesday	23	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
<b>Board of Directors Mobile Source Committee</b> <i>(Meets on the 4<sup>th</sup> Thursday of each Month)</i>	Thursday	24	9:30 a.m.	1 <sup>st</sup> Floor Board Room
AD – 11/15/18 – 4:00 p.m.				G/Board/Executive Office/Moncal

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 8, 2018

Re: Minutes of the Board of Directors Regular Meeting of November 7, 2018

RECOMMENDED ACTION

Approve the attached draft minutes of the Board of Directors Regular Meeting of November 7, 2018.

DISCUSSION

Attached for your review and approval are the draft minutes of the Board of Directors Regular Meeting of November 7, 2018.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Vanessa Johnson

Attachment 3A: Draft Minutes of the Board of Directors Regular Meeting of October 17, 2018

## AGENDA 3A – ATTACHMENT

Draft Minutes - Board of Directors Regular Meeting of November 7, 2018

Bay Area Air Quality Management District  
375 Beale Street, Suite 600, San Francisco, CA 94105  
(415) 749-5073

Board of Directors Regular Meeting  
Wednesday, November 7, 2018

### **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, David Hudson, called the meeting to order at 9:32 a.m.

#### **Roll Call:**

Present: Chairperson David Hudson; Vice Chair Katie Rice; Secretary Rod Sinks; and Directors Margaret Abe-Koga, David Canepa, Cindy Chavez, John Gioia, Scott Haggerty, Tyrone Jue, Doug Kim, Liz Kniss, Rafael Mandelman, Karen Mitchoff, Mark Ross, Jim Spering, Brad Wagenknecht, and Shirlee Zane.

Absent: Directors Teresa Barrett, John J. Bauters, Pauline Russo Cutter, Carole Groom, Nate Miley, Hillary Ronen, and Pete Sanchez.

### **CONSENT CALENDAR (OUT OF ORDER, ITEMS 3 -7)**

2. Minutes of the Regular Board of Directors Meeting of October 17, 2018
3. Board Communications Received from October 17, 2018 through November 6, 2018
4. Authorization to Execute Purchase Orders in Excess of \$100,000 Pursuant to Administrative Code Division II Fiscal Policies and Procedures Section 4.3 Contract Limitations
5. Authorization to Execute Contract Amendments for Air District (District) History Display Project
6. Consider Approval of Hiring Recommendation at Step D of Salary Range 156M for the Legislative Officer Position

#### **Public Comments**

No requests received.

#### **Board Comments**

None.

Board Action

Director Haggerty made a motion, seconded by Director Canepa, to **approve** the Consent Calendar Items 3 through 7, inclusive; and the motion **carried** by the following vote of the Board:

AYES: Canepa, Gioia, Haggerty, Hudson, Kniss, Mitchoff, Rice, Sinks, Spring, Wagenknecht, and Zane.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Abe-Koga, Barrett, Bauters, Chavez, Cutter, Groom, Jue, Kim, Mandelman, Miley, Ronen, Ross, and Sanchez.

NOTED PRESENT: Director Jue was noted present at 9:34 a.m., and Director Ross was noted present at 9:35 a.m.

**COMMITTEE REPORTS**

7. Report of the **Public Engagement Committee** Meeting of October 19, 2018 (**ITEM 8**)

Public Engagement Committee Chair, Director Brad Wagenknecht, read the following Committee report:

*The Committee met on Friday, October 19, 2018 and approved the minutes of April 2, 2018.*

*The Committee reviewed and discussed the staff presentation Update on the 2018/2019 Winter Spare the Air Season Outreach Program.*

*The Committee also reviewed and discussed the staff presentation Bay Area Air Quality Management District History Display Tour, before visiting the 6<sup>th</sup> floor, to see the display.*

*The next meeting is at the call of the Chair. This concludes the Chair Report of the Public Engagement Committee.*

Public Comments

No requests received.

Board Comments

None.

Board Action

None; receive and file.

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

### **8. Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3 (ITEM 2)**

Public comments were given by Kushal Vepa, Denna Kwong, Gerald Chan, Lei Xia, Shengbo Xu, Xiang Wang, and Ding Luo. The speakers were all parents of students attending The Stratford School and E.M. Grimmer Elementary School in Fremont and gave further testimony that dust from Tri-City Rock, a building materials and landscaping supply company located adjacent to both schools, is impacting both campuses.

NOTED PRESENT: Director Kim at 9:38 a.m., and Director Abe-Koga was noted present at 9:47 a.m.

### **Board Comments**

The Board and staff discussed the Air District's current enforcement investigation of the facility; the reiteration that Director Haggerty and the Mayor of Fremont be present at any meeting with the parties conducted by the Air District; the Air District's current observation that the facility is not out of compliance of *existing* Air District regulations, but could be in violation of future regulations; and the fact that the City of Fremont and owners of the schools are partly responsible for allowing the construction to commence.

## **COMMITTEE REPORTS**

### **9. Report of the Mobile Source Committee Meeting of October 25, 2018 (ITEM 10)**

Mobile Source Committee Chair, Director Scott Haggerty, read the following Committee report:

*The Committee met on Thursday, October 25, 2018, and approved the minutes of September 27, 2018.*

*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 as shown in Attachment 1; and*
- 2. Authorize the Executive Officer/Air Pollution Control Officer 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 County Program Manager Fund Policies for Fiscal Year Ending 2020. The Committee recommends the Board:*

- 1. Approve the proposed Fiscal Year Ending 2020 Transportation Fund for Clean Air County Program Manager Fund Policies; and*
- 2. Approve a policy waiver to allow San Francisco County Transportation Agency to use Fiscal Year Ending 2019 Transportation Fund for Clean Air County Program Manager Funds for an electric vehicle charging station project.*

*The Committee then reviewed and discussed the staff presentation Electric Vehicle Infrastructure and Fleet Incentive Programs.*

*Finally, the Committee reviewed and discussed the staff presentation Update on National Highway Traffic Safety Administration and Environmental Protection Agency Proposed Safer Affordable Fuel-Efficient Vehicles Rule.*

*The next meeting of the Mobile Source Committee will be held on Monday, December 17, 2018, at 9:30 a.m., at the Bay Area Air Quality Management District office, 375 Beale Street, San Francisco, CA 94105. 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

None.

#### Board Action

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

AYES: Abe-Koga, Canepa, Gioia, Haggerty, Hudson, Jue, Kniss, Mitchoff, Rice, Ross, Sinks, Spering, Wagenknecht, and Zane.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Barrett, Bauters, Chavez, Cutter, Groom, Kim, Mandelman, Miley, Ronen, and Sanchez.

#### 10. Report of the **Advisory Council** Meeting of October 29, 2018 (**ITEM 11**)

Advisory Council Ex-Officio Board Liaison, Secretary Rod Sinks, read the following Committee report:

*The Council met on Monday, October 29, 2018 and approved the minutes of July 19, 2018.*

*The Council then received the staff presentation Assembly Bill 617: Community Health Protection Program.*

*The Council then received the staff presentation Update on the Air Sensor International Conference.*

*The Council then received the staff presentation Assembly Bill 617: Strategic Targets.*

*Finally, the Council was invited by staff to discuss and consider the Council's election of its Chairperson and Vice Chairperson. The four Council members that were present requested that the full Council discuss this item in detail at its next meeting.*

*The next meeting of the Council will be at the call of the Chair. This concludes the Chair Report of the Advisory Council.*

Public Comments

No requests received.

Board Comments

None.

Board Action

None; receive and file.

11. Report of the **Nominating Committee** Meeting of November 7, 2018 (**ITEM 12**)

2018 Nominating Committee member, Director Wagenknecht, read the following Committee report:

*The Committee met on Wednesday, November 7, 2018 and approved the minutes of November 15, 2017.*

*The Committee considered nomination of Board Officers for the 2019 Term of Office and recommends Katie Rice as Chairperson, Rod Sinks as Vice-Chairperson, and Cindy Chavez as Secretary.*

*I move that the Board of Directors approve recommendations of the Nominating Committee.*

Public Comments

No requests received.

Board Comments

The Board and staff discussed the ways in which staff alerted Board members about the opening of nominations for the 2019 Board Officer positions; whether geographical distribution of Board members, and city versus county jurisdiction should be included in the criteria by which candidates are considered; the suggestion for an ad-hoc subcommittee to help define and clarify the nomination and selection process; and staff's intention of bringing revised language of Section 6.8 of the District's Administrative Code to the Board for consideration, regarding the nomination and selection process.

NOTED PRESENT: Director Chavez was noted present at 10:13 a.m., and Director Mandelman was noted present at 10:15 a.m.

Board Action

Director Wagenknecht made a motion, seconded by Director Kniss, to **approve** the following 2019 Board Officers: Katie Rice as Chair, Rod Sinks as Vice Chair, and Cindy Chavez as Secretary; and the motion **carried** by the following vote of the Board:

AYES: Abe-Koga, Canepa, Gioia, Haggerty, Hudson, Jue, Kim, Kniss, Mandelman, Mitchoff, Rice, Sinks, Spering, Wagenknecht, and Zane.  
NOES: None.  
ABSTAIN: None.  
ABSENT: Barrett, Bauters, Chavez, Cutter, Groom, Miley, Ronen, Ross, and Sanchez.

12. Report of the **Technology Implementation Office Steering Committee** Meeting of October 22, 2018 (**ITEM 9**)

Technology Implementation Office Steering Committee Chair, Director Cindy Chavez, read the following Committee report:

*The Committee met on Monday, October 22, 2018, and approved the minutes of June 21, 2018.*

*The Committee reviewed and discussed the staff presentation Technology Implementation Office Steering Committee Composition.*

*The Committee then reviewed and discussed the staff presentation Technology Assessment and Outreach.*

*The Committee then reviewed and discussed the staff presentation Loan Program Agreement.*

*Finally, the Committee reviewed and discussed the staff presentation Electric Vehicle Infrastructure and Fleet Incentive Programs.*

*The next meeting of the Technology Implementation Office Steering Committee will be held at the call of the Chair. This concludes the Chair Report of the Technology Implementation Office Steering Committee.*

Public Comments

No requests received.

Board Comments

None.

Board Action

None; receive and file.



## **PRESENTATION**

### **13. ANNIVERSARY OF THE 2017 NORTHERN CALIFORNIA WILDFIRES AND UPDATE ON WILDFIRE PROGRAM DEVELOPMENT**

Directors Zane and Wagenknecht gave opening remarks, describing the wildfire events that occurred in their jurisdictions in Sonoma and Napa Counties, as well as lessons learned. Jack P. Broadbent, Executive Officer/Air Pollution Control Officer (APCO), introduced four staff members to give this presentation. Wayne Kino, Deputy APCO of Operations, Eric Stevenson, Director of Meteorology and Measurement, Dr. Judith Cutino, Health Officer, and Lisa Fasano, Communications Officer, gave the staff presentation *Anniversary of the 2017 Northern California Wildfires and Update on Wildfire Program Development*, including: overview; outline; 2017 North Bay Wildfires; Yolo County fire in June 2018; statewide fires on Sunday, July 19, 2018; summaries of daily average Particulate Matter (PM)<sub>2.5</sub> concentrations from those incidents; fires visible from space; wildfire smoke compared to ambient PM<sub>2.5</sub>; smoke health impacts; studies on health effects; improving understanding and communication; 2018 wildfire season; summer 2018 CalFire incidents; lessons learned; actions to date and example; and next steps.

#### **Public Comments**

No requests received.

#### **Board Comments**

The Board and staff discussed the lack of the rebuilding of damaged homes in certain areas of Sonoma County; the establishment of Sonoma County's Office of Recovery and Resiliency with a mandate to develop a post-fire recovery and resiliency plan; the level of effectiveness the Air District's health messages and methods of delivery; the estimated duration of smoke health impacts in the human body; how and when temporary air monitors are deployed during wildfire season and wildfire incidents; the fact that clean rooms in homes and commercial buildings depend on electricity, which is not reliable in emergency situations; the fact that any and all counties are at risk of wildfire damage; the need to educate the public on how wood smoke and PM affects human health, specifically touching on impacts that are not widely mentioned, such as cerebral effects; the need for clean air centers in civic buildings, and the suggestion that the Air District partners with state fire agencies and California Building Standards Commission code to enforce that need; the need to clearly define the roles of emergency response teams, as multiple agencies and organizations are involved in emergency situations; the need for the Board members to clearly understand the Air District's role and objectives so that the Board members can effectively and accurately communicate them to their jurisdictions; the suggestion of the creation of a health guidance document that focuses on wood smoke recommendations for residents, prior to the adoption of anticipated District regulation regarding wood smoke; the efficacy of the Association of Bay Area Public Health Officers, and ways to improve the circulation of information between County Public Health Officers; the need for forest-thinning to reduce wildfire risk; the suggestion that the Board creates a Health Care Services Committee; the Air District's anticipation of hosting a health conference; and the Air and Waste Management Association's Wildfires and Air Quality Conference, scheduled for February 14, 2019 in Santa Rosa, and the possibility of Director Zane hosting or giving a keynote address.

Board Action

None; receive and file.

**PUBLIC COMMENT ON NON-AGENDA MATTERS**

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

Public comments were given by Gerald Chan, resident of Fremont; and Tony Fisher, Coalition for Clean Air.

**BOARD MEMBERS' COMMENTS**

**15. Board Members' Comments**

- Vice Chair Rice announced that Marin County adopted an ordinance prohibiting the sale or offer for sale of flavored tobacco products and amending all existing Marin County Code Sections that define “Tobacco” or “Tobacco Product”.

**OTHER BUSINESS**

**16. Report of the Executive Officer/Air Pollution Control Officer**

Mr. Broadbent announced the following:

- Congratulations to Chair Hudson for being reelected to another four-year term on the San Ramon City Council.
- The District’s Winter Spare the Air season began on November 1, 2018, and public outreach is forthcoming.
- The District welcomes Alan Abbs, newly appointed Legislative Officer, and former Executive Director of the California Air Pollution Control Officers Association.
- Although Mr. Broadbent did not present the summary of ozone seasons, this presentation is posted on the District’s website.

**17. Chairperson’s Report**

Chair Hudson congratulated Directors Jue and Ross on their recent reappointments to the Board, and congratulated Directors Barrett, Cutter, and Mandelman for winning their November 6, 2018 elections. Chair Hudson added that Chairperson-Elect Rice will begin considering committee assignments for 2019 and that Board members who have not yet indicated their preferences must let Vanessa Johnson know by November 13, 2018.

18. **Time and Place of Next Meeting**

**Monday**, November 19, 2018, at 375 Beale Street, San Francisco, CA 94105 at **10:00 a.m.**

19. **Adjournment**

The meeting adjourned at 12:08 p.m.

Marcy Hiratzka  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 8, 2018

Re: Board Communications Received from November 7, 2018 through November 18,  
2018

---

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

Copies of communications directed to the Board of Directors received by the Air District from November 7, 2018, through November 18, 2018, if any, will be at each Board Member's place at the November 19, 2018, Board meeting.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman

Reviewed by: Vanessa Johnson



Mary D. Nichols, Chair  
 Matthew Rodriguez, CalEPA Secretary  
 Edmund G. Brown Jr., Governor

TO: Members of the Board of Directors  
 FROM: Supervisor John Gioia  
 Board Member  
 DATE: October 23, 2018  
 SUBJECT: **QUARTERLY REPORT OF MY ACTIVITIES AS AN AIR RESOURCES BOARD MEMBER**

---

The list below summarizes my activities as a California Air Resources Board member from July 1, 2018, through September 30, 2018:

#### July Activities

1<sup>st</sup> Meeting with Tesla re: LCFS  
 9<sup>th</sup> CARB AB 617/SNAPS Workshop  
 25<sup>th</sup> July Board Item Briefing with Staff  
 26<sup>th</sup> July Board Meeting

#### August Activities

27<sup>th</sup> Meeting with Union of Concerned Scientists re: Innovative Clean Transit  
 28<sup>th</sup> Meeting with California Transit Association re: Innovative Clean Transit  
 29<sup>th</sup> Meeting with the Cleaner Air Partnership re: AB 617  
 30<sup>th</sup> Meeting with Tesla re: LCFS  
 31<sup>st</sup> Meeting with Californians for Affordable and Reliable Energy re: Cap-and-Trade

#### September Activities

5<sup>th</sup> Meeting with SoCalGas re: AB 617, LCFS, and Cap-and-Trade  
 21<sup>st</sup> Meeting with NextGen Policy re: LCFS  
 21<sup>st</sup> September Staff Briefing  
 24<sup>th</sup> Meeting with CalETC re: Innovative Clean Transit  
 24<sup>th</sup> Meeting with SFMTA re: Innovative Clean Transit  
 26<sup>th</sup> Meeting with First Element Fuel re: LCFS  
 27<sup>th</sup> September Board Meeting Day 1  
 28<sup>th</sup> September Board Meeting Day 2

Attachments: Public Agendas

# July 2018 Board Meeting Agenda

---

Thursday, July 26, 2018 @ 9:00 a.m.

---

## **California Environmental Protection Agency**

1001 I Street, Sacramento, California 95814

Coastal Hearing Room, 2nd Floor

This meeting will also be **webcast**.

## **Submit written comments**

Not all agenda items are available for electronic submittals of written comments.

---

## Discussion Items

The following agenda items may be heard in a different order at the Board meeting.

18-6-5: Public Hearing to Consider Environmental Comments from John R. Lawson Rock & Oil, Inc. Regarding Board Item 18-4-3.

The Board will consider staff's responses to comments submitted by John R. Lawson Rock & Oil, Inc. at the May 25, 2018, Board hearing regarding Board Item 18-4-3, Proposed Amendments to the Heavy-Duty Vehicle Inspection Program and Periodic Smoke Inspection Program Regulation. The Board will also consider the amendments in light of those comments and whether additional Board action is necessary.

18-6-1: Public Meeting to Consider Proposed Guidelines for the Clean Cars 4 All and Enhanced Fleet Modernization (Car Scrap and Replace) Programs

The Board will consider proposed guidelines for the Clean Cars 4 All Program and proposed changes to the existing guidelines for the Enhanced Fleet Modernization Program (EFMP). Assembly Bill 630 (Cooper, Chapter 636, Statutes of 2017) directs CARB to finalize guidelines for Clean Cars 4 All and update the EFMP guidelines by January 1, 2019.

More Information

Staff Presentation

## 18-6-2: Public Meeting to Consider Senate Bill 350 Integrated Resource Planning Electricity Sector Greenhouse Gas Planning Targets

The Board will consider a proposed methodology for establishing the greenhouse gas (GHG) planning target ranges and specific proposed GHG planning target ranges for the electricity sector, load serving entities, and publicly owned utilities for use in Integrated Resource Plans pursuant to Senate Bill 350. The Board will also consider certifying the Final Environmental Analysis.

More Information

Staff Presentation

## 18-6-3: Public Meeting to Consider Cap-and-Trade Auction Proceeds: Funding Guidelines for Agencies that Administer California Climate Investments

Spanish translation will be provided at the Board Meeting for this item, Item 18-6-3.

The Board will consider updates to the “Funding Guidelines for Agencies Administering California Climate Investments.” These Guidelines apply to all projects funded by the Greenhouse Gas Reduction Fund (i.e., Cap-and-Trade auction proceeds). The proposed updates reflect statutory changes and include new or revised guidance for: program administration; quantification of greenhouse gas reductions and co-benefits; project tracking and reporting; maximizing benefits for disadvantaged communities; and guidance for targeting investments to disadvantaged communities, low-income communities, and low-income households.

More Information

Staff Presentation

## 18-6-4: Public Meeting to Hear an Informational Update On the Use of Satellite Remote Sensing Data to Support Air Quality Decision-Making

The Board will hear how satellite remote sensing data can estimate air quality levels. Staff will also present results from in-house and collaborative satellite studies that can be used to support air quality decision-making.

Staff Presentation

## 18-6-6: Public Meeting to Consider Board Members' Initial Staggered Terms

Assembly Bill 197 established six-year terms for the 14 voting members of the Board with the exception of "initial staggered terms," which the statute directed the Board to establish. The Board will consider the adoption of initial staggered terms with specified term expiration dates.

Staff Presentation

---

## Closed Session

The Board may hold a closed session, as authorized by Government Code section 11126(e), to confer with, and receive advice from, its legal counsel regarding the following pending or potential litigation, and as authorized by Government Code section 11126(a):

*American Fuels and Petrochemical Manufacturers, et al. v. Jane O’Keeffe, et al.*, U.S. District Court (D. Ore. Portland), Case No. 3:15-CV-00467; Plaintiffs’ appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 15-35834.

*California Air Resources Board v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 18-1085.

*Electric Power Supply Association, et al. v. Star, et al.*, U.S. Court of Appeals, Seventh Circuit, Case No. 17-2445.

*In re La Paloma Generating Company, LLC*, U.S. Bankruptcy Court, District of Delaware, Case No.16-bk-12700.



*Mexichem Fluor Inc. v. United States Environmental Protection Agency et al.*, U.S. Court of Appeals, District of Columbia Circuit, Case Nos. 15-1328 and 15-1329.

*POET, LLC, et al. v. California Air Resources Board, et al.*, Superior Court of California (Fresno County), Case No. 09CECG04659; plaintiffs' appeal, California Court of Appeal, Fifth District, Case No. F064045; California Supreme Court, Case No. S213394 [remanded to trial court]; plaintiff's appeal of trial court order discharging peremptory writ of mandate, Court of Appeal, Fifth District, Case No. F073340.

*POET, LLC, et al. v. California Air Resources Board, et al.*, Superior Court of California (Fresno County), Case No. 15CECG03380.

*Rocky Mountain Farmers Union, et al. v. Corey*, U.S. District Court (E.D. Cal. Fresno), Case No. 1:09-CV-02234-LJO-DLB; ARB interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 12-15131 [remanded to trial court].

*American Fuels and Petrochemical Manufacturers, et al. v. Corey, et al.*, U.S. District Court (E.D. Cal. Fresno), Case No. 1:10-CV-00163-AWI-GSA; ARB's interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 10-CV-00163 [remanded to trial court].

*Sowinski v. California Air Resources Board, et al.*, U.S. District Court, Central District of California, Case No. 8:15-CV-02123; Orange County Superior Court, Case No. 30-2018-00970852-CU-IP-CXC.

*State of California, et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 18-1114.

*State of California, et al. v. United States Bureau of Land Management, et al.*, U.S. District Court, Northern District of California Circuit, Case No. 3:17-cv-07186-WHO.

*State of New York, et al. v. United States Environmental Protection Agency*, U.S. District Court, District of Columbia, Case No. 1:18-cv-00773.

*State of North Dakota, et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 16-1242.

*State of North Dakota v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1381.

*State of West Virginia et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1363.

*State of Wyoming, et al. v. United States Department of the Interior, et al.*, U.S. District Court, District of Wyoming, Case No. 16-CV-285-SWS.

*The Two Hundred, et al. v. California Air Resources Board, et al.*, Superior Court of California (Fresno County), Case No. 18CECG01494.

*Truck Trailer Manufacturers Association, Inc. v. United States Environmental Protection Agency, et al.*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 16-1430.

*Valero Refining Co. California v. Hearing Board of the Bay Area Air Quality Management District et al.*, Court of Appeal, First Appellate District, Case No. A151004.

*Alliance for California Business v. California Air Resources Board, et al.*, Glenn County Superior Court, Case No. 13CV01232; plaintiffs' appeal, Court of Appeal, Third District, Case No. C082828.

*Alliance for California Business v. California State Transportation Agency, et al.*, Sacramento County Superior Court, Case No. 34-2016-80002491.

*American Coatings Association, Inc. v. State of California and California Air Resources Board*, Sacramento County Superior Court, Case No. 04CS01707.

*Jack Cody dba Cody Transport v. California Air Resources Board, et al.*, Sacramento Superior Court, Case No. 34-2015-80002116; plaintiff's appeal, Court of Appeal, Third District, Case No. C083083.

*Dalton Trucking, Inc. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 13-1283 (dismissed), U.S. Court of Appeals, Ninth Circuit, Case No. 13-74019.

*John R. Lawson Rock & Oil, Inc. et al. v. California Air Resources Board et al.*, Fresno County Superior Court, Case No. 14-CECG01494; ARB's appeal, Court of Appeal, Fifth District, Case No. F074003.

*John R. Lawson Rock & Oil, Inc. et al. v. California Air Resources Board et al. (potential).*

*Murray Energy Corporation v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1385.

*State of California, et al. v. United States Environmental Protection Agency et al.*, U.S. District Court, Northern District of California, Oakland Division, Case No. 4:17-cv-6936-HSG.

*States of New York, California, Vermont, and Maryland, and the Commonwealth of Pennsylvania v. National Highway Traffic Safety Administration*, U.S. Court of Appeals, Second Circuit, Case Nos. 17-2780(L) and 17-2806.

*State of New York, et al. v. United States Environmental Protection Agency et al.*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 17-1185.

*California Air Resources Board v. Adam Brothers Farming Inc.*, Santa Barbara County Superior Court, Case No. 16CV01758.

*People v. Southern California Gas Company*, Los Angeles Superior Court, Case No. BC 602973.

*In re: Volkswagen "Clean Diesel" MDL*, United States District Court, Northern District of California, Case No. 15-MD-2672-CRB (JSC).

*Friends of Oceano Dunes, Inc. v. California Coastal Commission, et al.*, San Luis Obispo County Superior Court, Case No. 17CV-0576; U.S. District Court for the Central District of California, Case No. 2:17-cv-8733.

*Mahan v. California Air Resources Board*, Sacramento County Superior Court, Case No. 34-2016-80002416.

---

## Opportunity for Members of the Board to Comment on Matters of Interest

Board members may identify matters they would like to have noticed for consideration at future meetings and comment on topics of interest; no formal action on these topics will be taken without further notice.

---

## Open Session to Provide an Opportunity for Members of the Public to Address the Board on Subject Matters within the Jurisdiction of the Board

Although no formal Board action may be taken, the Board is allowing an opportunity to interested members of the public to address the Board on items of interest that are within the Board's jurisdiction, but that do not specifically appear on the agenda. Each person will be allowed a maximum of three minutes to ensure that everyone has a chance to speak.

---

## Other Information

### Transit Information

#### **Sacramento Regional Transit**

(916) 321-BUSS

www.sacrt.com

This facility is accessible by public transit and is accessible to persons with disabilities.

---

### Submitting a Presentation

No outside memory sticks or other external devices may be used at any time with the Board audio/visual system or any CARB computers. Therefore, PowerPoint presentations to be displayed at the Board meeting must be electronically submitted via email to the Clerk of the Board no later than noon on the business day prior to the scheduled Board meeting.

For more information contact the Clerk of the Board  
1001 I Street, 23rd Floor, Sacramento, California 95814  
(916) 322-5594

### Special Accommodation Request

Consistent with California Government Code Section 7296.2, special accommodation or language needs may be provided for any of the following:

- An interpreter to be available at the hearing;
- Documents made available in an alternate format or another language;
- A disability-related reasonable accommodation.

To request these special accommodations or language needs, please contact the Clerk of the Board at (916) 322-5594 or by facsimile at (916) 322-3928 as soon as possible, but no later than 7 business days before the scheduled Board hearing. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

## Acomodación Especial

Consecuente con la sección 7296.2 del Código de Gobierno de California, una acomodación especial o necesidades lingüísticas pueden ser suministradas para cualquiera de los siguientes:

- Un intérprete que esté disponible en la audiencia
- Documentos disponibles en un formato alternativo u otro idioma
- Una acomodación razonable relacionados con una incapacidad

Para solicitar estas comodidades especiales o necesidades de otro idioma, por favor llame a la oficina del Consejo al (916) 322-5594 o envíe un fax a (916) 322-3928 lo más pronto posible, pero no menos de 7 días de trabajo antes del día programado para la audiencia del Consejo. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de Retransmisión de Mensajes de California.

(800) 242-4450 | [helpline@arb.ca.gov](mailto:helpline@arb.ca.gov)  
1001 "I" Street Sacramento, CA 95814  
P.O. Box 2815 Sacramento, CA 95812

---

Copyright © 2018 State of California



**ADVANCE COPY**

**PUBLIC MEETING AGENDA**

**LOCATION:**

California Environmental Protection Agency  
California Air Resources Board  
Byron Sher Auditorium, 2nd Floor  
1001 I Street  
Sacramento, California 95814

This facility is accessible by public transit. For transit information, call (916) 321-BUSS, website:

<http://www.sacrt.com>

(This facility is accessible to persons with disabilities.)

**TO SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING GO TO:**

<http://www.arb.ca.gov/lispub/comm/bclist.php>

**Thursday, September 27, 2018  
and  
Friday, September 28, 2018**

**Thursday  
September 27, 2018  
9:00 a.m.**

**CONSENT CALENDAR:**

The following items on the consent calendar will be presented to the Board immediately after the start of the public meeting, unless removed from the consent calendar either upon a Board member's request or if someone in the audience wishes to speak on them.

**Consent Item #**

**18-7-1: Public Meeting to Consider the California Infrastructure State Implementation Plan Revisions for the 0.070 Parts Per Million Federal 8-Hour Ozone Standard**

*The Board will consider adopting revisions to the California Infrastructure State Implementation Plan (SIP) for the 0.070 parts per million federal 8-hour ozone standard. The revisions address requirements that California demonstrates it has the necessary infrastructure – meaning the authority to adopt, implement, and enforce regulations, and sufficient personnel and resources – to meet the federal ozone standard as revised in 2015. Infrastructure SIPs include an "interstate transport" assessment of potential pollution impacts between upwind/downwind states.*

**18-7-2: Public Hearing to Consider Environmental Comments from John R. Lawson Rock & Oil, Inc. Regarding Board Item 18-1-4.**

*The Board will consider staff's responses to environmental comments submitted by John R. Lawson Rock & Oil, Inc., on July 18, 2018, during the 15-day comment period for the California Phase 2 Greenhouse Gas rulemaking action – Board Item 18-1-4, the February 8, 2018 Board hearing, "Public Hearing to Consider Proposed California Greenhouse Gas Emissions Standards for Medium- and Heavy-Duty Engines and Vehicles, and Proposed Amendments to the Tractor-Trailer Greenhouse Gas Regulation".*

**DISCUSSION ITEMS:**

**Note:** The following agenda items may be heard in a different order at the Board meeting.

**Agenda Item #**

**18-7-3: Public Meeting to Consider Assembly Bill 617 Community Air Protection Program – Community Selection and Program Requirements**

Spanish translation will be provided at the Board Meeting for this item, Item 18-7-3.

*The Board will consider approving the Program requirements to implement community monitoring, community emission reduction programs, and community selection guidelines contained in the proposed Community Air Protection Blueprint, certifying the Final Environmental Analysis, and approving the written responses to comments received on the Draft Environmental Analysis; all in one Resolution. The Board will also consider staff's proposed list of communities to be selected for the first year of the Community Air Protection Program in a separate Resolution.*

[More Information](#)

[Staff Presentation](#)

**18-7-4: Public Hearing to Consider Amendments to the Low Carbon Fuel Standard Regulation and to the Regulation on Commercialization of Alternative Diesel Fuels**

*The Board will consider proposed amendments designed to strengthen the Low Carbon Fuel Standard (LCFS) regulation through 2030 in line with the Senate Bill 32 greenhouse gas reduction goals. The proposed amendments would also foster increased deployment of zero-emission vehicles, adopt a credit generating protocol for carbon capture and sequestration, establish third-party verification of program data, and streamline the implementation of the regulation. As part of this rulemaking the Board will consider proposed amendments to the Alternative Diesel Fuels regulation based on a supplemental environmental analysis related to NOx emissions. This is the second of two Board hearings on this item; the Board will consider certifying the Final Environmental Analysis, approving the written response to comments received on the Draft Environmental Analysis and adopting the amendments at this meeting. If needed, this item will carry over for adoption by the board on Friday, September 28.*

[More Information](#)

[Staff Presentation](#)

**Friday  
September 28, 2018  
8:30 a.m.**

**18-7-5 Public Hearing to Consider Proposed Amendments to the Low-Emission Vehicle III Greenhouse Gas Emission Regulation**

*The Board will consider adopting proposed amendments to the Low-Emission Vehicle III greenhouse gas emission regulation to clarify that the "deemed to comply" option for model years 2021 through 2025 is applicable only if the currently adopted federal regulations remain in effect.*

[More Information](#)

[Staff Presentation](#)

**18-7-6 Public Hearing to Consider the Proposed Innovative Clean Transit Regulation, a Replacement of the Fleet Rule for Transit Agencies**

*The Board will consider the staff proposal for the Innovative Clean Transit (ICT) Regulation that would require California transit agencies to gradually transition their buses to zero-emission technologies while enhancing services. The proposed ICT Regulation is structured to allow transit agencies to take advantage of incentive programs by acting early and in a manner to implement plans that are best suited for their own situations. This hearing will be the first of two planned Board hearings.*

[More Information](#)

[Staff Presentation](#)

**CLOSED SESSION**

*The Board will hold a closed session, as authorized by Government Code section 11126(e), to confer with, and receive advice from, its legal counsel regarding the following pending or potential litigation, and as authorized by Government Code section 11126(a):*

*American Fuels and Petrochemical Manufacturers, et al. v. Jane O’Keeffe, et al., U.S. District Court (D. Ore. Portland), Case No. 3:15-CV-00467; Plaintiffs’ appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 15-35834.*

*California Air Resources Board v. United States Environmental Protection Agency, U.S. Court of Appeals, District of Columbia Circuit, Case No. 18-1085.*

*Electric Power Supply Association, et al. v. Star, et al., U.S. Court of Appeals, Seventh Circuit, Case No. 17-2445.*

*In re La Paloma Generating Company, LLC, U.S. Bankruptcy Court, District of Delaware, Case No. 16-bk-12700.*

*POET, LLC, et al. v. California Air Resources Board, et al., Superior Court of California (Fresno County), Case No. 09CECG04659; plaintiffs’ appeal, California Court of Appeal, Fifth District, Case No. F064045; California Supreme Court, Case No. S213394 [remanded to trial court]; plaintiff’s appeal of trial court order discharging peremptory writ of mandate, Court of Appeal, Fifth District, Case No. F073340.*

*POET, LLC, et al. v. California Air Resources Board, et al., Superior Court of California (Fresno County), Case No. 15CECG03380.*

*Rocky Mountain Farmers Union, et al. v. Corey, U.S. District Court (E.D. Cal. Fresno), Case No. 1:09-CV-02234-LJO-DLB; ARB interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 12-15131 [remanded to trial court].*

*American Fuels and Petrochemical Manufacturers, et al. v. Corey, et al., U.S. District Court (E.D. Cal. Fresno), Case No. 1:10-CV-00163-AWI-GSA; ARB’s interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 10-CV-00163 [remanded to trial court].*

*Sowinski v. California Air Resources Board, et al., U.S. District Court, Central District of California, Case No. 8:15-CV-02123; Orange County Superior Court, Case No. 30-2018-00970852-CU-IP-CXC.*

*State of California, et al. v. United States Environmental Protection Agency, U.S. Court of Appeals, District of Columbia Circuit, Case No. 18-1114.*



*State of California, et al. v. United States Bureau of Land Management, et al.*, U.S. District Court, Northern District of California Circuit, Case No. 3:17-cv-07186-WHO.

*State of New York, et al. v. United States Environmental Protection Agency*, U.S. District Court, District of Columbia, Case No. 1:18-cv-00773.

*State of North Dakota, et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 16-1242.

*State of North Dakota v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1381.

*State of West Virginia et al. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1363.

*State of Wyoming, et al. v. United States Department of the Interior, et al.*, U.S. District Court, District of Wyoming, Case No. 16-CV-285-SWS.

*The Two Hundred, et al. v. California Air Resources Board, et al.*, Superior Court of California (Fresno County), Case No. 18CECG01494.

*Truck Trailer Manufacturers Association, Inc. v. United States Environmental Protection Agency, et al.*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 16-1430.

*Valero Refining Co. California v. Hearing Board of the Bay Area Air Quality Management District et al.*, Court of Appeal, First Appellate District, Case No. A151004.

*Alliance for California Business v. California Air Resources Board, et al.*, Glenn County Superior Court, Case No. 13CV01232; plaintiffs' appeal, Court of Appeal, Third District, Case No. C082828.

*Alliance for California Business v. California State Transportation Agency, et al.*, Sacramento County Superior Court, Case No. 34-2016-80002491.

*American Coatings Association, Inc. v. State of California and California Air Resources Board*, Sacramento County Superior Court, Case No. 04CS01707.

*Jack Cody dba Cody Transport v. California Air Resources Board, et al.*, Sacramento Superior Court, Case No. 34-2015-80002116; plaintiff's appeal, Court of Appeal, Third District, Case No. C083083.

*Dalton Trucking, Inc. v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 13-1283 (dismissed), U.S. Court of Appeals, Ninth Circuit, Case No. 13-74019.

*John R. Lawson Rock & Oil, Inc. et al. v. California Air Resources Board et al.*, Fresno County Superior Court, Case No. 14-CECG01494; ARB's appeal, Court of Appeal, Fifth District, Case No. F074003.

*Murray Energy Corporation v. United States Environmental Protection Agency*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 15-1385.

*State of California, et al. v. United States Environmental Protection Agency et al.*, U.S. District Court, Northern District of California, Oakland Division, Case No. 4:17-cv-6936-HSG.

*States of New York, California, Vermont, and Maryland, and the Commonwealth of Pennsylvania v. National Highway Traffic Safety Administration*, U.S. Court of Appeals, Second Circuit, Case Nos. 17-2780(L) and 17-2806.

*State of New York, et al. v. United States Environmental Protection Agency et al.*, U.S. Court of Appeals, District of Columbia Circuit, Case No. 17-1185.

*California Air Resources Board v. Adam Brothers Farming Inc.*, Santa Barbara County Superior Court, Case No. 16CV01758.

*People v. Southern California Gas Company*, Los Angeles Superior Court, Case No. BC 602973.

*In re: Volkswagen "Clean Diesel" MDL*, United States District Court, Northern District of California, Case No. 15-MD-2672-CRB (JSC).

*Friends of Oceano Dunes, Inc. v. California Coastal Commission, et al.*, San Luis Obispo County Superior Court, Case No. 17CV-0576; U.S. District Court for the Central District of California, Case No. 2:17-cv-8733.

#### **OPPORTUNITY FOR MEMBERS OF THE BOARD TO COMMENT ON MATTERS OF INTEREST**

*Board members may identify matters they would like to have noticed for consideration at future meetings and comment on topics of interest; no formal action on these topics will be taken without further notice.*

#### **OPEN SESSION TO PROVIDE AN OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD ON SUBJECT MATTERS WITHIN THE JURISDICTION OF THE BOARD**

*Although no formal Board action may be taken, the Board is allowing an opportunity to interested members of the public to address the Board on items of interest that are within the Board's jurisdiction, but that do not specifically appear on the agenda. Each person will be allowed a maximum of three minutes to ensure that everyone has a chance to speak.*

#### **TO ELECTRONICALLY SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING GO TO:**

<https://www.arb.ca.gov/lispub/comm/bclist.php>

(Note: not all agenda items are available for electronic submittals of written comments.)

**PLEASE NOTE:** No outside memory sticks or other external devices may be used at any time with the Board audio/visual system or any CARB computers. Therefore, PowerPoint presentations to be displayed at the Board meeting must be electronically submitted via email to the Clerk of the Board at [cotb@arb.ca.gov](mailto:cotb@arb.ca.gov) no later than noon on the business day prior to the scheduled Board meeting.

#### **IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT THE CLERK OF THE BOARD:**

1001 I Street, 23<sup>rd</sup> Floor, Sacramento, California 95814

(916) 322-5594

CARB Homepage: [www.arb.ca.gov](http://www.arb.ca.gov)

**SPECIAL ACCOMMODATION REQUEST**

Consistent with California Government Code Section 7296.2, special accommodation or language needs may be provided for any of the following:

- An interpreter to be available at the hearing;
- Documents made available in an alternate format or another language;
- A disability-related reasonable accommodation.

To request these special accommodations or language needs, please contact the Clerk of the Board at (916) 322-5594 or by facsimile at (916) 322-3928 as soon as possible, but no later than 7 business days before the scheduled Board hearing. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

Consecuente con la sección 7296.2 del Código de Gobierno de California, una acomodación especial o necesidades lingüísticas pueden ser suministradas para cualquiera de los siguientes:

- Un intérprete que esté disponible en la audiencia
- Documentos disponibles en un formato alterno u otro idioma
- Una acomodación razonable relacionados con una incapacidad

Para solicitar estas comodidades especiales o necesidades de otro idioma, por favor llame a la oficina del Consejo al (916) 322-5594 o envíe un fax a (916) 322-3928 lo más pronto posible, pero no menos de 7 días de trabajo antes del día programado para la audiencia del Consejo. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de Retransmisión de Mensajes de California.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 6, 2018

Re: Quarterly Report of the Executive Office and Division Activities for the Months of  
July 2018 – September 2018

---

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

**Human Resources**

The Human Resources (HR) Office conducted 14 recruitment exams, including exams for: Air Quality Technician I/II, Assistant Counsel I/II, Assistant Manager (2), Director/Officer (3), Human Resources Analyst, Radio Telephone Operator, Senior Executive Secretary, Senior Human Resources Analyst, Senior Staff Specialist, Statistician, and Supervising Staff Specialist. In addition, the HR Office offered six training sessions, including: Excel Pivot Tables, Intermediate Microsoft Word, Bay Area Air Quality Management District (Air District) 101, Develop Strategic Agility, Embracing Generational Diversity and Succession Planning, and Preventing Workplace Harassment, Discrimination, and Retaliation. The HR Office continues to administer payroll, benefits, safety/worker's compensation, labor/employee relations, and wellness activities. There are currently 354 regular employees, 11 temporary employees and interns, and 50 budgeted vacant positions. There were 21 new employees, 14 promotions, and 18 separations from July to September 2018.

**Business Office**

The Business Office issued 455 purchase orders, executed 120 contracts and five leases/licenses. There were five requests for proposals/qualifications issued during this period.

**Fleet and Facilities Office**

Fleet services disposed of eight vehicles, acquired six vehicles, and sent 46 vehicles for maintenance and/or body shop repairs. There were 246 vehicle requests (95 from Metropolitan Transportation Commission (MTC) staff and 151 from Air District staff), of which 206 were pool vehicles and 40 were Enterprise car rentals. There were 12 cancelled requests. There are currently 123 fleet vehicles: three electric, two hydrogen fuel cell, 41 plug-in hybrids, 22 gas, 12 CNG, and 43 hybrids. Facilities received 51 Workspeed requests, facilitated eight furniture orders and

completed 82 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.

**Diversity, Equity & Inclusion Office**

The Office of Diversity, Equity & Inclusion (DE&I) focused on five functional areas; cultural awareness communications and activities, human resource strategies, Assembly Bill 617 involvement, website development, and Government Alliance on Race and Equity (GARE) participation.

**Cultural Awareness Communications and Activities:** The Office of DE&I continues to provide the content and creative design in the diversity section of the Air District’s internal bi-weekly newsletter. Within the newsletter, information was included regarding heritage month observations such as Hispanic Heritage Month. In addition, the Office of DE&I launched its first Employee Perspective page designed to share employees’ perspectives on a host of topics encouraging healthy discussions. The inaugural edition, focused on Hispanic Heritage Month and featured Air District employees of Hispanic origin. Also, within the newsletter, the Office of DE&I shared diversity best practices information such as, “How DE&I Initiatives Help an Organization Keep a Competitive Human Resource Advantage.” This piece included items such as improving company culture, boosting morale, and encouraging teamwork.

In honor of National Disability Employee Awareness Month, the Office of DE&I provided content regarding Disability Awareness and included an Employee Perspective section featuring Susan Manalo, Air Quality Technician II, in the Compliance & Enforcement division.



Additionally, the Office of DE&I represented the Air District at Caltrans’ District 4 Annual National Disability Employment Awareness event. The Office of DE&I provided an overview of the Air District’s Office of Diversity, Equity & Inclusion, including the collaborative work with our partner agencies and GARE.



In honor of Breast Cancer Awareness Month, the Office of DE&I included content in the newsletter regarding the significance of breast cancer awareness, including health screening recommendations. The Office of DE&I held its first Breast Cancer Awareness Month event where we invited all employees from the Air District and MTC to “Wear It Pink” on Wednesday, October 24, 2018. Those who were unable to wear pink, were provided lapel pins/ribbons, stickers and bracelets. Decorations, banners, and mints were placed on floors five through eight in the coffee bar areas. The event concluded with employees gathering on each of the floors for pink cupcakes and an opportunity to reflect on relatives, friends,

and colleagues who have and have not survived breast cancer. As expected, the event was well received and emotional for employees at both agencies.

**Human Resource Strategies:** The Office of DE&I began to discuss the Air District’s current internship opportunities and strategies with our Human Resources Office. The goal is to ensure that there is a diversity component within the internship process. The Office of DE&I interviewed the current diverse set of summer interns and featured them in the bi-weekly newsletter.

After evaluating Air District employee demographic data, the Office of DE&I worked with Human Resources to identify additional outreach efforts to attract diverse candidates throughout the year. The Office of DE&I has represented the Air District at the City of Oakland Job Fair and Career Exposition, Stanford University Career Fair, and UC Berkeley Civil and Environmental Engineering Career Fair, held on campus at each university. Our team had the opportunity to speak with potential future employees regarding job opportunities at the Air District, answered Air District career related questions and spent additional time with candidates on resume writing skills.

**Assembly Bill (AB) 617:** The Office of DE&I has begun to participate in AB 617 discussions with our internal Air District team. Thus far, we have worked on assisting in public facing inclusive language and are a contributor in on-going discussions on capacity building in communities of color.

**Website Development:** The Office of DE&I worked with the Web Development team to outline, design and launch the Air District’s first Diversity, Equity & Inclusion webpage. The new page is in the, “About the Air District” section of our public facing website.

**Government Alliance on Race and Equity (GARE):** The DE&I team continues to participate in the planning and actionable items for the GARE team as well as the GARE educational sessions held in Oakland. As members of the GARE team, the Office of DE&I made presentations at the Deputy Executive and Planning Directors meeting, the Bay Area Regional Collaborative (BARC) Executive Directors meeting and at the BARC Board meeting on the team’s strategic plan, goals, and next steps.

**Samples of Communications:**

The Air District is committed to diversity, equity and inclusion

### Employee Perspectives

Hispanic Heritage Month Edition

Periodically, we will share employees' perspectives on a host of topics concerning healthy alternatives for our Hispanic/Latino staff, as well as Hispanic Heritage Month.

Employees from the U.S. Air Corps program have been part of our program for many years. It's a time that we celebrate the history and culture of Hispanic/Latino Americans and the contributions they have made to our organization. We are proud to have Hispanic/Latino employees who bring their unique talents and experiences to the Air District. We will continue to support and celebrate our diverse workforce.

**Employee Spotlight:** Interview with [Employee Name], [Employee Title].

**Employee Spotlight:** Interview with [Employee Name], [Employee Title].

**Employee Spotlight:** Interview with [Employee Name], [Employee Title].

The Office of Diversity, Equity & Inclusion wants to hear from you. Please forward any ideas, suggestions or recommendations to [Email Address].

### Diversity Crossword Puzzle

WIN PRIZES

Answers to the crossword puzzle are available on the Air District's Diversity, Equity & Inclusion website.

**Clues:**

1. The Air District is committed to diversity, equity and inclusion.

2. The Air District is committed to diversity, equity and inclusion.

3. The Air District is committed to diversity, equity and inclusion.

4. The Air District is committed to diversity, equity and inclusion.

5. The Air District is committed to diversity, equity and inclusion.

6. The Air District is committed to diversity, equity and inclusion.

7. The Air District is committed to diversity, equity and inclusion.

8. The Air District is committed to diversity, equity and inclusion.

9. The Air District is committed to diversity, equity and inclusion.

10. The Air District is committed to diversity, equity and inclusion.

11. The Air District is committed to diversity, equity and inclusion.

12. The Air District is committed to diversity, equity and inclusion.

13. The Air District is committed to diversity, equity and inclusion.

14. The Air District is committed to diversity, equity and inclusion.

15. The Air District is committed to diversity, equity and inclusion.

16. The Air District is committed to diversity, equity and inclusion.

17. The Air District is committed to diversity, equity and inclusion.

18. The Air District is committed to diversity, equity and inclusion.

19. The Air District is committed to diversity, equity and inclusion.

20. The Air District is committed to diversity, equity and inclusion.

The Office of Diversity, Equity & Inclusion wants to hear from you. Please forward any ideas, suggestions or recommendations to [Email Address].

How Diversity, Equity and Inclusion Initiatives Help an Organization Keep a Competitive Human Resources Advantage

- Improves organization's culture
- Improves employee morale
- Easier recruitment of employees
- Increases creativity
- Strengthens advancement within organization
- Makes employees feel valued and respected
- Decreases interpersonal conflict among employees
- Improves client relations
- Responsive service delivery and enhances staff skills
- Increases productivity
- Encourages collaborative efforts
- Increases employee satisfaction & retention rates

The Office of Diversity, Equity & Inclusion wants to hear from you. Please forward any ideas, suggestions or recommendations to [Email Address].

### AIR DISTRICT INTERNS

Meet our interns: [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name].

Interns include: [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name], [Employee Name].

Internship opportunities are available in various departments including: [Department Name], [Department Name], [Department Name], [Department Name], [Department Name], [Department Name], [Department Name], [Department Name].

For more information, please contact [Employee Name] at [Phone Number] or [Email Address].

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

**Enforcement Program**

Air District Staff documented 189 air pollution violations that resulted in Notice of Violations (NOV) and responded to 1,499 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:

Following the fire in April 2018 and smoldering event in June 2018, at Tesla Inc., Air District staff have been conducting inspections at Tesla's North Paint Shop, Assembly and Touch-Up Operations. Air District staff are in the process of reviewing Tesla's permit applications and evaluating previously unpermitted coating operations, including all coatings, solvents, and adhesives used at the facility. Since July 2018, three NOVs have been issued to Tesla, Inc., two violations for failure to obtain Air District permits for assembly and touch-up operations and one violation for failure to comply with recordkeeping requirements.

On July 6, 2018, at 2:30 am, Shell Martinez Refinery (Shell) reported a compressor fire at its Hydrocracker Unit, requiring an immediate shutdown of the unit. During the shutdown process, Shell discovered the pilots on the Light Oil Processing (LOP) flare were extinguished and failed to re-ignite. Air District staff arrived on scene at 4:45 am and did not observe any odors downwind of the facility. The Air District did not receive any complaints and downwind ground-level monitors did not detect hydrogen sulfide or sulfur dioxide. This incident resulted in a violation of Air District Regulation 12-11-503 (not maintaining a continuous burning flare pilot).

On July 31, 2018, Air District staff met with representatives from several agencies, including: California Fish and Wildlife, Contra Costa County Hazmat, Contra Costa County Planning Department, Code Enforcement and the Contra Costa County District Attorney's Office to discuss on-going environmental violations occurring at the Pinole-Rodeo Auto Wreckers Company, located in Rodeo, California. The Air District currently has two regulatory issues with this facility: the improper handling of recovered gasoline, which has led to fires at the site, and the use of an unpermitted car crusher powered by an unpermitted diesel engine that is in violation of an open abatement order that was issued by the Air District's Hearing Board in 2012.

In August 2018, Stratford School, a new private school opened in Fremont offering classes from preschool to 8th grade. Due to the school's location next to Tri-City Rock, a concrete batch plant, families of students have filed complaints alleging dust and visible emissions from the facility. In September 2018, Air District Enforcement staff issued a NOV for a permit limit exceedance. The facility submitted a permit application to the Air District requesting an increase in the permit limit and the application is currently under review by the Air District's Engineering Division.

On August 15, 2018, Air District staff participated in a joint compliance inspection at Lehigh Southwest Cement (Lehigh), a Portland cement manufacturer and quarry, with the California Air Resources Board (CARB). CARB's preliminary assessment of the Air District's inspection and complaint handling of the Lehigh facility was positive. The final report from CARB is expected 4th quarter 2018.

On August 15, 2018, Air District staff determined the Mission Bay Development Group, San Francisco, failed to maintain adequate moisture of exposed disturbed soil at its naturally occurring asbestos infrastructure project site and was cited for a violation of the state's Asbestos Airborne Toxic Control Measure for Construction, Grading, Quarrying, and Surface Mining Operations.

On September 18, 2018, Air District staff conducted an odor survey and monitored for Hydrogen Sulfide (H<sub>2</sub>S) and Volatile Organic Compounds (VOCs) in and around the Sewerage Agency of Southern Marin (SASM) and Mill Valley Middle School (MVMS). The monitoring was in response to recent odor complaints from concerned MVMS parents about SASM, a wastewater treatment plant across the street from the school. Staff detected no offsite odors beyond 200 feet of the plant and instrument readings for H<sub>2</sub>S and VOCs were insignificant. As a precaution, staff requested further air monitoring, including real time air sampling for H<sub>2</sub>S with the Air District's monitoring van and grab samples using Silco lined canisters for October 2018.

### **Compliance Assurance**

Air District staff conducted over 2,585 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 July 8, 2018, at approximately 10:00 am, Shell experienced a unit upset at the Catalytic Cracking Unit (CCU). Decreased air in an air blower, lead to a pressure drop in the system that prevents Hydrocarbons (HC) from entering the Electrostatic Precipitators (ESPs) located downstream. To prevent HC from entering the ESPs and creating an explosive environment, the ESPs were automatically shut down, leaving all three Carbon Monoxide Boilers unabated. All three Carbon Monoxide Boilers exceeded Air District opacity standards during this incident.

Since July 11, 2018, Air District staff received and responded to complaints due to H<sub>2</sub>S odor emanating from Tesoro Refinery's (Tesoro) oxidation pond. Complaints were confirmed to that source. Tesoro attempted to improve the biological conditions of the pond via aeration and inputs of hydrogen peroxide to decrease the generation of H<sub>2</sub>S. No ground-level monitor excesses were recorded.

On July 13, 2018, Chevron Avon Terminal (Chevron) filed for a short-term variance (Docket #3711) to allow the use of the Internal Floating Roof (IFR) tank, Tk-104, while continuing to operate with a compromised secondary seal, in violation of Air District Regulation, Storage of Organic Liquids, Secondary Seal Requirements. The findings of the investigation were inconclusive, and the root cause remains unknown. Air District staff determined that insufficient



information was presented to support the short-term variance request and Chevron withdrew their request.

On August 16, 2018, Air District staff toured cannabis grow operations in Sonoma County accompanied by Sonoma County staff. Cannabis grow operations and the subsequent downstream manufacturing operations, where the cannabis is transformed into other products, are continuing to expand throughout the Bay Area. Air District staff was fact gathering to learn what Air District rules and regulations may apply to the various processes.

Air District staff investigated smoke complaints alleging tug boat operations at the Maritime Museum, San Francisco. The investigation determined that the Museum operated a historic vessel tug boat (Tug Boat Hercules) once per month for maintenance purposes that was powered by a boiler and fueled primarily by heavy fuel oil. Air District staff determined Tug Boat Hercules was exempt from the State's Commercial Harbor Craft rule (Title 17 CCR § 93118), but subject to Air District Regulation 6, Rule 1, Visible Emissions and Regulation 1, Section 301, Public Nuisance. Compliance assistance was provided to museum representatives.

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

Air District Staff received and evaluated over 1,845 plans, petitions, and notifications required by the asbestos, coatings, open burn, tank and flare regulations. Staff received and responded to over 65 compliance assistance inquiries and green business review requests. Highlighted compliance assistance activities for the quarter also included the following:

On July 19, 2018, staff participated in the quarterly South Bay Odor Stakeholder Group (SBOSG) meeting with representatives from the City of Fremont and City of Milpitas, CalRecycle, Republic Services, community representatives, the San Jose Local Enforcement Agency (LEA), and representatives Assembly Member Kansen Chu, Senator Bob Wieckowski and Congressman Ro Khanna's offices. The group continued discussions regarding the development of a regional odor study and was scheduled to reach out to Santa Clara County to request help with administering funds for the study, fully paid for by Republic Services as a requirement per the City of San Jose's Conditional Use Permit. SBOSG members are expecting to work collaboratively to develop an odor study to help understand regional odor sources and their impacts to the Milpitas community.

On July 31, 2018, Air District staff accompanied CARB staff on site visits to chrome plating facilities. Staff visited Global Plating located in Fremont and Babbitt Plating and SJ Valley Plating, located in San Jose. In anticipation of upcoming amendments to the Chrome Plating Airborne Toxic Control Measure (ATCM) in 2019, the purpose of the site visits was to gather information, collect dust samples and determine whether additional ambient source testing for hexavalent chrome and other metals should be conducted.

On September 13, 2018, Air District staff met with Republic Services and their consultants to discuss Newby Island's Authority to Construct application for the proposed design of the Materials Recovery Facility (MRF), following Republic's 2017 commitment to the Air District to

abate and enclose the building to reduce VOC emissions and odor impacts in the Milpitas community. The Air District is awaiting Republic Services' submission of a permit application with the proposed engineering designs for a comprehensive review of mass emissions estimates, Best Available Controls Technologies (BACT) and cost analyses.

On September 27, 2018, Air District staff attended the Contra Costa County Hazardous Material Commission meeting regarding coal and petroleum coke emissions from the Levine Terminals at the Port of Richmond. Air District staff made a brief presentation on the development of new Air District particulate regulations. Air District Board of Director Mark Ross sits on the Commission and was present at the meeting. Several of the Commission members expressed displeasure with the disparity in the permitted emission levels of coke dust allowed at the Levine Terminal in Richmond relative to the much newer coke handling facility built in Pittsburg in the 1990s. Air District Staff explained that the Pittsburg facility was built much more recently than the Levine Terminal in Richmond, and it was required to be completely enclosed as a best available control technology (BACT) requirement.

The burn season for stubble burning began September 1, 2018 and will continue through December 31, 2018. Staff have processed two burn notifications and allocated 180 acres to date.

Staff approved one prescribed burn smoke management plan in Contra Costa County.

A compliance advisory was posted on the Air District's website regarding rental properties within natural gas service areas. Effective November 1, 2018, all rental properties in areas with natural gas service are required to have a permanently-installed form of heat that does not burn solid fuel.

Air District staff completed the data verification and posting of refinery flare monitoring data through July 2018.

Air District staff conducted the following inspections for the Strategic Incentives Division (SID): 88 projects and 168 engines.

(See Attachment for Activities by County)

**TECHNOLOGY IMPLEMENTATION OFFICE  
R. CHIANG, 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**

The loan and partnerships program for climate technologies for Bay Area industrial facilities has been branded as the Climate Tech Finance program (<http://www.baaqmd.gov/CTF>). To prepare to launch this program publicly, Air District staff:

- Completed the [Climate Technology Review](#), an assessment of 188 technologies that reduce greenhouse gas emissions for industrial facilities. Information on technology readiness, costs, technical and market barriers, and potential for emissions reductions is organized in an Excel matrix that the Air District will maintain and use to prioritize the technologies supported through Climate Tech Finance. For 33 high-priority technologies, staff recommended the best course of action, such as incentives, rule development, and/or outreach.
- The Air District and the California Infrastructure and Economic Development Bank (IBank) are finalizing an agreement to offer loans for public sector facilities and loan guarantees for private sector facilities, authorized by the Air District Board (August 1, 2018). This collaboration will allow the Air District to provide matchmaking and technical evaluations that expand the IBank's customer base and finance eligible greenhouse gas reduction technologies.
- Outreach materials, webinars, and promotional events were developed and planned in preparation for launching the Climate Tech Finance Program in November 2018.
- This initial loan program will have \$4 million available from the Air District for loans and loan guarantees for technology categories based on the results of the Climate Technology Review.

### **Clean Cars for All**

Clean Cars for All provides incentives for low income households in Bay Area disadvantaged communities to retire older, high-polluting vehicles and replace them with a newer, cleaner vehicle or with alternative transportation options.

- Staff are developing operating procedures, website, and partnerships with dealers, vehicle scrappers, Clipper Card, and a provider of a transportation credit card for a soft launch of the program in December 2018. After the application processes are piloted during the soft launch, a Bay Area-wide launch is planned for 2019 Quarter One.
- GRID Alternatives, an Oakland-based non-profit that specializes in community engagement for low-income residents in the energy sector, was selected through a Request for Proposals (RFP) and approved by the Air District Board (August 1, 2018) to provide one-on-one assistance to applicants.
- Fluxx, Inc., a San Francisco-based software vendor, was selected through an RFP to configure, test, and support the grant management system and provide training to Air District staff.
- A grant from California Air Resources Board (CARB) is providing \$5 Million for the two-year program. The Air District is also in discussions with CARB and other organizations who may be interested in providing additional funding to expand this program.

## **Charge! Program for Electric Vehicle (EV) Infrastructure**

In preparation for reopening the Charge! program in 2018 Quarter four, staff updated the program guidelines based on updated cost-effectiveness calculations and previous experiences with applicants and grantees.

## **Clean Fleets Program for Light Duty Zero Emissions Vehicles**

The zero-emissions vehicle fleet grant program opened on August 28, 2018, branded as the Clean Fleets Program (<http://www.baaqmd.gov/cleanfleets>). The program outreach is ongoing for high-mileage fleets to purchase or lease new vehicles, e.g. car-sharing, taxis, ride-sharing, police departments, and parking enforcement.

## **EV Outreach and Partnerships**

New grant funding from the Federal Highway Administration and CalTrans has allowed the Air District to specifically dedicate time and resources to EV outreach and partnerships that will support and enhance the EV incentives programs.

- Staff are developing outreach materials, conducting analyses on the Bay Area EV market trends, updating the 2013 EV readiness plan, and conducting stakeholder workshops about their needs for EV related resources and activities.

## **Climate Tech Marketplace and Network**

As part of the Global Climate Action Summit, on September 13, 2018, the Air District organized the Climate Tech Marketplace, a networking and expo event to connect business and government customers with innovative climate technologies and to highlight the Air District's role as a matchmaker for new climate technologies.

- This event featured over 30 technology exhibitors and attracted over 275 attendees, including businesses, government officials, investors, industry accelerators, and technology companies.
- To continue the technology matchmaking efforts, staff are planning for the first Climate Tech Network event in January, to bring relevant industry, facility, local government, and finance partners together to review climate technology and partnership opportunities.

## **Technology Demonstration Projects**

Staff are managing ongoing technology demonstration projects with:

- Sustainable Energy Accelerators – renewable hydrogen feasibility study
- MyGreenCar – electric vehicle cost-benefit app

- Metis Design - microturbine for combined heat and power
- Freewire – concluded project to replace gas or diesel generators with a portable battery at the weekly Off the Grid event in Fort Mason in San Francisco

**ENGINEERING DIVISION  
P. LEONG, DIRECTOR**

**Energy Projects**

**Chevron Refinery, Richmond:** The Chevron Richmond Refinery proposes to install supplemental natural gas pipelines, valves, meters and controls to the following flares in order to meet the flare control efficiency requirements of Environmental Protection Agency's (EPA) new Maximum Available Control Technology (MACT) flare standards, National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 Code of Federal Regulations (CFR) 63 Part CC, which will be effective on January 30, 2019.

The permit for the modifications at S-6010 High Level Flare, LSFO; S-6012 V-282 South Isomax Flare; S-6013 V-281 North Isomax Flare; S-6015 Refinery Waste Gas Flare; S-6016 V-731 FCC Flare; S-6019 V-732 Alky-Poly Flare; S-6039 V-3501 Lube Flare was issued and a California Environmental Quality Act (CEQA) Notice of Exemption (NOE) was filed with Contra Costa County on July 3, 2018.

The refinery proposes to install supplemental natural gas pipelines, valves, meters and controls to the new hydrogen plant flare system. The permit for the modifications was issued and an NOE was filed with Contra Costa County on August 13, 2018.

**Tesoro Refinery, Martinez:** The Tesoro Refinery applied to modify the refinery flares to meet both Consent Decree requirements and EPA's new MACT CC flare standards, NESHAP 40 CFR 63 Part CC. Tesoro proposes to install supplemental natural gas pipelines, valves, controls and related monitoring to the existing flare systems. No changes to the flare tips will be required. Tesoro will install two systems. One will service the main, cascading flares (S-853, S-944, S-945, S-992, S-1012, S-1517 and S-1524) and the other will service the S-1524 50 Unit flare. The EPA requirements ensure a 98% destruction efficiency for steam assisted flares. The permit for the modifications was issued and an NOE was filed with Contra Costa County on July 3, 2018.

The Tesoro Refinery applied to install a H<sub>2</sub>S Caustic Scrubbing System that will be used to remove H<sub>2</sub>S from flare gas during an upcoming refinery turnaround of the No. five Gas Plant and Delayed Coker Unit. An NOE was filed with Contra Costa County and an Authority to Construct was issued on September 7, 2018.

**Phillips 66 San Francisco Refinery, Rodeo:** Phillips 66 applied to increase their daily throughput at the Unicracker complex (S-307 and S-434) by 4,000 barrels. The project was covered under a previous Environmental Impact Report (EIR) completed for Phillips 66 Clean Fuels Expansion Project. A Notice of Determination was filed with Contra Costa County and the permit was issued on August 16, 2018.

### **Permits and Projects**

**Chemtrade West US LLC, Richmond:** Chemtrade applied for an alteration of the existing sulfuric acid plant to replace absorption towers and associated equipment and for exemptions for several sulfuric acid tanks. An NOE has been filed with Contra Costa County and a permit was issued on July 3, 2018.

**Noe Valley Coffee Company, San Francisco:** Noe Valley has applied for a new coffee roaster (Application 29148). Staff has determined that the facility's land use permit will require a modification in order for the facility to install this coffee roaster. The City and County of San Francisco (CCSF) is the CEQA lead agency for this project. No final action will be taken on this permit until after the CCSF completes and certifies its CEQA process.

**Newby Island Landfill Facility, Milpitas:** Staff met with Newby's management and the South Bay Odor Stakeholders Group (SBOSG) on July 19, 2018. Staff discussed Newby's lack of progress on submitting plans to expand and abate the Material Recovery Facility (MRF), operational concerns at the Covered Aerated Static Pile (CASP) Composting Operations, compliance issues that may impact the landfill expansion application, and recent increase in nighttime odor complaints. Staff will continue to work with Newby on the source testing protocol for the CASP composting process. SBOSG continued discussions on how best to conduct an area wide odor study and will seek input from Santa Clara County. The annual Publicly-Owned Treatment Works (POTW) biosolids removal and transfer to the Newby will occur in September 2018 or October 2018. Republic is preparing for this event with additional odor control surfactants and plans to cover this material immediately upon receipt. The POTW's plans to eliminate this odorous material transfer to the landfill are at least a decade away from implementation. SBOSG is frustrated at the lack of participation in this group by the POTW and other potential odor sources, such as ZWED.

Engineering, Compliance & Enforcement, and Legal staff met with Republic Services on August 23, 2018, to discuss the lack of progress on their expansion and abatement of the Material Recovery Facility (MRF), which is needed to prevent odor public nuisances and meet Best Available Control Technology (BACT) requirements. The Air District was expecting to receive a detailed modification of Application 27073 in June 2018 that would include: a building expansion, ventilation system improvements, and abatement of all exhaust points. Republic Services re-committed to abating the MRF operations and stated that they would meet to discuss their current draft plans on a regular basis and provide the modified application by December 2018.

Republic Services presented revised drafts of the building enclosure and abatement plans for the Newby Island MRF to Compliance and Enforcement and Engineering staff on September 13, 2018. We discussed alternative proposals and the basis for the current plans including a draft BACT analysis. Staff identified deficiencies with the MRF emissions inventory and BACT analyses.

In response to Air District comments on Republic's September 13, 2018 presentation, Republic Services submitted updated emission inventory calculations and BACT analyses for the Material Recovery Facility. Engineering staff is reviewing these submittals. In addition, Compliance and Enforcement staff is investigating new odor complaints regarding this facility.

On October 19, 2018, the Air District received a revised application proposal package from Republic Services. Engineering staff are reviewing the package and performing an application completeness determination.

**AB&I Foundry, Oakland:** Three applications for an Authority to Construct and/or Permit to Operate (Applications No. 28078, 28208, and 28864) were approved on August 1, 2018. Application No. 28078 is for Source 64, Automatic Tundish Pouring System, which will replace Source Eight Metal Induction Furnace on the DISAMATIC (DISA) 2013 pouring line. DISA is an automatic production line used for fast manufacturing of sand molds for sand casting of metal (gray iron). Application No. 28208 is for sources S-65 through S-71, No Bake Sand System, and S-52, Sand Molding System. Application No. 28864 is for Source 85, No-Bake Sand Mold and Core Coating and Mold Release Operations with Natural Gas Light-Off. An NOE for the three applications has been submitted to the Alameda County Clerk and the permits were issued on August 1, 2018.

**California Air Pollution Control Officers Association (CAPCOA) Air Toxics and Risk Managers Committee (TARMAC):** Staff participated in the August 21, 2018 CAPCOA TARMAC conference call. EPA informed that the National Air Toxics Assessment data based on the 2014 emissions inventory will become available on August 22, 2018. CARB provided updates on the chrome plating Air Toxic Control Measure (ATCM), Gasoline Dispensing Facility (GDF) Risk Assessment Guidelines, At Berth regulation and the AB 2588 Emissions Inventory Control Guidelines. Other items discussed included: AB 617 update and the Vapor recovery sub-committee update.

**CAPCOA Engineering Managers Committee:** Staff participated in the August 20, 2018 and August 21, 2018, meeting in Davis, California. Items discussed included: Updates from CARB (E-noticing guidance, Potential litigation over federal landfill rules, Composting white paper, Utility wildfire power shutdown program ATCM implications), Updates from EPA (Regulatory updates, Other topics), AB 617 Updates (CARB's Technology Clearinghouse, the proposed Criteria Pollutant and Toxic Air Contaminants Reporting Regulation (CTR), and the Air Districts' progress implementing AB 617), cannabis-related activities, air curtain incinerators, Wine Fermentation Tanks, Power Plant Permitting, and new BACT determinations made by Sacramento Metropolitan Air Quality Management District.

**National Association of Clean Air Agencies (NACAA) Permitting and New Source Review Committee:** Staff responded to a NACAA Title V Fee Survey, which examined how state and local air agencies are currently managing permit fees under Title V of the Clean Air Act. The survey is expected to be useful to agencies that may be re-evaluating their Title V fee structures. On July 11, 2018, staff participated in a conference call of the NACAA Permitting and New Source Review Committee. Topics discussed during the call included: Updated Title V fee and program evaluation guidance from EPA and the NACAA 2018 Title V Fees Survey.

**Bay Area Clean Water Agencies (BACWA):** Staff held a meeting of the Bay Area Clean Water Agencies (sewage treatment plants) on August 6, 2018. About 20 persons from the sewage treatment plants attended the meeting. Engineering, Rule Development and Technology Implementation Office (TIO) staff also attended. Staff presented information on the methane strategy, AB 617, Rule 11-18, TIO's loan program, and temporary permits. Central Contra Costa Sanitary District gave a presentation on preparing an internal health risk assessment in preparation for Rule 11-18 compliance.

**Organics Recovery and Diversion:** CAPCOA, CARB, and CalRecycle held a joint workshop in Sacramento on August 21, 2018, to present and solicit comments on the draft white paper entitled "Composting in California: Addressing Air Quality Permitting and Regulatory Issues for Expanding Infrastructure." This workshop included an air district panelists discussion. Staff answered questions about permitting requirements, permitting procedures, timelines, new source review requirements, and offset availability in their respective air districts. A second workshop was held in Southern California on August 24, 2018. Final comments on the draft white paper were due by September 24, 2018.

**Industry Wide Health Risk Assessment Guidelines for Gas Dispensing Facilities (GDFs):** Staff is participating with CARB and CAPCOA to update the Industry Wide Health Risk Assessment Guidelines for GDFs. Staff are commenting on draft emission calculation procedures and developing updated air dispersion modeling guidance. Modeling runs will be conducted for seven different gas station configurations using at least four different meteorological data sets to produce HRA results look-up tables.

**U.S. EPA Section 105 Grant:** Section 105 of the Clean Air Act authorizes EPA to provide grants to "air pollution control agencies," which are defined to include local agencies "with responsibility for enforcing ordinances or laws relating to the prevention and control of air pollution." Staff coordinated with other divisions on the review and completion of the Air District's 105 Grant Year-End Report, then submitted the report to EPA Region 9 on October 18, 2018. The Air District's Clean Air Act 105 funding requires mid-year and year-end reporting to EPA on activities performed and completed.

**Stanford University:** Staff met with Professor Bartholomeusz and six students to discuss issues on making and using renewable natural gas (RNG). The process involves purifying waste gas to produce a gas that meets pipeline or transportation natural gas specifications. The seminar is called the "TomKat Impact Fellows."



**Government Alliance on Race & Equity:** Staff continues to participate in training to gain understanding of the role of government in relation to racial equity and to identify opportunities to advance racial equity within government. Staff attends monthly training workshops to further understand the role of government in relation to racial equity.

**Safety Training:** In August 2018, staff attended a comprehensive review of basic safety awareness and practices involving various physical hazards that maybe encountered during site visits of the regulated community.

### **Rule Development and Implementation**

#### **Regulation 11, Rule 18, Reduction of Risk from Air Toxic Emissions at Existing Facilities:**

On September 11, 2018, the Air District sent data requests to 12 sites that are potentially subject to Regulation 11, Rule 18. These facilities will need to review and update their current toxic emissions inventory and emissions release data, which will be used in the facility-wide health risk assessment for these sites. Currently, the Air District has received data from one facility and is validating this data prior to conducting the facility-wide health risk assessment.

**Heavy Liquid Study:** Staff is working with Legal, Enforcement, and Rule Development to improve average emission factors for fugitive emission leaks from heavy liquid service components. All five refineries have finished the screening portion while four have finished the mass sampling (bagging) portion. Mass sampling of heavy liquid components will continue November 5, 2018, followed by sampling for the Lube Oil Study. The Air District has requested all laboratory results of mass emissions testing conducted to date.

**Regulation 12, Rule 15: Petroleum Refining Emissions Tracking:** All five refineries and their support facilities submitted their 2017 Annual Emissions Inventories required by Regulation 12-15-401 the week of June 30, 2018. Staff is reviewing these submittals for deficiencies. Preliminary reviews indicate that subsequent deficiency letters will be issued to each facility. The deadline to issue the deficiency letters is November 8, 2018.

**California Assembly Bill 617:** Staff continues to implement AB 617, including participation on the Best Available Retrofit Control Technology (BARCT), BACT, and Emissions Inventory subcommittees with CARB and other air districts. Staff participated in several conference calls with CARB and other local air districts to discuss questions about CARB's interim AB 617 Technology Clearinghouse. Staff reviewed the accuracy of CARB's draft interim BACT guidelines database for the Bay Area, which was made publicly-available on its webpage on September 27, 2018. Staff reviewed a draft criteria and air toxics emissions inventory regulation and provided written comments to CARB on September 28, 2018. Staff is working with an inter-divisional team to develop permit ideas to further reduce air pollutant emissions and exposure for communities. Staff participates in three AB 617 workgroups: West Oakland Action Plan, Monitoring Plan, and Community Prioritization Plan. Staff also participates in the weekly AB 617 Implementation workgroup meetings as part of the project oversight team.

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

The Air District Counsel's Office received 283 violations reflected in Notices of Violation (NOVs) for processing.

Mutual Settlement Program staff-initiated settlement discussions regarding civil penalties for 182 violations reflected in NOVs. In addition, two Final 30-Day Letters were sent regarding civil penalties for two violations. Finally, settlement negotiations resulted in collection of \$192,725 in civil penalties for 155 NOVs.

Air District Counsel's initiated settlement discussions regarding civil penalties for 24 violations reflected in NOVs. Settlement negotiations by counsel resulted in collection of \$20,850 in civil penalties for 14 violations reflected in NOVs.

**COMMUNICATIONS AND PUBLIC INFORMATION DIVISION  
L. FASANO, OFFICER**

**Media Inquiries**

Staff responded to media inquiries during this quarter, including requests about:

- Wildfire smoke
- Commuter Benefits
- Tesoro violations
- Diesel Free by '33
- Phillips 66
- AQ readings
- AB 617
- Air quality
- Hybrid tugboat
- Shell
- Spare the Air
- Climate change
- California waiver
- Refinery upsets
- GHGs
- Napa Temperature trends
- Fence line monitoring
- Zero emission ferry

**Media Highlights**

The Air District was mentioned in 847 print/online stories and 48 video and radio clips from July 2018 to September 2018. Below are media coverage highlights:

- [Good Air Quality Forecast For Bay Area Through Wednesday](#)
- [Bay Area Air Quality Forecast To Be Good Through Wednesday](#)
- ['It's getting worse:' Climate change stokes fiery future for California](#)

- [These Bay Area cities have the smallest, and largest, carbon footprints](#)
- [These Bay Area cities have the smallest -- and largest -- carbon footprints](#)
- [Bloom Energy to preview highly-efficient biogas solution](#)
- [Fires spur Bay Area smoke warnings again](#)
- [Wildfire Smoke Triggers Another Air Quality Advisory In Bay Area](#)
- [Bay Area agency issues air quality advisory due to wildfires smoke](#)
- [Pacific Steel Casting in West Berkeley closes after 84 years](#)
- [Northern California wildfire smoke prompts Bay Area air quality advisory](#)
- [Air Quality Advisory issued for Bay Area through Tuesday](#)
- [Air Quality Advisory Issued For Smoke in the Bay Area](#)
- [Berkeley's Pacific Steel Casting closing after 84 years](#)
- ['Spare the Air' alert declared through Sept. 4](#)
- [Air Quality Advisory For Smoke Extended Through Tuesday](#)
- [Bay Area smoke advisory issued for Tuesday](#)
- [Air Quality Advisory for smoke extended through Tuesday for Bay Area](#)
- [Smoke from Ranch fire blankets North Coast](#)
- [11th 'Spare the Air' Alert issued for Labor Day](#)
- [Monday Is A 'Spare The Air' Day](#)
- [Spare the Air Alert issued for Labor Day](#)
- ['Unhealthy' Labor Day smog forecast in Bay Area prompts air alert](#)
- [Are you ready? An autonomous vehicle shuttle proposed for downtown Napa](#)
- [Smoke advisory issued: Air quality experts advise people to stay vigilant through Labor Day weekend](#)
- [Smoke triggers air quality advisory for Labor Day weekend](#)
- [534 fires in British Columbia forecast to bring smoke to the Bay Area over Labor Day weekend](#)
- [Wildfire smoke spurs air quality advisory Labor Day weekend](#)

- [Summer smoke and haze from California wildfires don't greatly deter Napa Valley tourism](#)
- [Air Quality Advisory Issued Because Of Smoke Expected In Bay Area](#)
- [Diesel emissions down at Port of Oakland, but health risks still high](#)
- [It's gonna be hot](#)
- [Wildfires impact Sonoma County air quality](#)
- [Wildfires, climate change ensure more bad air days are coming to Bay Area](#)
- [Where's the smoke in the Bay Area coming from?](#)
- [No Spare the Air alert in effect for Saturday](#)
- [Solano sees more unhealthy air pollution due to wildfires](#)
- [Officials issue Spare the Air alert for Bay Area due to unhealthy air quality](#)
- [SFO flights delayed amid low visibility, heavy smog](#)
- ['Unusual' Spare the Air Alert issued for Bay Area for Thursday and Friday](#)
- [Wildfire smoke triggers warnings in San Jose](#)
- [It's not just fog turning the sky gray: SF air quality is 3 times worse than Beijing](#)
- [That's Not Just Fog Today. The Air Quality Is Terrible.](#)
- [Wildfire Smoke Prompts Air Quality Advisory Through Weekend](#)
- [Smoke Triggers Air Quality Advisory Through Tuesday In Bay Area](#)
- [Solano air pollution warnings persist into week](#)
- [Wildfire smoke prompts air quality advisory through Tuesday](#)
- [Wildfire smoke sparks air quality advisory for Bay Area](#)
- [Wildfires Smoke Prompts Air Quality Advisory Through Tuesday](#)
- [Blaze near Yosemite fully contained](#)
- [Spare the Air Alert continues Sunday in Bay Area due to smog, smoke](#)
- [Expert explains impact of wildfire smoke as Bay Area air alert issued](#)
- [Smog and smoke from wildfires prompts seventh Spare the Air alert](#)
- [Smog and smoke prompt another Spare the Air alert for Saturday](#)

- [Bay Area air quality alert issued due to smoke from wildfires](#)
- [Marin 'greenway' project gets \\$280K grant](#)
- [Sonoma County chokes on smoke as fires pollute air across California](#)
- [Thank you, Fogust! Bay Area fog helps fend off smoke](#)
- [Northern California fires: Air pollution warning issued over smoke](#)
- [Haze, smoke prompts another Spare the Air alert, hottest day of the week](#)
- [California Fires: Smoke levels to improve as Bay Area weather changes](#)
- [Spare the Air Alert Issued for Second Straight Day](#)
- [California wildfires prompt 'Spare the Air' days across Bay Area](#)
- [Spare the Air alert issued for Wednesday](#)
- [Air districts issue health advisories for Solano residents](#)
- [Air districts issue health advisories for Solano residents](#)
- [Wildfires prompt poor air quality, spare the air alert for parts of Bay Area](#)
- [Smoke Prompts 5th 'Spare The Air' Alert For Bay Area](#)
- [Smoke from Mendocino Complex fires polluting Bay Area](#)
- [California is choking on wildfire smoke: Striking before-and-after photos reveal unhealthy air](#)
- [California fires: See how smoke is spreading across the West](#)
- [Air quality advisory issued for Bay Area through Thursday](#)
- [Air Quality Advisory extended through Thursday in Bay Area](#)
- [Wildfire Smoke Prompts Air Quality Advisory](#)
- [Redding residents return to find burned-out neighborhoods](#)
- [Ominous sunrise signals return of wildfire smoke to Bay Area](#)
- [Wildfire smoke impacts Bay Area air quality](#)
- [Air quality advisory announced for Friday due to wildfire smoke](#)
- [Air Quality advisory: wildfire smoke might move into Bay Area](#)

- [Despite Cool Coastal Weather Heat And Wind Tax 13K Firefighters](#)
- [Firefighter killed near Yosemite as blazes roar through California](#)
- [Millbrae Residents Asked To 'Spare The Air'](#)
- [Bay Area Spare the Air alert issued for Thursday](#)
- [Smog levels jump, cause pollution alert in eastern Solano](#)
- [Wildfire burning near Milpitas now 90 percent contained](#)
- [Containing the Slag](#)
- [Temperatures — and fire danger — rising across the state](#)
- [Air quality concerns linger as wildfires rage in California](#)
- [Where smoke from Yolo County fire is headed next](#)
- [Families Trying to Celebrate the Summer Stay Cautious as Air Quality Concerns Rise](#)
- [Air District asks people not to light personal fireworks this Fourth of July](#)
- [Yolo County wildfire's smoke, ashes stir memories of Napa firestorms](#)
- [Wildfire burning through Yolo, Napa counties minimally contained](#)
- [Gov. Signs Bill Modernizing Air District Communications](#)
- [Wildfire smoke riding above fog](#)
- [Smoke from forest fire filters sunlight in the mid-Peninsula](#)
- [Bay Area covered with white ash, orange skies because of faraway wildfires](#)
- [Bay Area to look less yellow as an onshore breeze blows away wildfire smoke](#)
- [County Fire grows to 44,700 acres, 3% contained](#)
- [Smoke advisory issued throughout Bay Area](#)
- [Smoke advisory: Effects to linger in Bay Area until midweek, officials say](#)
- [Smoke from wildfires begins to clear after hazy day in SF](#)
- [Ash from Yolo County fire dusts East Bay, prompting officials to warn of health risks](#)

## **Press Release**

- 9/26/2018 [Permissive burn periods for crop replacement and flood debris fires open](#)
- 9/25/2018 [Air District issues thirteenth Spare the Air Alert for smog](#)
- 9/24/2018 [Bay Area Air District testifies at EPA hearing on roll back of vehicle emissions standards](#)
- 9/24/2018 [Air District issues twelfth Spare the Air Alert for smog](#)
- 9/11/2018 [Climate Tech Marketplace showcases emerging technologies to reduce climate change](#)
- 9/11/2018 [Air quality advisory for smoke extended for the Bay Area through Wednesday](#)
- 9/10/2018 [Media Advisory: Signing ceremony for United Against GHGs – Diesel Free by '33](#)
- 9/10/2018 [Climate Friendly Cuisine Conference promotes food service innovations that save money, health and the planet](#)
- 9/09/2018 [Air quality advisory for smoke issued for the Bay Area through Tuesday](#)
- 9/03/2018 [Air Quality Advisory for smoke for Bay Area extended through Tuesday](#)
- 9/02/2018 [Air District issues eleventh Spare the Air Alert for smog](#)
- 8/30/2018 [Air Quality Advisory for smoke issued for Bay Area through Monday](#)
- 8/23/2018 [Air District issues Spare the Air alert for smoke today & tomorrow](#)
- 8/18/2018 [Air District issues eighth Spare the Air Alert for smog](#)
- 8/17/2018 [Air District issues seventh Spare the Air Alert for smog](#)
- 8/17/2018 [Air Quality Advisory for smoke issued for Bay Area through Sunday](#)
- 8/08/2018 [Air District issues sixth Spare the Air Alert for smog](#)
- 8/07/2018 [Air District issues fifth Spare the Air Alert for smog](#)
- 8/06/2018 [Air Quality Advisory extended in the Bay Area through Thursday](#)
- 8/02/2018 [Air Quality Advisory issued in the Bay Area for Friday and weekend](#)
- 7/27/2018 [Air District and West Oakland Environmental Indicators Project initiate new steering committee to target air pollution](#)
- 7/19/2018 [Smog levels jump, cause pollution alert in eastern Solano](#)
- 7/24/2018 [Wildfire burning near Milpitas now 90 percent contained](#)
- 7/02/2018 [Air District asks residents to not light personal fireworks this Fourth of July](#)
- 7/01/2018 [Smoke Advisory in Effect in the Bay Area](#)

## **Public Inquiries**

Phone: 427 public calls

## **Events**

- June 30, 2018 – June 1, 2018: Solano County Fair – Vallejo
- June 30, 2018 – July 4, 2018: Marin County Fair – San Rafael
- July 14, 2018: 9th annual North Richmond Music Festival – Richmond
- July 15, 2018: Sunday Streets – San Francisco
- July 19, 2018: Stanford Health Care EH&S Safety Fair – Menlo Park
- July 25, 2018: SSF Commuter – South San Francisco
- July 28, 2018: Pedalfest- Bike East Bay – Oakland
- August 4, 2018 – August 5, 2018: Bike East Bay – Fremont Festival of the Arts – Livermore

- August 3, 2018 – August 12, 2018: Sonoma County Fair – Santa Rosa
- August 6, 2018 – September 3, 2018: ASIC (Air Sensor) Conference – Oakland
- August 11, 2018: EHP Community Blockfest – Easy Palo Alto
- August 11, 2018 – August 12, 2018: Los Gatos Fiesta de Artes – Los Gatos
- August 15, 2018: Livermore Health Fair – Livermore
- August 18, 2018: SMART Fest – Novato
- August 19, 2018: Mystery Route – Sunday Streets – San Francisco
- August 23, 2018: Commute Fair – Palo Alto
- September 1, 2018 – September 2, 2018: Millbrae Art & Wine Festival – Millbrae
- September 5, 2018: Logitech Fitness Fair – Newark
- September 8, 2018 – September 9, 2018: Mountain View Art and Wine Festival – Mountain View
- September 8, 2018: SF First Responders Stair Climb – San Francisco
- September 9, 2018: Sunday Streets Western Addition – San Francisco
- September 13, 2018: Healthy Living Festival – Oakland
- September 14, 2018 – September 16, 2018: Eat Real Festival – Oakland
- September 19, 2018: Oracle Commuter Transportation Fair – Pleasanton
- September 22, 2018: Edinburg Play Streets – San Francisco
- September 23, 2018: Viva Calle San Jose – San Jose

### **Spare the Air**

The Spare the Air website is currently being redesigned. Cylogy started front end coding on the homepage and toolbar and will begin secondary page designs when information architecture and content decisions are completed.

This quarter, the late summer media buy ran ads. Staff worked on the winter media buy and planned for surveys with True North.

Prosio ran Spanish radio ads on August 13, 2018 and video ads in Livermore theater on September 7, 2018. Events with Promotion-N-Motion were on August 18, 2018 in Vallejo, August 19, 2018 in Martinez, August 24, 2018 in Napa, August 26, 2018 in Palo Alto, September 8, 2018 in Mountain View and September 9, 2018, in Castro Valley.

### **Public Opinion Surveys**

True North worked on hitting 400 surveys by the end of July 2018; presented Prosio with early results/highlights.

### **Air District Social Media**

The Social Media Plan for the Communications Office underwent final edits and Air District social media guidance document is in development.



Staff continues to run social posts daily including:

- Daily, two-day and five-day air quality forecasts
- Air quality updates
- Updates about County wildfire smoke
- Fourth of July firework safety
- Spare the Air alert
- BAAQMD meteorologist, Dan Alrick's weather updates on Twitter
- Information on Climate Tech Marketplace, boosted post to reach 3,583 users, receive 294 reactions and receive 10 shares.
- Information on SMART Fest
- Online annual report
- Third annual California Adaptation Forum
- Marsh Fire
- Spare the Air Alerts for smog
- Climate Tech Marketplace
- Clean Air Day
- Spare the Air Alerts for smoke
- SF Green Festival
- Grant funding to shuttle/feeder bus
- Climate Friendly Cuisine Conference
- Diesel Free by '33
- Climate Tech Marketplace
- Clean Fleets Incentive program
- Clean Vehicle Assistance Program
- CA Clean Air Day
- Grant funding to shuttle/feeder bus

This season, the most successful social media posts were: Best performing post was Air District's Facebook post about our Smoke Advisory on July 1, 2018, that organically reached 15,532 users, received 42 reactions and was shared 111 times.

In this quarter, follower numbers have increased to 2,328 on Facebook, 4,558 on Twitter, and 1,110 on Instagram.

### **Spare the Air Social Media**

Cylogy ran social media calendar updates with tips to Spare the Air, highlights about events that could be reached by public transportation and daily weather.

## **Winter Spare the Air**

Cylogy is working on Winter Campaign Planning and sent over signed task order. Cylogy working with True North to revise winter survey and will be providing media relations strategy, media mix suggestions and social media strategy.

## **Employer Program Updates**

Air District reviewing task order for Spare the Air Employer Program.

## **Clean Air Plan -- Spare the Air, Cool the Climate**

Staff purchased sparetheairclimate.org URL and the website's content architecture is complete with web team making edits to the website based on input.

## **Videography**

Staff completed UN video assignment for *Diesel Free by '33* event and AB617 working group meeting video.

Finished and posted video about how the Air District calls Spare the Air Alerts as part of "Ask an Expert" video series featuring Dan Alrick.

Staff worked with Innoppl to port Android Spare the Air application on Urban Airship.

## **Global Climate Action Summit Affiliated Event**

Air District's Communications, Planning and Executive Office, worked together to execute the *United Against GHG's – Diesel Free by '33* event. The event drew over 200 attendees, featured a keynote address from Golden State Warriors Head Coach Steve Kerr titled *Leadership Beyond the Court* and closing keynote speaker, Tanya Muller-Garcia, Secretary of the Environment for Mexico City as well as more than 30 speakers and panels throughout the day. The successful event received positive comments on social media from speakers and guests.

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

## **Air Quality**

Staff continued to implement Assembly Bill 617, the Community Health Protection Program with the Kick-off meeting of the West Oakland Action Plan Steering Committee at Oakland City Hall with speakers Mayor Libby Schaff, Port Board President Cestra "Ces" Butler, Councilmember Lynette Gibson McElhaney, Co-Directors of the West Oakland Environmental Indicators Project Ms. Margaret Gordon and Brian Beveridge. Staff also coordinated the September West Oakland Action Plan Steering Committee meeting where members and the public discussed the Steering Committee Charter, anticipated elements of a community action plan, conducted an exercise on air pollution source types within the community, discussed "Citizen Science" methodologies on how to identify and verify air pollution sources within the community, conducted an interactive mapping exercise to locate sources of air pollution within the community. Staff prepared and finalized a draft of the Public Process for Determination of Recommended Communities report, to the California Air

Resources Board (CARB) which identified communities for potential future year action plans and air monitoring plans. Staff met with and provided comments to CARB on their draft Community Air Protection Program Blueprint guidance document. Staff participated in meetings responding to comments from Communities for a Better Environment on the selection process for the communities identified for action plans and air monitoring in Richmond and East Oakland. Staff prepared a presentation on the Community Health Protection Program for the Air Pollution Control Officer to present to the California Council for Environmental and Economic Balance. Staff prepared a draft presentation for the Air District Board of Directors and Advisory Council on the Community Health Protection Program. Staff drafted a letter in response to general comments received from Air District Director Pauline Cutter regarding the Community Health Protection Program.

Staff provided planning and outreach efforts for the Air District's Global Climate Action Summit and Diesel Free by 33 Forum. Staff continued to collect data and conduct background research to advance the Air District's organics recovery strategy and support for local governments. Staff participated in the internal work group meetings for Rules 13-2 (organic material handling) and 13-3 (composting operations). Staff participated in the California Freight Mobility Plan (CFMP) 2019 Focus Group Meeting hosted by Caltrans and in collaboration with California industries, public agencies and stakeholders to consider challenges experienced now and expected in the future by freight industries due to economic and environmental uncertainties. Staff participated in the Metropolitan Transportation Commission's (MTC) Air Quality Taskforce Meeting for the Horizons project and attended MTC's Horizon Webinar – Draft Regional Forecasts for 3 Futures scenarios. Webinar discussions included three proposed “what if” questions to be explored in the Horizon process. MTC staff will look at elements within three futures, (Clean and Green, Rising Tides, Falling Fortunes and Back to the Future), and identify and quantify opportunity and challenges using planning, travel and household models to conduct preliminary regional travel forecasts for each future. Staff continued implementation of the Air District's California Environmental Quality Act (CEQA) Guidelines, including: tracking their use by lead agencies; reviewing air quality analysis in CEQA documents; drafting comment letters for projects; and responding to inquiries from consultants, local governments, and businesses. Staff completed Stationary Source Information Form requests for projects in Belmont, Cupertino, Dublin, El Sobrante, Morgan Hill, Mountain View, Napa, Petaluma, Pleasant Hill, San Carlos, San Jose, and Sunnyvale, Santa Clara and South San Francisco, and San Jose, Napa. Staff provided a CEQA comment letter to the City of Petaluma on the Safeway Fuel Center Project Mitigated Negative Declaration and to the Port of Oakland on the Draft Seaport Air Quality "2020 and Beyond" Plan. Staff continued the update to the Air District's CEQA Guidelines and thresholds of significance, including reviewing and analyzing potential threshold development options, and making edits to the CEQA Guidelines. Staff continued work on the Department of Water Resources' California Water Fix proposed offsite mitigation plan. Staff coordinated two speakers from the Integral Group for a 2018 Breakfast at Beale speaker series: John Andary, senior principal, spoke on the design of deep green buildings i.e., zero net energy and carbon neutrality and Andrea Traber, senior principal spoke about Leadership in Energy and Environmental Design (LEED) and examples of sustainable projects. Staff organized a book presentation with Dr. Manuel Pastor, a Professor of Sociology and American Studies & Ethnicity at the University of Southern California, on his most recent book entitled “State of Resistance: What California's Dizzying Descent and Remarkable Resurgence Mean for America's Future” scheduled for October 5, 2018 at the Bay Area Metro Center.

## **Climate Protection**

**Diesel Free by '33:** On September 12, 2018, the Air District hosted a day-long event called *United Against GHGs: Diesel Free By '33* as part of Governor Jerry Brown's Global Climate Action Summit (GCAS). Over 200 elected officials, local government staff, fleet managers, industry leaders and community organization leaders attended this day-long event to discuss how to eliminate diesel pollution from the Bay Area in the next 15 years. Highlights of the event included keynote discussions between The Commonwealth Club's Greg Dalton and Steve Kerr, Head Coach of the Warriors basketball team and Tanya Muller Garcia, Secretary of the Environment for Mexico City, and a signing ceremony for the *Diesel Free By '33 Statement of Purpose*. Currently, the *Statement of Purpose* has over 130 signatories, committing to moving their communities and businesses toward a diesel-free future. The *Diesel Free By '33 Statement of Purpose* and supporting resources can be found on a special website created for this ongoing effort: <http://dieselfree33.baaqmd.gov/>

**Climate Protection Grants:** Staff began developing and executing contracts for the 17 Climate Protection Grants awarded to local governments last quarter. Nine of these projects will reduce GHG emissions from existing buildings, including single- and multi-family residential buildings, commercial buildings, data centers and community colleges. Additional projects will reduce GHG emissions through innovative use of renewable energy technologies, reducing short-lived "super-GHGs," addressing the embodied carbon in construction and strategic community engagement.

**GHG Measurement and Research:** Staff conducted a study of methane emissions at the Potrero Hills Landfill, using the research van and Ultraportable GHG Analyzer to measure methane and other GHGs at different locations at the landfill. The study was conducted in collaboration with scientists from Cal Poly University. Staff participated in regular meetings of the broader GHG research community, through convenings of CalTech, NASA JPL, the Urban CO<sub>2</sub> Date Synthesis Group and Lawrence Berkeley National Lab. Staff continued to work on the Research Collaboration Project, an effort to develop tools and processes for increasing collaboration across Air District divisions on complex technical initiatives such as the Methane Strategy, GHG Research Program and AB 617.

**Other Activities:** Staff attended 17 different events during the Global Climate Action Summit, with wide-ranging topics, including climate friendly cuisine, super-GHGs, carbon pricing, climate education and the future of zero-carbon planning. Staff finalized a report prepared by contractor KyotoUSA on the viability and GHG benefit of Community Choice Energy providers offering 100% renewable energy as the default enrollment option. Staff attended the CAPCOA Planning Managers Symposium in Monterey, CA. At the Symposium, staff led a discussion on options for CAPCOA to support local governments in developing and implementing local climate action plans. Staff made a presentation, "Climate Change Policy in California" for the incoming members of the Climate Corps program, which provides trained staff to Bay Area public agencies to implement GHG reduction activities. Staff hosted a webinar on public engagement for climate action. Staff continues to issue monthly local government newsletters, sharing information about upcoming climate events or opportunities.

**ASSESSMENT, INVENTORY AND MODELING**  
**P. MARTIEN, ACTING DIRECTOR**

**Community Air Risk Evaluation (CARE) Program**

Staff delivered a presentation on health impacts and sources of diesel particulate matter to the July 19, 2018, Advisory Council meeting. Staff prepared and reviewed support materials for a letter to the California Air Resources Board (CARB) recommending communities for emission reduction programs or community air monitoring programs in years 1-5 as required by Assembly Bill (AB) 617. Staff participated in an internal meeting to develop a framework for grant funding for stationary and mobile sources that will meet the funding requirements specified in Senate Bill (SB) 856. In support of AB 617, staff developed modeling input files for permitted facilities located in West Oakland for detailed modeling analysis that will be performed for the West Oakland community emission reduction program. Staff organized and participated in conference calls with the Port of Oakland and their consultants to discuss the Air District's need for more detailed information about emissions at the Seaport than is provided in the publicly available 2017 Seaport Emissions Inventory Report. In consult with the Air Quality Modeling and Analysis Section and with the Meteorology and Measurements Division, staff developed a modeling plan for community-scale modeling to support the West Oakland Community Emissions Reduction Program (CERP). Air District staff hosted staff from CARB to discuss requirements for a contract they are developing to create a new database to support AB 617 with an integrated emissions inventory, a community air quality measurements storage and web portal, and a technology clearinghouse of best available control technology. Staff reviewed a summary of measurement methods and draft website language for the Richmond mobile air quality mapping project being conducted by CARB and Environmental Defense Fund (EDF). Staff presented an overview of UC Berkeley's BEACO2N (low-cost sensor network) study to the Environmental Justice Coordinator at San Francisco Public Utilities Commission. Staff reviewed and provided comments on the Health Risk Assessment (HRA) performed for a proposed Safeway fuel station in Petaluma, a project originally issued an authority to construct in 2017, but for which community members requested additional review. Staff reviewed and provided comments on the proposed methodology for environmental review of the Phillips 66 Propane Recovery Project.

**Emissions Inventories Program**

Staff reviewed and provided comments on CARB's draft Criteria and Toxics Emissions Reporting Regulation and, with Engineering Division, attended CARB's workshop in Oakland on July 31, 2018, on the draft regulation. Staff submitted 2017 annual criteria and toxic emissions from permitted stationary sources to ARB for all major facilities. Staff updated emissions reporting methods by incorporating sources that are only updated in the New Production System (NPS). Staff developed a contract with Sigma Space Corporation for aircraft wind measurements to support a National Aeronautics and Space Administration (NASA) project to estimate methane emissions within facilities. During September, staff oversaw the execution of this contract and attended daily flight planning and progress meetings during the coordinated deployment of NASA methane remote sensing flights and Sigma Space wind measurement flights to map methane emission plumes over Bay Area facilities. Staff attended a vessel speed reduction award event hosted by the National Oceanic and Atmospheric Administration (NOAA). This event presented awards to 13 global shipping firms for their participation in a voluntary vessel speed reduction initiative, sponsored by NOAA, the Air District, and others, to help to reduce air pollution emissions and protect whales from lethal ship strikes. In partnership with other Divisions, staff

finalized sampling plans to use the Air District’s greenhouse gas (GHG) research van during the Cal State Poly flux chamber study of methane emissions at the Potrero Hills landfill. This study will help improve methane emissions estimates at landfills under different conditions. Staff participated in various events and panel discussions taking place in San Francisco as part of the Global Climate Summit. Staff organized and attended a meeting of the internal Emissions Inventory Special Committee, which is now focused on the definition of “Particulate Matter” in shared emissions databases. Staff fulfilled a public records requests for GHG emissions for the Cities of San Francisco and San Jose.

### **Air Quality Data Analysis and Modeling Program**

Staff continued to participate in Technical Assessment Committee meetings for AB 617. Staff updated regional modeling emissions inventory for 2016 to be consistent with the latest emissions inventory estimates from CARB. Staff continued to evaluate and improve regional fine particulate matter (PM) modeling to support AB 617. Staff continued to analyze observed and simulated PM data to refine estimates of background PM concentrations in West Oakland. Staff designed regional modeling simulations to quantify the contribution of emissions outside of West Oakland to West Oakland’s ambient concentrations. Staff made progress in preparing an air toxics emissions inventory for modeling. Staff made progress in preparing community-scale modeling for West Oakland using Air Dispersion Model (AERMOD). Staff reviewed and analyzed traffic count data collected for West Oakland to support the Air District’s Health Risk Assessment study. Staff developed a Request for Proposals and evaluated proposals submitted to improve the spatial allocation of emissions for use in regional models. Staff continued to improve background ozone estimates. Collaborating with San Jose State University (SJSU), staff continued to evaluate ozone data collected at Half Moon Bay via ozonesondes. Staff continued to collaborate with NASA’s Health and Air Quality Applied Science Team (HAQAST) to investigate the impact of October 2017 wild-fire emissions on Bay Area residents and participated in a meeting organized by HAQAST. Staff updated an analysis of airplane-based methane measurements over Bay Area refineries and selected landfills. Staff continued the evaluation and preparation of meteorological data that conforms with U.S. Environmental Protection Agency’s (EPA) recent updates to their AERMOD. Staff met with Engineering Division staff to discuss emissions estimates from refineries’ heavy liquid streams and met with Metropolitan Transportation Center (MTC) staff to estimate the health benefits of reduced air pollution from vehicle emission reductions. Staff completed several public records requests for meteorological data and a records request from RAMBOLL to support their source apportionment study for CALPINE Corporation. Staff participated in the 2018 EPA Regional/State/Local Modeler’s Workshop via weblink.

<b>COMMUNITY ENGAGEMENT AND POLICY DIVISION</b> <b>E. YURA, DIRECTOR</b>
---

### **Rule Development**

**Particulate Matter Rules: Proposed New Regulation 6, Amended Rule 6-1, and New Rule 6-6:** The Air District’s foundation for particulate matter (PM) control is Regulation 6. This includes basic restrictions on opacity and emissions of total suspended particulate. Some of the essential requirements of this rule haven’t been updated since 1990. Updating Regulation 6, Rule 1 is a necessary first step to ensure we have a solid foundation for upcoming PM rules. In addition to an update of Regulation 6, Rule 1, staff incorporated requirements for fugitive dust control from bulk material storage and handling facilities and established a set of definitions and test methods in new Regulation 6 that will apply for all current and future PM rules. These rules will significantly reduce

PM emissions that contribute to localized problems and regional PM exposure. Staff proposes an additional new rule addressing trackout from construction sites, Rule 6-6: Prohibition of Trackout.

The Regulation 6 regulatory package was published to the Air District's website on April 5, 2018. Staff received several substantive comments, revised the proposals and re-published the package on June 21, 2018. These proposals were adopted at the August 1, 2018 Board Meeting.

**Refinery Rules Settlement Agreement Efforts:** The Air District entered into a settlement agreement on March 24, 2017 that addresses three rules: Rule 6-5: Particulate Emissions from Refinery Fluidized Catalytic Cracking Units, Rule 8-18: Equipment Leaks, and Rule 11-10: Petroleum Refinery Cooling Towers that were approved on December 16, 2015. The Air District entered into second settlement agreement on March 1, 2018, that addresses two rules: Rule 9-14: Petroleum Coke Calcining Operations, and Rule 12-15: Petroleum Refining Emissions Tracking that were approved on April 20, 2016. These five rules comprise the Air District's Refinery Strategy. The Settlement Agreements obligate the Air District to propose amendments to Rules 6-5, 8-18, and 11-10 by November 1, 2018, and propose amendments to Rule 12-15 by December 1, 2018. The Air District's Legal Division recommended conducting an EIR for these rulemaking projects because some of the amendments could be characterized as relaxation of the current rules.

There was enough time to determine emissions impacts, complete amendments, conduct workshops, and develop a Draft Environmental Impact Report (DEIR) for each of the rule projects with the exception of Rule 8-18. The Air District and the five refineries are currently conducting a "Heavy Liquids Study" to obtain better information on heavy liquid leak rates and to develop appropriate emission factors. The study is expected to reach completion by the end of 2018 and the subsequent report is expected by spring 2019. The results of the Heavy Liquids Study impact the amendments required for Rule 12-15 as interim emission factors are currently included in the settlement agreement for Rule 12-15. Amendments to Rule 12-15 will reference final emissions factors for Heavy Liquid fugitive leaks that would be incorporated into the amendments to Rule 8-18.

The lawsuits that challenged these rules were based on these rules being all one project, and therefore the CEQA analysis should have considered these rules as one project. Any DEIR required for amendments to these rules will most likely be structured to consider the amendments to each rule as individual projects. The DEIR will include a cumulative impacts analysis addressing, among other things, the cumulative impacts of all of these three rules. There is not enough time to determine emissions impacts, complete Rule 8-18 and develop a DEIR by November 1, 2018. The cumulative impacts analysis will be updated when Rule 8-18 is proposed for revisions as anticipated in the second half of 2019. Staff has completed amendments and DEIR for Rule 6-5, Rule 11-10, and Rule 12-15 and working with litigants to potentially extend the deadline for amendments to Rule 8-18 as needed. As the Heavy Liquid Study and subsequent report near completion, a more realistic completion date for proposed rule amendments and CEQA analysis will be determined.

Staff will publish the proposed amendments to Rule 6-5, Rule 11-10, and Rule 12-15 along with a staff report and DEIR in late October 2018. The public hearing for these regulatory changes will be held at the Air District headquarters on December 19, 2018.

**Organic Materials Handling and Compost Rules:** 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.

Staff is developing two rules that will improve tracking of organic waste and minimize emissions of methane, VOCs and odor-causing compounds while providing best management practices and control requirements for composting operations. Draft Rule 13-2: Organic Material Handling will address emissions from all operations handling organic waste material, and draft Rule 13-3: Composting Operations will address emissions from facilities that actively produce compost. The rules will improve the accuracy of emissions inventory for this source category, strengthen compliance and enforcement to prevent excess emissions and odors, and ensure consistency in permitting of these facilities.

Staff will introduce a concept paper to the public through four workshops scheduled for early November 2018 in conjunction with the Regulation 13, Rule 13-2, Rule 13-3, Rule 13-4 and Rule 8-34 projects. Draft rules and a workshop paper are anticipated to be shared with the public in a series of workshops in the First Quarter of 2019, with a final staff report and proposed rules presented to the Board for approval in the Third Quarter of 2019.

**Regulation 13: Climate Pollutants:** Staff is developing a regulation that will serve as a repository of terms and methods for source and sector specific rules on climate pollutant emissions. Regulation 13: Climate Pollutants would establish, where necessary, uniform definitions, administrative requirements, monitoring and recordkeeping requirements, and test methods that apply to regulating emissions of climate pollutants within the Air District's jurisdiction. Regulation 13 would provide a foundation from which industry- 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.

Staff will introduce the concepts of Regulation 13 to the public during joint workshops on November 1, 2018, November 5, 2018, November 7, 2018 and November 8, 2018, alongside draft Rules 13-1: Significant Methane Releases; 13-2: Organic Material Handling; 13-3: Composting Operations; 13-4: Waste Water Treatment Operations; and 8-34: Solid Waste Disposal Sites.

**Rule 13-1: Significant Methane Releases:** The Air District is developing a new rule, Regulation 13, Rule 1, to address significant methane releases throughout the Bay Area. This rule would ensure that methane emissions are minimized should a catastrophic failure of equipment result in the release of methane gas on a large scale. Rule 13-1 is the first rule of the Air District's Basin-Wide Methane Strategy. Draft Rule 13-1 would address very large methane releases similar to the Aliso Canyon leak and other smaller (but also significant) methane releases. Draft Rule 13-1 addresses methane releases over 10,000 parts per million (ppm) at any Bay Area source. In order to focus on large methane releases, the draft Rule also includes a provision to exempt low-volume (but high concentration) methane releases; such releases are defined as those that are above 10,000 ppm but with mass emissions below 10 pounds per day. Workshops are scheduled between, November 1, 2018 through November 8, 2018. We expect to bring the proposed rule to the board for adoption during the first half of 2019.

**AB 617 BARCT Schedule Development:** Assembly Bill 617 (AB 617), approved July 26, 2017, amends California Health and Safety Code section 40920.6 and requires each air district that is a nonattainment area for one or more air pollutants to adopt an expedited schedule by January 1, 2019 for implementation of best available retrofit control technology (BARCT) by the earliest



feasible date, but no later than December 31, 2023. This requirement applies to each industrial source subject to California Greenhouse Gas (GHG) Cap-and-Trade requirements. The schedule must give priority to any sources that have not had emissions limits modified for the greatest period of time. The schedule does not apply to sources that have implemented BARCT since 2007.

The overall purpose of BARCT implementation is to reduce criteria pollutant emissions from significant industrial sources that currently participate in the GHG Cap-and-Trade system. The Cap-and-Trade system is designed to address and limit GHG emissions and allows sources to comply with Cap-and-Trade limits by either reducing emissions at the source or purchasing GHG emission allowances. Emissions of criteria pollutants and toxic air contaminants are often associated with GHG emissions, and these criteria pollutants and toxic air contaminants may impact local communities that are already suffering a disproportionate burden from air pollution. The proposed Expedited BARCT Implementation Schedule includes six potential rule development projects to address emissions from organic liquid storage tanks, petroleum wastewater treating, Portland Cement Manufacturing, refinery fluid catalytic crackers and CO boilers, refinery heavy liquid leaks, and petroleum coke calcining.

Staff published a concept paper in May 2018 and initial staff report in September 2018. Staff solicited public comments on these documents and provided updates on the development of the schedule to the Stationary Source Committee in May 2018 and to the Board of Directors in September 2018. Staff also met with Bay Area refiners on, June 6, 2018 and June 29, 2018 to discuss the potential BARCT rule development efforts. Staff evaluated input from these sources and continued coordination efforts with CARB and other air districts to further develop the schedule. Staff published the proposed Expedited BARCT Implementation Schedule and staff report on October 23, 2018 and is accepting public comments until December 7, 2018.

Implementation of the BARCT Schedule may result in the installation of a number of air pollution control systems and equipment at the affected facilities, which may result in potentially significant environmental impacts. Staff published a CEQA Notice of Preparation/Initial Study for the BARCT Schedule on August 7, 2018, and a scoping meeting was held on August 24, 2018, where attendance and public comments were minimal. A Draft EIR and Notice of Completion/Availability was posted on the Air District Website on October 23, 2018 along with the proposed schedule and staff report, and staff is accepting public comments until December 7, 2018. The Draft EIR identifies potentially significant impacts on air quality from short-term emissions associated with the construction of air pollution control equipment, and potentially significant impacts on water demand from water usage associated with the operation of air pollution control equipment.

The public hearing to consider adoption of the schedule and certification of the EIR is scheduled for the Air District Board of Directors meeting on December 19, 2018.

### **Outreach and Engagement Programs**

During this quarter, community engagement staff made approximately 40 presentations, and engaged approximately 25 visitors and two Air District Tours/Group Visits. Below is a listing of meetings and events in which the community engagement team participated/coordinated/facilitated.

### *Spare the Air Youth*

- **Tuesday, August 28, 2018 – Spare the Air Youth High School Grant Kick Off Meeting:** Air District and MTC staff convened a grantee meeting of the Spare the Air Youth High School Grant Program. Grantees provided an overview of their project and MTC reviewed grant cycle protocol.
- **Tuesday, August 21, 2018 – Spare the Air Youth Technical Advisory Committee Meeting:** Staff attended the Spare the Air Youth Technical Advisory Committee (STAY TAC) meeting to lead TAC members through a youth strategy discussion breakout session. TAC members also received an update on ATP grants, youth statewide updates and shared back to school updates.
- **Tuesday, July 24, 2018 – Spare the Air Presentation:** Staff presented basic air quality and Spare the Air program information to elementary students at Starlite Academy's summer camp in Oakland. Approximately 55 students attended the presentation.
- **Wednesday, July 11, 2018 – Meeting with Alameda County Transportation Commission:** Staff met with Leslie Lara-Enriquez, Alameda County Safe Routes to School Program Manager, to discuss expanding the Air District's youth engagement efforts.

### *Spare the Air Resource Teams*

- **Friday, September 28, 2018 – Napa County Clean Air Coalition Meeting:** Staff attended the Napa Resource Team Meeting at the Napa Transportation Authority and provided an Air District update. Team members were interested in learning more about granting opportunities for testing out electric agricultural equipment – Napa Valley Grape Growers tested one out recently for hauling grapes, but it ran out of battery. Members spent a lot of time discussing ways to increase carpooling with larger employers – one option is through a new app called RideAmigos.
- **Thursday, September 27, 2018 – Southern Alameda County Spare the Air Resource Team Meeting:** Staff attended to Southern Alameda County Resource Team Meeting and provided an Air District update. Team members spent time discussing their Idle Free Bay Area project and brainstorming ideas for new projects.
- **Wednesday, September 19, 2018 – Tri-Valley Spare the Air Resource Team Meeting:** Staff attended to Southern Alameda County Resource Team Meeting and provided an Air District update. Team members spent time discussing progress made on their update of their Idle Free Tri-Valley Website Toolkits as well as continued planning for their Clean Air Commute Solutions Mobile Conference at The Hacienda.
- **Friday, August 31, 2018 – Sonoma County Spare the Air Resource Team Meeting:** Staff attended the Sonoma County Resource Team Meeting and provided an Air District update. Team members received an update on a new Sonoma Emergency Ride Home Program and the Idle Free project, provided feedback on drafts of the new Go Sonoma website and discussed logistics for their upcoming employer commute outreach project.
- **Tuesday, August 28, 2018 – Safe Routes 2 School Meeting at TAM:** Staff attended the kick-off meeting for the Elementary School SR2S task forces. Project ideas that the Marin County Resource Team can partner on are Park and Walk and Car-free Campuses.

- **Tuesday, August 21, 2018 – San Mateo County Spare the Air Resource Team Meeting:** Staff attended the San Mateo County Resource Team meeting at Commute.org’s offices in South San Francisco and provided an Air District update. The team reviewed their Active Trips Incentive project, debriefed on their Fair Value Commuting luncheon and discussed new project ideas and potential new team members.
- **Thursday, August 16, 2018 – Contra Costa County Resource Team Meeting:** Staff attended to CoCo Resource Team Meeting. Staff presented the Air District update and answered questions about AB 617 with interest in Pittsburg and Bay Point. Both the Community Focus and Air District staff were new to this team so most of the time was spent reviewing past work and reviewing new requirements from the Air District – e.g., action plan template. It seems like building on Idle Free will be the focus of the team.
- **Wednesday, August 15, 2018 – San Francisco County Spare the Air Resource Team Meeting:** Staff attended the San Francisco County Spare the Air Resource Team meeting in the new Salesforce building and provided an update about recent Air District activities. The team brainstormed new project ideas around employer engagement and the possibility of promoting carpooling, shuttles and bicycling to work.
- **Monday, August 13, 2018 – Outreach for Marin County Spare the Air Resource Team:** Staff joined a meeting with staff from Marin County Bike Coalition and Safe Routes 2 School to discuss how a Resource Team could benefit ongoing work in Marin. The key project idea that emerged is Park and Walk policies to elevate idling and congestion around schools.
- **Wednesday, July 25, 2018 – Southern Alameda Spare the Air Resource Team Meeting:** Staff attended the Southern Alameda Resource Team meeting in Fremont to provide an update about recent Air District activities.
- **Wednesday, July 25, 2018 – Tri-Valley Spare the Air Resource Team Meeting:** Staff attended the Tri-Valley Resource Team meeting in Pleasanton to provide an update about recent Air District activities. The team began planning discussions on the Hacienda Clean Air Commute Solutions event scheduled for October 2018.
- **Friday, July 20, 2018 – Napa Clean Air Coalition Meeting:** Staff attended the Napa Clean Air Coalition (Resource Team) meeting in Napa to provide an update about recent Air District activities – for example, Diesel Free by ‘33 and Strategic Incentives Division (SID) grant opportunities. Team discussed new project ideas for the fiscal year.
- **Wednesday, July 11, 2018 – Women’s Climate Justice Alliance Presentation:** Staff provided an update about the Air District’s current efforts with community engagement, health equity and AB 617.

*Community Meetings, Workshops, Site Visits, and AB 617 Implementation*

- **Weekly, Thursday mornings – AB 617 West Oakland Co-Lead Weekly Meeting:** Staff attended this weekly meeting between Air District staff and the West Oakland Environment Indicators Project (WOEIP) to discuss next steps for the AB 617 West Oakland Steering Committee meetings.

- **Friday, September 21, 2018 – GARE Presentation to BARC Governing Board:** Staff presented with other members of the BARC Racial Equity Team and GARE staff to the BARC Governing Board. The presentation included BARC Team’s Racial Equity Framework, high-level goals and example actions and strategies to achieve the goals.
- **Thursday, September 20, 2018 – Bay View Hunters Point EJ Task Force:** Staff attended this monthly meeting where community residents, agencies and CBOs come together to identify and solve community concerns. Complaints, community air monitoring projects, and a future toxics tour for agencies were discussed.
- **Thursday, September 20, 2018 – Council of Industries Bay Tour (Richmond):** Staff participated in this tour around the Richmond Bay Area to further relationships and contacts for ongoing AB 617 implementation work in Richmond.
- **Monday, September 17, 2018 – Community Grant Meeting with Sequoia:** Representatives from the Sequoia Foundation (GRANTEE), Magnitude.io and the San Leandro Unified School District that comprise the education-technology partnership met with Air District staff to present program summary and discuss lessons learned and next steps for phase two of GRANTEE’s Community Science Grant.
- **Monday, September 17, 2018 – Meeting with Greenaction (Bradley Angel):** Staff met with Bradley Angel to discuss progress on their 2017-2018 Air District Community Grant and progress with this fiscal year’s grant contract process.
- **Thursday, September 13, 2018 – Outreach with East Oakland constituents:** Staff is developing a profile of Community Groups in East Oakland. Staff is meeting with various groups in East Oakland.
- **Wednesday, September 12, 2018 – Friday, September 14, 2018 – Air Sensors International Conference:** Staff attended the Air Sensors International Conference in Oakland. Conference topics ranged from data analytics to citizen and community science to various sensing equipment.
- **Wednesday, September 12, 2018 – Diesel Free by 33 Conference:** The Air District hosted a signing ceremony for mayors, city and county government officials, and leaders of industry and business from all over the world who commit to going diesel free by signing the Statement of Purpose to cut diesel use to zero by 2033. The signing ceremony is part of a day-long conference “United Against GHGs - Diesel Free by ’33,” an affiliate event of the Governor’s Climate Action Summit. Staff assisted with conference logistics.
- **Tuesday, September 11, 2018 – Climate Friendly Cuisine Conference:** Staff attended Acterra’s Climate Friendly Cuisine Conference hosted at LinkedIn. Panel topics included an overview of plant-forward diets, choosing the right ingredients and discussing food waste solutions.
- **Monday, September 10, 2018 – Brookfield Elementary School Vegetative Barrier Project:** Staff met with Regional 9 E.P.A. and Higher Ground (a nonprofit) that is managing the maintenance of the vegetation and outreach of the site.
- **Thursday, September 6, 2018 – High Speed Rail Authority and EJ Outreach Meeting:** Staff met with outreach contractors helping the High-Speed Rail Authority to meet environmental justice goals. They wanted to learn from our experience.
- **Tuesday, September 4, 2018 – BARC Executive Directors Meeting:** Staff co-presented GARE framework and action plans to BARC Executive Directors.

- **Saturday, September 1, 2018 – Millbrae Art & Wine Festival:** Staff tabled at the Millbrae Art & Wine Festival. Staff provided informational materials and answered questions about the Air District and the Spare the Air program. Approximately 300 attendees visited the Air District booth.
- **Friday, August 24, 2018 - CEQA NOP/IS for AB 617 Expedited BARCT Implementation Schedule:** Staff provided support at the CEQA Scoping Meeting for AB 617 Expedited Best Available Retrofit Control Technology (BARCT) Implementation Schedule hosted by the Office of Rule Development and Strategic Policy.
- **Tuesday, August 21, 2018 – GARE Presentation to BARC Deputies and Planning Directors:** Staff presented the BARC Racial Equity Team’s proposed framework. Goals and objectives to the BARC deputies and planning directors.
- **Tuesday, August 21, 2018 – EJ Roundtable with State Lands Commission:** Staff attended an EJ Roundtable in Martinez. State Lands Commission presented their EJ Policy and led a discussion with community to hear their thoughts on the policy.
- **Monday, August 20, 2018 - CEQA NOP/IS for Amendments to Refinery Rules (Rule 6-5, Rule 11-10, Rule 12-15):** Staff provided support at the CEQA Scoping Meeting for Amendments to Refinery Rules hosted by the Office of Rule Development and Strategic Policy.
- **Friday, August 17, 2018 – Greenlining Institute Academy Graduation:** Staff attended the annual Greenlining Institute’s graduation ceremony for Summer and Policy Associates.
- **Saturday, August 11, 2018 – East Palo Alto’s Blockfest:** Staff attended the East Palo Alto Blockfest, hosted by Ecumenical Hunger Program. Staff provided informational materials and answered questions about the Air District and Spare the Air program.
- **Thursday, August 9, 2018 – Alameda County Public Health Department/AB 617 Briefing:** Staff attended a meeting to inform the interim ACPHD director about AB 617 efforts.
- **Thursday, August 9, 2018 – Mt. Diablo High School Site Visit:** Staff visited a very progressive food service and environmental education program at Mt. Diablo High School in Concord, led by Cindy Gershen. This ties with the Air District’s sponsorship of a climate-friendly cuisine conference in September.
- **Tuesday, August 7, 2018 – Call with PSE:** Staff joined a call with PSE to learn about their CARB grant in the Richmond areas and possible opportunities to collaborate
- **Tuesday, August 7, 2018 – AB 617 Outreach in Richmond:**
  - Staff attended the North Richmond MAC meeting to briefly share AB 617 and begin making contacts
  - Staff attended National Night Richmond
  - Staff attended RYSE Night Out for Safety event
- **Thursday, August 2, 2018 – San Leandro Creek Grant Meeting:** Staff attended a meeting regarding a grant where the Air District plays a community engagement role in the San Leandro creek area of Oakland.
- **Thursday, August 2, 2018 – East Bay Community Fund Meeting:** Staff attended a TCC East Oakland Coalition fund raising meeting at the EBCF building.

- **Wednesday, August 1, 2018 – AB 617 Richmond Outreach:** Staff attended an event where many Richmond community-based organizations were expected to participate. This was an opportunity for staff to connect with organizations ahead of AB 617 efforts in the city of Richmond.
- **Tuesday, July 31, 2018 – Tour of Air Monitoring Station:** Staff arranged an educational tour and overview presentation of one of the Air District’s air monitoring station for all the summer interns at the Air District. Air Monitoring staff also provided air quality information to the interns.
- **Friday, July 27, 2018 – West Oakland Steering Committee Kickoff:** The Air District, in partnership with the West Oakland Environmental Indicators Project, held the first steering committee meeting to develop a community action plan to improve air quality and public health in West Oakland. The City of Oakland, the Port of Oakland and stakeholders from the West Oakland community participated in this effort.
- **Thursday, July 26, 2018 – Tour of United Maintenance Facility:** Staff arranged an educational tour and overview presentation of one of the Air District’s stationary source for all the summer interns at the Air District. Compliance and Enforcement staff also provided air quality information to the interns.
- **Tuesday, July 24, 2018 – Cleveland Division of Air Quality, Outreach Team:** Staff had a phone meeting with staff from the newly-created outreach team at the Cleveland Division of Air Quality to share what we do, and help them with current plans for launching their outreach efforts.
- **Tuesday, July 24, 2018 – 350 Bay Area “Electrify Everything Campaign”:** Staff met with a representative of 350 Bay Area to discuss the group’s new “Electrify Everything Campaign” and how the group can support Air District efforts in this same direction.
- **Friday, July 20, 2018 – BARHII Member Meeting:** Staff joined the Bay Area Health Inequities Initiative meeting and training via zoom meeting. The Objectives for this meeting were to: Review BARHII workforce assessment completed with San Francisco State; Identify hiring and promotion strategies to advance racial equity within Local Health Departments; and Explore how to reduce internal occupational barriers for people of color.
- **Thursday, July 19, 2018 – Health in All Policies, State Task Force Coordinator Meeting:** Staff had a phone meeting with Lyanne Dillon, the coordinator of the State Health in All Policies Task Force to discuss the possibility of mutually sharing information about community engagement, and opportunities to include health more comprehensively in agency policies.
- **Wednesday, July 18, 2018 – RFQ Pre-Bidders Conference for Community-led Sensing Program:** Staff convened and participated in a pre-bidders conference for development and operation of a program for community-based participatory research with low-cost sensors.
- **Wednesday, July 18, 2018 – Air Quality Lab Tour & Presentation:** Staff arranged an educational tour and overview presentation of the Air District’s lab for all the summer interns at the Air District.

- **Friday, July 13, 2018 – Human-centered Community Engagement Training:** Staff attended a community engagement training hosted by Civic Makers in San Francisco. The training focused on integrating the end user as central to any successful public process as well as including design thinking and planning in the execution of any community engagement strategy.
- **Friday, July 13, 2018 - Air District Tour & Presentation:** Staff arranged an educational tour and overview presentation of the lab and meteorology room for a group of youth from the Bay View Hunters Point neighborhood working on one of our community grants.
- **Thursday, July 12, 2018 – GARE Half Day Training:** Staff attended a half day training on Making and Measuring Impact. Staff also participated in a BARC Racial Equity Steering Committee meeting to continue strategic planning.
- **Wednesday, July 11, 2018 – Leveling the Playing Field Meeting:** Staff participated in a meeting convened by BARC to identify opportunities for cross-agency coordinated work in Bay Area Communities impacted by inequities. Meetings will recur every month.
- **Tuesday, July 10, 2018 – City of Hayward City Council Meeting:** The City of Hayward adopted an Idle-Free Proclamation and staff was there to accept it on behalf of the Air District.
- **Monday, July 9, 2018 and Thursday, July 12, 2018 – Request for Qualifications (RFQ) Pre-Bidders Conference for Community Air Monitoring Plan in the Richmond-San Pablo Area:** Staff convened and facilitated two pre-bidders conferences for stakeholder engagement related to the AB 617 Monitoring Plan in Richmond.
- **Monday, July 9, 2018 – CARB Public Workshops for the Community Air Protection Program (Program) and Study of Neighborhood Air near Petroleum Sources (SNAPS):** Staff attended a two-hour workshop in Richmond to learn about and discuss the “Draft Community Air Protection Blueprint” and the SNAPS Project.
- **Friday, July 6, 2018 – Meeting with Teatro Vision:** Staff met with Leigh Henderson, Managing Director, to learn more about the community-based model of organizing and theatre that the organization successfully uses for the past 30 years.
- **Friday, July 6, 2018 – Meeting with Latinos United for a New America (LUNA):** Staff met with Chava Bustamante, Executive Director, to learn more about the community-based model of civic engagement and mobilization in East San Jose.
- **Friday, July 6, 2018 – Meeting with Hispanic Foundation of Silicon Valley:** Staff met with Lisa Anna Dominguez, Education Programs Manager, to learn more about the community education efforts currently underway in East San Jose. Future educational training for teachers in air quality is a topic that the Air District can hopefully assist with.

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

**Summary of Open Grant Funding Programs:**

- **Residential Wood Smoke Reduction Incentive Program:** Provides funding to eligible homeowners to help offset a portion of the cost to replace older, more highly polluting fireplaces and wood-burning stoves with qualifying cleaner heating devices, including electric heat pumps and natural gas or propane heating stoves and inserts. Funding is also

available to help homeowners decommission their existing wood-burning devices. Currently, funding is limited to homes located in [eligible areas](#). [www.baaqmd.gov/woodsmokegrant](http://www.baaqmd.gov/woodsmokegrant)

- **Vehicle Buyback Program:** The Vehicle Buy Back Program pays Bay Area residents \$1,000 to turn in their operable, registered, vehicle (model years 1996 and older) for scrapping. [www.baaqmd.gov/vbb](http://www.baaqmd.gov/vbb)
- **Community Health Protection Grant Program:** The Air District is offering \$50 million in grant funds to reduce toxic air emissions and ozone-forming pollutants from older, polluting diesel engines through the Community Health Protection Grant Program. For the initial year of this program, the Air District is accepting applications for projects that reduce emissions in communities along the 80/880 freeways from Hayward to Richmond, and from Vallejo to Pittsburg. Community input will play an important role by informing the Air District's project outreach and project identification processes. Applications are being accepted now and funds will be awarded to owners of eligible equipment and vehicles by June 2019. [www.baaqmd.gov/ab617grants](http://www.baaqmd.gov/ab617grants)
- **Carl Moyer Program:** More than \$10 million is available for projects to 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. [www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer)
- **Lower-Emission School Bus Program:** Funding is available for public school districts, JPAs, and contracted fleets in the Bay Area for bus replacement, engine repower or electric conversion, natural gas tank replacement, and electric charging & alternative fueling infrastructure projects. Applications are being accepted on a first-come, first served basis. [www.baaqmd.gov/lesbp](http://www.baaqmd.gov/lesbp)
- **Pilot Trip Reduction Program:** Up to \$7 million is available on a competitive basis for public agencies to pilot new, innovative, and replicable micro-transit and mobility on-demand projects that reduce commute-hour, single occupancy vehicle trips. Funding is limited to projects that are conducted in [Priority Development Areas](#) and Air District designated [highly impacted areas](#). The solicitation for this Program will open this fiscal year. [www.baaqmd.gov/ptr](http://www.baaqmd.gov/ptr)

### **Carl Moyer Program (CMP) & School Bus Program**

- **July 9, 2018:** Staff sent annual reports to CMP and VIP (Voucher Incentive Program) grantees.
- **June 27, 2018 - July 10, 2018:** Staff sent out postcards, mailers, vendor e-mails, and a general e-mail blast to CMP stakeholders announcing the start of the Year 20 solicitation.
- **July 9, 2018:** Staff conducted outreach with CARB and community members at the Study of Neighborhood Air near Petroleum Sources (SNAPS) AB617 public meeting in Richmond.
- **July 13, 2018:** Air District executed a grant agreement with CARB for \$1,990,800 to administer the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program.
- **July 16, 2018:** Staff conducted outreach to the Port of Oakland trucking and warehousing community, Trucker Working Group, at Port of Oakland.



- **July 26, 2018:** Staff tested and deployed an updated online project application system.
- **July 26, 2018:** Staff submitted the signed grant agreement amendment to CARB for AB134 funding.
- **August 1, 2018:** Staff submitted an Ad-Hoc request to the DMV to obtain data in the Bay Area to support the operation of the Vehicle Buyback Program.
- **August 14, 2018:** Staff met with representatives from BYD Motors Inc. to discuss possible grant opportunities.
- **August 23, 2018:** Staff submitted the Air District's CMP yearly report to CARB.
- **August 24, 2018:** Staff secured billboard advertisements in Hayward, Oakland, and Emeryville, along 880, for the CMP/Community Health Protection Grant Program.
- **September 15, 2018:** Staff received a signed EPA grant award contract for \$1,160,311 in FY2018 DERA (Diesel Emissions Reduction Act) funding to support a non-road equipment project in Richmond and Hayward.
- **September 20, 2018:** Staff received a grant repayment of \$168,953.98 from City and County of San Francisco for failing to meet CMP grant agreement requirements for their marine engine repower project.

#### **Meetings attended and/or hosted**

- **July 9, 2018:** Participated in a discussion about an opportunity for a project with Caltrans.
- **July 11, 2018:** Participated in CARB Moyer beta-testing workshop call for a CARB on-road public grant calculator.
- **July 13, 2018:** Attended the CARB and OEHHA (Office of Environmental Health Hazard Assessment) webinar on *Framework for Incorporating Health Analysis into the Climate Change Scoping Plan*.
- **July 18, 2018:** Participated in a CARB conference call on the statewide data reporting system (CARL) and yearly reporting.
- **July 26, 2018:** Attended a CALSTART Clean School Bus webinar.
- **August 2, 2018:** Held a conference call with CARB Lower-Emission School Bus Program (LESP) staff regarding broadening replacement vehicle fuel options.
- **August 8, 2018:** Participated in a statewide CAPCOA (California Association of Air Pollution Control Officers) Grants Committee teleconference.
- **August 16, 2018:** Attended a CARB meeting regarding lawn and garden projects.
- **August 22, 2018:** Attended a meeting hosted by Richmond Pacific Railroad and KLW.
- **August 23, 2018:** Attended a webinar on the CARB CARL reporting database.
- **August 28, 2018:** Participated in a discussion with Water Emergency Transportation Authority (WETA) and Blue and Gold Fleet representatives on strategic planning for future Bay Area ferry engine and vessel upgrades.
- **September 6, 2018:** Participated in a Port of Oakland grants and application assistance workshop.

- **September 12, 2018:** Attended a CAPCOA grants committee meeting.
- **September 13, 2018:** Attended the Climate Clean Tech Marketplace, San Francisco.
- **September 25, 2018:** Attended the CARB CARL fiscal tracking webinar.
- **September 26, 2018:** Attended a meeting and presentation by the Contra Costa County Resource Conservation District.
- **September 26, 2018:** Attended a meeting on the Port of Oakland's *Seaport Air Quality 2020 and Beyond Plan*.
- **September 27, 2018:** Attended a meeting at the San Francisco Department of the Environment.

### **Goods Movement Program (GMP)**

- **July 11, 2018:** Staff received notice that EPA awarded the Air District with \$1,160,311 in FY2018 DERA funding for a project to replace six non-road diesel material handlers with one zero-emission electric unit and five Tier 4 Final diesel units operating in Richmond and Hayward.
- **July 17, 2018:** Staff submitted quarterly DERA reports to EPA for two existing locomotive grant awards.
- **July 24, 2018:** Staff submitted quarterly reports to CARB for active Program grant awards.
- **August 15, 2018:** Staff submitted a reimbursement claim to EPA for \$11,814 in DERA administrative funding.

### **Transportation Fund for Clean Air (TFCA)**

- Trip Reduction Programs
  - ***Pilot Trip Reduction Grant Program:***
    - **August 16, 2018:** Staff met with representatives from Hytch for an introduction of their product to incentive ridesharing.
    - **August 6, 2018:** Staff hosted a conference call with Uber and Lyft to discuss the Program.
  - ***Shared Autonomous Vehicle (SAV) Project:***
    - **July 12, 2018, August 9, 2018, and September 13, 2018:** Staff met with project partners to discuss progress with the Project in Contra Costa and Alameda counties.
    - **August 20, 2018:** Staff held a conference call with Livermore Amador Valley Transit Authority (LAVTA) staff to discuss SAV testing in Dublin.

- ***Existing Shuttle and Ridesharing Program:***
  - **October 30, 2018:** Staff issued a Call for Projects on, August 1, 2018, for up to \$4 million available in FYE 2019 Program funding. Solicitation closed on, September 17, 2018, with nine applications received requesting approximately \$3.8 million in TFCA funding. Six of the nine applications received have been recommended for a total award of \$1,961,800 in TFCA funds, two are recommended for rejection, and one application is under review.
  - **August 8, 2018:** Staff hosted a conference call with previous project sponsors of the Program to discuss changes to the FYE 2019 Program.
  - **August 14, 2018 and August 27, 2018:** Staff hosted two pre-application workshop webinars for the FYE 2019 Program to discuss program requirements and the application process.
- ***Active Transportation:***
  - **September 28, 2018:** Staff hosted a conference call with a Community Focus representative to discuss funding opportunities for bicycle facilities.
- **TFCA County Program Manager (CPM) Fund**
  - **August 8, 2018 and August 13, 2018:** Staff hosted a workgroup meeting with staff from the nine Bay Area congestion management agencies to discuss proposed updates to FYE 2020 CPM Fund Policies and to discuss key principles to the Pilot Trip Reduction Program.
  - **July 27, 2018 and September 28, 2018:** Staff attended Bay Area County Transportation Agency Directors' monthly meetings to provide updates on the Air District's grant programs, San Rafael.
- **TFCA Audit #19 – August 24, 2018:** Staff hosted a conference call with auditors from Simpson and Simpson to discuss the status of TFCA Audit #19.

### **Other Programs & Special Projects**

- **September 25, 2018 - AC Transit Hydrogen Fuel Cell Bus Project:** Staff met with partners to discuss progress, 9/25.
- **Goodwill Electric Truck Project**
  - **October 30, 2018:** All 11 vehicles have been delivered to Goodwill.
  - **July 11, 2018. July 25, 2018, August 8, 2018, August 22, 2018, September 5, 2018, and September 19, 2018:** Staff held bi-weekly meetings with the Project team to discuss progress on the Project.
  - **September 18, 2018:** Staff met with the Project team at the Climate Tech Marketplace in San Francisco to discuss progress on the Project.

- **West Oakland Zero-Emission Grant Program**
  - **September 12, 2018 and September 24, 2018:** Staff hosted the second and third pre-application webinar to discuss the Program’s requirements and application process.
  - **September 4, 2018:** Staff hosted a conference call with Envoy to discuss funding opportunities and their application to deploy 48 electric vehicles in and around West Oakland.
  - **September 18, 2018:** Solicitation closed on July 31, 2018. 10 applications were received requesting approximately \$1.3 million in funding. Staff recommended three projects for awards.
- **Wood Smoke Reduction Incentive Program**
  - **October 30, 2018:** Staff launched the Program for Winter 2017/2018 on January 16, 2018. A total of \$800,000 is available for residents located in CARE and High Wood Smoke Areas. 906 applications were received between, June 16, 2018 – October 30, 2018. A total of \$547,337 in funding has been encumbered. To date, 117 projects have been closed out and paid, 206 are active and in progress, and 17 are under review. A total of 566 projects have been withdrawn by the applicant or rejected by the Air District due to not meeting program requirements.
  - **July 17, 2018:** Staff held a teleconference with Trinity to discuss improvements to the Program’s management CRM system.
- **Zero-Emission Hydrogen Ferry Demonstration Project**
  - **July 25, 2018:** Staff submitted Progress Report #1 to CARB for the Project.
  - **July 19, 2018, August 16, 2018, and September 20, 2018:** Hosted monthly meetings with project partners to discuss Project progress.
  - **August 23, 2018:** Attended a webinar on hydrogen fuel cell maritime studies led by Sandia National Laboratories and Golden Gate Zero Emission Marine.

### **Grants Development**

- **Volkswagen (VW) Environmental Mitigation Trust Fund**
  - **August 7, 2018, August 15, 2018, August 29, 2018, August 30, 2018, September 5, 2018, September 7, 2018, September 13, 2018, September 18, 2018, and September 21, 2018:** Hosted conference calls with South Coast and San Joaquin Valley air districts staff to discuss the implementation of the VW Environmental Mitigation Trust Beneficiary Mitigation Plan.
  - **August 20, 2018 – August 22, 2018:** Attended a VW Mitigation Trust Implementation Coordination Meeting with CARB, South Coast and San Joaquin Valley air districts, Monterey.
  - **September 17, 2018:** Staff hosted a conference call with CARB, CEC (California Energy Commission) and the Governor’s Office of Business and Economic Development (GO-Biz) to discuss collaboration on hydrogen refueling and electric vehicle charging infrastructure components of the VW Program.

- **September 25, 2018 – September 26, 2018:** Staff attended a VW Mitigation Trust Implementation Coordination Meeting with CARB, South Coast and San Joaquin Valley air districts in Ventura.

### **Other Outreach and Meetings**

- **July 5, 2018 – July 6, 2018:** Staff presented *Controlling VOC Emissions from Petroleum Refinery Operations in the San Francisco Bay Area* at the 2018 Beijing International Forum for Metropolitan Clean Air Actions in Beijing, China.
- **July 10, 2018:** Staff met with a Volvo representation for an update on its construction equipment technology and potential projects in the Bay Area.
- **July 11, 2018:** Staff attended the Funders Forum meeting hosted by CALSTART in Sacramento to discuss the coordination on zero-emission funding programs throughout California.
- **August 6, 2018:** Staff participated in the monthly update conference call on implementation-level hydrogen activities with CARB, CEC, City and County of San Francisco, Department of Energy, Division of Measurement Standards (DMS) of California Department of Food and Agriculture, and South Coast Air Quality Management District.
- **August 6, 2018:** Staff participated in a conference call with the Governor’s Office of Planning and Research, MTC, and CEC regarding coordinated efforts to obtain vehicle registration data from the DMV.
- **August 27, 2018 – August 30, 2018:** Staff attended grant management system demonstrations by eCivis, Wizehive, Fluxx Labs, and HTC Global Service.
- **August 30, 2018:** Staff hosted a conference call with Livermore Valley Unified School District staff to discuss the use of funds for a swimming pool project.
- **September 6, 2018 and September 12, 2018:** Staff met with MTC representatives to discuss funding opportunities for zero-emission transit buses.
- **September 10, 2018:** Staff attended an initial planning meeting with UC Berkeley researchers to discuss options for developing and demonstrating an autonomous truck plume sampling system to identify and fix heavy-duty trucks and track fleet emissions overtime.
- **September 11, 2018:** Staff attended a session on *Harnessing the Three Revolutions in Transportation for Climate Goals* at the Global Climate Action Summit.
- **September 13, 2018:** Staff presented the Air District’s experience in supporting energy expansion and transportation electrification with renewable hydrogen at a workshop hosted by Hydrogen Council and California Hydrogen Business Council at the Global Climate Summit, San Francisco.
- **September 17, 2018:** Staff met with representatives of RFP bidders to review and discuss the security of a proposed grant management system.
- **September 30, 2018 – October 3, 2018:** Staff attended the 31<sup>st</sup> International Electric Vehicles Symposium and Exhibition & International Electric Vehicle Technology Conference in Kobe, Japan.

**METEOROLOGY, MEASUREMENT & RULES DIVISION**  
**E. STEVENSON, DIRECTOR**

**Air Quality**

During the third quarter of 2018, there were three exceedances of the national 8-hour 70 ppb ozone standard and two exceedances of the California state one-hour standard. Ten Spare the Air Alerts were called (July 26, 2018; August 8, 2018, August 9, 2018, August 18, 2018, August 19, 2018, August 23, 2018 and August 24, 2018; September 3, 2018, September 25, 2018, and September 26, 2018). On July 26, 2018, light winds and strong high pressure caused inland temperatures to reach the mid-90s. However, onshore winds developed during the afternoon hours, dispersing pollutants, and preventing an exceedance. On August 8, 2018, August 9, 2018, and August 18, 2018, smoke from northern California wildfires, combined with inland temperatures in the upper-90s to near 100°F, resulted in exceedances on August 9, 2018 and August 18, 2018, with a strong onshore flow lowering ozone concentrations on the August 19, 2018. On August 23, 2018 and 24, wildfire smoke mixed with fog offshore moved into the Bay Area, leading to multiple exceedances of the national 24-hour PM<sub>2.5</sub> standard. Additional smoke impacts were observed on, September 3, 2018, as smoke from northern California fires impacted the Bay Area. No exceedances were recorded. On September 25, 2018 and September 26, 2018, high pressure over northern California brought light winds and inland temperatures in the mid-90s. However, a strong afternoon sea breeze kept ozone concentrations below the national standard.

**Air Monitoring**

Thirty-three air monitoring sites were operational from July through September 2018. Meteorological sensors were audited during the third quarter. These sites were also surveyed in preparation for retrofitting to a safer and more efficient method of attaching meteorological sensors to the towers.

Four new staff members started in the Air Monitoring Section during the third quarter. Max Dillon, Hao Zhou, Justin Dumas, and Jack Connor were hired as Air Quality Instrument Specialists to fill a combination of new positions providing support for community monitoring initiatives, and backfill positions open due to retirements. In addition, Charity Garland was promoted to the role of Supervising Air Quality Instrument Specialist in the Special Monitoring Group of the Air Monitoring Section.

Air Monitoring Section and Performance Evaluation staff participated in the Environmental Protection Agencies National Ambient Air Monitoring Conference in Portland, Oregon. This biannual conference provides a unique opportunity for air monitoring professionals from Federal, State, and Local Agencies, as well as technology vendors from across the country to come together and share information and ideas.

**Performance Evaluation**

The Performance Evaluation (PE) Section conducted EPA-mandated performance audits at 28 Air District air monitoring stations, verifying 75 separate parameters during the third quarter of 2018. Three Operations Data Action Monitoring Notifications (ODAMNs) were issued for excursions outside of defined operational limits. Three Corrective Action Reports (CARs) were issued for minor issues that did not affect data quality. 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 were conducted at the Tesoro, Valero and Chevron Refineries. Audits were performed at 10 GLM locations; 19 gas analyzers were tested. All GLM gas analyzers tested met the Air District's performance evaluation (audit) criteria.

The PE Section participated in the EPA's Total System Audit (TSA) during the period of July 23-26, 2018. EPA observed a full-station dynamic performance evaluation (gas analyzer and particulate sampler audit) conducted by PE Section staff at the Berkeley Aquatics Park, near-road Air-monitoring station.

Staff began upgrades to the Incident Response Van to improve automation.

Regular departmental duties continued, including: audit report preparation; report review; informational inquiries; database management; equipment testing, calibration, verification, maintenance and repair; supply and consumable purchasing; budget maintenance; gas cylinder testing, shipping and receiving; training; documentation of duties, and general upkeep of the section.

### **Source Test**

The Source Test (ST) Section continued evaluations of new measurement technologies and several test procedures relevant to AB-617, Regulation 11-18 and emission inventory improvement. ST staff provided support to the Rules Section on development of new rule language and evaluation of GHG measurement technologies. ST staff participated on the Emission Inventory Special Committee, attended workgroup meetings (GHG Research, Research Collaboration Project, Organics Recovery, etc.), and continued work on draft revisions of the Manual of Procedures Volumes IV and V. Technical support and interpretation continued to be provided to other Divisions regarding AB-617 implementation, including technical assessment, and ongoing support to Engineering and Compliance & Enforcement on emission data interpretation, permit development and recommendations for further evaluation indicating potential violations.

Efforts to fill vacancies and workload gaps proceeded, including discussions regarding prioritization and possible redirection of duties. ST staff continued to work on reorganization and training tasks.

Routine Source Test Sections duties continued which include:

- 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.
- 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.

### **Laboratory**

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

In addition to regularly scheduled samples, the laboratory participated in an EPA TSA and performed analyses in support of Compliance & Enforcement and Source Test actions.



## STATISTICS

<b>STATISTICS</b>			
<b><u>Administrative Services:</u></b>		<b><u>Compliance Assistance and Operations Program:</u></b>	
<b><u>Accounting/Purchasing/Comm.</u></b>		Asbestos Plans Received	1,788
General Checks Issued	1,401	Coating and other Petitions Evaluated	13
Purchase Orders Issued	455	Open Burn Notifications Received	11
Checks/Credit Cards Processed	4,261	Prescribed Burn Plans Evaluate	1
Contracts Completed	120	Tank/Soil Removal Notifications Received	30
RFP/RFQ	5	Compliance Assistance Inquiries Received	57
		Green Business Reviews	8
<b><u>Executive Office:</u></b>		Refinery Flare Notifications	2
Air Pollution Control Officer's Meetings Attended	186		
Board Meetings Held	3	<b><u>Compliance Assurance Program:</u></b>	
Committee Meetings Held	11	Industrial Inspections Conducted	1,627
Advisory Council Meetings Held	1	Gas Station Inspection Conducted	257
Hearing Board Meetings Held	0	Asbestos Inspections Conducted	373
Variances Received	3	Open Burning Inspections Conducted	4
		PERP Inspections Conducted	30
<b><u>Information Systems:</u></b>		Mobile Source Inspections	126
New Installation Completed	13	Grant Inspections Conducted	168
PC Upgrades Completed	4		
Service Calls Completed	850	<b><u>Engineering Division:</u></b>	
		Annual Update Packages Completed	794
<b><u>Human Resources:</u></b>		New Applications Received	261
Manager/Employee Consultation (Hrs.)	350	Authorities to Construct Issued	102
Management Projects (Hrs.)	400	Permits to Operate Issued	192
Employee/Benefit Transaction	600	Exemptions	2
Training Sessions Conducted	6	New Facilities Added	97
Applications Processed	430	Registrations (New)	17
Exams Conducted	14	Health Risk Assessments (HRA)	49
New Hires	21		
Promotions	14	<b><u>Communications and Public Information:</u></b>	
Payroll Administration (Hrs.)	600	Responses to Media Inquires	427
Safety Administration	150	Events Staffed with Air District Booth	26
Inquiries	4,000		
		<b><u>Community Engagement:</u></b>	
<b><u>Facility/Vehicle:</u></b>		Presentations Made	40
Request for Facility Service	51	Visitors	25
Vehicle Request(s)/Maintenance	246	Air District Tours	2
		Community Meetings Attended	45

**STATISTICS (continued)**

<b>STATISTICS (continued)</b>			
<b>Compliance and Enforcement Division:</b>		<b>3rd Quarter 2018 Agricultural Burn Days</b>	
<b>Enforcement Program</b>		July - September Permissive Burn Days-North	20
Violations Resulting in Notices of Violations	189	July – September No-Burn Days-North	72
Violations Resulting in Notice to Comply	91	July – September Permissive Burn Days-South	19
New Hearing Board Cases Reviewed	4	July – September No-Burn Days-South	73
Reportable Compliance Activity Investigated	72	July – September Permissive Burn Days-Coastal	18
General Complaints Investigated	1,499	July – September No Burn Days-Coastal	74
Wood Smoke Complaints Received	175		
Mobile Source Violations	1	<b>Laboratory</b>	
		Sample Analyzed	2,084
		Inter-Laboratory Analyses	0
<b>Meteorology Measurements &amp; Rules:</b>			
<b>3<sup>rd</sup> Quarter 2018 Ambient Air Monitoring</b>			
Days Exceeding Nat’l 24-Hour PM <sub>2.5</sub> Std.	2	<b>Technical Library</b>	
Days Exceeding Nat’l 24-Hour PM <sub>10</sub> Std.	0	Titles Indexed/Cataloged	
Days Exceeding State 24-Hour PM <sub>10</sub> Std.	0	Periodicals Received/Routed	
Days Exceeding the Nat’l 8-Hour Ozone Std.	3		
Days Exceeding the State 1-Hour Ozone Std.	2	<b>Source Test</b>	
Days Exceeding the State 8-Hour Ozone Std.	3	Cargo Tank Tests Performed	98
		Total Source Tests	61
<b>Ozone Totals, Year to Date 2018</b>		Pending Source Tests	3
Days Exceeding State 1-Hour Ozone Std.	2	Violation Notices Recommended	16
Days Exceeding Nat’l 8-Hour Ozone Std.	3	Contractor Source Tests Reviewed	4,555
Days Exceeding State 8-Hour Ozone Std.	3	Outside Test Observed	23
		Violation Notices Recommended After Review	20
<b>Particulate Totals, Year to Date 2018</b>			
Days Exceeding Nat’l 24-Hour PM <sub>2.5</sub> Std.	6	<b>Continuous Emissions Monitoring (CEM)</b>	
Days Exceeding Nat’l 24-Hour PM <sub>10</sub> Std.	0		
Days Exceeding State 24-Hour PM <sub>10</sub> Std.	0	Indicated Excess Emission Report Eval.	35
		Monthly CEM Reports Reviewed	0
<b>PM<sub>2.5</sub> Winter Season Totals for 2017-2018</b>		Indicated Excesses from CEM	9
Days Exceeding Nat’l 24-Hour PM <sub>2.5</sub> Std.	8	Field Accuracy Test Performed	2
		<b>Ground Level Monitoring (GLM)</b>	
		July - September Ground Level Monitoring SO <sub>2</sub> Excess Reports	0
		July - September Ground Level Monitoring H <sub>2</sub> S Excess Reports	0

**These facilities have received one or more Notices of Violations**  
**Report period: July 1, 2018 – September 30, 2018**

<b>Alameda County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b> □
7/2/2018	Z4498	Bayshores	Newark	California Code of Regulations
7/3/2018	Z4508	Portwood Shell #135696	Oakland	GDF Phase I Equipment Not Maintained
7/10/2018	Z4532	SFD	Oakland	Asbestos; Written Plan or Notification
7/11/2018	Z4597	Yuji Matsumoto	Oakland	Asbestos; Written Plan or Notification
7/11/2018	B3417	Clean Sciences Inc	Fremont	Solvent Cleaning Operations Cold Cleaner Requirement
7/12/2018	A0591	East Bay Municipal Utility District	Oakland	All Phase II vapor recovery equipment shall be both leak free and vapor tight
7/12/2018	Z2363	MFAS Homes Development	Oakland	Improper Demolition, Renovation and Removal
7/12/2018	Z2363	MFAS Homes Development	Oakland	Waste Disposal Procedures
7/18/2018	Z4600	ABE Petroleum - Olympic Oil	Hayward	All Phase II vapor recovery equipment shall be both leak free and vapor tight
7/19/2018	Z4667	Bonfilio Gonzales	Hayward	Asbestos; Reporting Demolition and Renovation
7/19/2018	Z4615	ARCO Facility #00498	Livermore	GDF Phase I Equipment Not Maintained
7/23/2018	Z4762	Kirby Berkeley	Berkeley	All Phase II vapor recovery systems shall be maintained as per the most recent CARB certifications and the manufacturer's specifications
7/23/2018	Z4765	Unocal SS #3292 (Harbans Singh)	San Leandro	Failure to Meet Permit Conditions
7/27/2018	Z4675	SFD	Livermore	Asbestos; Reporting Demolition and Renovation
7/31/2018	Z4768	Children's Hospital, Oakland	Oakland	NO <sub>x</sub> and CO from Industrial, Institutional and Commercial Boilers, Steam Generators and Process Heaters Final Emission Limits
7/31/2018	B1851	Oncore Manufacturing, LLC	Fremont	No Authority to Construct
7/31/2018	B1851	Oncore Manufacturing, LLC	Fremont	No Permit to Operate
8/22/2018	Z5107	Thomas Purcell	Livermore	Asbestos; Schedule Changes and Updates
8/24/2018	A0208	Schnitzer Steel Products Company	Oakland	Prohibition of Fires: No Ignition
8/24/2018	A0208	Schnitzer Steel Products Company	Oakland	Metal Recycling and Shredding Operations Emissions Minimization Plan
8/24/2018	A0208	Schnitzer Steel Products Company	Oakland	Metal Recycling and Shredding Operations Record Keeping Requirement
8/24/2018	A1438	Tesla, Inc	Fremont	No Authority to Construct
8/24/2018	A1438	Tesla, Inc	Fremont	No Permit to Operate
8/24/2018	A1438	Tesla, Inc	Fremont	No Authority to Construct
8/24/2018	A1438	Tesla, Inc	Fremont	No Permit to Operate
8/24/2018	A1438	Tesla, Inc	Fremont	Non-Compliance; Major Facility Review
9/6/2018	Z4899	SFD	Hayward	Asbestos; Written Plan or Notification
9/7/2018	A6378	Tri-City Rock, Inc	Fremont	Failure to Meet Permit Conditions
9/13/2018	Z4944	Foothill Chevron	Hayward	Failure to Meet Permit Conditions
9/13/2018	Z4945	Monument Gas	San Leandro	All Phase II vapor recovery equipment shall be both leak free and vapor tight
9/17/2018	A0591	East Bay Municipal Utility District	Oakland	Failure to Meet Permit Conditions
<b>Contra Costa County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b> □
7/2/2018	Z4496	SFD	Concord	Asbestos; Written Plan or Notification
7/2/2018	Z4499	SFD	Lafayette	Asbestos; Written Plan or Notification
7/3/2018	X3816	Mt Diablo Unified SD	Walnut Creek	Asbestos; Written Plan or Notification
7/3/2018	X3816	Mt Diablo Unified SD	Walnut Creek	Demolition, Renovation, and Removal Requirement
7/5/2018	V5932	ARCO Facility #6526	Pittsburg	Failure to Meet Permit Conditions
7/11/2018	E3675	Mt Diablo Unified School District	Concord	Asbestos; Schedule Changes and Updates
7/16/2018	A0010	Chevron Products Company	Richmond	Non-Compliance; Major Facility Review
7/16/2018	A0010	Chevron Products Company	Richmond	Valve Equipment Leaks
7/17/2018	Z4586	Prospect Sierra	El Cerrito	Asbestos Containing Waste Disposal
7/17/2018	A0011	Shell Martinez Refinery	Martinez	Opacity Limitation
7/18/2018	Z4663	Sutter Delta Com	Antioch	Asbestos Containing Waste Disposal
7/18/2018	Z4663	Sutter Delta Com	Antioch	Demolition, Renovation, and Removal Requirement
7/18/2018	B2758	Tesoro Refining & Marketing Company LLC	Martinez	Non-Compliance; Major Facility Review
7/30/2018	X6774	Mobile Home Park	Oakley	Asbestos; Schedule Changes and Updates
7/31/2018	A0907	Central Contra Costa Sanitary District	Martinez	Non-Compliance; Major Facility Review
7/31/2018	A0011	Shell Martinez Refinery	Martinez	Ignition Monitoring
8/6/2018	A0016	Phillips 66 Company - San Francisco Refinery	Rodeo	Continuous Emission Monitoring and Recordkeeping
8/8/2018	Z4734	Pleasant Hill Middle School	Pleasant Hill	Asbestos; Containment Requirement
8/10/2018	B7667	Ameresco Keller Canyon LLC	Pittsburg	Non-Compliance; Major Facility Review
8/10/2018	B7667	Ameresco Keller Canyon LLC	Pittsburg	Parametric Monitoring and Recordkeeping Procedures

**These facilities have received one or more Notices of Violations**  
**Report period: July 1, 2018 – September 30, 2018**  
**(continued)**

<b>Contra Costa County Continued...</b>				
8/10/2018	B6855	Kaiser Antioch Deer Valley	Antioch	NO, and CO from Stationary Internal Combustion Engines Quarterly Demonstration of Compliance
8/10/2018	B2758	Tesoro Refining & Marketing Company LLC	Martinez	Limitations on Ground Level Concentrations of Sulfur Dioxide
8/10/2018	B2758	Tesoro Refining & Marketing Company LLC	Martinez	Limitations on Hydrogen Sulfide
8/13/2018	Z4651	The Keys Condominium	Walnut Creek	Demolition, Renovation, and Removal Requirement
8/13/2018	Z4651	The Keys Condominium	Walnut Creek	Asbestos; Written Plan or Notification
8/13/2018	Z4782	SFD	Antioch	Asbestos; Containment Requirement
8/14/2018	E3960	Deal Auto Company, LLC	Richmond	Storage Tank Control Requirements for Organic Liquids
8/14/2018	A8664	Crockett Cogeneration, A Cal Ltd Partnership	Crockett	Parametric Monitoring and Recordkeeping Procedures
8/16/2018	B1661	Eco Services Operations Corp	Martinez	Non-Compliance; Major Facility Review
8/20/2018	Z4830	SFD	Oakley	Asbestos; Schedule Changes and Updates
8/20/2018	Z4832	Cutting Arco	Richmond	GDF Phase II Requirement: Hold Open Latch
8/24/2018	B2758	Tesoro Refining & Marketing Company LLC	Martinez	Opacity Limitation
8/24/2018	E1200	Tesoro Logistics Operations LLC	Martinez	Failure to Meet Permit Conditions
8/29/2018	Z4885	SFD	Richmond	Asbestos; Containment Requirement
8/29/2018	Z4873	SFD	Danville	Asbestos; Schedule Changes and Updates
8/29/2018	A1271	West County Wastewater District	Richmond	Final Emission Limits
9/4/2018	E3796	Concord Ready Mix Inc	Antioch	Failure to Meet Permit Conditions
9/4/2018	Z4651	The Keys Condominium	Walnut Creek	Demolition, Renovation, and Removal Requirement
9/4/2018	Z4651	The Keys Condominium	Walnut Creek	Asbestos; Written Plan or Notification
9/7/2018	Z4910	Alhambra Shell	Martinez	GDF Phase I Requirement
9/10/2018	A0010	Chevron Products Company	Richmond	No Permit to Operate
9/12/2018	B2758	Tesoro Refining & Marketing Company LLC	Martinez	Limitations on Hydrogen Sulfide
9/12/2018	B5755	Wholesome Harvest Baking	Richmond	Failure to Meet Permit Conditions
9/13/2018	Z4940	SFD	Pittsburg	Asbestos; Containment Requirement
9/13/2018	B2855	Henkel US Operations Corporation	Bay Point	Failure to Meet Permit Conditions
9/18/2018	B2758	Tesoro Refining & Marketing Company LLC	Martinez	Excessive Visible Emissions
9/20/2018	A0011	Shell Martinez Refinery	Martinez	Organic Liquid Inspection, Abatement Efficiency Determination and Source Test Reports
9/20/2018	A0011	Shell Martinez Refinery	Martinez	Opacity Limitation
9/24/2018	Z4991	Commercial	Pinole	Asbestos; Written Plan or Notification
9/24/2018	Y7923	Moraga Valero Gas	Moraga	Failure to Meet Permit Conditions
9/25/2018	A0010	Chevron Products Company	Richmond	Emission Limitations for Sulfur Recovery Plants
9/25/2018	A0010	Chevron Products Company	Richmond	Uncontrolled Wastewater Collection System Components at Petroleum Refineries
9/25/2018	Z5006	SFD	Danville	Asbestos; Schedule Changes and Updates
9/26/2018	Z4873	SFD	Danville	Asbestos; Schedule Changes and Updates
<b>Marin County</b>				
Status Date	Site #	Site Name	City	Regulation Title
7/2/2018	Z4493	Dept. Of Parks & Recreation	Mill Valley	GDF Phase I Requirement
7/11/2018	Z4540	San Rafael Rock Quarry	San Rafael	Failure to Meet Permit Conditions
7/11/2018	X4860	Lexus of Marin Attn: P Terrel	San Rafael	Failure to Meet Permit Conditions
8/16/2018	Z4399	Safeway #2828	Novato	GDF Phase I Requirement
9/27/2018	A1793	Golden Gate Bridge & Transit District	San Rafael	Failure to Meet Permit Conditions
<b>Napa County</b>				
Status Date	Site #	Site Name	City	Regulation Title
9/25/2018	Z5005	Shell	Napa	GDF Standard Phase II Requirements of CARB certified and manufacturer's specification
<b>San Francisco County</b>				
Status Date	Site #	Site Name	City	Regulation Title
7/10/2018	Z4209	MFD	San Francisco	Asbestos; Written Plan or Notification
7/10/2018	Z2680	540 De Haro LLC	San Francisco	No Authority to Construct

**These facilities have received one or more Notices of Violations**  
**Report period: July 1, 2018 – September 30, 2018**  
**(continued)**

<b>San Francisco County Continued...</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b> □
7/10/2018	Z4209	MFD	San Francisco	Asbestos; Written Plan or Notification
7/10/2018	Z2680	540 De Haro LLC	San Francisco	No Authority to Construct
7/10/2018	Z2680	540 De Haro LLC	San Francisco	No Permit to Operate
7/13/2018	Z4562	Arco	San Francisco	Failure to Meet Permit Conditions
7/16/2018	Z4565	Auto City Food Mart	San Francisco	Failure to Meet Permit Conditions
7/17/2018	Z4562	Arco	San Francisco	GDF Pressure Vacuum Valve Requirements, Underground Storage Tanks
7/19/2018	Z4613	Arco Facility #00230- Teck S Ng	San Francisco	GDF Operating Practices
7/24/2018	Z4643	Gov	San Francisco	Asbestos; Schedule Changes and Updates
7/24/2018	Z4644	Best Auto Care Inc	San Francisco	Failure to Meet Permit Conditions
7/30/2018	Z4565	Auto City Food Mart	San Francisco	GDF Phase II Requirement: Hold Open Latch
8/15/2018	Z4793	FOCIL-MB LLC	San Francisco	California Code of Regulations
8/20/2018	Z4857	GOV	San Francisco	Asbestos; Schedule Changes and Updates
8/24/2018	Z4887	Government	San Francisco	Asbestos; Schedule Changes and Updates
8/30/2018	R7948	Golden Gateway Center	San Francisco	Asbestos; Schedule Changes and Updates
9/4/2018	Y6236	Kaiser Permanente	San Francisco	Asbestos; Written Plan or Notification
9/21/2018	Z4979	MFD	San Francisco	Asbestos; Containment Requirement
9/27/2018	Z5022	Downtown Center Garage	San Francisco	No Permit to Operate
<b>San Mateo County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b> □
7/12/2018	A3499	City of Menlo Park	Menlo Park	California Code of Regulations
8/13/2018	Z4721	SFD	East Palo Alto	Asbestos; Written Plan or Notification
9/6/2018	Z4986	MFD	San Mateo	Demolition, Renovation, and Removal Requirement
9/6/2018	Z4986	MFD	San Mateo	Asbestos; On-Site Representative
9/6/2018	Z4986	MFD	San Mateo	Asbestos Waste Disposal
9/27/2018	Z5021	Commercial	Belmont	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>
7/3/2018	Z4529	CND	San Jose	Asbestos; Containment Requirement
7/11/2018	G3729	SJUSD Corporation Yard	San Jose	Failure to Meet Permit Conditions
7/12/2018	Z4984	MFAS Homes Realty and Development	San Jose	Asbestos; Written Plan or Notification
7/12/2018	Z4984	MFAS Homes Realty and Development	San Jose	Waste Disposal Procedures
7/12/2018	Z4544	School	San Martin	Asbestos; Containment Requirement
7/12/2018	Z4544	School	San Martin	Asbestos; Written Plan or Notification
7/12/2018	Y7837	Franklin-McKinley Schl Dist	San Jose	Asbestos; Written Plan or Notification
7/13/2018	Z4561	ConocoPhillips	San Jose	Failure to Meet Permit Conditions
7/16/2018	Z4585	Unocal #5995	San Jose	Failure to Meet Permit Conditions
7/24/2018	A0017	Lehigh Southwest Cement Company	Cupertino	Opacity Emission Limit
7/25/2018	Y2311	AMI Petroleum	San Jose	No Permit to Operate
7/25/2018	Y2311	AMI Petroleum	San Jose	Failure to Meet Permit Conditions
7/25/2018	Y2311	AMI Petroleum	San Jose	GDF Phase I Equipment Not Maintained
7/25/2018	Y2311	AMI Petroleum	San Jose	GDF Phase II Equipment Not Maintained
7/26/2018	Z4901	SFD	Los Gatos	Asbestos; Schedule Changes and Updates
8/10/2018	Z4794	Commercial	Sunnyvale	Asbestos; Schedule Changes and Updates
8/13/2018	Y7848	Gilbert Marosi	San Jose	Asbestos; Written Plan or Notification
8/14/2018	Z4790	SFD	San Jose	Asbestos; Schedule Changes and Updates
8/21/2018	Z4818	Intuitive Surgical Inc	Sunnyvale	No Authority to Construct
8/21/2018	Z4818	Intuitive Surgical Inc	Sunnyvale	No Permit to Operate
8/21/2018	A9013	International Disposal Corp of CA	Milpitas	Non-Compliance; Major Facility Review
8/29/2018	A0017	Lehigh Southwest Cement Company	Cupertino	Record Keeping
8/29/2018	A0017	Lehigh Southwest Cement Company	Cupertino	Record Keeping

**These facilities have received one or more Notices of Violations**  
**Report period: July 1, 2018 – September 30, 2018**  
**(continued)**

<b>Santa Clara County Continued...</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
7/25/2018	Y2311	AMI Petroleum	San Jose	No Permit to Operate
7/25/2018	Y2311	AMI Petroleum	San Jose	Failure to Meet Permit Conditions
7/25/2018	Y2311	AMI Petroleum	San Jose	GDF Phase I Equipment Not Maintained
7/25/2018	Y2311	AMI Petroleum	San Jose	GDF Phase II Equipment Not Maintained
7/26/2018	Z4901	SFD	Los Gatos	Asbestos; Schedule Changes and Updates
8/10/2018	Z4794	Commercial	Sunnyvale	Asbestos; Schedule Changes and Updates
8/13/2018	Y7848	Gilbert Marosi	San Jose	Asbestos; Written Plan or Notification
8/14/2018	Z4790	SFD	San Jose	Asbestos; Schedule Changes and Updates
8/21/2018	Z4818	Intuitive Surgical Inc	Sunnyvale	No Authority to Construct
8/21/2018	Z4818	Intuitive Surgical Inc	Sunnyvale	No Permit to Operate
8/21/2018	A9013	International Disposal Corp of CA	Milpitas	Non-Compliance; Major Facility Review
8/29/2018	A0017	Lehigh Southwest Cement Company	Cupertino	Record Keeping
8/29/2018	A0017	Lehigh Southwest Cement Company	Cupertino	Record Keeping
9/4/2018	Z4959	Gov	San Jose	Asbestos; Schedule Changes and Updates
9/6/2018	A0425	Channing House	Palo Alto	No Permit to Operate
9/10/2018	Z0464	Noah Concrete	Gilroy	No Authority to Construct
9/10/2018	Z0464	Noah Concrete	Gilroy	No Permit to Operate
9/13/2018	A0550	NASA-AMES Research Center	Mountain View	NO <sub>x</sub> and CO from Industrial, Institutional and Commercial Boilers, Steam Generators and Process Heaters Final Emission Limits
9/26/2018	Z5023	Commercial	Sunnyvale	Asbestos; Schedule Changes and Updates
9/26/2018	A4272	El Camino Hospital	Mountain View	No Permit to Operate
<b>Solano County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
7/3/2018	V2630	Fast & Easy Mart	Benicia	GDF Phase I Equipment Not Maintained
7/24/2018	Z4410	Exxon	Vallejo	GDF Phase II Equipment Not Maintained
7/25/2018	B2626	Valero Refining Company - California	Benicia	Non-Compliance; Major Facility Review
7/25/2018	B2626	Valero Refining Company - California	Benicia	Continuous Emission Monitoring and Recordkeeping
7/30/2018	Z4750	Lake Herman/Benicia Shell	Benicia	GDF Phase I Requirement
7/31/2018	Z4410	Exxon	Vallejo	GDF Phase I Equipment Not Maintained
7/31/2018	Z4410	Exxon	Vallejo	GDF Phase II Requirement: Posting of Operating Instructions
7/31/2018	Z4410	Exxon	Vallejo	All Phase II vapor recovery equipment shall be both leak free and vapor tight
7/31/2018	Z4410	Exxon	Vallejo	Phase I vapor recovery equipment shall be both leak free and vapor tight
7/31/2018	Z4843	Walters Road Arco	Fairfield	Failure to Meet Permit Conditions
8/20/2018	Z4831	G&M Oil Company	Vallejo	Failure to Meet Permit Conditions
8/21/2018	Z4831	G&M Oil Company	Vallejo	No Authority to Construct
8/22/2018	B3384	Vision Recycling Benicia	Benicia	No Authority to Construct
8/22/2018	B3384	Vision Recycling Benicia	Benicia	No Permit to Operate
8/24/2018	A2042	Suisun Bay Reserve Fleet	Benicia	Emergency Standby and Low Usage Engines, Monitoring and Recordkeeping
8/29/2018	Z4882	J&R Gas & Mini Mart	Vallejo	GDF Standard Phase II Requirements of CARB certified and manufacturer's specification
9/12/2018	B2626	Valero Refining Company - California	Benicia	Open - Ended Line or Valve
9/27/2018	Z0380	A & A Gas	Vallejo	GDF Standard Phase II Requirements of CARB certified and manufacturer's specification
<b>Sonoma County</b>				
<b>Status Date</b>	<b>Site #</b>	<b>Site Name</b>	<b>City</b>	<b>Regulation Title</b>
8/21/2018	Z4833	Bennett Valley Golf Course	Santa Rosa	Failure to Meet Permit Conditions

**Closed Notice of Violations with Penalties by County**  
**July 1, 2018 – September 30, 2018**

<b>Alameda</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
76	Z4051	Hayward	\$1,500	2
Advantage Metal Products	E3728	Livermore	\$250	1
Alta Bates Hospital	A0460	Berkeley	\$1,000	1
American Technologies	L3951	Hayward	\$150	1
ARCADIS US, Inc	B7341	Oakland	\$1,000	1
Arco Facility #771	Z4408	Livermore	\$750	1
Bay Colors Auto Body	Y3771	Hayward	\$2,000	3
Century Real Estate, Inc	Z3845	Pleasanton	\$100	1
Christina Slayden	Z4349	Alameda	\$250	1
City of Livermore	Z4977	Livermore	\$1,500	1
City of Oakland	Z3906	Oakland	\$600	1
City of Oakland	Z3985	Oakland	\$600	1
City of Pleasanton - FS #2	Z3997	Pleasanton	\$1,500	1
EJR Construction	Z4471	San Lorenzo	\$250	1
Environmental Remedies Inc	Z4347	Hayward	\$3,000	3
Evan Brothers, Inc.	Z4392	Livermore	\$100	1
Figueroa Tank Lines	T0514	Berkeley	\$1,250	1
Gallagher & Burk, Inc	A0073	Oakland	\$1,000	1
Hung Construction	Z4530	San Leandro	\$2,500	2
Jae Suh	Z3924	San Leandro	\$2,500	2
JB Market LLC	Z4240	Pleasanton	\$250	1
Livermore Auto Group	Y7741	Livermore	\$750	1
Michael Raines	Z4046	Oakland	\$250	1
P.W. Stephens Environmental Inc.	V8868	Hayward	\$3,500	1
P.W. Stephens Environmental, Inc.	Y5159	Fremont	\$1,000	1
P.W. Stephens Environmental, Inc	Z0961	Hayward	\$1,000	1
Pinnacle Ag Services	E3603	Oakland	\$1,500	2
Quik Stop #51	Z4568	Oakland	\$375	2
R&B Equipment	Z4338	Hayward	\$500	1

**Closed Notice of Violations with Penalties by County**  
**July 1, 2018 – September 30, 2018**  
**(continued)**

<b>Alameda Continued...</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Restoration Management	Z4099	Hayward	\$1,000	1
Rolls-Royce Corporation	A1201	Oakland	\$500	1
SFD	Z4417	Oakland	\$100	1
SFD	Z4532	Oakland	\$100	1
Silverado Contractors	Z4391	Oakland	\$500	1
Southwest Hazard Control, Inc	G2514	San Leandro	\$500	1
Synergy Enterprises	L3268	Hayward	\$2,500	1
Synergy Enterprises Inc.	Z3988	Hayward	\$3,000	2
T4 Company	Z4421	Oakland	\$250	1
United Rentals	Z3878	Dublin	\$3,000	1
Valley Memorial Hospital	A3335	Livermore	\$500	1
ValleyCare Medical Center	A8890	Pleasanton	\$5,500	3
William Gavelis	Z4353	Oakland	\$250	1
			<b>Total Violations Closed:</b>	<b>16</b>
<b>Contra Costa</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Brentwood Golf Club	W2556	Brentwood	\$100	1
Byron Bethany Irrigation District	Z4143	Byron	\$2,000	1
Central Contra Costa Sanitary District	A0907	Martinez	\$18,800	5
City of San Ramon- corp Yard	Z3977	San Ramon	\$1,500	1
Contra Costa Fire District	Z3833	Pleasant Hill	\$1,250	2
Contra Loma Gas Services	Z4753	Concord	\$500	1
David Langon Construction, Inc.	Z1897	Alamo	\$250	1
Diamond Petro Inc.	Z4282	Concord	\$500	1
Dow Chemical Company	A0031	Pittsburg	\$5,000	2
Joe's Liquor & Food	Z3824	Antioch	\$2,500	1
John Muir Medical Center	B0742	Walnut Creek	\$2,500	2
Lone Tree Golf Course	Z4218	Antioch	\$1,000	1
Los Medanos Energy Center	B1866	Pittsburg	\$3,000	1
Mt. Diablo Unified School District	Z2866	Concord	\$1,500	1
New NGC, Inc	A0706	Richmond	\$3,000	1
NRG Marsh Landing, LLC	B9169	Antioch	\$3,000	1
Pittsburg Unified School District	Z2150	Pittsburg	\$1,000	2



**Closed Notice of Violations with Penalties by County  
July 1, 2018 – September 30, 2018  
(continued)**

<b>Contra Costa Continued...</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Portola Design Build	Z4005	Danville	\$250	1
R & R Auto Service	Z3890	El Cerrito	\$100	1
Sodhi Petroleum Inc.	Z4261	Brentwood	\$1,500	1
Sun Valley Chevron	Y5394	Pleasant Hill	\$500	1
Unocal #3906	Z2621	El Sobrante	\$250	1
USS-POSCO Industries	A2371	Pittsburg	\$3,000	1
Value Plumbing	Z4253	Oakley	\$3,500	2
<b>Total Violations Closed:</b>				<b>8</b>
<b>Marin</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Ghilotti Bros	Z4729	San Rafael	\$500	1
<b>Total Violations Closed:</b>				<b>1</b>
<b>Napa</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
ASA Drilling and Foundation	Z3798	Napa	\$500	1
Kelham Vineyards	Z4054	Saint Helena	\$600	1
Marco Castellucci	Z3887	Napa	\$1,500	1
St Helena Hospital	A1352	Saint Helena	\$3,000	1
<b>Total Violations Closed:</b>				<b>4</b>
<b>San Francisco</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Atakan & Ibo	Y9238	San Francisco	\$1,000	2
Azul Works Inc.	W2615	San Francisco	\$500	1
Jose Defaria	Z4350	San Francisco	\$2,500	5
Robert Link	Z4048	San Francisco	\$2,000	3
WaveDivision Holdings LLC	B4111	San Francisco	\$500	1
<b>Total Violations Closed:</b>				<b>12</b>

**Closed Notice of Violations with Penalties by County**  
**July 1, 2018 – September 30, 2018**  
**(continued)**

<b>San Mateo</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Bowen Construction	Z4373	Daly City	\$2,000	3
Center- line Construction Inc.	Z4327	San Carlos	\$250	1
Double AA Transportation, Inc	R1549	South San Francisco	\$2,500	3
Eddy's Plumbing	Z3973	South San Francisco	\$2,000	3
Gold Star Auto Body Shop, Inc	B8302	South San Francisco	\$9,500	1
Osegeuras Demolition & Hauling	X6532	East Palo Alto	\$250	1
Peninsula Hauling & Demo, Inc	Z4505	San Carlos	\$250	1
Peninsula Hauling & Demolition	Y8779	San Carlos	\$250	1
Reliance Construction	N4905	Burlingame	\$500	1
Reliance Construction	Z4389	Burlingame	\$500	1
Sutter Bay Hospitals dba Mills-Peninsula Health	B0327	San Mateo	\$500	1
Timberline Engineering, LLC	Y6793	Burlingame	\$17,000	3
			<b>Total Violations Closed:</b>	<b>20</b>
<b>Santa Clara</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Alliance Environmental Group	Y8752	San Jose	\$500	1
Alliance Environmental Group, Inc.	Q8668	San Jose	\$3,500	1
Alma Fire Station	Z4259	Los Gatos	\$250	1
Applied Materials	B1002	Sunnyvale	\$1,500	1
City Gas Milpitas	Z2173	Milpitas	\$15,000	1
County of Santa Clara	Z4007	San Jose	\$1,000	1
Discount Gas	Y3048	Milpitas	\$6,000	1
Graham Contractors, Inc.	Z4056	San Jose	\$500	1
Hamilton Union Service	Y8686	Campbell	\$2,000	2
Joseph J. Albanese	R1659	Santa Clara	\$250	1
Mancia's Steel Company	A2583	San Jose	\$1,500	1
Pacific Pride Cardlock #81	Z4739	San Jose	\$500	1
Reco Gas and Minimart	Z3807	San Jose	\$1,500	1
Triada Construction LLC	Z4506	Santa Clara	\$500	1
Unocal #256259	Z4234	San Jose	\$1,400	1
			<b>Total Violations Closed:</b>	<b>16</b>

**Closed Notice of Violations with Penalties by County**  
**July 1, 2018 – September 30, 2018**  
**(continued)**

<b>Solano</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Alex Herrera	Y5616	Vallejo	\$500	2
Alliance Environmental	Z4343	Fairfield	\$500	1
Ball Metal Beverage Container Corp	A0148	Fairfield	\$2,000	1
Earthquake Protection Systems, Inc	B6025	Vallejo	\$1,000	1
J N Auto Body	A8057	Vallejo	\$500	1
Restoration Management	Z4336	Benicia	\$500	1
Steve Harder	Z3571	Fairfield	\$250	1
<b>Total Violations Closed:</b>				<b>8</b>
<b>Sonoma</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
Curran Environmental Services, Inc.	F7078	Santa Rosa	\$500	1
Dan Woloz	Z3908	Santa Rosa	\$100	1
Mayacama Golf Club	Z4403	Santa Rosa	\$3,000	2
Musco Excavators	F8124	Santa Rosa	\$100	1
MXB Vineyard Barn	Z3996	Sonoma	\$1,500	2
Parm Bassi Gas Station	Z4057	Santa Rosa	\$1,000	1
Walia Fuels LLC	Z3802	Petaluma	\$500	1
<b>Total Violations Closed:</b>				<b>9</b>
<b>District Wide</b>				
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>Penalty Amount</b>	<b># of Violations Closed</b>
United Rentals Inc.	Z4254	Denver	\$2,000	1
BP West Coast Products LLC	Z4251	Artesia	\$2,500	2
World Oil Marketing Co.	Z4244	South Gate	\$750	1
1-888-4-Abatement Inc.	Y9530	Rancho Cordova	\$2,500	1
Myers and Sons Construction	Z4363	Sacramento	\$500	1
All Around Renovations	Z3778	Lodi	\$750	1
TM Demolition	Z4549	Tracy	\$500	2
<b>Total Violations Closed:</b>				<b>9</b>

**Bay Area Air Quality Management District Board of  
Directors**

**LIST OF ACRONYMS**

AB	Assembly Bill
A/C	Authority to Construct
ADMP	Asbestos Dust Mitigation Plan
Air District	Bay Area Air Quality Management District
APCD	Air Pollution Control District
APCO	Air Pollution Control Officer
API	American Petroleum Institute
APTI	Air Pollution Technology Institute
ARB	California Air Resources Board
AQI	Air Quality Index
ARFVTP	Alternative and Renewable Fuel and Vehicle Technology Program
ASTM	American Society for Testing and Materials
ATCM	Airborne Toxic Control Measure
AWMA	Air and Waste Management Association
BAAQMD	Bay Area Air Quality Management District
BOD	Biochemical Oxygen Demand
CAA	(Federal) Clean Air Act
CAP	Clean Air Plan
CARB	California Air Resources Board
CARE	Community Air Risk Evaluation
CASAC	Clean Air Science Advisory Committee
CAS	Chemical Abstracts Service (a chemical reference number)
CEM	Continuous Emissions Monitoring
CEQA	California Environmental Quality Act
CFR	U.S. Code of Federal Regulations
CMP	Carl Moyer Program
CPI	Consumer Price Index
CREL	Chronic Reference Exposure Level
CRPAQS	Central Valley (California) Regional Particulate Air Quality Study
CRRP	Community Risk Reduction Program
DOE	Department of Energy
DOI	Department of Interior
DPF	Diesel Particulate Filter
DPM	Diesel Particulate Matter
DQA	Data Quality Assessment
DQI	Data Quality Indicators
DQO	Data Quality Objectives
DVM	Digital Voltmeter
EBMUD	East Bay Municipal Utility District
EC	European Commission
EC/OC	Elemental Carbon/Organic Carbon
EIA	Environmental Impact Assessment
EIR	Environmental Impact Report

EML	Environmental Measurements Laboratory
EMP	Environmental Management Plan
EO	Executive Orders
EPA	U.S. Environmental Protection Agency
ERCs	Emission Reduction Credits
ESAT	Environmental Services Assistance Team
EU	European Union
EVR	Enhanced Vapor Recovery
FCH	Fuel Cell Hydrogen Vehicle
FEM	Federal Equivalent Method
FIM	Flame Ionization Detector
FLM	Federal Land Manager
FMP	Flare Minimization Plan
FRM	Federal Reference Method
FY	Fiscal Year
GAO	General Accounting Office
GC	Gas Chromatograph
GC-MS	Gas Chromatography-Mass Spectrometry
GDF	Gasoline Dispensing Facilities
GDP	Gross Domestic Product
GHG(s)	Greenhouse Gas(es)
GIS	Geographical Information System
GLM	Ground Level Monitoring
GMERP	Goods Movement Emissions Reduction Program
GPS	Global Positioning System
GWP	Global Warming Potential
GVWR	Gross Vehicle Weight Rating
H <sub>2</sub> S	Hydrogen Sulfide
HAP	Hazardous Air Pollutants
HC	Hydrocarbon
HCl	Hydrogen Chloride
HEI	Health Effects Institute
HF	Hydrogen Fluoride
HOVs	High Occupancy Vehicles
HPLC	High Performance Liquid Chromatograph
HRA	Health Risk Assessment
HRSA	Health Risk Screening Analysis
HSC	Health and Safety Code
HSE	Health, Safety and Environment
HVIP	Hybrid Voucher Incentive Project
IADN	Interagency Deposition Network
I BOND	California Goods Movement Bond Program (Proposition 1B)
IC	Ion Chromatography
ICE	Internal Combustion Engine
ICR	Information Collection Request
IEA	Initial Environmental Authorization
IMPROVE	Interagency Monitoring of Protected Visual Environments
IOM	Installation, Operation, and Maintenance
IPP	Independent Power Producer
ISD	In-Station Diagnostic

ISR	Indirect Source Rule
ITEP	Institute of Tribal Environmental Professionals
ITT	Information Transfer Technology
K	Kelvin
km	Kilometer
kV	Kilovolt
kPa	Thousand Pascal
l	Litre
LC-50	Lethal Concentration of a Chemical which Kills 50% of a Sample Population
$L_{eq}$	Unweighted Energy-Equivalent Noise Level
LCS	Laboratory Control Sample
LCT	Liquid Condensate Trap
LESBP	Lower Emission School Bus Program
LDAR	Leak Detection and Repair
LLD	Lower Limit of Detection
LNB	Low NO <sub>x</sub> Burner
LOD	Limit of Detection
LOQ	Limit of Quantitation
lpm	Liters per Minute
l/s	Litres per Second
M	Million
m	Metre
m/s	Metres per Second
$m^3/s$	Cubic Metres per Second
MACT	Maximum Achievable Control Technology
MANE-VU	Mid-Atlantic/Northeast Visibility Union
MDL	Method Detection Limit
MDN	Mercury Deposition Network
MEI	Ministry of Energy and Industry
MET/PE	Meteorology and Performance Evaluation
mg/kg	Milligrams per Kilogram
mg/l	Milligrams per Litre
$mg/m^3$	Milligrams per Cubic Metre
$mg/Nm^3$	Milligrams per Normal Cubic Metre (i.e. expressed at 273K and 101.3 kPa); in the case of gas turbines, gas volumes in units on “Nm <sup>3</sup> ” are also expressed as dry gas, at 15% O <sub>2</sub> .
ml	Millilitre
MMAA	Ministry of Municipal Affairs and Agriculture
MPC	Maximum Permissible Concentration
MQA	Meteorology and Quality Assurance
MS	Matrix Spikes
MSIF	Mobile Source Incentive Fund
MW	Megawatts
MWe	Megawatts Electrical (electrical output)
MWth	Megawatts Thermal (thermal input)
N	Nitrogen
NAAQS	National Ambient Air Quality Standard
Na	Sodium
NAAMS	National Ambient Air Monitoring System
NAATS	National Ambient Air Toxics Sites

NACAA	National Association of Clean Air Agencies
NADP	National Atmospheric Deposition Program
NAMS	National Air Monitoring Station
NaCl	Sodium Chloride (salt)
NAPAP	National Acid Precipitation Assessment Program
NAS	National Academy of Science
NASA	National Aeronautics and Space Agency
NATTS	National Ambient Toxic Tends Stations
NCORE	The National Core Monitoring Network
NDIR	Non-Dispersive Infrared
NDUV	Non-Dispersive Ultraviolet
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NEV	Neighborhood Electric Vehicle
NGO	Non-Governmental Organizations
Ni	Nickel
NIST	National Institute for Standards and Technology
Nm <sup>3</sup>	Normal cubic metre (i.e. expressed at 237K and 101.3 kPa); in the case of gas turbines, gas volumes in units of “Nm <sup>3</sup> ” are also expressed as dry gas, at 15% O <sub>2</sub> .
Nm <sup>3</sup> /s	Normal cubic metre per second (i.e. expressed at 237K and 101.3 kPa); in the case of gas turbines, gas volumes in units of “Nm <sup>3</sup> ” are also expressed as dry gas, at 15% O <sub>2</sub> .
NMHC	Non-Methane Hydrocarbons
N <sub>2</sub> O	Nitrous Oxide
NO <sub>y</sub>	Odd Nitrogen
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NO	Nitrogen Monoxide/Nitric Oxide
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>x</sub>	Oxides of Nitrogen
NOAA	National Oceanic and Atmospheric Administration
NMHC	Non-Methane Hydrocarbon
NMOC	Non-Methane Organic Carbon
NO <sub>x</sub> /NO <sub>y</sub>	Nitrogen Oxides
NPAP	EPA National Performance Audit Program
NPEP	National Performance Evaluation Program
NPOC	Non-Precursor Organic Compounds
NPS	National Parks Service
NTN	National Trends Network
NVLAP	National Voluntary Laboratory Accreditation Program
O <sub>2</sub>	Oxygen
O <sub>3</sub>	Ozone
OAP	Office of Atmospheric Programs
OAQPS	Office of Air Quality Planning and Standards
OAR	Office of Air and Radiation
OC	Organic Carbon
OC/EC	Organic Carbon/Elemental Carbon
ODAMN	Operations Data Action Monitoring Notification
OEHHA	Office of Environmental Health Hazard Assessment
OEI	Office of Environmental Information

ORD	Office of Research and Development
ORIA	Office of Radiation and Indoor Air
ORVR	Onboard Refueling Vapor Recovery
P	Phosphorous
PAHs	Polycyclic Aromatic Hydrocarbons
PAMS	Photochemical Assessment Monitoring Stations
Pb	Lead
PBT	Persistent Bioaccumulative Toxics
PCBs	Polychlorinated Byphenyls
PE	Performance Evaluation
PEP	Performance Evaluation Program
PEL	Probable Effect Level
PERC	Percholorethylene
PFC	Polyfluorocarbons
PHEV <sub>s</sub>	Plug-In Hybrid Electric Vehicles
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter with mean aerodynamic diameter of 10 microns
PM <sub>2.5</sub>	Particulate matter with mean aerodynamic diameter of 2.5 microns
PM <sub>10-2.5</sub>	PM <sub>10</sub> minus PM <sub>2.5</sub>
PO	Purchase Order
POC	Precursor Organic Compounds
POCP	Photochemical Ozone Creation Potential
ppb	Parts per Billion
PPAH	Pollution Prevention and Abatement Handbook
ppb (v)(w)	Parts per Billion (volume) (weight)
ppm (v) (w)	Parts per Million (volume) (weight)
ppt (v) (w)	Parts per Thousand (volume) (weight)
PQAO	Primary Quality Assurance Organization
PSD	Prevention of significant Deterioration
QA	Quality Assessment
QAPP	Quality Assurance Project/Program Plan
QC	Quality Control
QMP	Quality Management Plan
RACT	Reasonably Available Control Technology
RACM	Regulated Asbestos Containing Material
RADM	Regional Acid Deposition Model
RCA	Reportable Compliance Activity
REL	Reference Exposure Level
REM	Regional Equivalent Monitor
RO	EPA Regional Office
ROG	Reactive Organic Gases
RPO	Regional Planning Organization
RTP	Research Triangle Park (North Carolina)
RTI	Research Triangle Institute, a research/consulting company
RTO	Regenerative Thermal Oxidiser
S	Sulphur
S&T	Science and Technology
SAB	Science Advisory Board
SAP	Socio-Economic Action Plan
SB 375	Sustainable Communities and Climate Protection Act of 2008



SB 1339	Senate Bill 1339 – Employer Commute Benefits Program
SCAQMD	South Coast Air Quality Management District
SFPUC	San Francisco Public Utilities Commission
SIP	State Implementation Plan
SISO	South Isomax
SLAMS	State or Local Air Monitoring Station
SLCP	Short-Lived Climate Pollutant
SLTs	State, Local, and Tribal air monitoring agencies
SO <sub>2</sub>	Sulfur dioxide
SOP	Standard operating procedure
SPM	Special Purpose Monitor
STAG	State and Tribal Air Grant
STN	Speciation Trends Network
SVOC	Semi-Volatile Organic Compound
t/d	Tonnes per Day
t/h	Tonnes per Hour
t/yr	Tonnes per Year
TAMS	Tribal Air Monitoring Support (Center)
TAC	Toxic Air Contaminant
TAD	Technical Assistance Document
TAR	Tribal Authority Rule
TBACT	Best Available Retrofit Control Technology for Toxics
TBD	To Be Determined
TEOM	Tapered Element Oscillation Monitor
TFCA	Transportation Fund for Clean Air
THC	Total Hydrocarbons
TIP	Tribal Implementation Plan
TNMHC	Total Non-Methane Hydrocarbons
TNMOC	Total Non-Methane Organic Compound
TOC	Total Organic Carbon
Tpd	Tons per Day
TPH	Total Petroleum Hydrocarbons
TPY	Tons Per Year
TRUs	Transportation Refrigeration Units
TSA	Technical Systems Audits
TSP	Total Suspended Particulates
TSS	Total Suspended Solids
TWA	Time Weighted Average
UAM	Urban Airshed Model
UFP	Ultrafine Particulate Matter
USB	Universal Serial Bus
US EPA	United States Environmental Protection Agency
UV	Ultraviolet
VOC	Volatile Organic Compounds
VBBP	Vehicle Buy Back Program
WB	World Bank
WBT	Wet Bulb Temperature
WHO	World Health Organization
WMP	Waste Management Plan
XML	Extensible Markup Language

$\Delta T$	Temperature Differential
$\mu\text{g/l}$	Microgrammes per litre
$\mu\text{g/m}^3$	Micrograms (one millionth of a gram) per cubic metre
$\mu\text{m}$	Micrometers
$\mu\text{M/l}$	Micromoles per litre
ZEM	Zero Emissions Vehicle

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 6, 2018

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

---

**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 District personnel who have traveled on out-of-state business.

The report covers the out-of-state business travel for the month of October 2018. 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 September 2018:

- Jack P. Broadbent, Executive Officer/APCO, attended World Health Organization Conference, Geneva, Switzerland, October 28, 2018 – November 2, 2018.
- Mairi Beacon, Manager, attended ASTM D22 Air Quality Subcommittee Meeting & MDL Symposium, Washington, D.C., October 21, 2018– October 26, 2018.
- Nicholas Maiden, Manager, attended 6<sup>th</sup> Opportunity Crudes Conference, Sugar Land, Texas, October 21, 2018 – October 25, 2018.
- Chad White, Senior Environmental Planner, attended Renewable Energy from Organics Recycling Conference, Raleigh, North Carolina, October 15, 2018 – October 18, 2018.
- Abhinav Guha, Principal Air Quality Engineer, attended CO2-USA Workshop, Salt Lake City, Utah, October 24, 2018– October 26, 2018.

- Raegan Carmon, Human Resources Analyst, attended NEOGOV Conference, Las Vegas, Nevada, October 9, 2018 – October 12, 2018.
- Irene Alborez, Human Resources Analyst, attended NEOGOV Conference, Las Vegas, Nevada, October 9, 2018 – October 12, 2018.
- David Minuk, Human Resources Analyst, attended Ceridian Insights, Las Vegas, Nevada, October 16, 2018 – October 19, 2018.
- Judy Yu, Human Resources Manager, attended Ceridian Insights, Las Vegas, Nevada, October 16, 2018 – October 19, 2018.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

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 David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 6, 2018

Re: Authorization to Execute a Contract for Agricultural Waste Chipping in Lieu of Open  
Burning

---

RECOMMENDED ACTION

Recommend the Board of Directors authorize the Executive Officer/APCO to execute a contract with The Davey Tree Expert Company in an amount not to exceed \$150,000 for the purposes of continuing the Agricultural Waste Chipping Program to reduce open burning and its associated particulate matter (PM) emissions.

BACKGROUND

The Bay Area Air Quality Management District (Air District) wishes to enter into an agreement in an amount not to exceed \$150,000 to provide agricultural waste chipping services to private property owners who decide to chip their agricultural waste in lieu of open burning the material.

DISCUSSION

The Agricultural Waste Chipping Program assists property owners in disposing of agricultural waste material from certain qualifying agricultural operations by providing free chipping services in lieu of open burning the material. As a non-burning disposal method, chipping is expected to reduce PM emissions compared to burning. The Air District is non-attainment for the daily deferral and annual state PM<sub>2.5</sub> standards and reducing open burning will reduce PM loading into the Air District's air basin, especially during the wintertime season when PM pollution is heaviest.

This work results in a contract amount that exceeds \$100,000 and therefore requires Board of Directors approval.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None. Funding for this Program is included in the Fiscal Year Ending 2019 Budget and will be funded by the 104 Account.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Doug Tolar  
Reviewed by: John Marvin

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 8, 2018

Re: Notices of Violations Issued and Settlements in excess of \$10,000 in the month of  
October 2018

---

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 month 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

Attachments 9A: Notices of Violations for the Month of October 2018

**NOTICES OF VIOLATIONS ISSUED**

The following Notice(s) of Violations were issued in October 2018:

<b>Alameda</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comments</b>
A B & I Foundry	A0062	Oakland	A57881A	10/15/18	2-6-307	#24639 Part 4 - No abatement
American Technologies	L3951	Hayward	A58507A	10/25/18	11-2-401.5	Inaccurate start date.
Kodiak Construction	Z5101	Oakland	A58417A	10/5/18	11-2-401	11-2-401.5 - Failure to Revise
Restoration Management	Z4099	Hayward	A58493A	10/18/18	11-2-401.3	Inaccurate building type.
Synergy Enterprises Inc.	Z3988	Hayward	A58504A	10/22/18	11-2-401.5	Inaccurate start date.

<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>Comments</b>
Central Contra Costa Sanitary District	A0907	Martinez	A57323A	10/29/18	2-6-307	Excess of 129 PM limit.
Chevron Avon Terminal	A0091	Martinez	A58853A	10/5/18	8-5-322.1	Tear discovered on sec. seal of TK-104
Chevron Products Company	A0010	Richmond	A58139A	10/2/18	10	RCA 07E52; combustion of fuel gas with H2S >230 ms/lsem
Chevron Products Company	A0010	Richmond	A58140A	10/2/18	10	RCA #07E51; combustion of fuel gas with H2S >230 ms/lsem



Chevron Products Company	A0010	Richmond	A58141A	10/2/18	12-11-502.3	Did not pull required flare sample Dev 5033
Chevron Products Company	A0010	Richmond	A58142A	10/30/18	10	Combustion of gas with H2s >230 dscn; rolling 3 hr average RCA 07G80
Chevron Products Company	A0010	Richmond	A58143A	10/30/18	10	RCA 07G79; Dev 5132 40 CFR 60.104(a)(1) combustion of unscrubbed gas
Chevron Products Company	A0010	Richmond	A58144A	10/30/18	10	RCA 07H17; Dev 5156 40 CFR 60.104(a)(1) combustion of unscrubbed fuel gas.
Chevron Products Company	A0010	Richmond	A58145A	10/30/18	10	Dev 4741; 40 CFR 60-104(a)(1) flaring of unscrubbed vent gas.
Concord Ready Mix Inc	E3796	Antioch	A58254A	10/9/18	2-1-307	Exceeded throughput limit (p/c #26538, pt 1)
East Contra Costa Irrigation District	Z5211	Brentwood	A58637A	10/23/18	2-1-307	No annual 2" test in 2017.
El Sobrante Fuels Inc	Z5104	El Sobrante	A57667A	10/4/18	8-7-302.1	Uncertified breakaway #5
Phillips 66 Carbon Plant	A0022	Rodeo	A57718A	10/30/18	2-6-307	Engine exceeded its hours of operation limit. RCA 07H55 Dev #5179
Phillips 66 Company - San Francisco Refinery	A0016	Rodeo	A57717A	10/18/18	2-6-307	Tail gas incinerator (A424) temp dropped below minimum requirement. RCA 07H07
Pinole Flyers	Z5063	Pinole	A57666A	10/4/18	8-7-302.1	Uncertified breakaways (#1,2,4)
Professional Asbestos & Lead Services	L3921	Concord	A58491A	10/1/18	11-2-401.5	Inaccurate start date.
San Pablo Chevron	Z5119	Hilltop Mall	A57668A	10/10/18	2-1-307	Missing/incomplete source tests 2014-17

<b>Marin</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comments</b>
Duisenberg Construction	Z5209	San Anselmo	A55935A	10/16/18	11-2-401.3	10 working day wait period not met for Demo.
Laura Natkins	Z5099	Point Reyes Station	A58418A	10/5/18	11-2-401	11-2-401.3 - Failure to Notify
Novato Sanitary District	A1275	Novato	A56152A	10/2/18	2-1-307	Permit Condition Non-compliance
Sewerage Agency of South Marin	A1345	Mill Valley	A58104A	10/25/18	2-1-301	No A/C
Valentine Corporation	Z5065	San Rafael	A57665A	10/3/18	2-1-307	No record of 2018 pressure decay test. (last tested 1/11/17)
Valentine Corporation	Z5065	San Rafael	A57665B	10/3/18	8-7-302.5	Torn vapor hose (balance).

<b>Napa</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comments</b>
Bureau of Reclamation	U2427	Napa	A58560A	10/22/18	2-1-307	Uncertified PV valve according to Executive Order VR-301 Permit Condition #16516
Bureau of Reclamation	U2427	Napa	A58560B	10/22/18	8-7-301.2	Static pressure performance test has not been performed.
Bureau of Reclamation	U2427	Napa	A58561A	10/29/18	8-7-302.3	Dispenser #1 whip-hose has tear - not maintained.
California Highway Patrol	B1855	Napa	A58556A	10/4/18	2-1-307	Static Pressure Performance Test not completed within 12-month period, p/c #16516

United Rentals	Z5049	Napa	A58554A	10/1/18	2-1-307	Static pressure performance test not performed within 12 months of one another.
----------------	-------	------	---------	---------	---------	---

<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>Comments</b>
Deji Liu	Z5117	San Francisco	A58492A	10/10/18	11-2-401.5	Inaccurate start date
Golden State Warriors LLC	Y8780	San Francisco	A57569A	10/24/18	CCR	Failed adequately wet test.

<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>Comments</b>
Bay Pacific A/B	B6113	Belmont	A57570A	10/24/18	2-1-301	Expired permit to operate
Bay Pacific A/B	B6113	Belmont	A57570B	10/24/18	2-1-302	Expired permit to operate
BN Builders, Inc.	S6563	Redwood City	A58494A	10/23/18	11-2-401.5	Inaccurate start date.
Double AA Transportation, Inc	R1549	South San Francisco	A57670A	10/18/18	2-1-307	Annual source test overdue (last done on 12/20/16. Uncertified rebuild of VST non-reattachable brkwy
Double AA Transportation, Inc	R1549	South San Francisco	A57670B	10/18/18	8-7-302.1	Annual source test overdue (last done on 12/20/16. Uncertified rebuild of VST non-reattachable brkwy
Golden Auto Body & Paint	E1288	Redwood City	A58021A	10/25/18	2-1-302	Expired P/O
Paw Prints Inc	A7759	Redwood City	A58020A	10/24/18	2-1-301	No A/C, P/O for screen printing dryer

Paw Prints Inc	A7759	Redwood City	A58020B	10/24/18	2-1-302	No A/C, P/O for screen printing dryer
San Mateo Medical Center	A3887	San Mateo	A57568A	10/24/18	2-1-301	Permit expired on 5/1/18 due to non-payment.
San Mateo Medical Center	A3887	San Mateo	A57568B	10/24/18	2-1-302	Permit expired on 5/1/18 due to non-payment.

<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>Comments</b>
Armstrong Technology Inc	A0914	Sunnyvale	A58212A	10/22/18	2-1-307	Exceeded solvent usage per PC #06870
Central Concrete Supply Company	B0969	San Jose	A58187A	10/3/18	2-1-302	P/O Expired on 9/1/18
Clean Harbors San Jose, LLC	B1925	San Jose	A56526A	10/30/18	8-5-303.2	Pressure vacuum and tank fittings not gas tight
Clean Harbors San Jose, LLC	B1925	San Jose	A56526B	10/30/18	8-5-306.2	Pressure vacuum and tank fittings not gas tight
Craig A. Rogers	Z5221	San Jose	A58506A	10/24/18	11-2-401.3	Demo prior to 10 working days
Franklin Cleaners	B6408	Santa Clara	A57222A	10/24/18	1-410	Registration expired 6/1/2013
International Disposal Corp of CA	A9013	Milpitas	A58188A	10/31/18	2-6-307	Failure to maintain records of corrective actio for hourly temps >180F, over 6 hours.
Kirby Petroleum Inc	Z5213	Los Gatos	A57669A	10/16/18	8-7-301.1	No record of vapor testing in 2016. Uncertified pressure/vacuum valve.
Kirby Petroleum Inc	Z5213	Los Gatos	A57669B	10/16/18	2-1-307	No record of vapor testing in 2016. Uncertified pressure/vacuum valve.

Prime Builders	X5491	Santa Clara	A55665A	10/3/18	11-2-401.3	Expired demolition notification.
Prudential Insurance Co.	Z5224	Santa Clara	A57221A	10/23/18	2-1-301	Operating unpermitted generators.
Prudential Insurance Co.	Z5224	Santa Clara	A57221B	10/23/18	2-1-302	Operating unpermitted generators.
SFD	Z5058	San Jose	A58052A	10/2/18	11-2-304.1	Waste not in leak tight container, no notification.
SFD	Z5058	San Jose	A58052B	10/2/18	11-2-401.3	Waste not in leak tight container, no notification.
SFD	Z5058	San Jose	A58503A	10/2/18	11-2-303	303.1, 303.6, 303.9, 303.8
Z-Con Specialty Services	Z5219	San Jose	A58505A	10/24/18	11-2-303.6	No neg air machine on

<b>Solano</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comments</b>
A & A Gas	Z0380	Vallejo	A58557A	10/16/18	2-1-302	Operator did not renew permit to operate.
Arco	Z5059	Fairfield	A58555A	10/2/18	2-1-307	Operator did not perform air quality source testing within 12 months. Condition 23223.
Arco #6095	Z5218	Fairfield	A58559A	10/18/18	8-7-301.5	Missing gasket on 91-grade product fill side dust cap.
ASHRIA, LLC	Z5116	Suisun City	A58558A	10/11/18	2-1-307	Start-Up testing did not include an ISD shutdown test & dynamic back pressure for nozzle #8
Ultramar, Inc c/o TRC	A9570	Vallejo	A57482A	10/23/18	8-7-301.5	Broken handles east and premium tanks.

Ultramar, Inc c/o TRC	A9570	Vallejo	A57482B	10/23/18	8-7-302.2	Missing/wrong gaskets on dust caps. Breakaway on dispenser #2 missing its cover.
Ultramar, Inc c/o TRC	A9570	Vallejo	A58435A	10/23/18	8-7-302.2	Reversed breakaway/uncertified.
Vallejo Toyota	Z5268	Vallejo	A58562A	10/30/18	2-1-307	Unknown when static pressure perf test, vapor return line integrity test & vapor press reg test

<b>Sonoma</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comments</b>
Santa Rosa Chevron	Y7818	Santa Rosa	A57664A	10/2/18	2-1-302	Permit expired since 11/1/2017

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

There was 1 settlement(s) for \$10,000 or more completed in October 2018.

- 1) On October 4, 2018, the District reached settlement with Valero Refining Company - California for \$266,000, regarding the allegations contained in the following 22 Notices of Violation:

<b>NOV #</b>	<b>Issuance Date</b>	<b>Occurrence Date</b>	<b>Regulation</b>	<b>Comments from Enforcement</b>
A53889A	3/16/16	12/3/15	2-6-307	Excess 10 - 06X24) - CO> 100 PPM/day
A53890A	3/17/16	12/22/15	2-6-307	(Excess ID 06X53) - CO>100PPM/day
A53891A	3/18/16	11/13/15	9-1-307	(Excess ID-06X06) -S02>250 PPM
A53891B	3/18/16	11/13/15	10	(Excess ID 06X06) - SO2>250 ppm
A53892A	3/21/16	11/10/15	6-1-310	(05-6160) - particulate emissions>0.15 gr/DSCF. {DEV #956}
A54100A	2/8/16	9/5/15	8-5-304	Crude oil ib top of floating-roof. (<1-Barrel) [DEV 947]

A54101A	2/23/16	12/17/15	1-522.5	CEM Daily Collaboration missing
A54102A	2/25/16	7/1/15	8-18-402.1	(2 Quarters LDR) - Total 91 valves not identified/25 open-end lines {Dev #950/958}
A54102B	2/25/16	7/1/15	10	(2 Quarters LDR) - Total 91 valves not identified/25 open-end lines {Dev #950/958}
A54102C	2/25/16	7/1/15	8-18-401	(2 Quarters LDR) - Total 91 valves not identified/25 open-end lines {Dev #950/958}
A54560A	5/11/16	5/11/16	8-5-322.5	5 gaps of secondary seal greater than 0.06 inches totalling 19" on circumference.
A54561A	5/20/16	5/19/16	8-5-306.2	Vapor leaks from pressure relief device SV-17175 SV-17176A >500 PPM
A54562A	5/20/16	5/9/16	8-5-306.2	Vapor leaks from pressure relief devices >500 ppm (SV-1734B 1734C 1734D 17110 17111)
A56428A	6/28/16	10/5/15	2-6-307	Excess ID- 06W60/06W61- CO>100ppm&>4,402lbs/day. DEV#949
A56429A	7/5/16	10/7/15	2-6-307	(EXCESS ID 06W63) noX>150 PPM/day. {DEV # 949}
A56430A	7/8/16	10/5/15	2-6-307	(Excess ID-06W59)-CO>550PPM/1-HR.
A56431A	8/2/16	2/16/16	8-5-304	Liquid leakage through tank shell
A56432A	9/1/16	2/3/16	2-6-307	(Excess ID 06Y15/06Y53)- Excessive visible emissions (DEV # 960/963)
A56432B	9/1/16	2/3/16	6-1-302	(Excess ID 06Y15/06Y53)- Excessive visible emissions (DEV # 960/963)
A56434A	10/19/16	4/29/16	8-18-309	(2-QTRS LDAR) 5 open-end lines and 2-valves not inspected quarterly (DEV # 965/972)
A56434B	10/19/16	4/29/16	8-18-401.2	(2-QTRS LDAR) 5 open-end lines and 2-valves not inspected quarterly (DEV # 965/972)
A56453A	6/28/16	1/31/16	2-6-307	Episode 06X89; Exceeded daily CO @ 3% O2 connection limit on 1/31/16, 2/1/16 & 2/2/16. (S-1060) 959
A56454A	6/28/16	2/7/16	2-6-307	Exceeded NOx 3-hr average limit on 2/7/16 & 2/8/16 (06X95)
A56454B	6/28/16		1-522.7	Failed to report exceedance within 96 hours after occurrence (DEV #961)
A56455A	9/12/16		8-33-305	Vapor recovery hose leaks >3,000 ppm
A56456A	10/12/16	8/2/16	8-33-309	P/V Valve leak (vacuum side) greater than 3,000 ppm

A56456B	10/12/16	8/2/16	8-33-305	P/V valve leak (vacuum side) greater than 3000 ppm
A56457A	12/8/16	10/26/16	1-522.6	Failed H2S/ TRS CEM Field Accuracy Test. ( test # 50-17)
A57328A	8/3/17	5/3/17	8-5-306.2	Vapor leaks from PRV's > 500ppm (SV-17160SP & SV17118)



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 14, 2018

Re: Set a Public Hearing for December 19, 2018 to Consider Adoption of Proposed Assembly Bill (AB) 617 Expedited Best Available Retrofit Control Technology (BARCT) Implementation Schedule, and the Certification of a Final Environmental Impact Report (EIR) Pursuant to the California Environmental Quality Act (CEQA)

---

**RECOMMENDED ACTION**

Set a Public Hearing for December 19, 2018 to Consider Adoption of proposed AB 617 Expedited Best Available Retrofit Control Technology (BARCT) Implementation Schedule and Certification of a Final Environmental Impact Report (EIR) pursuant to the California Environmental Quality Act (CEQA).

**DISCUSSION**

Assembly Bill 617, approved July 26, 2017, amends California Health and Safety Code section 40920.6 et seq. and requires each air district that is a nonattainment area for one or more air pollutants to adopt an expedited schedule for implementation of best available retrofit control technology (BARCT) on specified facilities by the earliest feasible date, but no later than December 31, 2023. Local air districts are required to adopt this schedule before January 1, 2019. This requirement applies to each industrial source subject to California Greenhouse Gas (GHG) Cap-and-Trade requirements. The overall purpose of BARCT implementation is to reduce criteria pollutant emissions from significant industrial sources that currently participate in the GHG Cap-and-Trade system.

In developing the Expedited BARCT Implementation Schedule Air District staff reviewed the status of BARCT Implementation for all source categories at affected facilities and, as a result of that review, proposes six potential rule development projects aimed at addressing emissions from: 1) organic liquid storage tanks; 2) petroleum wastewater treating; 3) Portland cement manufacturing; 4) refinery fluid catalytic crackers and CO gas boilers; 5) refinery heavy liquid leaks; and 6) petroleum coke calcining.

Based on a CEQA Initial Study, staff developed an EIR for adoption of the Expedited BARCT Implementation schedule. The draft EIR for the Expedited BARCT Implementation Schedule concluded that air quality impacts associated with the construction of air pollution control equipment would be potentially significant after mitigation and cumulatively considerable. Water demand impacts from the operation of air pollution control equipment were found to be potentially significant after mitigation and cumulatively considerable. Mitigation measures are required for air quality impacts from construction activities and water demand impacts from operation of air pollution control equipment.

### SCHEDULE DEVELOPMENT PROCESS

Air District staff posted the CEQA Notice of Preparation / Initial Study of environmental impacts on August 7, 2018. Air District staff conducted a CEQA Scoping Meeting on August 24, 2018 at the Air District's offices. Comments for the CEQA analysis were due by September 7, 2018. The CEQA Initial Study and comments are found in the Draft Environmental Impact Report, Appendix A.

Air District staff posted the draft schedule and concept paper on May 24, 2018 to solicit input, and accepted comments through June 15, 2018. Staff posted a revised draft schedule and initial staff report on September 5, 2018 to solicit input and identify any potential issues and concerns. Comments for the revised draft schedule and initial staff report were due by October 5, 2018. The Air District used the public's input, along with further investigation and analysis by staff to develop the proposed schedule and staff report, and present to the Air District's Board of Directors for their consideration.

Note that each individual rule development project will also follow the standard rule development process. As described in the schedule, rule development activity is anticipated to occur throughout the period from 2018 to 2021.

Pursuant to the California Environmental Quality Act (Public Resources Code § 21000 et seq.), notice is hereby given that the Air District Board of Directors will consider certification of the Environmental Impact Report that analyzes the proposed Expedited BARCT Implementation Schedule pursuant to Public Resources Code 15206, 15087(c) and section 21080(d) and CEQA Guidelines §15088 et seq.

### BUDGET CONSIDERATIONS/FINANCIAL IMPACTS

Provisions in the schedule will have minor impacts on Rule Development, Engineering, Meteorology and Measurements, and Compliance and Enforcement. In each case, increases in work will be handheld consistently with existing workload priorities. No increase in personnel or costs is anticipated.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: David Joe  
Reviewed by: Victor Douglas

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 14, 2018

Re: Set a Public Hearing for December 19, 2018 to Consider Adoption of Amendments to Three Regulations Impacting Refineries: Amendments to Regulation 6, Rule 5: Particulate Matter from Refinery Fluid Catalytic Cracking Units; Amendments to Regulation 11, Rule 10: Hexavalent Chromium Emissions from All Cooling Towers and Total Hydrocarbon Emissions from Petroleum Refinery Cooling Towers; Amendments to Regulation 12, Rule 15: Petroleum Refining Emissions Tracking; and Certification of a Final Environmental Impact Report Pursuant to the California Environmental Quality Act (CEQA)

---

RECOMMENDED ACTION

Set a Public Hearing for December 19, 2018 to Consider Adoption of Proposed Amendments to Regulation 6, Rule 5: Particulate Matter from Refinery Fluid Catalytic Cracking Units, Adoption of Proposed Amendments to Regulation 11, Rule 10: Hexavalent Chromium Emissions from All Cooling Towers and Total Hydrocarbon Emissions from Petroleum Refinery Cooling Towers, Adoption of Proposed Amendments to Regulation 12, Rule 15: Petroleum Refining Emissions Tracking and Certification of a Final Environmental Impact Report (EIR) Pursuant to the California Environmental Quality Act (CEQA).

DISCUSSION

Amendments to the three Refinery rules are being proposed to implement commitments made in settling two lawsuits filed regarding the initial adoption of these rules. The proposed amendments clarify exemptions, definitions, and requirements for specific sections of all three rules.

- Amendments to Rule 6-5 are simply clarifications of original intent.
- Amendments to Rule 11-10 reduce monitoring of cooling towers for hydrocarbon leaks from daily to weekly, with provisions to extend monitoring periods after proving no leaks for an extended time. Costs for daily monitoring were found to be excessive relative to the potential hydrocarbon emission reductions. Requirements for cooling tower best management practices and reporting were eliminated when found to be focused primarily on Process Safety Management and cooling water chemistry rather than leak detection.
- Amendments to Rule 12-15 established thresholds for reporting requirements for non-crude oil feedstock imports, and processes for handling and securing confidential information were clarified.

A draft EIR was prepared for all three proposed amended rules as individual projects under CEQA, and the three proposed amended rules are being addressed in a single EIR for administrative convenience. The draft EIR finds that air quality impacts will be significant because the proposed amendments to Rule 11-10 involve changing existing monitoring requirements for refinery cooling towers. Changing monitoring frequency as proposed in amendments to Rule 11-10 would not result in an increase in actual emissions because the amendments are consistent with how the Rule has been implemented since its adoption. However, the change in monitoring frequency, when compared to the rule language as adopted, could theoretically allow for an emissions impact since less frequent monitoring may allow a potential future leak to go undetected for a longer period of time. The Air District's believes that a theoretical impact of increased emissions relative to the rule language that was never implemented does not require analysis under CEQA. However, for the sake of transparency and thoroughness, the Air District is analyzing these theoretical impacts so that the public understands the difference between the rule as it was originally adopted (though not implemented) and the rule as proposed.

The only feasible method to reduce emissions of reactive organic gases from cooling towers is more frequent monitoring and repair, but this method was concluded to not be feasible due to economic factors as per CEQA Guidelines §15364. Thus, no feasible mitigation measures have been identified that could avoid the significant impact or reduce the impact to less than significant.

#### RULE DEVELOPMENT PROCESS

Air District staff posted the CEQA Notice of Preparation / Initial Study of environmental impacts on August 1, 2018. Air District staff conducted a CEQA Scoping Meeting on Monday, August 20, 2018 at the Air District's office's. Comments for the CEQA analysis were due by Friday, September 7, 2018. The CEQA Initial Study and comments are found in the Draft Environmental Impact Report, Appendix A.

Air District staff posted the proposed amendments to Rule 6-5, Rule 11-10, and Rule 12-15 and initial staff report on August 20, 2018 to solicit input and identify any potential issues and concerns. Comments for the draft amendments and initial staff report were due by Friday, September 21, 2018. The Air District used the public's input, along with further investigation and analysis by staff to develop the final proposed amendments, and present to the Air District's Board of Directors for their consideration.

Pursuant to the California Environmental Quality Act (Public Resources Code § 21000 et seq.), notice is hereby given that the Air District Board of Directors will consider certification of the Environmental Impact Report that analyzes the proposed amendments to all three regulations pursuant to Public Resources Code 15206, 15087(c) and section 21080(d) and CEQA Guidelines §15088 et seq.

## BUDGET CONSIDERATIONS/FINANCIAL IMPACTS

Provisions in these amendments to all three regulations will have minor impacts on Engineering, Meteorology and Measurements, and Compliance and Enforcement. In each case, increases in work will be handheld consistently with existing workload priorities. No increase in personnel or costs is anticipated.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Guy Gimlen  
Reviewed by: Victor Douglas

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 8, 2018

Re: Report of the Executive Committee Meeting of November 19, 2018

**RECOMMENDED ACTION**

The Executive Committee (Committee) may recommend Board of Directors' approval of the following items:

A) Hearing Board Quarterly Report: July – September 2018

1) None; receive and file.

B) Bay Area Regional Collaborative (BARC) Update

1) None; receive and file.

C) Update on Production System Office and Authorization to Execute Contract Amendments for Production System Office

1) Recommend Board of Directors authorize the Executive Officer/APCO to execute contract amendments with the following vendors in the amount listed in Table 1.

D) Update on Air District Implementation of Assembly Bill 617 (AB 617)

1) None; receive and file

E) Committee Chair Reports on Board of Directors Meeting Agendas

1) Provide direction to staff regarding placement of Committee Chair Reports on Board of Directors Meeting agendas.

**BACKGROUND**

The Committee will meet on Monday, November 19, 2018, and will receive the following reports:

A) Hearing Board Quarterly Report: July – September 2018;

B) Bay Area Regional Collaborative (BARC) Update;

- C) Update on Production System Officer and Authorization to Execute Contract Amendments for Production System Office;
- D) Update on Air District Implementation of Assembly Bill 617 (AB 617); and
- E) Committee Chair Reports on Board of Directors Meeting Agendas.

Chairperson David Hudson will provide an oral report of the Committee meeting.

BUDGET CONSIDERATION/FINANCIAL IMPACT

- A) None;
- B) None;
- C) Funding for the vendor contract recommendations is included in 309 and 125 program budgets for Fiscal Year Ending 2019;
- D) None; and
- D) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

- Attachment 12A: 11/19/18 – Executive Committee Meeting Agenda #4
- Attachment 12B: 11/19/18 – Executive Committee Meeting Agenda #5
- Attachment 12C: 11/19/18 – Executive Committee Meeting Agenda #6
- Attachment 12D: 11/19/18 – Executive Committee Meeting Agenda #7
- Attachment 12E: 11/19/18 – Executive Committee Meeting Agenda #8



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Executive Committee

From: Chairperson Valerie J. Armento, Esq., and  
Members of the Hearing Board

Date: November 7, 2018

Re: Hearing Board Quarterly Report: July – September 2018

---

**RECOMMENDED ACTION**

None; receive and file.

**DISCUSSION**

During the second calendar quarter of 2018 (July - September), the Hearing Board:

- Held no hearings (four were scheduled but cancelled);
- Processed a total of four orders; and
- Collected a total of \$11,119.00 in filing fees.

Below is a detail of Hearing Board activity during the same period:

---

**Location:** Contra Costa County; City of Martinez

**Docket:** 3709 – Chevron Products Company – Request for Emergency Variance

**Regulation(s):** Regulation 8, Rule 5, Section 322.1 (Organic Compounds, Storage of Organic Liquids, Secondary Seal Requirements)

**Synopsis:** The Chevron Avon Terminal is a petroleum marketing and distribution terminal and receives petroleum products by pipeline and tanker truck. The Terminal operates petroleum storage tanks and blending equipment to provide fuel products to retail gasoline facilities. Tank 104 is the only tank used to store denatured ethanol at the Terminal. On June 27, 2018, Terminal personnel discovered defects on the secondary seal on Tank 104 while performing a semiannual tank seal inspection through the rooftop hatch. The Applicant identified tears on five feet of the secondary seal which is approximately 103 feet long and is installed around the circumference of the floating roof. The Applicant worked expeditiously to resolve this matter. The incident was unexpected and unforeseen because in January of 2015, a new secondary seal was installed in Tank 104 following an inspection. Tank 104 has been properly maintained in accordance with industry standards, so the new secondary seal on Tank 104 should have remained in service for many years without the need for repairs. The Applicant attempted to have the seal repaired while Tank 104 was in service. In the past, contractors would perform such repairs. Due to safety concerns, however, the

contractors are no longer willing to make repairs to tanks while in service. Instead, the Tank needed to be drained and degassed before the contractors would perform the work. The Terminal pursued approvals for another contractor that was willing to perform in-service repairs to tanks in the future but anticipated a waiting period to obtain the proper approvals for any new contractors to ensure that the contractor could meet Chevron standards.

**Status:** Application for Emergency Variance filed by Applicant on July 2, 2018; District staff response received on July 5; Hearing Board response received on July 9, 2018; Order Denying Emergency Variance filed on July 9.

**Period of Variance:** June 28, 2018 to July 28, 2018

**Estimated Excess Emissions:** 0.26 lbs. per day of Volatile Organic Compound, or 8.06 lbs total

**Fees collected this quarter:** \$1,149.00

---

**Location:** Contra Costa County; City of Richmond

**Docket:** 3710 – West Contra Costa Sanitary Landfill, Inc. – Request for Interim and Regular Variances

**Regulation(s):** Regulation 8, Rule 34, Section 301 (Organic Compounds, Solid Waste Disposal Sites, Landfill Gas Collection and Emissions Control System Requirements); and Regulation 8, Rule 34, Section 219 (Organic Compounds, Solid Waste Disposal Sites, Continuous Operation)

**Synopsis:** The facility's internal combustion (IC) engines (S-5, S-6, and S-37) were in need of start-up and break in to ensure they were operating at optimum before a source test could be performed as required. The landfill gas being extracted was not of a quality that could initiate the start-up of the engine(s) without them shutting down before completely warming up. The applicant requested a variance from the permit conditions cited above to allow the utilization of propane or compressed natural gas (CNG) to be injected into the engines' pre-combustion chambers along with landfill gas for the initial start-up of the engine(s). This requirement of the engine was unforeseen when it was being rebuilt; the issue was discovered once the engine had been re-installed onsite and initial operation was attempted. It is assumed that the other IC Engines will have the same issue if/when they are rebuilt.

**Status:** Application filed on July 6, 2018; interim and regular variance hearings scheduled for August 14 and October 30; applicant requested to withdraw application on August 2; Order for Dismissal filed on August 2.

**Period of Variance Requested:** July 6, 2018 to July 6, 2019

**Estimated Excess Emissions:** 0.40 lbs of nitrogen oxide per day, or 146 lbs total

**Fees collected this quarter:** \$7,942.00

---

**Location:** Contra Costa County; City of Martinez

**Docket:** 3711 – Chevron Products Company – Request for Short-Term Variance

**Regulation(s):** Regulation 8, Rule 5, Section 322.1 (Organic Compounds, Storage of Organic Liquids, Secondary Seal Requirements)

**Synopsis:** Chevron filed this application following the denial of its application for Emergency Variance (see Docket No. 3709) regarding the same matter on July 10, 2018. The Chevron Avon Terminal is a petroleum marketing and distribution terminal and receives petroleum products by pipeline and tanker truck. The Terminal blends products and distributes the blended products to retail gasoline facilities and operates petroleum storage tanks and blending equipment. Tank 104 is the only tank used to store denatured ethanol at the Terminal. On June 27, 2018, Terminal personnel discovered defects on the secondary seal on Tank 104 while performing a semiannual tank seal inspection through the rooftop hatch. The Applicant identified tears on five feet of the secondary seal which is approximately 103 feet long and is installed around the circumference of the floating roof. The Applicant worked expeditiously to resolve this unexpected and unforeseen incident. In January of 2015, a new secondary seal was installed in the subject tank following an inspection and Tank 104 has been properly maintained in accordance with industry standards.. The Applicant attempted to have the seal repaired while Tank 104 was in service. Due to safety concerns, however, the contractors are no longer willing to make repairs to tanks while in service. Instead, the Tank needed to be drained and degassed before the contractors would perform the work. The Terminal pursued approvals for another contractor that was willing to perform in-service repairs to tanks in the future but anticipated a waiting period to obtain the proper approvals for any new contractors to ensure that the contractor could meet Chevron standards.

**Status:** Applicant submitted application on July 13, 2018; Hearing scheduled for August 21; hearing continued to September 11 on August 20; Applicant requested to withdraw application on September 7; Order for Dismissal filed on September 10.

**Period of Variance Requested:** June 28, 2018 to July 21, 2018

**Estimated Excess Emissions:** 0.26 lbs. per day of Volatile Organic Compound, or 5.98 lbs total

**Fees collected this quarter:** \$2,028.00

---

**Location:** Alameda County, City of Piedmont

**Docket:** 3712 - APCO vs. City Gateline, LLC., et al – Accusation

**Regulation(s):** Regulation 2, Rule 1 (Permits, General Requirements)

**Synopsis:** Respondents have owned or operated a gasoline dispensing facility in Piedmont, California, for which they must hold a District permit to operate pursuant to District Regulation 2, Rule 1. District records indicated they have owned or operated the facility since at least March 2011 but had not had a current or valid permit to operate the facility since May 1, 2011. The District was informed and believed and alleged that Respondents knew they must hold a permit to conduct auto body coating operations, since at least April 1, 2010, but that despite knowledge, had been operating it without one since at least May 1, 2011. Complainant sought an order that Respondents cease conducting these operations unless and until they obtain a District permit to do so.

**Status:** Accusation filed on August 6, 2018; hearing scheduled for September 11; hearing continued to October 21 on August 28; request to dismiss action filed by Complainant on September 18; Order for Dismissal filed on September 19.

---

Respectfully submitted,

Valerie J. Armento, Esq.  
Chair, Hearing Board

Prepared by: Marcy Hiratzka  
Reviewed by: Vanessa Johnson

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson David Hudson and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 7, 2018

Re: Bay Area Regional Collaborative (BARC) Update

---

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

The Bay Area Regional Collaborative (BARC) consists of Board/Commission representatives of the four regional agencies and provides a forum for discussing issues of regional importance.

DISCUSSION

At the upcoming Executive Committee meeting, the BARC Director, Allison Brooks, will provide an update on the activities of BARC.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None.

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 David Hudson and Members  
of the Executive Committee

From: Jack P. Broadbent,  
Executive Officer/APCO

Date: November 7, 2018

Re: Update on Production System Office and Authorization to Execute Contract  
Amendments for Production System Office

RECOMMENDED ACTION

Recommend the Board of Directors authorize the Executive Officer/APCO to execute contract amendments with the following vendors in the amounts listed in Table 1.

<b>Table 1</b>		
<b>Vendor</b>	<b>Amount</b>	<b>Service Description</b>
C&G Technology Services	\$244,285	Software testing services for the permitting and compliance system.
Clearsparc	\$461,953	Software architecture, design, development, build and release management services for the permitting and compliance system.
Cylogy	\$250,341	Backend website content management system integration, customization and infrastructure support.
IdeaBlade	\$303,874	Software architecture, design, development, build and release management services for the major facility portal.
ITDependz	\$244,618	Business analysis and user experience services for the permitting and compliance system.
Malinda Lai	\$25,704	Website content management and infrastructure support.
Trinity Technology Group	\$328,664	Legacy data management and transfer services. Business analysis, database rules and logic implementation.
<b>TOTAL</b>	<b>\$1,859,439</b>	

## BACKGROUND

Air District staff will provide an update and demonstration of the My Air Online permitting and compliance system progress for the third calendar quarter 2018 and discuss the goals for the remainder of the year.

Also, Air District staff is recommending contract amendments for existing vendors assisting with software development and website management support to meet 2019 Fiscal Year (FY) goals.

## DISCUSSION

The Production System Office is composed of the Permitting and Compliance System, Data Services and Online Services. These systems and services abide by a continuous improvement process whereby existing functionality is maintained while new features are implemented extending functionality to match evolving business requirements. These efforts include expanding permitting and compliance system functionality, extending the availability of tools for website content management, and expanding our web presence.

To continue supporting the Air District's content management infrastructure and enhance current programs, staff plans to focus on the following activities for the remainder of the 2019 FY:

- Code overhaul to support upgrading the Air District's web content management system
- Development to support the redesign and new data visualization for air quality data
- New website templates to support specialized programs
- Continuation of website language translation
- Issuance of refinery renewals
- Health Risk Assessments
- Permit Applications for Non-Title V sources
- Enforcement actions
- Complaint processing

Staff recommends the continued use of vendors proven familiar with the production system office for the remainder of the 2019 FY. The Air District has successfully collaborated with Cylogy and Malinda Lai in the design, development and testing of the language translation system and website content management system in prior engagements. The Air District has also successfully collaborated with C&G Technology Services, Clearsparc, Inc., IdeaBlade, ITDependz, and Trinity Technology Group in prior design, software development and quality assurance engagements.

<b>Vendor</b>	<b>Type of Services</b>	<b>Initial Contract</b>	<b>Procurement Method</b>
C&G Technology Services	Software testing services for the permitting and compliance system.	<a href="#">FYE 2013*</a>	Selected the firm and resources through an informal bid process.

Clearsparc	Software architecture, design, development, build and release management services.	<a href="#">FYE 2015*</a>	Request for Qualifications (RFQ). One of three firms to respond. Had staff expertise and availability to perform the required scope of work.
Cylogy	Backend website content management system integration, customization and infrastructure support.	<a href="#">FYE 2013</a>	Request for Proposal (RFP) rebid in FYE 2014. One of four firms to respond that had appropriate staff, expertise, and availability to perform the required scope of work.
IdeaBlade	Software development for the major facility portal.	<a href="#">FYE 2018</a>	New Request for Quotation (RFQ) was done in FYE 2018.
ITDependz	Business analysis and user experience services for the permitting and compliance system.	<a href="#">FYE 2012*</a>	Selected the firm and resources through an informal bid process.
Malinda Lai	Website content management system and infrastructure support.	<a href="#">FYE 2006</a>	Procurement occurred prior to the tenure of the web current team.
Trinity Technology Group	Legacy data management and transfer services. Business analysis, database rules and logic implementation.	<a href="#">FYE 2015*</a>	New Request for Qualifications (RFQ) was done in FYE 2018.
* Contractors requalified via December 2017 Request for Qualification process.			

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

Funding for the vendor contract recommendations is included in 309 and 125 program budgets for Fiscal Year Ending 2019.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Blair Adams  
Reviewed by: Damian Breen



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 7, 2018

Re: Update on Air District Implementation of Assembly Bill 617 (AB 617)

**RECOMMENDED ACTION**

None; receive and file.

**DISCUSSION**

On September 27, 2018, the California Air Resources Board (CARB) approved the Bay Area Air Management District's (Air District) recommended communities for development of a community monitoring plan and a community emission reduction plan for the state's Community Air Protection Program. The Community Air Protection Program was established by the state to implement Assembly Bill 617 (AB 617).

West Oakland was approved for an emission reduction plan and the Richmond area was selected for a monitoring plan in year one of the state's program. The West Oakland Environmental Indicators Project (WOEIP) will be our co-lead in the West Oakland effort. WOEIP has a long history of community planning and advocacy to reduce residents' exposure to diesel particulate matter and toxic air contaminants. In Richmond, we have an opportunity to leverage many historic and current monitoring studies. There are a complex mix of emission sources in the Richmond area. Our primary goal of the Richmond monitoring effort will be to better characterize the area's mix of sources and to more fully understand the associated air quality and pollution impacts before initiating an emissions reduction plan for that community.

The Air District included in its recommendations to CARB a list of communities for years two through five of the state's program. These communities included East Oakland/San Leandro, Eastern San Francisco, the Pittsburg-Bay Point area, San Jose, the Tri-Valley area, and Vallejo. Like Richmond and West Oakland, current data shows that these communities have higher levels of environmental exposures and more significant health burdens compared to the rest of the Bay Area. These health burdens increase vulnerability to environmental exposures. The recommended list of high priority communities for monitoring and/or emission reduction plans will be revisited and re-submitted to CARB every year. The CARB board makes the final decision about which communities will be selected for community plans for that year.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared By: Greg Nudd

EXECUTIVE COMMITTEE MEETING  
OF 11/19/2018

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 7, 2018

Re: Committee Chair Reports on Board of Directors Meeting Agendas

---

**RECOMMENDED ACTION**

Provide direction to staff regarding placement of Committee Chair reports on Board of Directors meeting agendas.

**BACKGROUND**

Historically, reports out of Board of Directors' committee meetings have been placed on Board of Directors' meeting agendas as separate agenda items after the Consent Calendar, and before presentations, hearings, etc. Each of these agenda items commences with the reading by the Committee Chair, or, in their absence, Vice Chair or other Committee Member of a brief report on the committee meeting being considered. If there are action items, the member reading the report moves that the Board take action on the committee's recommendations. Chairperson David Hudson has suggested that the Executive Committee consider changing this practice and instead, place committee reports on the agenda as part of the Consent Calendar.

**DISCUSSION**

The current practice for handling committee reports to the Board of Directors is not dictated by the Air District's Administrative Code or any other legal requirement. Accordingly, it is entirely at the Board's discretion on how it wishes to proceed with placing committee reports on the Board of Directors meeting agendas. If the decision is to place committee reports on the Consent Calendar, staff will prepare a cover memo for each committee meeting report item that briefly describes the topics covered at the committee meeting and identifies any recommendations approved by the committee.

**BUDGET CONSIDERATIONS/FINANCIAL IMPACT**

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Brian C. Bunger

EXECUTIVE COMMITTEE MEETING  
OF 11/19/2018

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Hudson and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: November 6, 2018

Re: Update on Canadian Oil Sands Crude

---

**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

Over the past number of years, environmental advocacy, community and non-governmental organizations (NGO) have come to numerous board meetings to express concerns about the prospect and practice of refining what they term progressively “heavier” crude oils at Bay Area refineries. These groups have particularly expressed concerns about the climate and local air quality impacts of refining Canadian oil sands crudes.

Oil sands or tar sands are loose sands or partially consolidated sandstone containing a naturally occurring mixture of sand, clay, water and an extremely viscous form of petroleum known as bitumen. These types of petroleum deposits are found in Kazakhstan, Russia, and Venezuela but the largest reserves worldwide are found in Canada. The total proven reserves of oil sands globally are estimated at approximately 250 billion barrels, of which 179 billion barrels or 71 percent, are in Alberta, Canada. The Athabasca oil sands are Alberta’s largest bitumen deposit and the largest bitumen deposit in the world, containing about 80 percent of the Alberta total reserve. Canada’s total oil sands reserve is estimated to be the third largest in the world behind the conventional crude oil reserves of Saudi Arabia and Venezuela and account for about 10 percent of proven petroleum reserves.

Oil sands crude is extracted using two methods 1) surface mining and 2) in-situ steam extraction. Both of these processes are greenhouse gas, water, and energy intensive and, in the case of surface mining, require significant disturbance of the existing environment and subsequent remediation. Oil sands also contain significant amounts of hydrogen sulfide, similar to California crudes which also require additional processing as part of refining.

## DISCUSSION

Staff and guests will provide the Board of Directors with background on Canadian Oil Sands crude; local concerns regarding oil sands crude use and a recap on total Canadian crude oil use at Bay Area Refineries.

## BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Victor Douglas and Nicholas Maiden  
Reviewed by: Damian Breen