



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

## BOARD OF DIRECTORS REGULAR MEETING

April 3, 2019

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

### Questions About an Agenda Item

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

### Meeting Procedures

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

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

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

## Public Comment Procedures

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

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

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

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

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

# BOARD OF DIRECTORS REGULAR MEETING AGENDA

WEDNESDAY  
APRIL 3, 2019  
9:30 A.M.

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

## CALL TO ORDER

Chairperson, Katie Rice

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.*

## CLOSED SESSION

2. **CONFERENCE WITH LEGAL COUNSEL**

### **EXISTING LITIGATION (Government Code Section 54956.9(a))**

*Pursuant to Government Code Section 54956.9(a), a need exists to meet in closed session with legal counsel to consider the following case:*

- A. Michael Bachmann and Sarah Steele v. Bay Area AQMD, Contra Costa County Superior Court, Case No. C17-01565

## OPEN SESSION

### PUBLIC COMMENT ON NON-AGENDA MATTERS

3. **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 4-9)

Staff/Phone (415) 749-

4. Minutes of the Regular Board of Directors Regular Meeting of March 6, 2019  
Clerk of the Boards/5073

*The Board of Directors will consider approving the draft minutes of the Board of Directors Regular Meeting of March 6, 2019.*

5. Board Communications Received from March 6, 2019 through April 2, 2019  
**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 March 6, 2019 through April 2, 2019, if any, will be at each Board Member's place.*

6. 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.*

7. Notices of Violations Issued and Settlements in Excess of \$10,000 in the month of February 2019  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*In accordance with Resolution No. 2012-08, the Board of Directors will receive a list of all Notices of Violations issued, and all settlements for amounts in excess of \$10,000 during the month of February 2019.*

8. Authorization to Execute Contract with Regional Climate Protection Authority of Sonoma County  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Board of Directors will consider authorizing the Executive Officer/APCO to execute a contract with the Regional Climate Protection Authority of Sonoma County for \$80,000. This contract is for a second phase of collaboration to implement climate protection activities, bringing the total amount for both phases of the collaboration to \$160,000.*

9. Authorization to Execute Contract with MIG Inc., for Community Engagement and Facilitation Services for the Assembly Bill (AB) 617 Richmond-San Pablo Area Community Air Monitoring Plan Development  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Board of Directors will consider authorizing the Executive Officer/APCO to execute a contract with MIG Inc., in an amount not to exceed \$116,080, for the Assembly Bill (AB) 617 Richmond-San Pablo Area Community Air Monitoring Plan Development.*

## **COMMITTEE REPORTS**

10. Report of the **Advisory Council** Meeting of March 11, 2019  
**BOARD LIAISON: R. Sinks**  
**J. Broadbent/5052**  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Committee received the following reports:*

### **A) Discussion on Election of Officers**

- 1) *None; receive and file.*

**B) Presentation of the Environmental Protection Agency (EPA) Integrated Science Assessment for Particulate Matter (External Review Draft)**

1) *None; receive and file.*

**C) Proposed Particulate Matter Symposium**

1) *None; receive and file.*

**D) Deliberation on Questions Related to Particulate Matter**

1) *None; receive and file.*

For the full Council Agenda packet and materials click on the link below:

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

11. Report of the **Community and Public Health Committee** Meeting of March 14, 2019

CHAIR: S. Zane

J. Broadbent/5052

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

*The Committee received the following reports:*

**A) Bay Area Smoke Impacts from Wildland Fires and Lessons Learned**

1) *None; receive and file.*

**B) Approval of Contract to Further Develop an Air Quality Technical Assistance Center for the Bay Area**

1) *Recommend Board of Directors authorize the Executive Officer/APCO to execute a contract with Kearns and West in an amount not to exceed \$540,000, to develop a technical assistance center for use by Bay Area community members.*

**C) Update on the James Cary Smith Community Grants for Fiscal Year Ending (FYE) 2019-2020 and Upcoming Assembly Bill (AB) 617 Capacity Building Community Grants**

**\*Staff requested this item be discussed as an informational item only\***

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

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

12. Report of the **Stationary Source Committee** Meeting of March 18, 2019

CHAIR: R. Sinks

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

*The Committee received the following reports:*

A) **Update on Implementation of Rule 11-18, Reduction of Risk from Air Toxic Emissions at Existing Facilities**

1) *None; receive and file.*

B) **Refinery and Flare Overview**

1) *None; receive and file.*

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

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

13. Report of the **Executive Committee** Meeting of March 20, 2019

CHAIR: K. Rice

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

*The Committee received the following reports:*

A) **Hearing Board Quarterly Report: October 2018 – December 2018**

1) *None; receive and file.*

B) **Report of the Advisory Council Meeting from March 11, 2019**

1) *None; receive and file.*

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

1) *None; receive and file.*

D) **Consider Recommending the Board of Directors Accept New Grant Program Revenue Resulting from Assembly Bill (AB) 617**

1) *Approve the Bay Area Air Quality Management District's (Air District) acceptance of the Fiscal Year Ending (FYE) 2019, Community Protection Program funds; and*

2) *Authorize the Executive Officer/APCO to execute all necessary agreements with the California Air Resources Board (CARB) to implement the program.*

**E) Consider Recommending the Board of Directors Authorize Execution of a Master Services Agreement (MSA) for Air Quality Mapping and Associated Services**

- 1) *The Committee will recommend the Board of Directors consider authorizing the Executive Officer/APCO to execute a two-year Master Services Agreement (MSA) with Aclima in an amount not to exceed \$5,980,000 over two years for hyperlocal, background air quality mapping of the entire Bay Area, a data repository and web portal, and community capacity building activities.*

**F) Consider Recommending the Board of Directors Authorize Execution of Contract Amendments for Production System Office**

- 1) *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.*

**G) Consider Recommending the Board of Directors Authorize Execution of Contracts for Build-Out of a Portion of the Richmond, Lakeside Drive Building**

- 1) *This agenda item was tabled and will be presented at an upcoming Ad Hoc Building Oversight Committee Meeting scheduled for Wednesday, April 3, 2019.*

**H) 2018 – 2019 Winter Spare the Air Program Overview**

- 1) *None; receive and file.*

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

14. Report of the **Budget and Finance Committee** Meeting of March 22, 2019  
CHAIR: C. Groom

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

*The Committee received the following reports:*

**A) Discussion of Proposed Budget for Fiscal Year Ending (FYE) 2020**

- 1) *The Executive Officer/APCO requests that the Budget and Finance Committee review the Proposed Budget for Fiscal Year Ending (FYE) 2020 and make any recommendations for further discussions to be held during the April 22, 2019 Budget and Finance Committee Meeting.*

**B) Proposed Amendments to Regulation 3: Fees**

- 1) *None; receive and file.*

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

15. Report of the **Technology Implementation Office Steering Committee** Meeting of March 25, 2019  
CHAIR: C. Chavez  
J. Broadbent/5052  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Committee received the following reports:*

**A) Overview of Technology Implementation Office**

*1) None; receive and file.*

**B) Climate Tech Finance Program Overview and Launch**

*1) None; receive and file.*

**C) Potential Projects and Future Directions**

*1) None; receive and file.*

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

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

16. Report of the **Legislative Committee** Meeting of March 27, 2019  
CHAIR: D. Kim

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

*The Committee received the following reports:*

**A) Update on March 8, 2019, Legislative Tour of West Oakland and March 18, 2019, Legislative Hearing on Assembly Bill (AB) 617 Program**

*1) None; receive and file.*

**B) Consideration of New Bills**

*1) Recommend the Board of Directors take the following positions on proposed legislation:*

- *Senate Bill 44 – Nancy Skinner (D-Berkeley) - “Support” position if amendments include more explicit air district participation.*
- *Senate Bill 45 – Ben Allen (D-Santa Monica) - “Support” position if amendments include “clean air centers” as a funding category.*
- *Assembly Bill 1744 – Rudy Salas (D-Bakersfield) – “Oppose” position.*

**C) Assembly Bill (AB) 836 Bay Area Clean Air Incentive Program**

*1) None; receive and file.*

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

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



17. Report of the **Mobile Source Committee** Meeting of March 28, 2019

CHAIR: D. Canepa

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

*The Committee received the following reports:*

**A) Projects and Contracts with Proposed Grant Awards Over \$100,000**

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

**B) 2019 Greenhouse Gas Reduction Funds (GGRF)**

- 1) *Authorize the Bay Area Air Quality Management District (Air District) to accept, obligate, and expend new funding for the Funding Agricultural Reduction Measures for Emission Reductions (FARMER) Program and the Community Air Protection Grant Program, and approve corresponding authorizing resolutions.*

**C) Fiscal Year Ending (FYE) 2020 Transportation Fund for Clean Air (TCFA) Program Funding Allocation**

- 1) *Approve the proposed allocation of \$14 million in new Transportation Fund for Clean Air (TFCA), monies to the programs and projects listed in Table 1;*
- 2) *Authorize the proposed cost-effectiveness limits for the Bay Area Air Quality Management District (Air District) -sponsored programs and projects listed in Table 2; and*
- 3) *Authorize the Executive Officer/APCO to enter into funding agreements and contracts up to \$100,000 for projects and programs listed in Table 1.*

**D) Electric Vehicle (EV) Ecosystem Update: Status of Light-Duty EV Adoption in the Bay Area**

- 1) *None; receive and file.*

18. Report of the **Ad Hoc Building Oversight Committee** Meeting of April 3, 2019  
CHAIR: M. Ross  
J. Broadbent/5052  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*The Committee will receive the following report:*

**A) Consider Recommending the Board of Directors Authorize Execution of Contracts for Build-Out of a Portion of the Richmond, Lakeside Drive Building**

- 1) *Recommend the Board of Directors authorize the Executive Officer/APCO to obtain bids and execute contracts to build out approximately 7,300 square feet of the Richmond, Lakeside building with cubicles and offices, in an amount not to exceed \$1,800,000.*

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

**PRESENTATION**

19. Presentation from the Government Alliance on Race and Equity (GARE) Co-Director  
J. Broadbent/5052  
[jbroadbent@baaqmd.gov](mailto:jbroadbent@baaqmd.gov)

*Dwayne Marsh, Vice President of the Local and Regional Government Alliance on Race and Equity will present an overview on racial equity, and discuss his agencies work with local and regional agencies in the Bay Area.*

**COMMENDATION/PROCLAMATION/AWARD**

20. *The Board of Directors will recognize Air District employees who participated in the 2018 Government Alliance on Race and Equity Program (GARE).*

**PUBLIC COMMENT ON NON-AGENDA MATTERS**

21. **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**

22. *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**

23. Report of the Executive Officer/APCO

24. Chairperson's Report

25. Time and Place of Next Meeting:

*Wednesday, May 1, 2019, at 375 Beale Street, San Francisco, CA 94105 at 9:30 a.m.*

26. Adjournment

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

## **CONTACT:**

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

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

- To submit written comments on an agenda item in advance of the meeting. Please note that all correspondence must be addressed to the “Members of the Board of Directors” and received at least 24 hours prior, excluding weekends and holidays, in order to be presented at that Board meeting. Any correspondence received after that time will be presented to the Board at the following meeting.
- To request, in advance of the meeting, to be placed on the list to testify on an agenda item.
- Any writing relating to an open session item on this Agenda that is distributed to all, or a majority of all, members of the body to which this Agenda relates shall be made available at the District’s offices at 375 Beale Street, Suite 600, San Francisco, CA 94105, at the time such writing is made available to all, or a majority of all, members of that body.

### **Accessibility and Non-Discrimination Policy**

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

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

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

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

Questions regarding this Policy should be directed to the Air District’s Non-Discrimination Coordinator, Rex Sanders, at (415) 749-4951 or by email at [rsanders@baaqmd.gov](mailto:rsanders@baaqmd.gov).

# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

375 BEALE STREET, SAN FRANCISCO, CA 94105

FOR QUESTIONS PLEASE CALL (415) 749-4941

## EXECUTIVE OFFICE:

### MONTHLY CALENDAR OF AIR DISTRICT ANTICIPATED MEETINGS

#### APRIL 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Ad Hoc Building Oversight Committee Meeting	Wednesday	3	9:00 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Regular Meeting	Wednesday	3	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Climate Protection Committee	Monday	22	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Budget and Finance Committee	Monday	22	10:30 a.m.	1 <sup>st</sup> Floor, Board Room
Board of Directors Legislative Committee	Wednesday	24	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	25	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Stationary Source Committee	Monday	29	9:30 a.m.	1 <sup>st</sup> Floor Board Room

#### MAY 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting	Wednesday	1	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Special Meeting Budget Hearing	Wednesday	15	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Regular Meeting	Wednesday	15	10:00 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Climate Protection Committee	Thursday	16	9:30 a.m.	1 <sup>st</sup> Floor Board Room
Board of Directors Community and Public Health Committee	Monday	20	9:30 a.m.	1 <sup>st</sup> Floor, Board Room
Board of Directors Legislative Committee	Wednesday	22	9:30 a.m.	1 <sup>st</sup> Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	23	9:30 a.m.	1 <sup>st</sup> Floor Board Room

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Minutes of the Board of Directors Regular Meeting of March 6, 2019

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RECOMMENDED ACTION

Approve the attached draft minutes of the Board of Directors Regular Meeting of March 6, 2019.

DISCUSSION

Attached for your review and approval are the draft minutes of the Board of Directors Regular Meeting of March 6, 2019.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Justine Buenafior  
Reviewed by: Vanessa Johnson

Attachment 4A: Draft Minutes of the Board of Directors Regular Meeting of March 6, 2019

## AGENDA 4A – ATTACHMENT

Draft Minutes - Board of Directors Regular Meeting of March 6, 2019

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

Board of Directors Regular Meeting  
Wednesday, March 6, 2019

### **DRAFT MINUTES**

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

### **CALL TO ORDER**

1. **Opening Comments:** Board of Directors (Board) Chairperson, Katie Rice, called the meeting to order at 9:34 a.m.

#### **Roll Call:**

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

Absent: Directors Rafael Mandelman, Nate Miley, and Hillary Ronen.

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

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

Public comments were given by Jan Warren, Interfaith Climate Action Network of Contra Costa County.

NOTED PRESENT: Director Kniss was noted present at 9:36 a.m.

### **CONSENT CALENDAR (ITEMS 3 – 11)**

3. **Minutes of the Board of Directors Regular Meeting of February 6, 2019**
4. **Board Communications Received from February 6, 2019 through March 5, 2019**
5. **Air District Personnel on Out-of-State Business Travel**
6. **Notices of Violation Issues and Settlements in Excess of \$10,000 in the month of January 2019**

7. **Quarterly Report of California Air Resources Board Representative – Hon. John Gioia**
8. **Quarterly Report of the Executive Office and Division Activities for the months of October 2018 – December 2018**
9. **Consider Adopting Amendments to the Air District’s Administrative Code, Division I: Operating Policies and Procedures, Section 6: Board of Directors, Committees, Section 6.2: Standing Committees and Section 6.10: Public Engagement Committee**
10. **Referral of Proposed Budget for Fiscal Year Ending (FYE) 2020 to the Budget & Finance Committee**

CHAIR RICE PULLED ITEM 11 FROM THE CONSENT CALENDAR

Public Comments on Items 3-10

No requests received.

Board Comments on Items 3-10

None.

Board Action on Items 3-10

Director Hudson made a motion, seconded by Director Canepa to **approve** the Consent Calendar Items 3 through 10, inclusive; and the motion **carried** by the following vote of the Board:

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

NOTED PRESENT: Vice Chair Sinks was noted present at 9:42 a.m.

11. **Projects with Proposed Grant Awards over \$100,000 (PULLED FROM CONSENT CALENDAR)**

Mobile Source Committee Chair, Director Canepa, introduced Damian Breen, Deputy Air Pollution Control Officer of Technology, who introduced Adam Shapiro, Acting Supervising Staff Specialist, who gave the staff presentation *Projects and Contracts with Proposed Grant Awards Over \$100,000*, including; Carl Moyer Program, Mobile Source Incentive Fund, and Community Health Protection Grant Program; project recommendations over \$100,000; status of Moyer incentive funds for FYE 2018 and 2019; and recommendations.

Public Comments

No requests received.



## Board Comments

The Board and staff discussed whether the school bus retrofit projects being recommended will be compressed natural gas or zero-emission (electric); and the reason for recommending the funding of the Caltrans locomotive projects at a Board meeting without having first presented them to the Mobile Source Committee.

## Board Action

Director Wagenknecht made a motion, seconded by Director Hudson, to **approve** Carl Moyer Program projects requesting grant funding in excess of \$100,000 and authorization for the Executive Officer/APCO to execute grant agreements for the recommended projects; and the motion **carried** by the following vote of the Board:

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

NOTED PRESENT: Secretary Chavez and Director Mitchoff were noted present at 9:47 a.m.

## COMMITTEE REPORTS

### 12. **Report of the Personnel Committee Meeting of February 20, 2019**

Personnel Committee Chair, Jim Sperring, read the following Committee report:

*The Committee met on Wednesday, February 20, 2019, and approved the minutes of July 12, 2018.*

*The Committee then reviewed and discussed the reappointment of Dr. Peter Chiu, the Principal Member Incumbent in the Medical Category of the Air District's Hearing Board. Dr. Chiu's current three-year term will expire on April 20, 2019. The Committee and staff discussed the recruitment process and then interviewed Dr. Chiu. The Committee recommends the Board approve:*

- 1. The appointment of incumbent, Dr. Peter Chiu, as Principal Member in the Medical category of the Hearing Board, effective April 20, 2019.*

*The consensus of the Committee members present was to re-open the recruitment for the position of Alternate member in the Medical category of the Hearing Board, effective immediately. Several Committee members expressed their desire for a longer recruitment period than the duration of the previous recruitment.*

*The next meeting of the Personnel Committee will be held at the call of the Chair. I move that the Board approve the Personnel Committee recommendation. This concludes the Chair Report of the Personnel Committee.*

Public Comments

No requests received.

Board Comments

None.

Board Action

Director Sperring made a motion, seconded by Director Hudson, to **approve** the appointment of incumbent, Dr. Peter Chiu, as Principal Member in the Medical category of the Hearing Board, effective April 20, 2019; and the motion **carried** by the following vote of the Board:

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

13. **Report of the Public Engagement Committee Meeting of February 21, 2019**

Public Engagement Committee Chair, Shirlee Zane, read the following Committee report:

*The Committee met on Thursday, February 21, 2019 and approved the minutes of October 19, 2018.*

*The Committee reviewed and discussed the staff presentation 2019 Workplan for the Community and Public Health Committee. Jack P. Broadbent, Executive Officer and Air Pollution Control Officer, explained that at the next full Board of Directors meeting on March 6, 2018, the Board is expected to amend the Administrative Code to expand the function and change the name and the responsibilities of this committee. The **new Community and Public Health Committee** will review and provide input to staff on community outreach and engagement related to the implementation of Assembly Bill 617, wood smoke rules, clean air centers, Air District activities supporting local public health efforts responding to air quality events, etc., and will make recommendations on same to the Board when budget, formal policy, or other action is required, or as the committee determines important for the Board's review.*

*The Committee also reviewed and discussed the staff presentation Air Pollution and Public Health.*

*Finally, the Committee reviewed and discussed the staff presentation Prioritization Framework for School Air Filter Supplemental Environment Project. The Committee recommends the Board:*

- 1. Approve the Air District enter into contract with IQAir North America for the installation of air filtration systems in sensitive receptor facilities, specifically local schools, in Bay Area communities; and*
- 2. Approve criteria that will be used to select local schools for installation of air filtration systems.*

*The next meeting of the Committee will be held on Thursday, March 14, 2019, at 9:30 a.m. I move that the Board approve the Committee recommendations. This concludes the Chair Report.*

Public Comments

No requests received.

Board Comments

The Board and staff discussed the cost and funding source of the Prioritization Framework for School Air Filter Supplemental Environmental Project.

Board Action

Director Zane made a motion, seconded by Director Kniss, to **approve** the recommendations of the Public Engagement Committee; and the motion **carried** by the following vote of the Board:

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

NOTED PRESENT: Director Kim was noted present at 9:52 a.m.

**14. Report of the Budget & Finance Committee Meeting of February 27, 2019**

Budget & Finance Committee Chair, Director Groom, read the following Committee report:

*The Committee met on Wednesday, February 27, 2019, and approved the minutes of January 23, 2019.*

*The Committee reviewed and discussed the presentation Presentation of Audit Results, given by Simpson & Simpson, LLC.*

*The Committee then reviewed and discussed the staff presentation Second Quarter Financial Report – Fiscal Year Ending 2019.*

*The Committee then reviewed and discussed the staff presentation The Bay Area Economy Overview: Economic Growth, Jobs, and Housing.*

*Finally, the Committee reviewed and discussed the staff presentation Air District Financial Plan Overview.*

*The next meeting of the Budget and Finance Committee will be held on Friday, March 22, 2019, at 9:30 a.m. This concludes the Chair Report of the Budget and Finance Committee.*

Public Comments

No requests received.

Board Comments

None.

Board Action

None; receive and file.

**15. Report of the Legislative Committee Meeting of February 28, 2019**

Legislative Committee Chair, Director Kim, read the following Committee report:

*The Legislative Committee met on Thursday, February 28, 2019, and approved the minutes of January 14, 2019.*

*The Committee considered new bills introduced as part of this California Legislative Session, position suggestions by staff, and recommends that the Board of Directors adopts the following positions:*

- *Assembly Bill 40 (Ting): Requires the California Air Resources Board to develop a strategy to ensure all new motor vehicles and light-duty trucks are zero-emission by 2040 (SUPPORT IF AMENDMENTS INCLUDE MORE EXPLICIT AIR DISTRICT PARTICIPATION);*
- *Assembly Bill 210 (Voepel): Exempts from the Smog Check Program all motor vehicles manufactured prior to 1983 (OPPOSE); and*
- *Senate Bill 210 (Leyva): Creates a Heavy-Duty Vehicle Inspection & Maintenance Program and a “smog check” for non-gasoline vehicles in excess of 14,000 pounds gross vehicle weight. (SUPPORT).*

*Finally, the Committee discussed the Air District’s wildfire smoke public health bill, (Assembly Bill 836), which was introduced by Assembly member Buffy Wicks on February 20, 2019 and may be heard by the Assembly’s Committee on Natural Resources on March 23, 2019.*

*The next meeting of the Legislative Committee will be held on Wednesday, March 27, 2019, at 9:30 a.m. I move that the Board approve the Committee’s recommendations. This concludes the Chair’s report of the Legislative Committee.*

Public Comments

No requests received.

Board Comments

None.

## Board Action

Director Kim made a motion, seconded by Director Cutter, to **approve** the recommendations of the Legislative Committee; and the motion **carried** by the following vote of the Board:

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

## PRESENTATION

### 16. **Historical Health Inequities Associated with Air Pollution**

Dr. Judith Cutino, Health Officer, gave a presentation containing data provided by the Alameda County Department of Public Health, *Historical Health Inequities of Air Pollution*, including: what puts people at risk of health impacts from air pollution; air quality is influenced by multiple factors, including proximity to highways, railways, truck routes, seaport, and airports; cancer, heart disease, stroke and chronic lower respiratory disease are the top five leading causes of death; health inquiries did not happen overnight – they have deep historical roots; long-standing disinvestment and persistent poverty means fewer resources and weaker infrastructure to support health; racism impacts who has to live in high-poverty neighborhoods with barriers to good health; African Americans are especially exposed to and impacted by cumulative health risks; and to improve air quality and health, we must reduce air pollution exposures and maximize health co-benefits in our most impacted communities.

NOTED PRESENT: Director Abe-Koga was noted present at 9:59 a.m.

### Public Comments

Public comments were given by Jed Holtzman, 350 Bay Area.

### Board Comments

The Board and staff discussed the request that “cancer” be broken down into types of cancer when the Air District lists leading causes of death in future presentations; the request that the Air District analyzes cumulative impacts of air pollution; the implications of legislation that supports transit-rich housing; the Air District’s legal history with housing developers; the suggestion for personalized public outreach to specific ethnic communities to increase their opportunity to understand how to best protect their health; the Children’s Health Study at the University of Southern California; the importance of the Air District’s collaboration with the Association of Bay Area Governments and Metropolitan Transportation Commission’s task force regarding housing policy reforms (CASA Compact); how top-down approaches coming from government agencies, though well-intentioned, can be harmful to communities; the suggestion of using AB 617 (Community Air Protection Program) to empower and unite disinvested communities, and how AB 617 provides the Air District an opportunity to improve methods of building capacity and equipping communities to help themselves; the history of health inequities in the Bay Area and consequences; redlining loan rating maps; and whether California

Environmental Quality Act guidelines are an appropriate tool to mitigate impacts of poor land use planning.

NOTED PRESENT: Director Ross was noted present at 10:37 a.m.; Director Haggerty was noted present at 10:42 a.m.

Board Action

None; receive and file.

**PUBLIC COMMENT ON NON-AGENDA MATTERS**

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

No requests received.

**BOARD MEMBER COMMENTS**

**18. Board Member Comments**

- Director Hudson reported that he attended the Rethink Methane Symposium in Sacramento on February 26-27.
- Vice Chair Sinks reported that he attended the Architectural Intelligence Conference on March 1, hosted by the American Institute of Architects' Silicon Valley Chapter, and recommends that the Board request a presentation on building decarbonization from Panama Bartholomy.
- Director Kniss announced that climate change is the City of Palo Alto's primary initiative for 2019, and requested that other jurisdictions that have best practices, implementation strategies, or data and measurements regarding similar efforts contact her.
- Director Ross commented about how economic, not only racial decisions, can result in disinvestment of an area.

**OTHER BUSINESS**

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

Mr. Broadbent reported the following:

- The Winter Spare the Air program concluded at the end of February; a summary of activity during the Winter Spare the Air season will be presented to the Executive Committee on March 20, 2019.
- Chevron refinery is experiencing flaring activity today, due to a power outage that is under investigation.
- Air District staff attended a City Council meeting at the City of Milpitas on March 5, 2019 and presented about the Air District's upcoming odor management study.
- Therese McMillan, the new Executive Director of the Metropolitan Transportation Commission, was introduced.

- Air District staff spoke about its response to 2017 and 2018 fires at the Air & Waste Management Association's Wildfires and Air Quality Conference in Santa Rosa on February 13-14, 2019.

20. **Chairperson's Report**

Chair Rice congratulated Director Haggerty on his recent appointment to the Board.

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

Wednesday, April 3, 2019, at 375 Beale Street, San Francisco, CA 94105 at 9:30 a.m.

22. **Adjournment**

The meeting adjourned at 11:03 a.m.

Marcy Hiratzka  
Clerk of the Boards

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Board Communications Received from March 6, 2019 through April 2, 2019

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

Copies of communications directed to the Board of Directors received by the Air District from March 6, 2019, through April 2, 2019, if any, will be at each Board Member's place at the April 3, 2019, Board meeting.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Justine Buenaflor  
Reviewed by: Vanessa Johnson



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

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

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RECOMMENDED ACTION

None; receive and file.

BACKGROUND

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

The report covers the out-of-state business travel for the month of March 2019. The monthly out-of-state business travel report is presented in the month following travel completion.

DISCUSSION

There were no out-of-state business travel activities that occurred in the month of March 2019.

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 Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Notices of Violations Issued and Settlements in Excess of \$10,000 February 2019

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 Violation 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. Bunger

Attachment 7A: Notices of Violations for the Month of February 2019

**NOTICES OF VIOLATIONS ISSUED**

The following Notice(s) of Violations were issued in February 2019:

<b>Alameda</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Alameda County GSA	A8996	Dublin	A57391A	2/25/2019	9-7-307.5	Failed source test on 12/13/18.
Berkeley Forge & Tool Inc.	A0819	Berkeley	A58341A	2/4/2019	2-1-301	No A/C submitted for new boilers/new boiler not permitted.
Berkeley Forge & Tool Inc.	A0819	Berkeley	A58341B	2/4/2019	2-1-302	No A/C submitted for new boilers/new boiler not permitted.
City of Emeryville	Z4776	Emeryville	A57916A	2/26/2019	2-1-302	No permit to operate. Permit expired 8/1/2012.
Engine Research Company	Z5798	San Lorenzo	A58442A	2/13/2019	2-1-302	Expired Permit to Operate.
Lakeshore Chevron	Z5864	Oakland	A58444A	2/21/2019	8-7-301.5	Frozen 91 & 89-grade vapor adapters.
Pacific Galvanizing	A0456	Oakland	A57884A	2/28/2019	2-1-307	Condition 14095 Part 3 not properly abated.
Republic Services Vasco Road, LLC	A5095	Livermore	A57390A	2/22/2019	2-6-307	Failure to continuously abate.
Safeway Fuel Center	Z5818	Alameda	A58443A	2/20/2019	8-7-301.5	#2 product & #3 vapor adapters' torque out of tolerance.

<b>Contra Costa</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Big House Beans	E3777	Antioch	A58259A	2/27/2019	2-1-307	A-1 not equipped w/temp measuring/recording device.
D&D Ready Mix Inc.	E3903	Byron	A58260A	2/27/2019	2-1-301	Installed batch plant without A/C or PO.

D&D Ready Mix Inc.	E3903	Byron	A58260B	2/27/2019	2-1-302	Installed batch plant without A/C or PO.
Don's Gas	Z5863	Concord	A59039A	2/20/2019	8-7-301.2	87-g drop tube is ~ 2ft from bottom of tank.
Kellog Creek Agregates, Inc.	A6330	Byron	A58256A	2/22/2019	9-8-501	Monitoring Initial Demonstration of Compliance.
Kellog Creek Agregates, Inc.	A6330	Byron	A58256B	2/22/2019	9-8-503	Monitoring Quarterly Demonstration of Compliance.
Kellog Creek Agregates, Inc.	A6330	Byron	A58257A	2/22/2019	9-8-501	Monitoring Initial Demonstration of Compliance.
Kellog Creek Agregates, Inc.	A6330	Byron	A58257B	2/22/2019	9-8-503	Monitoring Quarterly Demonstration of Compliance.
Kellog Creek Agregates, Inc.	A6330	Byron	A58258A	2/22/2019	9-8-501	Monitoring Initial Demonstration of Compliance.
Kellog Creek Agregates, Inc.	A6330	Byron	A58258B	2/22/2019	9-8-503	Monitoring Quarterly Demonstration of Compliance.
Martinez Vallero	Z5792	Martinez	A59037A	2/11/2019	8-7-301.5	87-g vapor adaptor static torque > 108 lb. - in.
Phillips 66 Company - San Francisco Refinery	A0016	Rodeo	A57727A	2/13/2019	2-6-307	Title V Permit Condition.
Phillips 66 Company - San Francisco Refinery	A0016	Rodeo	A59054A	2/26/2019	2-6-307	Source test results were not submitted within 45 days. Dev 5344.
Safe Engineering	Z5836	Oakley	A58910A	2/25/2019	11-2-401.5	Inaccurate start date.
Safeway Stores Inc., Bakery Plant	A0093	Richmond	A56041A	2/25/2019	2-1-307	Condition # 24932-7,14.
Shell Martinez Refinery	A0011	Martinez	A58605A	2/21/2019	9-2-301	07E88 H2S > 0.06ppm/3min and 0.03ppm/60 mins.
Shell Martinez Refinery	A0011	Martinez	A58606A	2/21/2019	9-2-301	07E94 H2S > 0.06ppm/3 mins.

Shell Martinez Refinery	A0011	Martinez	A58607A	2/21/2019	9-2-301	07F17 H2S > 0.06ppm/3 mins.
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<b>Marin</b>						
Site Name	Site #	City	NOV #	Issuance Date	Regulation	Comment
Dan Gillies Construction	Z5755	Kentfield	A55938A	2/4/2019	11-2-401.3	10 day wait period not meet.

<b>San Mateo</b>						
Site Name	Site #	City	NOV #	Issuance Date	Regulation	Comment
Booster Fuels, Inc.	Z5881	San Mateo	A58638A	2/26/2019	8-33-304.4	Uncertified Gasoline Transfer Between Cargo Trucks.
Booster Fuels, Inc.	Z5881	San Mateo	A58638B	2/26/2019	8-33-304.6	Uncertified Gasoline Transfer Between Cargo Trucks.
Gas & Shop/Andy's BP Inc.	Z4864	South San Francisco	A58327A	2/5/2019	8-7-302.3	Excessive taggable defects (3 of 8 nozzles gpm <5.0).
San Mateo Auto Services	Y4157	San Mateo	A58326A	2/11/2019	8-7-302.1	Operation of two gas nozzles (#4 & #7) not certified under CARB VR-203.
San Mateo Beacon	Z5600	San Mateo	A58528A	2/11/2019	8-7-503	Failure to meet record keeping requirements (throughput data & ST results) after NTC A46913.
SFD	Z4504	San Bruno	A58517A	2/6/2019	11-2-401.5	Inaccurate start date.

<b>Santa Clara</b>						
Site Name	Site #	City	NOV #	Issuance Date	Regulation	Comment
City of Sunnyvale- Corp. Yard-161-1	B5524	Sunnyvale	A58215A	2/25/2019	2-1-301	No authority to construct.

City of Sunnyvale- Corp. Yard-161-1	B5524	Sunnyvale	A58215B	2/25/2019	2-1-302	No permit to operate.
International Disposal Corp. of CA	A9013	Milpitas	A58879A	2/4/2019	2-6-307	Failure to record hourly temperature on composting operation.
International Disposal Corp. of CA	A9013	Milpitas	A58880A	2/4/2019	8-34-301.2	Surface leaks at HC227 & EW561. Component leaks at #C227 & EW531.
International Disposal Corp. of CA	A9013	Milpitas	A58880B	2/4/2019	8-34-303	Surface leaks at HC227 & EW561. Component leaks at #C227 & EW531.
International Disposal Corp. of CA	A9013	Milpitas	A58880C	2/4/2019	CCR	CCR17 95465(A)(1) - Surface leaks at HC227 & EW561. Component leaks at #C227 & EW531.
L P Enterprises, LLC	B8748	San Jose	A58189A	2/5/2019	2-1-302	District permit to operate expired.
SFPP, LP	A4020	San Jose	A58881A	2/19/2019	8-33-306	Product spilled by driver, emissions released.
TC Construction	Z5835	San Jose	A59079A	2/25/2019	11-2-401.3	Late notifier - failure to notify.
Z-Best Products	Z3821	Gilroy	A57361A	2/6/2019	2-1-301	Vermeer grinder, alteration of stockpile location.
Z-Best Products	Z3821	Gilroy	A57361B	2/6/2019	2-1-302	Vermeer grinder, alteration of stockpile location.

<b>Solano</b>						
Site Name	Site #	City	NOV #	Issuance Date	Regulation	Comment
California Dept of Forestry FPDC Camp #8	E1206	Suisun City	A59036A	2/7/2019	2-1-307	Static Pressure Performance test not conducted within 12 months of each other. Permit Cond #16516.

Solano County Div. of Architectural Service	B8994	Fairfield	A59035A	2/7/2019	2-1-307	Static pressure performance test not conducted within 12- months of another; PC #100054.
Valero Refining Company - California	B2626	Benicia	A58454A	2/20/2019	8-5-306.2	No gas tight.
Valero Refining Company - California	B2626	Benicia	A58455A	2/27/2019	10	40CFR-60.482-7 Code of Federal Regulation.

<b>Sonoma</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Republic Services of Sonoma County, Inc.	A2254	Petaluma	A58158A	2/8/2019	2-6-307	Source test #19069.
Santa Rosa Water - Laguna Treatment Plant	A1403	Santa Rosa	A58108A	2/8/2019	2-6-307	Deviation #5352 - PC#24751.
Santa Rosa Water - Laguna Treatment Plant	A1403	Santa Rosa	A58109A	2/8/2019	2-6-307	Deviation #5352 - PC #24751.

<b>District Wide</b>						
<b>Site Name</b>	<b>Site #</b>	<b>City</b>	<b>NOV #</b>	<b>Issuance Date</b>	<b>Regulation</b>	<b>Comment</b>
Carmax	Z4044	Richmond	A58529A	2/28/2019	2-1-307	Phase I system not installed as certified per CARB EO VR- 402.
Resource Env	Z5874	Long Beach	A58911A	2/28/2019	11-2-401.5	401.5 - Inaccurate Start Date.

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

There were 0 settlement(s) for \$10,000 or more completed in February 2019.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Authorization to Execute Contract with Regional Climate Protection Authority of  
Sonoma County

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**RECOMMENDED ACTION**

Authorize the Executive Officer/APCO to execute a contract with the Regional Climate Protection Authority of Sonoma County for \$80,000. This contract is for a second phase of collaboration to implement climate protection activities, bringing the total amount for both phases of the collaboration to \$160,000.

**BACKGROUND**

The Regional Climate Protection Authority (RCPA) of Sonoma County was formed in 2009 through locally sponsored State legislation to coordinate countywide climate protection efforts among Sonoma County's nine cities and multiple county agencies. In July 2016, the RCPA issued the Sonoma County Regional Climate Action Plan (RCAP), which provides a common template for climate action by cities throughout the county. The GRANTEE is working with cities in Sonoma County to implement the greenhouse gas (GHG) reduction measures described in the RCAP, as well as to update their local climate action plans to address the long-range GHG reduction targets for 2030 and 2050.

**DISCUSSION**

The Air District has a long history of collaboration with Sonoma County to implement a variety of programs and activities to reduce GHG emissions. Many measures included in the RCAP complement the control strategy in the Air District's Clean Air Plan. In 2018, the Air District executed an \$80,000 contract with the RCPA to promote the implementation, by local jurisdictions throughout Sonoma County, of key climate protection policies and measures common to both the Sonoma RCAP and the Clean Air Plan. The RCPA has proposed to continue this work in 2019 with an additional \$80,000, focusing on additional collaborative projects and further facilitating the implementation of the Sonoma RCAP. Specifically, the RCPA will prioritize key actions and measures within the Building Energy Use and Transportation & Land Use sectors, including collaboration on activities supporting the Air District's Diesel Free initiative and work to facilitate decarbonizing buildings. The two-year cost of these contracts will total \$160,000.



BUDGET CONSIDERATION / FINANCIAL IMPACT

None. Funding for this contract is included in the FYE 2018 budget.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Abby Young  
Reviewed by: Henry Hilken

Attachment 8A: Sonoma RCAP Scope of Work

**ATTACHMENT A**

**WORK PLAN**

GRANTEE is a legislatively created multi-jurisdictional agency created to coordinate countywide climate protection efforts for the County of Sonoma and all nine incorporated cities in the county. In July 2016 the GRANTEE issued the Sonoma County Regional Climate Action Plan (RCAP) entitled *Climate Action 2020 and Beyond*, the product of a collaborative effort by staff of the GRANTEE, the Sonoma County Transportation Authority, and each of the ten local jurisdictions. The RCAP provides a common template for climate action by cities throughout the county. The GRANTEE is working with cities in Sonoma County to implement the climate protection and greenhouse gas (GHG) reduction measures described in the RCAP, as well as to update their local climate action plans to address the long-range GHG reduction targets for 2030 and 2050. The RCAP is also intended to inform and inspire climate protection efforts on the part of the business sector, community groups, and residents of Sonoma County.

The Sonoma RCAP complements the regional climate protection strategy described in the *2017 Clean Air Plan* (2017 Plan) adopted by the DISTRICT's Board of Directors in April 2017. Both documents provide a comprehensive strategy to reduce GHG emissions from all economic sectors. Both plans also describe a similar long-range vision of the fundamental changes that will be needed to decarbonize our economy and to reduce GHG emissions 40% below 1990 levels by 2030 and 80% below 1990 levels by 2050.

The DISTRICT needs assistance and collaboration from local government agencies throughout the Bay Area to successfully implement many of the control measures in the 2017 Plan. Because of its leadership role in the county, and the strong correlation between the two climate strategies, Sonoma RCAP is well-positioned to help implement the DISTRICT's climate protection strategy in Sonoma County. Accordingly, the GRANTEE will use the funds provided by this grant to promote the implementation, by local jurisdictions throughout Sonoma County, of key climate protection policies and measures common to both the Sonoma RCAP and the 2017 Clean Air Plan during calendar year 2019. Specifically, the GRANTEE will prioritize key actions and measures within the Building Energy Use and Transportation & Land Use sectors given the significant potential to reduce GHGs and improve air quality that these sectors present.

Examples of specific initiatives and actions that the GRANTEE will take to help implement the control measures in the 2017 Clean Air Plan include:

- Facilitate the exchange of information and experience between the DISTRICT and Sonoma county jurisdictions, and facilitate communication between the DISTRICT and relevant stakeholder groups in the county.
- Promote the adoption of model ordinances and best practices developed by the DISTRICT to implement control measures in the 2017 Clean Air Plan by convening workshops and webcasts for local governments.
- Advocate for adoption of policies to promote clean energy and reduce the need for fossil fuels in buildings, transportation, and other sectors as Sonoma County jurisdictions continue to move forward to recover from the devastating October 2017 wildfires and build community resilience.
- Convene workshops or webinars to inform local governments in Sonoma County about grant opportunities and other resources and programs provided by the DISTRICT.

Present workshops or webinars to inform local governments in Sonoma County about the DISTRICT’s CEQA guidelines and thresholds of significance for analyzing the GHG impacts of proposed plans and projects.

Help local governments in Sonoma County incorporate quantification guidance and methodologies for GHG inventories and local climate action and general plan development as provided by the DISTRICT.

- Educate Sonoma County residents about effective actions they can take to reduce their own GHG footprint in relation to transportation, housing, and the food, goods, and services they consume. This may be accomplished by collaborating with the DISTRICT to launch a county-wide on-line platform to help residents analyze their GHG footprint and identify actions to reduce their GHG emissions.

The table below, based on measures described in the Sonoma County RCAP, summarizes key actions and measures that the GRANTEE may pursue to help implement both the Sonoma County RCAP and the DISTRICT’s 2017 Plan.

<b>Economic Sector</b>	<b>Sonoma County RCAP</b>
Building Energy Use	<ul style="list-style-type: none"> <li>• Expand efforts and pursue innovative programs to promote energy efficiency in existing residential and commercial buildings</li> <li>• Increase renewable energy use by implementing &amp; expanding the Sonoma Clean Power community choice energy program</li> <li>• Provide incentives &amp; financing options to promote switching equipment from fossil fuel to electricity</li> </ul>
Transportation & Land Use	<p>Work with the Sonoma County Transportation Authority, local cities, &amp; local transit providers to:</p> <ul style="list-style-type: none"> <li>• Promote the benefits of joining the <i>Diesel Free by 33</i> pledge and assist jurisdictions in identifying and adopting innovative solutions to eliminate diesel emissions and black carbon.</li> <li>• Reduce travel demand by promoting focused growth at SMART stations &amp; other transit hubs</li> <li>• Promote transit, bicycling and walking</li> <li>• Reduce the cost of transit passes</li> <li>• Expand Safe Routes to Schools programs and to create car-sharing &amp; bike-sharing programs</li> <li>• Increase vehicle and equipment fuel efficiency</li> <li>• Promote electric vehicles &amp; the installation of publicly-accessible EV chargers</li> <li>• Encourage the use of low-carbon fuels in vehicles and equipment, including local transit fleets</li> <li>• Reduce vehicle idling</li> </ul>
Agriculture	<ul style="list-style-type: none"> <li>• Reduce emissions of methane from livestock &amp; dairy operations by promoting practices such as methane digesters and dry composting or pasturing</li> <li>• Reduce emissions of methane and nitrous oxide from livestock &amp; dairy operations by promoting practices to reduce enteric fermentation, such as changes to animal diet</li> <li>• Investigate and promote other innovative strategies to reduce GHG emissions from the agricultural sector</li> </ul>

Natural & Working Lands	<ul style="list-style-type: none"> <li>• Support efforts to preserve natural &amp; working lands and to increase their carbon sequestration capacity</li> <li>• Promote efforts to add organic material to soils and increase local production of compost</li> <li>• Collaborate with local partner agencies to establish short-term and long-term targets for carbon sequestration</li> </ul>
Waste	<p>Work with Sonoma County Waste Management Agency to:</p> <ul style="list-style-type: none"> <li>• Promote recycling, reduce food waste, and increase the diversion of organics from the waste stream</li> <li>• Develop new waste-to-energy projects at landfills, wastewater treatment facilities, or other appropriate locations</li> </ul>
Water	<p>Work with the Sonoma County Water agency to:</p> <ul style="list-style-type: none"> <li>• Increase the use of recycled water</li> <li>• Reduce energy demand from wastewater treatment</li> <li>• Use carbon-free electricity for water delivery and water treatment systems</li> </ul>
Consumer Education	<ul style="list-style-type: none"> <li>• Educate residents &amp; businesses about how to reduce the GHG emissions from the goods &amp; services they consume</li> <li>• Encourage local production of goods &amp; services with low GHG content</li> </ul>

**Payment**

The total amount of DISTRICT’s grant to GRANTEE is \$80,000, to be paid in four quarterly payments of \$20,000 each as provided in Paragraph 8 (Payment) of this Agreement. The quarters will cover the following periods:

- January through March 2019
- April through June 2019
- July through September 2019
- October through December 2019

Within 30 days of the end of each quarter, GRANTEE will submit a written progress report summarizing the actions and outcomes accomplished in the previous quarter pursuant to the Work Plan described above. DISTRICT will pay grant funds to GRANTEE upon receipt of GRANTEE’s progress reports as provided in Paragraph 8 (Payment) of this Agreement.

GRANTEE will submit its progress reports via email to: Abby Young, Manager of the DISTRICT’s Climate Protection Section, at: [ayoung@baaqmd.gov](mailto:ayoung@baaqmd.gov).

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Authorization to Execute Contract with MIG Inc., for Community Engagement and  
Facilitation Services for the Assembly Bill (AB) 617 Richmond-San Pablo Area  
Community Air Monitoring Plan Development

**RECOMMENDED ACTION**

Recommend the Board of Directors to authorize the Executive Officer/APCO to execute a contract with MIG Inc., in an amount not to exceed \$116,080, for community engagement and facilitation services for the Richmond-San Pablo Area Community Air Monitoring Plan Development.

**BACKGROUND**

Through the AB 617 Community Health Protection Program, the Air District is convening a multi-stakeholder steering committee to work with the Air District to develop a community air monitoring plan (Monitoring Plan) in the Richmond-San Pablo area, as required by AB 617. The purpose of the Monitoring Plan is to collect more local-scale, actionable information about air pollution issues in the Richmond-San Pablo area, and to provide information to guide future Community Emission Reduction Plans.

MIG's activities will focus on facilitation services and related support for the Steering Committee's development of the Monitoring Plan for the Richmond-San Pablo Area. The facilitation activities will assist the Steering Committee in meeting the timelines established by AB 617 and the California Air Resources Board (CARB).

**DISCUSSION**

On July 18, 2018, the Air District issued a request for qualifications (RFQs) for facilitation services in the Richmond-San Pablo Area. MIG Inc. was selected through the review process to provide stakeholder engagement, process design and facilitation services to launch the AB 617 community-driven process in the Richmond-San Pablo Area. MIG Inc. facilitated two large community summits and four Community Summit Design Team (CSDT) meetings over four months to shape the stakeholder engagement process for the Community Air Monitoring Plan. The eleven CSDT members evaluated the services provided by MIG Inc. and voted to continue working with MIG Inc. throughout the Community Air Monitoring Plan Development.

*Project Summary*

Funding will support the development and facilitation of an innovative, equitable, and inclusive community engagement structure to ensure participation at multiple levels throughout the Community Air Monitoring Plan development. MIG Inc. will serve as the neutral third-party facilitator and process advisor to this effort. MIG will coordinate closely with the Air District while ensuring the process is led by the community through the co-lead team, Steering Committee and other related community activities. The work scope is based on a project period of May 2019 to September 2020 or 17 months.

BUDGET CONSIDERATION/FINANCIAL IMPACT

Funding for the first phase of this contract is included in the Fiscal Year Ending (FYE) 2019 budget. Remaining funds required for this contract will be allocated from FYE 2020 budget.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Kristen Law  
Reviewed by: Greg Nudd

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Advisory Council Meeting of March 11, 2019

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**RECOMMENDED ACTION**

The Advisory Council (Council) received only informational items and has no recommendations or approval by the Board of Directors (Board).

**BACKGROUND**

The Council met on Monday, March 11, 2019, and received the following report:

- A) Discussion on Election of Officers;
- B) Presentation of the Environmental Protection Agency (EPA) Integrated Science Assessment for Particulate Matter (External Review Draft);
- C) Proposed Particulate Matter Symposium; and
- D) Deliberation on Questions Related to Particulate Matter.

Board Liaison, Rod Sinks, will provide an oral report of the Council meeting.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

- A) None;
- B) None;
- C) None; and
- D) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 10A: Advisory Council Meeting Agenda #4 – 03/11/2019  
Attachment 10B: Advisory Council Meeting Agenda #5 – 03/11/2019  
Attachment 10C: Advisory Council Meeting Agenda #6 – 03/11/2019  
Attachment 10D: Advisory Council Meeting Agenda #7 – 03/11/2019



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Stan Hayes and Members  
of the Advisory Council

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 27, 2019

Re: Discussion on Election of Officers

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RECOMMENDED ACTION

None; receive and file.

DISCUSSION

Per Health and Safety Code Section 40267, the council shall select a chairperson and vice chairperson and such other officers as it deems necessary.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Justine Buenaflor  
Reviewed by: Jeff McKay

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Stan Hayes and Members  
of the Advisory Council

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 27, 2019

Re: Presentation of the Environmental Protection Agency (EPA) Integrated Science  
Assessment for Particulate Matter (External Review Draft)

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

The Council will receive a presentation on the Environmental Protection Agency (EPA) Integrated Science Assessment for Particulate Matter (External Review Draft) from Jason Sacks, Epidemiologist with the United States EPA.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Jeif McKay

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Stan Hayes and Members  
of the Advisory Council

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 27, 2019

Re: Proposed Particulate Matter Symposium

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RECOMMENDED ACTION

None; receive and file.

DISCUSSION

Air District staff propose that the Advisory Council (Council) convene a Symposium on the topic of Particulate Matter (PM) for its October meeting. Recent work by the Council has included a focus on the need for health focused attainment guidelines beyond those already in effect.

While a federal review of existing guidelines would be welcome, the need for timely action suggests that the Air District's constituents, and perhaps a broader audience, would be served by the convening of expert and interested parties. Participants would include those who may have been convened at the federal level, local health officials, and community groups.

The Symposium would have goals of educating attendees, reviewing the complexities of PM characterization, reviewing current Air District actions on PM, and setting the stage for possible Air District actions such as establishing guidelines beyond those already in effect at federal, state and local levels.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Jeff McKay

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Stan Hayes and Members  
of the Advisory Council

From: Jack P. Broadbent  
Executive Officer/APCO

Date: February 27, 2019

Re: Deliberation on Questions Related to Particulate Matter

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**RECOMMENDED ACTION**

None; receive and file.

**DISCUSSION**

The Advisory Council (Council) has considered the need for health focused attainment guidelines beyond those already in effect. The Air District seeks to investigate such possible guidelines with input from the Council. Deliberations in the March 11, 2019, meeting are intended to be followed by further deliberations in the summer meeting, with results providing input to the Particulate Matter (PM) Symposium in October.

Staff invites Council deliberations on the following questions:

- Are current standards sufficiently health protective?
- What health inequities exist relative to PM?
- What metrics can be used to address these questions?
  - Concentration?
  - Exposure?
  - Risk (complexities of PM characterization)?
  - Health Outcomes?
- What are the most important actions that can be taken now? And in the future?

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Jeff McKay

ADVISORY COUNCIL MEETING  
OF 03/11/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Community and Public Health Committee Meeting of March 14, 2019

**RECOMMENDED ACTION**

The Community and Public Health Committee (Committee) recommends Board of Directors' approval of the following items:

- A) Bay Area Smoke Impacts from Wildland Fires and Lessons Learned
  - 1) None; receive and file.
- B) Approval of Contract to Further Develop an Air Quality Technical Assistance Center for the Bay Area
  - 1) Recommend Board of Directors authorize the Executive Officer/APCO to execute a contract with Kearns and West in an amount not to exceed \$540,000, to develop a technical assistance center for use by Bay Area community members.
- C) Update on the James Cary Smith Community Grants for Fiscal Year Ending (FYE) 2019-2020 and Upcoming Assembly Bill (AB) 617 Capacity Building Community Grants

**\*Staff requested this item be discussed as an informational item only\***

**BACKGROUND**

The Committee met on Thursday, March 14, 2019, and received the following report:

- A) Bay Area Smoke Impacts from Wildland Fired and Lessons Learned;
- B) Approval of Contract to Further Develop an Air Quality Technical Assistance Center for the Bay Area; and
- C) Update on the James Cary Smith Community Grants for Fiscal Year Ending (FYE) 2019-2020 and Upcoming Assembly Bill (AB) 617 Capacity Building Community Grants.

Committee Chairperson, Shirlee Zane, will provide an oral report of the Committee meeting.

BUDGET CONSIDERATION/FINANCIAL IMPACT

A) None;

B) Funding for the first phase of this contract is included in the Fiscal Year Ending (FYE) 2019 budget. Remaining funds required for this contract will be allocated from FYE 2020 budget; and

C) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 11A: Community and Public Health Committee Meeting Agenda #4 – 03/14/2019  
Attachment 11B: Community and Public Health Committee Meeting Agenda #5 – 03/14/2019  
Attachment 11C: Community and Public Health Committee Meeting Agenda #6 – 03/14/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Shirlee Zane and Members  
of the Community and Public Health Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 5, 2019

Re: Bay Area Smoke Impacts from Wildland Fires and Lessons Learned

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RECOMMENDED ACTION

None; receive and file.

BACKGROUND

California has historically experienced wildland fires during the hot dry summer months. Typically, fires occur in remote forest lands, burn for several days or weeks and are brought under control by local firefighters and CalFire. However, in recent years, wildfire season has lengthened, becoming a nearly year-round concern. Recent wildfires have crossed into the urban/wildland fire interface devastating whole communities and producing heavy smoke that moves well beyond the local impacted area, fouling the air in cities, counties and states far away from the fire's origin.

DISCUSSION

The changing climate impacts the amount of rain in the winter months and the level of heat in the summer months. Years of prolonged drought, coupled with hotter summers have created unfavorable conditions that lead to longer, more devastating and faster moving wildfires. Recent wildfires have created their own weather phenomena fueling wildfire advancement and impacts of heavy smoke on downwind communities.

These fires are devastating in the number of the homes, businesses and lives lost, and significant smoke impacts on the entire region. The Bay Area has been impacted by smoke from fires within California and fires in Oregon, Washington and Canada. The Air District is working with city, county and statewide agencies to develop better preparedness and impacts strategies for the public.

BUDGET CONSIDERATIONS/FINANCIAL IMPACTS

None.



Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Lisa Fasano  
Reviewed by: Wayne Kino

COMMUNITY AND PUBLIC  
HEALTH COMMITTEE MEETING  
OF 03/14/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Shirlee Zane and Members  
of the Community and Public Health Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 8, 2019

Re: Approval of Contract to Further Develop an Air Quality Technical Assistance Center  
for the Bay Area

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RECOMMENDED ACTION

Recommend Board of Directors authorize the Executive Officer/APCO to execute a contract with Kearns and West in an amount not to exceed \$540,000. to develop a technical assistance center for use by Bay Area community members.

BACKGROUND

In carrying out its mission to improve air quality in the San Francisco Bay Area, the Air District seeks to develop new and improved ways to provide air quality related technical assistance throughout the region. This technical assistance center will be designed to respond to, and encourage, community interest in air quality, and to provide technical assistance to help define and achieve project goals set by the community. It is essential that the Air District have a structured program in place to work in partnership with the public to manage these efforts and assist in interpreting the resulting data.

DISCUSSION

On July 2, 2018, the Air District issued a request for qualifications (RFQs) for this project. The Air District received submissions from three entities: Kearns & West, Sonoma Technology Inc., and Ramboll. The Ramboll application was deemed incomplete, therefore Kearns & West and Sonoma Technology, Inc., were the only two to move forward in the evaluation and interview process. Criteria for selection of a contractor included demonstration of previous work with the Air District or other agencies on similar services as requested by RFQ that demonstrated understanding of Air District work and ability to complete the project (including number and complexity/diversity of projects). Based on the evaluation and firm interviews, staff recommended Kearns & West (with technical guidance provided by TD Environmental and Technical and Business Systems) as the contractor to establish this technical assistance center.

This center will act as a resource that the public can use for community-led air quality projects with technical components. The table below outlines the services that the center could provide to the Air District and the general public.

Engagement Type/Service	Description	Examples
<b>Advisory Role</b>	Provide guidance on one or more aspects (i.e., a la carte) of air monitoring or other technical support – planning, training, analysis, interpretation, etc. Answer “one-off” questions and provide information.	Work with a prospective grant applicant to create a viable and technically sound approach.  Work with community members to evaluate and interpret data that has already been collected.  Work with community members to help with selecting a sensor, siting it, and using data management tools.
<b>Education/Training</b>	Design and conduct educational program(s) to build capacity and awareness.	Develop and make available a variety of educational materials, such as “Air Quality 101” fact sheets.
<b>End-to-End Support</b>	Assist with all aspects of technical projects from inception, monitoring, analysis, and next steps.	Support a community group in setting up a monitoring program to build technical capacity or investigate their concerns.

As the center develops further over the next few months, interaction with a few projects the Air District is already involved with will help inform and refine the processes and services offered. A launch to the public is anticipated in late Spring 2019.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

Funding for the first phase of this contract is included in the Fiscal Year Ending (FYE) 2019 budget. Remaining funds required for this contract will be allocated from FYE 2020 budget.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Elizabeth Yura and Eric Stevenson  
Reviewed by: Greg Nudd

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Shirlee Zane and Members  
of the Community and Public Health Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 8, 2019

Re: Update on the James Cary Smith Community Grants for Fiscal Year Ending (FYE)  
2019- 2020 and Upcoming Assembly Bill (AB) 617 Capacity Building Community  
Grants

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RECOMMENDED ACTION

Recommend Board of Directors:

1. Approve a Request for Proposal (RFP) for \$100,000 for the Local Air Pollution Capacity Building focus area of the James Cary Smith Community Grant Program; and
2. Approve an RFP for \$250,000 for community-led capacity building efforts in AB 617 communities.

BACKGROUND

The James Cary Smith Community Grant Program was established in 2015 to promote and support efforts to reduce air pollution through direct collaboration and participation with community members in the protection of local health and our shared regional environment. Three primary focus areas of the Grant Program are: Education and Engagement; Local Air Pollution Capacity Building Projects; and Community-Based Participatory Research.

In addition to the James Carey Smith Community Grant Program, the Air District has money available this fiscal year for community-led capacity building efforts in AB 617 communities.

In this presentation, staff will provide information on the results of the Education grants from the program. Staff are also requesting Board of Directors authorization to move forward with two RFPs. One for small grants for community projects not directly associated with AB 617. The second RFP will be for larger efforts specifically intended to support communities to partner with the Air District in the implementation of AB 617.

## DISCUSSION

As part of the Education and Engagement focus area, the Air District released the guidelines for the School Community Grants Program in December of 2018. These grants award up to \$2,500 for teachers, student leaders, and parent leaders in public K-12 schools in the Bay Area. The primary purpose of this grant program is to increase the knowledge about the science of air quality, the relationships between air quality and public health, and the impact of air pollution on the global climate. The Air District contacted school districts in all nine Bay Area counties in December as part of the outreach process, which included, sending a press release to media outlets, two e-blasts, and community engagement staff promoting the grants at regional community meetings such as the Spare the Air Resource team meetings and the Spare the Air Youth Technical Advisory Committee. The application deadline was January 31, 2019, and the Air District received 39 applications from the following counties: Alameda, Sonoma, Napa, San Francisco, Marin, Contra Costa, and San Mateo. Up to 22 applicants will receive funding.

After a thorough review process by an Air District interdivisional staff scoring team, 15 proposals from the School Community Grants Program were selected for Phase I (Non-Technical Projects) funding, totaling \$37,161. Attached is a table with a summary of the selected projects. These grants will serve to encourage collaborative partnerships between the Air District and school communities in air pollution reduction and we are pleased to support this enthusiastic group of school communities throughout the region. Furthermore, the Community Engagement Section at the Air District will work with grantees to provide youth leadership training at the 2019 Youth for Environment and Sustainability (YES) Summits and to prepare youth leaders for presenting their projects to regional partners at the 2020 YES Conference, which is currently slated for February 2020.

As part of the Local Air Pollution Capacity Building focus area and Education and Engagement focus area of the James Cary Smith Community Grant Program, the Air District is proposing to release an RFP for \$10,000 Community Grants for non-profit partners and community-based organizations that implement community-based solutions that address air pollution. These grants will focus on funding activities such as active transportation or idle free educational campaigns, urban greening projects, and environmental justice outreach projects; these grants are not targeted towards funding technical projects. A total of \$100,000 will be available for these projects and application guidelines will be made available in April of 2019. Staff is planning to release additional funding for community-based participatory research (i.e., technical projects) later this year.

In addition to the James Carey Smith Community Grant Program, the Air District has approximately \$250,000 this fiscal year for community-led capacity building efforts in AB 617 communities. The Air District is also proposing to release an RFP informed by the community later this Spring. Because each community has distinct needs, the request will be broad enough to encompass a variety of capacity-building activities such as raising awareness about air quality and health and identifying/eliminating barriers for community member participation. The goal is to start or continue building relationships in each of these communities, to begin identifying interested stakeholders, and to ready the communities for partnering with the Air District when selected for AB 617 emission reduction plans or monitoring plans.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Elizabeth Yura  
Reviewed by: Greg Nudd

Attachment 6A: 2019 School Community Grant Awardees

COMMUNITY AND PUBLIC  
HEALTH COMMITTEE MEETING  
OF 03/14/2019

## 2019 School Community Grant Awardees

### Phase 1: Non-Technical Projects\*

	<b>School</b>	<b>Project Name</b>	<b>City (Bold = CARE)</b>	<b>Funding Requested</b>	<b>Description</b>
1	Woodrow Wilson Elementary School	Woodrow Wilson Air Quality	Daly City	\$2,500	Greening project and Earth Day student poster contest.
2	Gordon Lau Elementary School	Spare the Air Community Project	<b>San Francisco</b>	\$2,500	Educational outreach to parents and caregivers on air quality, health, and sustainable transportation options. Trained leaders will organize a Spare the Air Family Biking Fair in April-May 2020.
3	John Yehall Chin Elementary School	Spare the Air Community Project	<b>San Francisco</b>	\$2,500	Educational outreach to parents and caregivers on air quality, health, and sustainable transportation options. Trained leaders will organize a Spare the Air Family Biking Fair in April-May 2020.
4	Roseland University Prep	Climate Hope in Roseland	Santa Rosa	\$2,500	Environmental campaigns on climate change awareness and education outreach, bike/walk to school, and tree planting on Arbor Day.
5	Irene Snow Elementary	Idle Free Campaign	Napa	\$2,500	Spare the Air Idle Free Campaign by the Jr. Classroom leadership program.
6	Shearer Elementary	Idle Free Campaign	Napa	\$2,500	Spare the Air Idle Free Campaign by the Jr. Classroom leadership program.
7	Hillcrest Elementary School	Defending Public Health Through Urban Green Spaces	<b>San Francisco</b>	\$2,500	Green Team students will complete a series of lessons on outdoor education; tending the community garden; composting; photosynthesis; global climate change; air quality; air pollution reduction; and public and community health.
8	Harvest Middle School	Idle Free Schools Campaign	Napa	\$2,500	Volunteer student-led Idle Free Campaign with STEM build a bike activity.
9	Silverado Middle School	Idle Free Schools Campaign	Napa	\$2,500	Volunteer student-led Idle Free Campaign with STEM build a bike activity.
10	Valley Oak High School	Everything is Connected	Napa	\$2,301	Creation of an edible orchard on campus and partnering with Napa County Resource Conservation District to develop the Oxbow Preserve Park.

11	Loma Vista Immersion Academy	Carbon Sink Planting Project	Petaluma	\$2,490	Tree, shrub, and vine planting on school campus for carbon sink, shade, and wild-life habitat, with classroom lessons and discussions on local air quality.
12	Cragmont Elementary	Cut the Idle	Berkeley	\$2,500	PTA Idle Free campaign with classroom lessons on air quality and health.
13	Santa Rosa Middle School	Air Pollution Investigation	Santa Rosa	\$2,370	Students investigate and measure particulate matter in the air using the Flinn Scientific Air Pollution Investigation Kit.
14	Acorn Woodland Elementary School	The Mosaic Project	<b>Oakland</b>	\$2,500	Student leaders go on EJ toxic tour and training sessions to interview community members to develop a narrative and storybook.
15	Lipman Middle School	Clean Air, Balanced Climate Program	Brisbane	\$2,500	Tree planting on campus and The Soil Story curriculum on carbon sequestration and air quality remediation.
				<b>\$37,161</b>	

\* The Air District received 7 additional applications for projects that included technical components; these projects are still undergoing technical review, and if these projects meet program criteria they will move forward.

COMMUNITY AND PUBLIC MEETING  
HEALTH COMMITTEE  
OF 03/14/2019



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Stationary Source Committee Meeting of March 18, 2019

**RECOMMENDED ACTION**

The Stationary Source Committee (Committee) received only informational items and has no recommendations or approval by the Board of Directors (Board).

**BACKGROUND**

The Committee met on Monday, March 18, 2019, and received the following reports:

- A) Update on Implementation of Rule 11-18, Reduction of Risk from Air Toxic Emissions at Existing Facilities; and
- B) Refinery and Flare Overview.

Committee Chairperson, Rod Sinks, will provide an oral report of the Committee meeting.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

- A) None; and
- B) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 12A: Stationary Source Committee Meeting Agenda #4 – 03/18/2019  
Attachment 12B: Stationary Source Committee Meeting Agenda #5 – 03/18/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Rod Sinks and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 6, 2019

Re: Update on Implementation of Rule 11-18, Reduction of Risk from Air Toxic  
Emissions at Existing Facilities

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**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

The Bay Area Air Quality Management District (Air District) adopted Regulation 11, Rule 18, Reduction of Risk from Air Toxic Emissions at Existing Facilities on November 15, 2017. As part of its implementation, the Air District uses air dispersion modeling and the latest science from the Office of Environmental Health Hazard Assessment (OEHHA) to evaluate health risks to communities from permitted facilities.

If a health risk exceeds a Rule 11-18 risk action level (a cancer risk of ten in a million, chronic hazard index of 1.0, and acute hazard index of 1.0.), the facility will be required to either:

- (a) Reduce all health risks below the final risk action levels; or
- (b) Install best available retrofite control technology for toxics (TBARCT) on all significant sources.

The Rule 11-18 Implementation Flow Chart (Attachment 4A) gives an overview of the implementation steps and identifies public comment opportunities. The major implementation steps are: (1) screen facilities, (2) validate data, (3) conduct health risk assessment (HRA), (4) approve risk reduction plans (RRP), and (5) implement risk reduction measures. The public will have the opportunity to comment on the draft HRA and the draft RRP before these reports are finalized.

## DISCUSSION

### *Process and Timeline*

As described in the Rule 11-18 Implementation Procedures, the Air District uses prioritization scores to screen and classify sites as high priority, low priority, or exempt. High priority sites are further separated into two phases (Phase I or Phase II). High priority facilities with the highest potential for health risks are in Phase I. Phase II includes all other non-exempt high priority facilities. Based on a June 2018 screening assessment, the Air District found forty-three Phase I sites and about three hundred Phase II sites. This screening assessment will be conducted again in a few months to identify any new Phase I or Phase II sites.

For the Phase I sites, the Air District has sent 33 data review requests to sites. Data corrections resulted in reclassification of four Phase I sites as either Phase II or exempt. Data requests for the remaining six Phase I sites will be sent to refineries and a related site upon completion of the refinery heavy liquids study. The Air District has received data updates from 13 facilities. Data validation is underway for nine sites and has been completed for four sites. HRAs are underway for three of these sites and one site has been reclassified as exempt. The next set of 20 data updates are due from sites by June 14, 2019.

Overall, staff expects to require HRAs for about 30 of the Phase I sites. Staff expects to publish the first draft HRAs on the web site in the third quarter of 2019. Most of the Phase I HRAs will be published by the end of second quarter 2020. The final six refinery HRAs may be delayed until the end of 2020 due to the heavy liquids study, which may have a significant impact on the toxic inventory.

### *Actions to Date*

To implement the rule, the Air District convened a Rule 11-18 Implementation Workgroup to ensure transparency, provide industry and community perspectives, and facilitate communication with affected communities during the implementation of Rule 11-18. This workgroup includes representatives from environmental and health organizations, industry groups, refineries, and Air District staff. We have had three meetings to date. Recent discussion topics include: implementation plan and schedule, data review and validation process, use of consultants for conducting HRAs, emission factor assessment, and 1-hour emission inventories. The Air District is currently working on guidance documents for determining default emission factors, choosing source-specific emission factors, preparing 1-hour emission inventories, and preparing HRA modeling protocols to assist industry and staff with the first three implementation steps.

The implementation of Rule 11-18 has led to several infrastructure improvements. The Air District developed a new data management process for high priority facilities that will increase accuracy of annual toxic air contaminant (TAC) emission inventories, add new 1-hour TAC emission inventories, and collect all necessary input data for comprehensive HRAs. This process provides regulated facilities with the information needed to understand the basis for their current Air District emission inventory; to identify potentially significant emissions; to easily request corrections to inaccurate data; to provide missing data; and allows for data improvement and

validation by Air District staff. The Air District has also updated the fee structure in Regulation 3 to meet cost recovery goals for the staff time needed to improve TAC inventories, conduct or review HRAs, and approve RRP. In addition, staff updated the Air District web site by reorganizing page locations, consolidating documents, and adding new information related to Rule 11-18 implementation.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted

Jack P. Broadbent  
Executive Officer/APCO

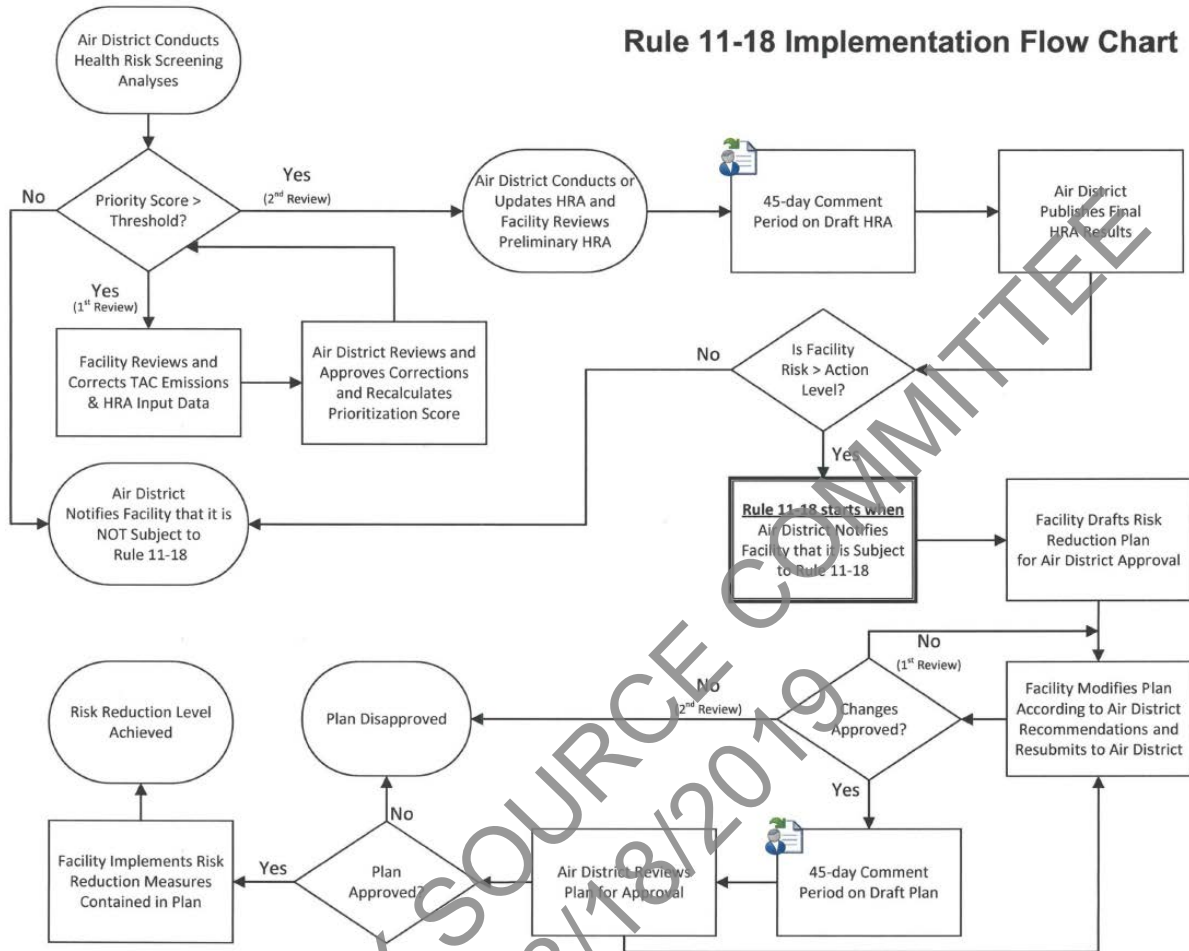
Prepared by: Carol Allen

Reviewed by: Sanjeev Kamboj  
Pamela Leong  
Damian Breen

Attachment 4A: Rule 11-18 Implementation Flow Chart

STATIONARY SOURCE COMMITTEE  
MEETING OF 03/18/2019

Rule 11-18 Implementation Flow Chart



STATIONARY SOURCE COMMITTEE MEETING OF 03/18/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Rod Sinks and Members  
of the Stationary Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 6, 2019

Re: Refinery and Flare Overview

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**RECOMMENDED ACTION**

None: receive and file.

**BACKGROUND**

The Air District has five major petroleum refineries located in the Bay Area that are significant sources of pollutants. Many Bay Area residents have expressed concerns about the impacts of pollution and public health impacts particularly when flaring occurs.

The Air District adopted Regulation 12 Miscellaneous Standards of Performance, Rule 11 Flare Monitoring at Petroleum Refineries in June 2003 and Rule 12, Flares at Petroleum Refineries in April 2006. These two Rules have reduced flare emissions and refineries continue to improve startup and shutdown procedures to eliminate flaring or significantly reduce the amount of flaring. Regulation 12 Rule 12, prohibits flaring unless it is consistent with an approved Flare Minimization Plan (FMP) and all commitments under that plan are met. The FMP does not apply to flaring that the Executive Officer/APCO determines to be caused by an emergency and is necessary to prevent an accident, hazard or release of vent gas directly to the atmosphere.

**DISCUSSION**

Staff will present a general overview of refinery operations and the flare regulations. The presentation will include a discussion on flare monitoring, standards, notifications required for flaring events, and determination and reporting of causes of flaring.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Jeff Gove and Paul Grazzini  
Reviewed by: Wayne Kino

STATIONARY SOURCE COMMITTEE  
MEETING OF 03/18/2019



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Executive Committee Meeting of March 20, 2019

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**RECOMMENDED ACTION**

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

- A) Hearing Board Quarterly Report: October 2018 – December 2018
  - 1) None; receive and file.
- B) Report of the Advisory Council Meeting from March 11, 2019
  - 1) None; receive and file.
- C) Bay Area Regional Collaborative (BARC) Update
  - 1) None; receive and file.
- D) Consider Recommending the Board of Directors Accept New Grant Program Revenue Resulting from Assembly Bill (AB) 617
  - 1) Approve the Bay Area Air Quality Management District's (Air District) acceptance of the Fiscal Year Ending (FYE) 2019, Community Air Protection Program funds; and
  - 2) Authorize the Executive Officer/APCO to execute all necessary agreements with the California Air Resources Board (CARB) to implement the program.
- E) Consider Recommending the Board of Directors Authorize Execution of a Master Services Agreement (MSA) for Air Quality Mapping and Associated Services
  - 1) The Committee recommends the Board of Directors authorize the Executive Officer/APCO to execute a two-year Master Services Agreement (MSA) with Aclima in an amount not to exceed \$5,980,000 over two years for hyperlocal, background air quality mapping of the entire Bay Area, a data repository and web portal, and community capacity building activities.

- F) Consider Recommending the Board of Directors Authorize Execution of Contract Amendments for Production System Office
  - 1) 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.
- G) Consider Recommending the Board of Directors Authorize Execution of Contracts for Build-Out of a Portion of the Richmond, Lakeside Drive Building
  - 1) This agenda item was tabled and will be presented at an upcoming Ad Hoc Building Oversight Committee Meeting scheduled for Wednesday, April 3, 2019.
- H) 2018 – 2019 Winter Spare the Air Program Overview
  - 1) None; receive and file.

**BACKGROUND**

The Committee met on Wednesday, March 20, 2019, and received the following report:

- A) Hearing Board Quarterly Report: October – December 2018;
- B) Report of the Advisory Council Meeting from March 11, 2019;
- C) Bay Area Regional Collaborative (BARC) Update;
- D) Consider Recommending the Board of Directors Accept New Grant Program Revenue Resulting from Assembly Bill (AB) 617;
- E) Consider Recommending the Board of Directors Authorize Execution of a Master Services Agreement (MSA) for Air Quality Mapping and Associated Services;
- F) Consider Recommending the Board of Directors Authorize Execution of Contract Amendments for Production System Office;
- G) Consider Recommending the Board of Directors Authorize Execution of Contracts for Build-Out of a Portion of the Richmond, Lakeside Drive Building (To be referred to the Ad Hoc Building Oversight Committee Meeting); and
- H) 2018 – 2019 Winter Spare the Air Program Overview.

Committee Chairperson, Katie Rice, will provide an oral report of the Committee meeting.

BUDGET CONSIDERATION/FINANCIAL IMPACT

- A) None;
- B) None;
- C) None;
- D) These funds will be added to the Air District's FYE 2019 budget;
- E) Funds for this purchase will be derived from AB 617 grant funds for the first year. Alternate funding sources will be investigated and budgeted for the second year to allow for more general fund stability and flexibility. The scope of the work orders will be limited to minimize general fund expenditures;
- F) Funding for the vendor contract recommendations is included in 309 and 125 program budgets for FYE 2019;
- G) Funding is included in the proposed budget for Fiscal Year Ending 2020 (to be referred to the Ad Hoc Building Oversight Committee Meeting); and
- H) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

- Attachment 13A: Executive Committee Meeting Agenda #4 – 03/20/19
- Attachment 13B: Executive Committee Meeting Agenda #5 – 03/20/19
- Attachment 13C: Executive Committee Meeting Agenda #6 – 03/20/19
- Attachment 13D: Executive Committee Meeting Agenda #7 – 03/20/19
- Attachment 13E: Executive Committee Meeting Agenda #8 – 03/20/19
- Attachment 13F: Executive Committee Meeting Agenda #9 – 03/20/19
- Attachment 13G: Executive Committee Meeting Agenda #10 – 03/20/19
- Attachment 13H: Executive Committee Meeting Agenda #11 – 03/20/19

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 6, 2019

Re: Hearing Board Quarterly Report: October – December 2018

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RECOMMENDED ACTION

None; receive and file.

DISCUSSION

During the fourth calendar quarter of 2018 (October - December), the Hearing Board:

- Held no hearings;
- Processed no orders; and
- Collected a total of \$0.00 in filing fees.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Marcy Hiratzka  
Reviewed by: Vanessa Johnson

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 7, 2019

Re: Report of the Advisory Council Meeting from March 11, 2019

---

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

On March 11, 2019 the Advisory Council met to receive reports on, and deliberate regarding, the health effects of Particulate Matter (PM).

DISCUSSION

The Committee will receive an update of the Advisory Council meeting, including a report on the Environmental Protection Agency (EPA) Draft Integrated Science Assessment for Particulate Matter, the discussion of a potential symposium on PM to be convened by the Advisory Council, and the Advisory Council's deliberation on these topics.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Jeff McKay

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 11, 2019

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, Deputy Air Pollution Control Officer, Greg Nudd, will provide an update on the activities of BARC.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Vanessa Johnson

Reviewed by: Greg Nudd

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 12, 2019

Re: Consider Recommending the Board of Directors Accept New Grant Program Revenue  
Resulting from Assembly Bill (AB) 617

---

**RECOMMENDATIONS**

Recommend the Board of Directors:

1. Approve the Bay Area Air Quality Management District's (Air District) acceptance of the Fiscal Year Ending (FYE) 2019, Community Air Protection Program funds; and
2. Authorize the Executive Officer/APCO to execute all necessary agreements with the California Air Resources Board (CARB) to implement the program.

**BACKGROUND**

Senate Bill (SB) 856 (Mitchell, Budget Act of 2018) provides funds for CARB to allocate to local air quality districts for expenses related to AB 617 (C. Garcia, Chapter 136, Statutes of 2017). The California Air Pollution Control Officers (CAPCOA) Association Board approved an allocation plan for distribution of available funds to the air quality districts.

**DISCUSSION**

CARB has requested that the Air District's Board of Directors (Board) execute a resolution (see Attachment 7A) to accept this funding.

**BUDGET CONSIDERATION / FINANCIAL IMPACT**

These funds will be added to the Air District's FYE 2019 budget.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Eric Stevenson  
Reviewed by: Jeff McKay

Attachment 7A: Resolution to Accept Community Air Protection Program Funds from the  
California Air Resources Board

EXECUTIVE COMMITTEE MEETING  
OF 03/20/2019



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2019 -**

**A Resolution Accepting Community Air Protection Program Funds  
from the California Air Resources Board**

WHEREAS, Senate Bill 856 (Mitchell, Budget Act of 2108) provides funds for the California Air Resources Board (CARB) to allocate to local air quality districts;

WHEREAS, Assembly Bill 617 (C. Garcia, Chapter 136, Statutes of 2017) directs air districts to implement a Community Air Protection Program;

WHEREAS, the California Air Pollution Control Officers Association Board approved an allocation plan for the available funds;

WHEREAS, CARB will authorize a grant to the District to implement the Community Air Protection Program upon approval by the Board of Directors to accept such grant of funds;

WHEREAS, CARB will award a grant in the amount of \$10,000,000 for Fiscal Year Ending 2019.

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the Air District's acceptance of the Fiscal Year Ending 2018-2019, Community Air Protection Program funds, to be awarded to eligible District projects in accordance with the CARB Community Air Protection Program guidelines.

BE IT FURTHER RESOLVED, the Executive Officer/Air Pollution Control Officer is hereby authorized and empowered to execute on behalf of the District all necessary agreements with CARB to implement and carry out the purposes of this resolution.

The foregoing resolution was duly and regularly introduced, passed and adopted at a regular meeting of the Board of Directors of the Bay Area Air Quality Management District on the

Motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, on the \_\_\_\_\_ day of \_\_\_\_\_, 2019, by the following vote of the Board:

AYES:

NOES:

ABSENT:

\_\_\_\_\_  
Katie Rice  
Chairperson of the Board of Directors

ATTEST:

\_\_\_\_\_  
Cindy Chavez  
Secretary of the Board of Directors

EXECUTIVE COMMITTEE MEETING  
OF 03/20/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 11, 2019

Re: Consider Recommending the Board of Directors Authorize Execution of a Master Services Agreement (MSA) for Air Quality Mapping and Associated Services

**RECOMMENDED ACTION**

The Committee will recommend the Board of Directors consider authorizing the Executive Officer/APCO to execute a two-year Master Services Agreement (MSA) with Aclima in an amount not to exceed \$5,980,000 over two years for hyperlocal, background air quality mapping of the entire Bay Area, a data repository and web portal, and community capacity building activities.

**BACKGROUND**

The Bay Area Air Quality Management District's (Air District) implementation of Assembly Bill (AB) 617 is a coordinated effort to reduce human exposure to air pollution in the most impacted and susceptible Bay Area communities. While there is some information to guide preliminary areas of our focus, little actual measurement data exists at a fine enough scale to describe local impacts in a meaningful way. Ramping up stationary monitoring capabilities to get hyperlocal air quality data at a District-wide scale is impractical, being both time and resource prohibitive. Furthermore, collection of such large quantities of data presents challenges in terms of storage, dissemination, and determining relevant uses for different types of data.

**DISCUSSION**

San Francisco-based company Aclima, have proposed a monitoring solution that addresses the scale issues associated with District-wide monitoring on a relatively short timeframe, along with community engagement support and a web-based portal to house and display air quality data collected from any number of sources. Aclima has been involved in cutting edge mobile monitoring studies and has developed a well-tested instrument package as well as other supporting technologies. Staff has thoroughly researched and verified the quality of the data generated and the additional technologies and products have met the needs of both the studies and the communities being studied. Mobile monitoring requires that roadways throughout the District are driven multiple times and the large amounts of data be verified, analyzed, stored in such a way that results can be provided to the public in an efficient and easily understood manor. Staff was unable to identify other agencies or companies that have the capabilities to perform this work on the scale and timeline necessary to meet the requirements of AB 617. The structure of the MSA

allows staff to closely monitor performance and work output to ensure that timelines and milestones are met, and that additional work and tasks will not be assigned if staff are not satisfied with results.

The monitoring proposed by Aclima consists of repeatedly driving a fleet of vehicles equipped with air monitoring sensors along every roadway in the District to establish baseline concentrations of critical air pollutants. The resultant data can be used to identify hot-spots of these pollutants across the entire Bay Area, providing information to inform decision making. For example, these data will help focus the deployment of further monitoring resources, assist in identification of communities for future inclusion in monitoring and emission reduction plans, as well as may provide preliminary information to initiate source attribution and source apportionment studies.

Additional services that Aclima offers include capacity building in communities and a community air quality data portal and measurement of methane and ethane which together can be used as an indicator for natural gas leaks. As part of capacity building, Aclima would work with stakeholders and community organizers to encourage engagement and build understanding of what different types of air quality data mean and what types of questions they may be used to answer. The air quality portal has the capacity to incorporate data from various sources (e.g., our reference monitor network, community collected sensor data, mobile monitoring data, etc.) and would be a means to house and dynamically visualize different types of data in different ways. For example, sensor data might be layered with reference monitor data atop the regional background as measured during Aclima's monitoring campaign, bringing diverse data sets together for review and analysis in one place. As part of the ongoing development of the data portal and capacity building, Aclima would work with the Air District to help community members answer such questions as:

- How does air quality in my neighborhood compare to other neighborhoods?
- Is the air quality better where I work than where I live?

By utilizing an MSA, the Air District could add these services under a single contract via additional work orders.

Air District staff recommend executing an MSA with Aclima who have proposed monitoring at a District-wide scale with actionable results on a short timeframe; working with the Air District to bolster understanding of issues around air quality and support ongoing work; and exploring the potential for a community air quality data portal to house, disseminate, and describe data from Aclima, sensor networks, and our own air monitoring network, all together in one place.

#### BUDGET CONSIDERATION/FINANCIAL IMPACT

Funds for this purchase will be derived from AB 617 grant funds for the first year. Alternate funding sources will be investigated and budgeted for the second year to allow for more general fund stability and flexibility. The scope of the work orders will be limited to minimize general fund expenditures.

Respectfully Submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Eric Stevenson  
Reviewed by: Greg Nudd and Wayne Kino

EXECUTIVE COMMITTEE MEETING  
OF 03/20/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 14, 2019

Re: Consider Recommending the Board of Directors Authorize Execution of 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	\$140,971	Software testing services for the permitting and compliance system.
Clearsparc Inc.	\$356,566	Software architecture, design, development, build and release management services for the permitting and compliance system.
Cylogy	\$486,425	Backend website content management system integration, customization and infrastructure support.
ITDependz	\$176,415	Business analysis and user experience services for the permitting and compliance system.
Malinda Lai	\$77,007	Website content management and infrastructure support.
SoftwareOne	\$187,900	Microsoft authorized reseller of Azure cloud services.
Trinity Technology Group	\$70,019	Legacy system management and data transfer services. Business analysis, database rules and logic implementation.
<b>TOTAL</b>	<b>\$1,495,303</b>	

## BACKGROUND

Bay Area Air Quality Management District (Air District) staff is recommending contract amendments for existing vendors assisting with software development and website management support to meet Fiscal Year Ending (FYE) 2019 goals.

## DISCUSSION

The Production System Office (PSO) 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 FYE 2019:

- Customer facing transaction for all facilities handled via Permitting and Compliance System including:
  - Credit card and electronic check payments
  - Financial integration (JD Edwards)
  - Invoice generation including fee schedules
  - Permit generation
- Health Risk Assessment Reporting for 11-18
- Upgrade of the Air District's web content management system
- Implementation of new data visualization for air quality data
- Redevelopment of interactive maps and extension of mapping support
- Website design refresh to support new site functionality
- Continuation of website language translation
- Annual Report website implementation

Staff recommends the continued use of vendors proven familiar with the PSO for the remainder of FYE 2019. 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 Inc.	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 Fiscal Year Ending (FYE) 2014. One of four firms to respond that had appropriate staff, expertise, and availability to perform the required scope of work.
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 current web team.
SoftwareOne	The Air District's longstanding Microsoft authorized reseller (Compucom) was acquired by SoftwareOne.	FYE 2016	Microsoft requires that all software and service purchases be conducted by a designated authorized reseller.
Trinity Technology Group	Legacy data management and transfer services. Business analysis, database rules and logic implementation.	<a href="#">FYE 2015*</a>	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 FYE 2019.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Blair Adams  
Reviewed by: Damian Breen

EXECUTIVE COMMITTEE MEETING  
OF 03/20/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 14, 2019

Re: Consider Recommending the Board of Directors Authorize Execution of Contracts for  
Build-Out of a Portion of the Richmond, Lakeside Drive Building

**RECOMMENDED ACTION**

Recommend the Board of Directors authorize the Executive Officer/APCO to obtain bids and execute contracts to build out approximately 7,300 square feet of the Richmond, Lakeside building with cubicles and offices, in an amount not to exceed \$1,800,000.

**BACKGROUND**

At the August 1, 2018 meeting of the Board of Directors, staff was authorized to execute the purchase of a building in Richmond, CA for offices, and various other uses. The prior owner continues to lease back a portion of the building until the end of 2019. However, approximately 7,300 square feet of the building are available for immediate reconfiguration as office space.

**DISCUSSION**

The offices and cubicles in the Richmond, Lakeside building are intended to be essentially identical to those at the Beale Street headquarters. The Air District has a continuing contract for cubicles and furniture from the original build-out of Beale Street.

The proposed work at Richmond, Lakeside would be carried out after a bidding process including not less than three bidders for General Contracting.

The built-out space would include:

- Six Offices
- Twenty-Eight Cubicles
- Two Meeting Rooms
- One Copy Room
- One Pantry
- One Server Room
- Restrooms

BUDGET CONSIDERATION/FINANCIAL IMPACT

Funding is included in the proposed budget for Fiscal Year Ending 2020.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Jeff McKay

EXECUTIVE COMMITTEE MEETING  
OF 03/20/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Katie Rice and Members  
of the Executive Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 6, 2018

Re: 2018-2019 Winter Spare the Air Program Overview

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**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

In July 2008, the Board of Directors (Board) adopted Regulation 6; Rule 3: Wood Burning Devices. The rule applies to wood-burning devices including fireplaces, fire pits, wood stoves, pellet stoves, and any other wood-fired heating device. The rule was amended by the Board on October 21, 2015, to further protect Bay Area residents from the public health impacts of fine particulates generated from burning wood or solid fuels as a source of primary or supplemental heat, or for ambiance. The year's wood smoke regulatory season ran from November 1, 2018 through February 28, 2019.

There are an estimated 1.4 million fireplaces and wood-burning devices in the Bay Area; and in the winter, more than 30% of Particulate Matter (PM)<sub>2.5</sub> air pollution is attributed to wood-burning. Although Rule 6-3, has successfully reduced wintertime PM<sub>2.5</sub> emissions regionally by about 2,660 tons per year (tpy), wood smoke continues to cause unhealthy air, to exceed the PM<sub>2.5</sub> federal health standard, and negatively impact local air quality.

The 2018-2019 Winter Spare the Air campaign featured the same strong message from last season and links the serious health impacts from wood smoke to those of cigarette smoke. Advertising that clearly illustrates this link has resonated so well with the public it will be refreshed for the 2019-20 winter season.

## DISCUSSION

Staff will present an update on the 2018-2019 Winter Spare the Air Program including information about:

- Regulation 6, Rule 3 implementation.
- The Wood Smoke Reduction Incentive Program that was developed to help Bay Area homeowners and landlords replace their wood-burning heating devices with cleaner options.
- The Winter Spare the Air campaign which highlights changes to the wood burning rule, publicizes the benefits of replacing old fireplaces and continue to focus on the localized health impacts from wood smoke.

## BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Wayne King

EXECUTIVE COMMITTEE MEETING  
OF 03/20/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Budget and Finance Committee Meeting of March 22, 2019

**RECOMMENDED ACTION**

The Budget and Finance Committee (Committee) recommends Board of Directors' approval of the following item:

A) Discussion of Proposed Budget for Fiscal Year Ending (FYE) 2020

- 1) The Executive Officer/APCO requests that the Budget and Finance Committee review the Proposed Budget for Fiscal Year Ending (FYE) 2020 and make any recommendations for further discussions to be held during the April 22, 2019 Budget and Finance Committee Meeting.

B) Proposed Amendments to Regulation 3: Fees

- 1) None; receive and file.

**BACKGROUND**

The Committee met on Friday, March 22, 2019, and received the following report:

A) Discussion of Proposed Budget for Fiscal Year Ending (FYE) 2020; and

B) Proposed Amendments to Regulation 3: Fees.

Committee Chairperson, Carole Groom, will provide an oral report of the Committee meeting.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

A) The proposed consolidated budget for FYE 2020 is a balanced budget; and

- B) The proposed fee amendments would increase fee revenue in Fiscal Year Ending (FYE) 2020 by an estimated \$2.74 million from revenue that would otherwise result without a fee increase.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 14A: Budget and Finance Committee Meeting Agenda #4 – 03/22/19  
Attachment 14B: Budget and Finance Committee Meeting Agenda #5 – 03/22/19

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Carole Groom and Members  
of the Budget and Finance Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 8, 2019

Re: Discussion of Proposed Budget for Fiscal Year Ending (FYE) 2020

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**RECOMMENDED ACTION**

The Executive Officer/APCO requests that the Budget and Finance Committee review the Proposed Budget for Fiscal Year Ending (FYE) 2020 and make any recommendations for further discussions to be held during the April 22, 2019 Budget and Finance Committee meeting.

**BACKGROUND**

At the March 6, 2019, Regular Board of Directors meeting, the FYE 2020 Proposed Budget document was referred to the Budget and Finance Committee for review at the Committee's March 22, 2019 meeting.

**DISCUSSION**

Air District staff will present the Proposed Budget for FYE 2020. The Proposed Budget is balanced with the use of \$4 million in reserves for Capital Improvements.

Prior to April 11, 2019, Air District staff will publish a notice to the general public that the first of two public hearings on the budget will be conducted on May 15, 2019 and that the second hearing will be conducted on June 5, 2019. Staff requests that the Budget and Finance Committee complete its review and take action on the Proposed Budget at the April 22, 2019 Budget and Finance Committee meeting. This will allow staff the necessary time required to amend, if necessary, the budget for the first public hearing to be held on May 15, 2019.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

The proposed consolidated budget for FYE 2020 is a balanced budget.



Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Stephanie Osaze  
Reviewed by: Jeff McKay

Attachment 4A: Proposed Budget for Fiscal Year Ending 2020

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019



**BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT**

**PROPOSED BUDGET  
FOR  
FISCAL YEAR ENDING 2020**

March 14, 2019

The Bay Area Air Quality Management District  
is committed to  
PROTECT AND IMPROVE PUBLIC HEALTH, AIR QUALITY, AND  
THE GLOBAL CLIMATE

CORE VALUES

- Excellence*** Air District programs and policies are founded on science, developed with technical expertise, and executed with quality.
- Leadership*** The Air District will be at the forefront of air quality improvement and will pioneer new strategies to achieve healthy air and protect the climate.
- Collaboration*** Involving, listening, and engaging all stakeholders, including partner agencies, to create broad acceptance for healthy air solutions.
- Dedication*** Committed staff that live and believe the Air District's mission.
- Equity*** All Bay Area residents have the right to breathe clean air.

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

# BUDGET MESSAGE

Jack P. Broadbent, Executive Officer/APCO

## EXECUTIVE SUMMARY

This document presents the proposed budget for the Bay Area Air Quality Management District (Air District) for Fiscal Year Ending (FYE) 2020. The Air District continues its commitment to fulfill its mission, goals and objectives, through activities which focus on core and mandated programs, fiscally conservative internal controls, long range financial planning and the development of short and long-term sustainable approaches toward achieving cleaner air to protect the public's health and the environment.

The proposed budget for FYE 2020 reflects the priorities established at the Board of Directors (Board) retreat of January 16, 2019, which includes maintenance and enhancement of Air District core functions as well as work on the following key policy initiatives:

Assembly Bill 617 Implementation– Assembly Bill (AB) 617, passed by the Legislature and signed by the Governor in 2017, establishes new, comprehensive air quality planning requirements for the California Air Resources Board (CARB) and local air districts. The bill requires CARB and the Air District to engage with communities to analyze and reduce localized cumulative exposure to air pollution to improve health in the most disproportionately impacted communities. CARB and the Air District will: 1) identify impacted communities in the Bay Area; 2) develop and implement monitoring programs to better understand local air pollution sources and exposures, and; 3) develop and implement community action plans to reduce local emissions and exposures. Air District AB 617 implementation activities will cut across all divisions and will represent a major focus for the agency in FYE 2019 and beyond.

Climate Protection Grant Program – Staff will administer the \$4.5 million Climate Protection Grant Program established by the Board of Directors. The grant program will provide resources to local governments to support implementation of local climate action plans and programs.

Toxics Risk Reduction Rule Implementation – On November 15, 2017, the Air District Board of Directors adopted Regulation 11, Rule 18, Reduction of Risk from Air Toxic Emissions at Existing Facilities (Rule 11-18). Under this rule, facility-wide health risk assessments (HRAs) will be required for about 350 existing Air District facilities to determine if they are required to reduce their risk. As part of the implementation of Rule 11-18, the Air District plans to evaluate 43 facilities that are likely to have the highest health impacts during the first years of implementation of this rule. These sites are expected to include refineries, cement manufacturing, metal melting, large chemical plants, large power plants, and landfills. The remaining 307 facilities will be evaluated in later years as part of rule implementation plan.

2017 Clean Air Plan – The Air District will continue to implement the 2017 Clean Air Plan: Spare the Air, Cool the Climate (2017 Plan), adopted by the Board of Directors in April 2017. The 2017 Plan identifies Air District projects and programs to reduce emissions of ozone precursors, fine particulates, air toxics and greenhouse gases (GHG), to improve air quality, public health and the global climate. Implementation activities cut across the agency and include rule development, permitting, enforcement, grants and incentives, collaboration with state, regional and local partners, research and technical analyses, community engagement, and public education.

Climate Tech Finance Program for Stationary Sources – The Technology Implementation Office launched a new loan and loan guarantee program for stationary sources, which leverages partnerships with state agencies and private lenders. This Climate Tech Finance Program supports Bay Area's industrial and municipal facilities in implementing new technologies that can reduce their greenhouse gas emissions, support more efficient operations and lower costs. In FYE 2020, the Air District will expand the outreach, matchmaking, and technical support that will increase facility awareness and utilization of impactful climate technologies and financing options

Grants for Zero Emissions Mobile Source Projects – The Air District's grants programs will be prioritizing and targeting projects that achieve zero-and near-zero emissions reductions from replacement of older on- and off-road mobile sources, fleet expansion for on-road cars, trucks and buses, and single-occupancy vehicle trip reduction strategies that target the region's residents and commuters. In addition, funding for early actions will also be prioritized for communities that are identified through the Community Air Quality Protection AB 617 process.



Clean Transportation for Low-Income Consumers – The Air District is expanding the Clean Cars for All incentive program for low-income consumers in disadvantaged communities to access clean transportation options, including plug-in hybrid vehicles, battery electric vehicles, or transit. This program and other electric vehicle incentive programs will be complemented by expanded public outreach and partnership activities.

## **FINANCIAL SUMMARY**

Total permit fee revenue for FYE 2020 is projected to increase, on average, by approximately 2.7%. This is mainly due to a proposed increase to the fee schedules. The proposed fee schedules are in accordance with the Cost Recovery Policy previously adopted by the Board. The budgeted amount for County revenue reflects an 8.8% increase over last year based upon projected increases in assessed valuations in the Bay Area. Additionally, a 144.5% increase in Special Revenue Funds is anticipated over the prior year due to a variety of new revenue sources such as the Volkswagen Settlement, Community Protection Air Quality Grant Program (AB 617/134), Clean Transportation for Low-Income Consumers and Grants for Zero Emissions Mobile Source.

The total Proposed General Fund Budget Expenditures for FYE 2020 of \$104.6 million represents an increase of approximately \$5.5 million or 5.5% over the FYE 2019 General Fund budget. This increase is primarily due to a combination of the following:

- \$3.5 million increase in Personnel Costs reflecting an increase in budgeted FTE positions over the prior year, increased health benefits premiums, and higher CalPERS employer contributions for FYE 2020.
- \$2.0 million increase in services and supplies and capital equipment purchases for FYE 2020.

The Proposed Consolidated Budget Expenditures for FYE2020 of \$252.7 million represents an increase of approximately \$93.0 million, or 58.2%. Of the \$93.0 million, \$85.1 million is related to program distributions from a variety of grant sources as noted earlier.

The proposed budget is balanced, reflecting a \$4.0 million transfer from General Fund reserves to cover one-time costs related to building improvements to the Richmond Office. The FYE 2020 Proposed Budget includes an economic contingency reserve policy of 20% of operating budget. This policy allows for a sound financial footing and provides the District the ability to operate for a minimum of three months in the event of a total loss of projected revenue. See Appendix C for further details on the District's Fund Balance.

## **REVENUES AND AVAILABLE FINANCING**

Details of the FYE 2020 General Fund Revenues and Expenditures by major categories are displayed in Appendix D, Figure 1 and Figure 2, including 3 years of prior year actuals and the approved budget for FYE 2019. In addition, a General Fund Five-Year Financial Forecast is displayed in Appendix F.

### Fee Revenue

This budget year, the Air District will continue the process of implementing fee increases as allowed under the *Health and Safety Code*. In FYE 2019, the approved fee schedule increased at an average blended rate of 6%. This increase reflected the Board's adoption of a cost recovery policy in accordance with the recommendations of the cost recovery study undertaken in 2010. An independent review of the Air District's cost recovery and containment process was conducted in April 2018. The FYE 2020 proposed fee increase also includes an overall average blended rate of 6.4%. If approved, the proposed fee increases will become effective July 1, 2019.

### County Revenue

The County revenue budget is based on property values in the nine Bay Area counties. For the FYE 2020 budget, staff is projecting a \$2.9 million or 8.8% increase in property taxes receipts over the FYE 2019 Budget primarily due to increased property valuations.

### Other Sources of General Fund Revenue

Federal grants from the EPA and other state/federal agencies show an increase of \$0.5 million or 5.6%. We anticipate continued funding from the State of \$4.8 million for AB 617 implementation efforts. As in the past, should the Air District receive supplemental Federal grants, the amounts will be presented to the Air District's Board for approval. The State Subvention grant for FYE 2020 is budgeted at \$1.7 million based on actual collections in prior year. Penalties and Settlements fluctuate from time to time; and the FYE 2020 projection is \$2.8 million.

## **INCENTIVES REVENUE**

### Transportation Fund for Clean Air (TFCA)

In 1991, the California State Legislature authorized the Air District to impose a \$4 surcharge on motor vehicles registered within its nine-county jurisdiction to fund projects that reduce on-road motor vehicle emissions. The Air District allocates these funds to eligible projects through the Transportation Fund for Clean Air (TFCA) program. The statutory authority for the TFCA and requirements of the program are set forth in California Health and Safety Code Sections 44241 and 44242. The Air District expends a portion of the funds collected for administrative purposes and provides the remainder of the funds to project sponsors that implement eligible projects or programs.

Sixty percent (60%) of the TFCA funds received are awarded directly by the Air District to eligible District programs (e.g., Smoking Vehicle, Enhanced Enforcement, and Spare the Air) and to a program referred to as the TFCA Regional Fund. The remaining forty percent (40%) of TFCA funds are forwarded to the designated congestion management agency within each Bay Area county to be distributed through the TFCA County Program Manager Fund program. Funding from the TFCA is used to support eligible zero-emissions on-road passenger vehicle, truck, and bus replacement and fleet expansion projects, and single-occupancy vehicle trip reduction strategies that target the region's residents and commuters.

### Mobile Source Incentive Fund (MSIF)

Assembly Bill 923 (AB 923 - Firebaugh), enacted in 2004 (codified as Health and Safety Code Section 44225), authorized local air districts to increase their motor vehicle registration surcharge up to an additional \$2 per vehicle. The revenues from the additional \$2 surcharge are deposited in the Air District's Mobile Source Incentive Fund (MSIF). The Health & Safety Code stipulates that air districts may use the revenues generated by the additional \$2 surcharge for projects eligible for funding under the following programs: Carl Moyer Program, Lower Emission School Bus Program, Light Duty Vehicle Scrap Program, and Agricultural Assistance Program. Funds may also be used for alternative fuel and electric infrastructure projects. The Air District provides these incentives to public and private entities for the implementation of eligible projects within the region. The Air District expends a portion of the funds collected for administrative purposes and provides the remainder to project sponsors that implement eligible projects. After successful reauthorization efforts in 2013, funding for the program will be available until 2024. Revenues from this funding source are separate from the General Fund budget for accounting purposes.

### Carl Moyer Program (CMP)

The Air District has participated in the Carl Moyer Program (CMP), in cooperation with the California Air Resources Board, since the program began in fiscal year 1998-1999. The CMP provides grants to public and private entities to reduce emissions of oxides of nitrogen (NOx), reactive organic gases (ROG) and particulate matter (PM) from existing heavy-duty engines by either replacing or retrofitting them. Eligible heavy-duty diesel engine applications include on-road trucks and buses, off-road equipment, marine vessels, locomotives, stationary agricultural pump engines and forklifts. Funds available through the CMP are a result of State legislation and are administered through CARB. After successful reauthorization efforts in 2013, funding for the program will be available until 2024.

### Community Protection Air Quality Grant Program (AB 617/134)

The Air District will be awarding \$40 million from AB 134 (2017) for emissions reduction projects that provide early actions of the AB 617 process through a Community Air Quality Protection Grant Program. Consistent with the AB 134 legislation, this funding will be primarily administered through the CMP to help target reductions in exposure to diesel emissions in identified local communities.

### Volkswagen Environmental Mitigation Trust (VW Trust)

The VW Trust is an element of the settlement with VW for their use of an illegal defeat device and is intended to fully mitigate the lifetime excess oxides of nitrogen (NOx) emissions caused by VW's actions. CARB is the designated Lead Agency acting on the State's behalf as beneficiary to implement California's \$423 million in VW Trust funds for eligible project categories. The Air District has been selected by the California Air Resources Board to administer VW Trust funding on a statewide-basis, including \$77 million for zero-emission freight and marine projects and \$11 million for light-duty zero emission vehicle infrastructure projects. These funds will be administered over ten years starting from May 2018 until May 2028.

## **OPERATING EXPENDITURES**

The FYE 2020 General Fund Proposed Operating Budget (net personnel & capital) of \$27.3 million decreased by \$2.4 million over the FYE 2019 Approved Budget primarily due to the one-time prior year funding of the revolving loan program by the Technology Implementation Office. A summary of the General Fund

Expenditures by Division from FYE 2018 (actual expenditures) through FYE 2020 (projected expenditures) is displayed in Table XI. In addition, the General Fund Expenditures by major categories from FYE 2016 (actuals) through FYE 2020 (projected expenditures) are displayed in Appendix E, Figure 2.

## **PERSONNEL EXPENDITURES**

The FYE 2020 budget provides for the filling of 405 FTE, with no increase in FTE over the approved FYE 2019 budget. This budget also projects a 3.0% salary savings due to vacancies.

The FYE 2020 budget also projects a cost of living adjustment of 3.5% based on the annual average increase in CPI for the Bay Area region, which is, however, dependent on the terms of a potential Memorandum of Understanding with the Employee's Association.

## **CAPITAL EXPENDITURES**

The budget for FYE 2020 funds capital expenditures from operating revenue and reserves for a total of \$9.4 million and is distributed across General Fund programs. Table XIII provides details of the individual capital items.

## **PLANNING FOR THE FUTURE AND COST CONTAINMENT**

Future projections anticipate adequate revenue to meet projected expenditures with the assumption of continued attention to cost and permit fee analysis. The Air District continues to be fiscally prudent by maintaining its reserves. Reserves address future capital equipment and facility needs, uncertainties in State funding and external factors affecting the economy that could impact the Air District's ability to balance its budgets.

While the increased pickup of pension costs by employees reduced the Air District's annual obligation, premiums in employee health benefit, pension costs and OPEB obligations continue to grow. Over the last few years, the Air District has made significant efforts in funding its obligations for OPEB by making additional contributions to fund its unfunded liability. Based on June 30, 2017 actuarial valuation study for OPEB, the Air District's plan is approximately 68% funded; leaving an unfunded liability of 32% or \$19.0 million. As a part of the FYE 2016 Budget, the Board adopted a minimum OPEB funding target policy of 90%. The FYE 2020 Budget includes the continuation of this funding with a \$4.0 million contribution.

The Air District's pension obligation is also growing; especially with recent changes in actuarial assumptions by CalPERS. As a result, CalPERS anticipates increased employer rates over the next 5 years. Based on the June 30, 2017 CalPERS actuarial valuation study, the Air District is currently funded at approximately 75%; leaving an unfunded liability of 25% or approximately \$75 million. Given these potential impacts, the FYE 2020 Budget includes continuation of \$1.0 million in discretionary contributions, which will be used for the sole purpose of reducing the unfunded liability to minimize the impact of future rate increases for the Air District.

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

**DISTRICT-WIDE REVENUE AND EXPENDITURE  
BUDGETS**

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

**TABLE I**

**CONSOLIDATED EXPENDITURES AND REVENUES BY MAJOR CATEGORIES**

	FYE 2018 AUDITED ACTUALS			FYE 2019 APPROVED BUDGET			FYE 2020 PROPOSED BUDGET		
	GENERAL FUND	SPECIAL FUNDS	TOTAL FUNDS	GENERAL FUND	SPECIAL FUNDS	TOTAL FUNDS	GENERAL FUND	SPECIAL FUNDS	TOTAL FUNDS
<b>REVENUES</b>									
County Revenues	33,032,767		33,032,767	33,274,701		33,274,701	36,186,420		36,186,420
Permits/Fees	45,592,051		45,592,051	47,172,396		47,172,396	48,456,606		48,456,606
Grant Revenues	3,020,684	40,160,659	43,181,343	6,323,921	60,150,463	66,474,384	6,501,565	148,045,010	154,546,575
Other Revenues	7,773,752		7,773,752	5,473,349		5,473,349	6,014,260		6,014,260
Sub Total	89,419,254	40,160,659	129,579,913	92,244,367	60,150,463	152,394,830	97,158,851	148,045,010	245,203,861
Reimbursements Programs	1,901,931		1,901,931	2,056,805		2,056,805	2,349,776		2,349,776
Transfer in	1,110,780		1,110,780	849,835	412,830	1,262,665	1,106,205	47,631	1,153,836
Transfer from / (to) Reserves	(10,244,500)		(10,244,500)	4,000,000		4,000,000	4,000,000		4,000,000
<b>TOTAL REVENUE</b>	<b>82,187,464</b>	<b>40,160,659</b>	<b>122,348,123</b>	<b>99,151,007</b>	<b>60,563,293</b>	<b>159,714,300</b>	<b>104,614,832</b>	<b>148,092,641</b>	<b>252,707,473</b>
<b>EXPENDITURES</b>									
Personnel & Benefits	57,029,489	3,380,633	60,410,122	64,405,260	5,140,771	69,546,031	67,884,119	6,233,072	74,117,191
Services and Supplies	17,932,201	4,246,114	22,178,315	29,676,361	9,959,245	39,635,606	27,278,966	11,018,440	38,297,406
Capital Expenditures	5,306,054		5,306,054	4,656,556		4,656,556	9,404,116		9,404,116
Other Financing Uses									
Sub Total	80,267,745	7,632,747	87,900,491	98,738,177	15,100,016	113,838,193	104,567,201	17,251,512	121,818,713
Program Distributions	1,919,719	31,417,133	33,336,852		44,613,442	44,613,442		129,734,924	129,734,924
Transfer Out		1,110,780	1,110,780	412,830	849,835	1,262,665	47,631	1,106,205	1,153,836
<b>TOTAL EXPENDITURE</b>	<b>82,187,464</b>	<b>40,160,659</b>	<b>122,348,123</b>	<b>99,151,007</b>	<b>60,563,293</b>	<b>159,714,300</b>	<b>104,614,832</b>	<b>148,092,641</b>	<b>252,707,473</b>

**TABLE II  
CONSOLIDATED REVENUES**

	FYE 2018 Audited Actuals	FYE 2019 Approved Budget	FYE 2020 Proposed Budget	Dollar Change	Percent Change
<b>GENERAL FUND</b>					
<u>County Revenues:</u>					
Alameda	\$5,858,293	\$5,990,947	\$6,407,278	\$416,331	6.95%
Contra Costa	\$3,671,228	\$3,977,286	\$4,348,666	\$371,380	9.34%
Marin	\$1,488,043	\$1,505,345	\$1,602,308	\$96,963	6.44%
Napa	\$1,042,396	\$956,045	\$965,511	\$9,466	0.99%
San Francisco	\$5,224,019	\$4,893,600	\$5,652,990	\$759,390	15.52%
San Mateo	\$4,479,649	\$4,300,430	\$4,719,052	\$418,522	9.73%
Santa Clara	\$8,969,496	\$9,370,827	\$10,166,103	\$795,276	8.49%
Solano	\$832,404	\$836,834	\$866,834	\$30,000	3.58%
Sonoma	\$1,467,239	\$1,443,387	\$1,457,678	\$14,291	0.99%
<b>Total County Revenues</b>	<b>\$33,032,767</b>	<b>\$33,274,701</b>	<b>\$36,186,420</b>	<b>\$2,911,719</b>	<b>8.75%</b>
<u>Permits/Fees:</u>					
Annual Plant Renewal	\$32,747,776	\$35,067,943	\$35,556,043	\$488,102	1.39%
Title V Permit Fees	\$5,439,167	\$5,810,627	\$5,902,811	\$172,184	2.96%
Asbestos Fees	\$4,066,794	\$2,500,000	\$3,200,000	\$750,000	30.00%
Toxic Inventory Fees (AB2588)	\$336,389	\$506,806	\$65,000	(\$441,806)	(87.17%)
Registration Fees	\$217,182	\$312,326	\$324,965	\$12,639	4.05%
Hearing Board Fees (Variances)	\$15,420	\$8,000	\$15,000	\$7,000	87.50%
Greenhouse Gas Fees	\$2,769,323	\$2,966,694	\$3,262,785	\$296,091	9.98%
<b>Total Permit Fees</b>	<b>\$45,592,051</b>	<b>\$47,723,396</b>	<b>\$48,456,606</b>	<b>\$1,284,210</b>	<b>2.72%</b>
<u>Grant Revenues:</u>					
Federal Grants	\$2,269,012	\$1,523,921	\$1,701,565	\$177,644	11.66%
Other Grants	\$731,672	\$4,800,000	\$4,800,000		
<b>Total Grant Revenues</b>	<b>\$3,020,684</b>	<b>\$6,323,921</b>	<b>\$6,501,565</b>	<b>\$177,644</b>	<b>2.81%</b>
<u>Other Revenues:</u>					
Penalties and Settlements	\$4,357,810	\$2,750,000	\$2,750,000		
State Subvention	\$1,724,380	\$1,726,553	\$1,734,600	\$8,047	0.47%
PERP( Portable Equip Registration)	\$547,583	\$400,000	\$450,000	\$50,000	12.50%
Interest Income	\$993,016	\$496,796	\$979,660	\$482,864	97.20%
Miscellaneous Revenue	\$150,958	\$100,000	\$100,000		
<b>Total Other Revenues</b>	<b>\$7,773,752</b>	<b>\$5,473,349</b>	<b>\$6,014,260</b>	<b>\$540,911</b>	<b>9.88%</b>
<b>Total Operating Revenues</b>	<b>\$89,419,254</b>	<b>\$92,244,367</b>	<b>\$97,158,851</b>	<b>\$4,914,484</b>	<b>5.33%</b>
<u>Reimbursement Programs:</u>					
CMAQ Funding	\$688,998	\$885,000	\$1,000,000	115,000.00	12.99%
DHS Biowatch Funding	\$1,212,933	\$1,171,805	\$1,349,776	\$177,971	15.19%
<b>Total Reimbursement Programs</b>	<b>\$1,901,931</b>	<b>\$2,056,805</b>	<b>\$2,349,776</b>	<b>\$292,971</b>	<b>14.24%</b>
<u>Transfer from / (to) Reserves:</u>	(\$10,244,500)	\$4,000,000	\$4,000,000		
<u>Transfer In:</u>	\$1,110,780	\$849,835	\$1,106,205	\$256,370	30.17%
<b>Total General Fund Revenues</b>	<b>\$82,187,464</b>	<b>\$99,151,007</b>	<b>\$104,614,832</b>	<b>\$5,463,825</b>	<b>5.51%</b>
<b>SPECIAL REVENUE FUNDS</b>					
<u>Grant Programs:</u>					
Carl Moyer Fund	\$6,670,949	\$15,409,032	\$48,536,139	\$33,127,107	214.98%
Mobile Source Incentives Fund	\$4,725,462	\$12,522,712	\$12,548,948	\$26,236	0.21%
California Goods Movement Bond	\$1,042,148	\$150,000	\$102,369	(\$47,631)	(31.75%)
Transportation Fund for Clean Air	\$17,877,643	\$24,271,452	\$22,939,116	(\$1,332,336)	(5.49%)
Other Grants Revenue	\$9,844,457	\$7,797,267	\$17,185,536	\$9,388,269	120.40%
Vehicles Mitigation			\$46,732,902	\$46,732,902	-
Transfer In		\$412,830	\$47,631	(\$365,199)	(88.46%)
<b>Total Special Revenue Funds</b>	<b>\$40,160,659</b>	<b>\$60,563,293</b>	<b>\$148,092,641</b>	<b>\$87,529,348</b>	<b>144.53%</b>
<b>TOTAL CONSOLIDATED REVENUES</b>	<b>\$122,348,123</b>	<b>\$159,714,300</b>	<b>\$252,707,473</b>	<b>\$92,993,173</b>	<b>58.22%</b>

**TABLE III  
CONSOLIDATED EXPENDITURES**

	FYE 2018 Audited Expenditures	FYE 2019 Approved Budget	FYE 2020 Proposed Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>	333	397	405	8	2.02%
<b>Personnel Expenditures</b>					
Permanent Salaries	\$38,470,085	\$46,130,610	\$48,646,329	\$2,515,719	5.45%
Overtime Salaries	\$411,652	\$430,196	\$370,580	(\$59,616)	(13.86%)
Temporary Salaries	\$741,468	\$95,958	\$77,554	(\$18,404)	(19.18%)
Payroll Taxes	\$743,470	\$667,291	\$702,638	\$35,347	5.30%
Pension Benefits	\$6,407,096	\$8,250,472	\$9,676,830	\$1,426,358	17.29%
Pension Liability		\$1,000,000	\$1,000,000		
FICA Replacement Benefits	\$601,325	\$685,863	\$710,386	\$24,524	3.58%
Group Insurance Benefits	\$8,350,179	\$9,438,503	\$10,340,440	\$901,936	9.56%
Employee Transportation Subsidy	\$477,442	\$459,989	\$567,648	\$107,659	23.40%
Workers' Compensation	\$147,904	\$230,000	\$230,000		
Other Post-Employment Benefits	\$4,000,000	\$4,000,000	\$4,000,000		
Board Stipends	\$65,500	\$92,000	\$92,000		
Vacancy Savings		(\$1,934,850)	(\$2,297,214)	(\$362,364)	18.73%
<b>Total Personnel Expenditures</b>	\$60,416,122	\$69,546,032	\$74,117,191	\$4,571,160	6.57%
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	\$121,052	\$259,682	\$309,322	\$49,640	19.12%
Travel Out-Of-State	\$109,208	\$215,125	\$221,510	\$6,385	2.97%
Training & Education	\$506,808	\$719,129	\$732,839	\$13,710	1.91%
Repair & Maintenance (Equipment)	\$508,140	\$1,029,007	\$1,005,367	(\$23,640)	(2.30%)
Communications	\$565,589	\$805,231	\$806,731	\$1,500	0.19%
Building Maintenance	\$372,303	\$469,377	\$454,641	(\$15,336)	(3.26%)
Utilities	\$131,385	\$241,881	\$244,816	\$2,935	1.21%
Postage	\$46,719	\$154,340	\$167,240	\$12,900	8.36%
Printing & Reproduction	\$187,099	\$436,539	\$456,839	\$20,300	4.65%
Equipment Rental	\$55,077	\$33,000	\$35,000	\$2,000	6.06%
Rents & Leases	\$2,357,421	\$3,029,751	\$3,305,664	\$275,913	9.11%
Professional Services & Contracts	\$15,243,731	\$29,807,077	\$27,866,254	(\$1,940,823)	(6.51%)
General Insurance	\$387,279	\$400,000	\$419,000	\$19,000	4.75%
Shop & Field Supplies	\$167,203	\$570,657	\$615,380	\$44,723	7.84%
Laboratory Supplies	\$130,005	\$164,329	\$214,529	\$50,200	30.55%
Gasoline & Variable Fuel	\$241,745	\$230,000	\$265,000	\$35,000	15.22%
Computer Hardware & Software	\$218,953	\$747,365	\$866,915	\$119,550	16.00%
Stationery & Office Supplies	\$44,761	\$130,150	\$136,400	\$6,250	4.80%
Books & Journals	\$37,899	\$74,863	\$49,056	(\$25,807)	(34.47%)
Minor Office Equipment	\$73,304	\$117,503	\$124,903	\$7,400	6.30%
Other Financing Resource	\$441,732				
<b>Total Services &amp; Supplies Expenditures</b>	\$22,178,315	\$39,635,606	\$38,297,406	(\$1,338,200)	(3.38%)
<b>Capital Expenditures</b>					
Leasehold Improvements		\$75,000		(\$75,000)	(100.00%)
Building & Grounds			\$4,075,000	\$4,075,000	
Office Equipment	\$35,352	\$50,000	\$60,000	\$10,000	20.00%
Computer & Network Equipment	\$4,115,009	\$2,640,000	\$2,945,000	\$305,000	11.55%
Motorized Equipment	\$37,269	\$25,000		(\$25,000)	(100.00%)
Lab & Monitoring Equipment	\$728,595	\$1,466,556	\$1,924,116	\$457,560	31.20%
Communications Equipment	\$373,971	\$400,000	\$400,000		
General Equipment	\$15,858				
PM 2.5 Equipment					
Biowatch Equipment					
<b>Total Capital Expenditures</b>	\$5,306,054	\$4,656,556	\$9,404,116	\$4,747,560	101.95%
<b>Total Expenditures</b>	\$87,900,491	\$113,838,194	\$121,818,713	\$7,980,520	7.01%
<b>Transfer Out</b>	\$1,110,780	\$1,262,665	\$1,153,836	(\$108,829)	(8.62%)
<b>Program Distributions</b>	33,336,852	\$44,613,442	\$129,734,924	\$85,121,482	190.80%
<b>Total Expenditures Including Program Distributions</b>	\$122,348,123	\$159,714,300	\$252,707,473	\$92,993,173	58.22%



**TABLE IV  
GENERAL FUND**

	FYE 2018 Audited Actuals	FYE 2019 Approved Budget	FYE 2020 Proposed Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>	311.15	364.85	367.93	3.08	0.85%
<b>Revenue</b>					
General Revenues	\$81,076,684	\$98,182,228	\$103,508,627	\$5,326,399	5.43%
Transfer in from TFCA/MSIF	\$1,110,780	\$968,779	\$1,106,205	\$137,426	14.19%
<b>Total Revenue</b>	\$82,187,464	\$99,151,007	\$104,614,832	\$5,463,825	5.51%
<b>Personnel Expenditures</b>					
Permanent Salaries	\$36,278,098	\$42,671,414	\$44,519,692	\$1,848,278	4.33%
Overtime Salaries	\$291,444	\$375,196	\$333,580	(\$11,616)	(11.09%)
Temporary Salaries	\$700,664	\$95,958	\$77,554	(\$18,404)	(19.18%)
Payroll Taxes	\$709,759	\$617,040	\$643,062	\$26,021	4.22%
Pension Benefits	\$6,031,188	\$7,668,252	\$8,903,812	\$1,235,560	16.11%
Pension Liability		\$919,007	\$908,463	(\$10,538)	(1.15%)
FICA Replacement Benefits	\$577,295	\$630,355	\$645,364	\$15,009	2.38%
Group Insurance Benefits	\$8,011,143	\$8,943,031	\$9,699,236	\$756,254	8.46%
Employee Transportation Subsidy	\$451,058	\$440,457	\$515,891	\$75,234	17.08%
Workers' Compensation	\$141,280	\$211,372	\$208,948	(\$2,424)	(1.15%)
Other Post-Employment Benefits	\$3,772,060	\$3,676,028	\$3,633,877	(\$42,152)	(1.15%)
Board Stipends	\$65,500	\$92,000	\$92,000		
Vacancy Savings		(\$1,934,850)	(2,297,214)	(\$362,364)	18.73%
<b>Total Personnel Expenditures</b>	\$57,029,489	\$64,405,260	\$67,884,119	\$3,478,859	5.40%
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	\$114,817	\$215,282	\$234,022	\$18,740	8.70%
Travel Out-Of-State	\$92,424	\$194,025	\$202,510	\$8,485	4.37%
Training & Education	\$501,327	\$691,423	\$707,639	\$16,210	2.34%
Repair & Maintenance (Equipment)	\$508,140	\$1,029,007	\$1,005,367	(\$23,640)	(2.30%)
Communications	\$361,478	\$801,131	\$801,731	\$600	0.07%
Building Maintenance	\$372,308	\$469,977	\$454,641	(\$15,336)	(3.26%)
Utilities	\$131,175	\$241,481	\$244,816	\$3,335	1.38%
Postage	\$46,719	\$145,240	\$153,240	\$8,000	5.51%
Printing & Reproduction	\$177,246	\$408,039	\$426,339	\$18,300	4.48%
Equipment Rental	\$55,977	\$33,000	\$35,000	\$2,000	6.06%
Rents & Leases	\$2,323,835	\$2,999,751	\$3,305,664	\$305,913	10.20%
Professional Services & Contracts	\$1,044,843	\$20,041,972	\$17,102,354	(\$2,939,618)	(14.67%)
General Insurance	\$387,279	\$400,000	\$419,000	\$19,000	4.75%
Shop & Field Supplies	\$367,060	\$563,157	\$606,880	\$43,723	7.76%
Laboratory Supplies	\$130,005	\$164,329	\$214,529	\$50,200	30.55%
Gasoline & Variable Fuel	\$241,745	\$230,000	\$265,000	\$35,000	15.22%
Computer Hardware & Software	\$218,928	\$734,465	\$798,715	\$64,250	8.75%
Stationery & Office Supplies	\$43,962	\$124,550	\$131,050	\$6,500	5.22%
Books & Journals	\$37,899	\$73,923	\$47,966	(\$25,957)	(35.11%)
Minor Office Equipment	\$73,304	\$115,603	\$122,503	\$6,900	5.97%
Other Financing Resources	\$441,732				
<b>Total Services &amp; Supplies Expenditures</b>	\$17,932,201	\$29,676,361	\$27,278,966	(\$2,397,395)	(8.08%)
<b>Capital Expenditures</b>					
Leasehold Improvements		\$75,000		(\$75,000)	(100.00%)
Building & Grounds			\$4,075,000	\$4,075,000	
Office Equipment	\$35,352	\$50,000	\$60,000	\$10,000	20.00%
Computer & Network Equipment	\$4,115,009	\$2,640,000	\$2,945,000	\$305,000	11.55%
Motorized Equipment	\$37,269	\$25,000		(\$25,000)	(100.00%)
Lab & Monitoring Equipment	\$728,595	\$1,466,556	\$1,924,116	\$457,560	31.20%
Communications Equipment	\$373,971	\$400,000	\$400,000		
General Equipment	\$15,858				
PM 2.5 Equipment					
Biowatch Equipment					
<b>Total Capital Expenditures</b>	\$5,306,054	\$4,656,556	\$9,404,116	\$4,747,560	101.95%
<b>Transfer Out</b>		\$412,830	\$47,631	(\$365,199)	(88.46%)
<b>Total Expenditures</b>	\$80,267,745	\$99,151,007	\$104,614,832	\$5,463,825	5.51%
<b>Program Distributions</b>	\$1,919,719				
<b>Total Expenditures Including Program Distributions</b>	\$82,187,464	\$99,151,007	\$104,614,832	\$5,463,825	5.51%

**TABLE V  
CARL MOYER FUND**

	FYE 2018 Audited Actuals	FYE 2019 Approved Budget	FYE 2020 Proposed Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>	2.98	5.39	8.74	3.35	62.15%
<b>Revenue</b>					
Admin Cost Income	\$748,631	\$961,036	\$1,870,131	\$909,095	94.60%
Program Revenues	\$5,922,319	\$14,447,996	\$46,666,008	\$32,218,012	222.99%
General Fund Subsidy					
<b>Total Revenue</b>	\$6,670,949	\$15,409,032	\$48,536,139	\$33,127,107	214.98%
<b>Personnel Expenditures</b>					
Permanent Salaries	\$347,944	\$564,784	\$1,000,361	\$435,577	77.12%
Overtime Salaries	\$596		\$35,000	\$35,000	
Temporary Salaries					
Payroll Taxes	\$5,296	\$8,071	\$14,825	\$6,754	83.68%
Pension Benefits	\$50,687	\$107,057	\$211,001	\$103,944	97.09%
FICA Replacement Benefits	\$3,579	\$9,268	\$15,330	\$6,062	65.41%
Group Insurance Benefits	\$50,466	\$78,273	\$174,779	\$96,506	123.29%
Employee Transportation Subsidy	\$3,745	\$4,855	\$12,250	\$7,395	152.32%
Workers' Compensation	\$1,052	\$3,123	\$4,963	\$1,841	58.95%
Other Post-Employment Benefits	\$36,200	\$54,807	\$86,321	\$32,014	58.95%
<b>Total Personnel Expenditures</b>	\$499,563	\$829,738	\$1,554,831	\$725,093	87.39%
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	\$1,287		\$4,000	\$4,000	
Travel Out-Of-State			\$3,000	\$3,000	
Training & Education	\$635	\$1,500	\$1,500		
Repair & Maintenance (Equipment)					
Communications					
Building Maintenance					
Utilities					
Postage					
Printing & Reproduction		\$1,500	\$2,000	\$500	33.33%
Equipment Rental					
Rents & Leases					
Professional Services & Contracts	\$3,673	\$125,098	\$300,000	\$174,902	139.81%
General Insurance					
Shop & Field Supplies	\$143	\$1,000	\$2,000	\$1,000	100.00%
Laboratory Supplies					
Gasoline & Variable Fuel					
Computer Hardware & Software		\$1,000	\$1,000		
Stationery & Office Supplies	\$243	\$600	\$600		
Books & Journals		\$100	\$200	\$100	100.00%
Minor Office Equipment		\$500	\$1,000	\$500	100.00%
Depreciation & Amortization					
Non-Capital Assets					
<b>Total Services &amp; Supplies Expenditures</b>	\$5,982	\$131,298	\$315,300	\$184,002	140.14%
<b>Capital Expenditures</b>					
Office Equipment					
Computer & Network Equipment					
Motorized Equipment					
General Equipment					
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	\$243,086				
<b>Total Expenditures</b>	\$748,631	\$961,036	\$1,870,131	\$909,095	94.60%
<b>Program Distributions</b>	\$5,922,319	\$14,447,996	\$46,666,008	\$32,218,012	222.99%
<b>Total Expenditures Including Program Distributions</b>	\$6,670,949	\$15,409,032	\$48,536,139	\$33,127,107	214.98%

**TABLE VI  
MOBILE SOURCE INCENTIVE FUND (MSIF)**

	<b>FYE 2018 Audited Actuals</b>	<b>FYE 2019 Approved Budget</b>	<b>FYE 2020 Proposed Budget</b>	<b>FTE/Dollar Change</b>	<b>Percent Change</b>
<b>Number of Positions (FTE)</b>	3.72	3.44	2.43	(1.01)	(29.36%)
<b>Revenue</b>					
Admin Cost Income	\$3,611,714	\$782,669	\$784,209	\$1,540	0.20%
Program Revenues	\$1,113,748	\$11,740,043	\$11,764,739	\$24,696	0.21%
Transfer in from General Fund					
<b>Total Revenue</b>	\$4,725,462	\$12,522,712	\$12,548,948	\$26,236	0.21%
<b>Personnel Expenditures</b>					
Permanent Salaries	\$397,243	\$390,637	\$269,726	(\$120,911)	(30.95%)
Overtime Salaries	\$225				
Temporary Salaries					
Payroll Taxes	\$6,152	\$5,589	\$3,859	(\$1,730)	(30.95%)
Pension Benefits	\$73,053	\$75,301	\$57,156	(\$18,145)	(24.10%)
FICA Replacement Benefits	\$4,528	\$5,940	\$4,262	(\$1,678)	(28.24%)
Group Insurance Benefits	\$63,933	\$60,897	\$44,145	(\$16,753)	(27.51%)
Employee Transportation Subsidy	\$4,735	\$1,942	\$3,406	\$1,464	75.38%
Workers' Compensation	\$1,200	\$1,993	\$1,380	(\$613)	(30.76%)
Other Post-Employment Benefits	\$41,290	\$34,660	\$24,000	(\$10,660)	(30.76%)
Board Stipends					
<b>Total Personnel Expenditures</b>	\$592,359	\$576,959	\$407,934	(\$169,025)	(29.30%)
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	\$236	\$2,000	\$8,000	\$6,000	300.00%
Travel Out-Of-State					
Training & Education		\$1,500	\$5,000	\$3,500	233.33%
Repair & Maintenance (Equipment)					
Communications	\$456	\$100		(\$100)	(100.00%)
Building Maintenance					
Utilities					
Postage					
Printing & Reproduction	\$838	\$1,500	\$3,000	\$1,500	100.00%
Equipment Rental					
Rents & Leases					
Professional Services & Contracts	\$2,885,174	\$7,270,000	\$7,320,000	\$50,000	0.69%
General Insurance					
Shop & Field Supplies					
Laboratory Supplies					
Gasoline & Variable Fuel					
Computer Hardware & Software		\$3,000	\$4,000	\$1,000	33.33%
Stationery & Office Supplies		\$500	\$500		
Books & Journals		\$200	\$200		
Minor Office Equipment		\$1,000	\$1,000		
Non-Capital Assets					
<b>Total Services &amp; Supplies Expenditures</b>	\$2,886,704	\$7,279,800	\$7,341,700	\$61,900	0.85%
<b>Capital Expenditures</b>					
Computer & Network Equipment					
Motorized Equipment					
Communications Equipment					
General Equipment					
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	\$132,650	\$126,010	\$234,675	\$108,665	86.24%
<b>Total Expenditures</b>	\$3,611,714	\$7,982,769	\$7,984,309	\$1,540	0.02%
<b>Program Distributions</b>	\$1,113,748	\$4,539,943	\$4,564,639	\$24,696	0.54%
<b>Total Expenditures Including Program Distributions</b>	\$4,725,462	\$12,522,712	\$12,548,948	\$26,236	0.21%

**TABLE VII  
CALIFORNIA GOODS MOVEMENT BOND (CGMB)**

	FYE 2018 Audited Actuals	FYE 2019 Approved Budget	FYE 2020 Proposed Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>	1.09	2.73	0.84	(1.89)	(69.23%)
<b>Revenue</b>					
Admin Cost Income	\$211,510	\$150,000	\$150,000	(\$0)	(0.00%)
Program Revenues	\$830,638				
Transfer in from General Fund		\$412,830	\$47,631	(\$365,199)	(88.46%)
<b>Total Revenue</b>	\$1,042,148	\$562,830	\$197,631	(\$365,199)	(64.89%)
<b>Personnel Expenditures</b>					
Permanent Salaries	\$157,692	\$328,124	\$89,194	(\$238,930)	(72.82%)
Overtime Salaries					
Temporary Salaries	\$2,558				
Payroll Taxes	\$2,452	\$4,698	\$1,275	(\$3,423)	(72.85%)
Pension Benefits	\$41,358	\$63,145	\$18,787	(\$44,358)	(70.25%)
FICA Replacement Benefits	\$1,794	\$4,723	\$1,473	(\$3,250)	(68.80%)
Group Insurance Benefits	\$25,323	\$41,633	\$17,451	(\$24,242)	(58.14%)
Employee Transportation Subsidy	\$2,335	\$1,359	\$1,177	(\$182)	(13.39%)
Workers' Compensation	\$476	\$1,582	\$477	(\$1,105)	(69.84%)
Other Post-Employment Benefits	\$16,398	\$27,506	\$8,296	(\$19,210)	(69.84%)
Board Stipends					
<b>Total Personnel Expenditures</b>	\$250,385	\$472,830	\$138,131	(\$334,699)	(70.79%)
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State		\$2,000	\$2,000		
Travel Out-Of-State					
Training & Education		\$1,500	\$1,500		
Repair & Maintenance (Equipment)					
Communications					
Building Maintenance					
Utilities	\$210	\$400		(\$400)	(100.00%)
Postage		\$100		(\$100)	(100.00%)
Printing & Reproduction		\$500	\$500		
Equipment Rental					
Rents & Leases	\$3,585	\$30,000		(\$30,000)	(100.00%)
Professional Services & Contracts	\$14,903	\$50,000	\$50,000		
General Insurance					
Shop & Field Supplies		\$3,000	\$3,000		
Laboratory Supplies					
Gasoline & Variable Fuel					
Computer Hardware & Software		\$1,500	\$1,500		
Stationery & Office Supplies		\$1,000	\$1,000		
Books & Journals					
Minor Office Equipment					
Non-Capital Assets					
<b>Total Services &amp; Supplies Expenditures</b>	\$18,699	\$90,000	\$59,500	(\$30,500)	(33.89%)
<b>Capital Expenditures</b>					
Office Equipment					
Computer & Network Equipment					
Motorized Equipment					
Communications Equipment					
General Equipment					
<b>Total Capital Expenditures</b>					
<b>Transfers Out</b>	(\$57,574)				
<b>Total Expenditures</b>	\$211,510	\$562,830	\$197,631	(\$365,199)	(64.89%)
<b>Program Distributions</b>	\$830,638				
<b>Total Expenditures Including Program Distributions</b>	\$1,042,148	\$562,830	\$197,631	(\$365,199)	(64.89%)

**TABLE VIII  
TRANSPORTATION FUND FOR CLEAN AIR (TFCA)**

	FYE 2018 Audited Actuals	FYE 2019 Approved Budget	FYE 2020 Proposed Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>	10.74	11.97	12.52	0.55	4.56%
<b>Revenue</b>					
Admin Cost Income	\$972,152	\$1,616,919	\$1,628,618	\$11,699	0.72%
Program Revenues	\$16,905,490	\$22,654,533	\$21,310,498	(\$1,344,035)	(5.93%)
<b>Total Revenue</b>	\$17,877,643	\$24,271,452	\$22,939,116	(\$1,332,336)	(5.49%)
<b>Personnel Expenditures</b>					
Permanent Salaries	\$1,068,751	\$1,227,197	\$1,383,956	\$156,758	12.77%
Overtime Salaries	\$118,041	\$30,000		(\$88,041)	(100.00%)
Temporary Salaries	\$21,418				
Payroll Taxes	\$16,448	\$17,967	\$19,798	\$1,831	10.19%
Pension Benefits	\$189,879	\$237,501	\$291,785	\$54,282	22.86%
FICA Replacement Benefits	\$11,831	\$20,620	\$21,961	\$1,341	6.50%
Group Insurance Benefits	\$166,895	\$195,715	\$218,360	\$22,644	11.57%
Employee Transportation Subsidy	\$13,161	\$8,133	\$17,548	\$9,416	115.78%
Workers' Compensation	\$3,229	\$6,937	\$7,110	\$173	2.49%
Other Post-Employment Benefits	\$111,137	\$120,647	\$123,654	\$3,007	2.49%
Board Stipends					
<b>Total Personnel Expenditures</b>	\$1,720,790	\$1,864,717	\$2,084,170	\$219,453	11.77%
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	\$3,037	\$17,200	\$18,400	\$1,200	6.98%
Travel Out-Of-State	\$6,579	\$4,000	\$9,000	\$5,000	125.00%
Training & Education	\$3,471	\$12,200	\$14,200	\$2,000	16.39%
Repair & Maintenance (Equipment)					
Communications	\$3,654	\$4,000	\$4,000		
Building Maintenance					
Utilities					
Postage		\$9,000	\$14,000	\$5,000	55.56%
Printing & Reproduction	\$9,016	\$25,000	\$25,000		
Equipment Rental					
Rents & Leases					
Professional Services & Contracts	\$1,190,893	\$1,803,007	\$1,392,500	(\$410,507)	(22.77%)
General Insurance					
Shop & Field Supplies		\$3,500	\$3,500		
Laboratory Supplies					
Gasoline & Variable Fuel					
Computer Hardware & Software	\$25	\$7,400	\$7,400		
Stationery & Office Supplies	\$556	\$3,000	\$3,000		
Books & Journals		\$440	\$440		
Minor Office Equipment		\$400	\$400		
Non-Capital Assets					
<b>Total Services &amp; Supplies Expenditures</b>	\$1,217,231	\$1,889,147	\$1,491,840	(\$397,307)	(21.03%)
<b>Capital Expenditures</b>					
Office Equipment					
Computer & Network Equipment					
Motorized Equipment					
Lab & Monitoring Equipment					
Communications Equipment					
General Equipment					
<b>Total Capital Expenditures</b>					
<b>Transfers Out</b>	\$756,586	\$723,825	\$521,329	(\$202,496)	(27.98%)
<b>Total Expenditures</b>	\$3,694,606	\$4,477,689	\$4,097,339	(\$380,350)	(8.49%)
<b>Program Distributions</b>	\$14,183,037	\$19,793,763	\$18,841,777	(\$951,986)	(4.81%)
<b>Total Expenditures Including Program Distributions</b>	\$17,877,643	\$24,271,452	\$22,939,116	(\$1,332,336)	(5.49%)

**TABLE IX  
OTHER GRANTS REVENUE FUND**

	<b>FYE 2018 Audited Actuals</b>	<b>FYE 2019 Approved Budget</b>	<b>FYE 2020 Proposed Budget</b>	<b>FTE/Dollar Change</b>	<b>Percent Change</b>
<b>Number of Positions (FTE)</b>	3.06	8.62	7.42	(1.20)	(13.92%)
<b>Revenue</b>					
Admin Cost Income	\$477,065	\$1,965,527	\$1,773,036	(\$192,491)	(9.79%)
Program Revenues	\$9,367,392	\$5,831,740	\$15,412,500	\$9,580,760	164.29%
<b>Total Revenue</b>	\$9,844,457	\$7,797,267	\$17,185,536	\$9,388,269	120.40%
<b>Personnel Expenditures</b>					
Permanent Salaries	\$220,357	\$948,452	\$798,591	(\$149,861)	(15.80%)
Overtime Salaries	\$1,347	\$25,000	\$2,000	(\$23,000)	(92.00%)
Temporary Salaries	\$16,829				
Payroll Taxes	\$3,363	\$13,926	\$11,449	(\$2,477)	(17.79%)
Pension Benefits	\$20,932	\$180,209	\$166,065	(\$12,144)	(6.74%)
FICA Replacement Benefits	\$32,299	\$14,957	\$13,015	(\$1,942)	(12.99%)
Group Insurance Benefits	\$32,420	\$118,894	\$82,918	(\$35,976)	(30.26%)
Employee Transportation Subsidy	\$2,408	\$3,243	\$10,400	\$7,157	220.68%
Workers' Compensation	\$666	\$4,994	\$4,214	(\$780)	(15.62%)
Other Post-Employment Benefits	\$22,914	\$86,851	\$73,284	(\$13,567)	(15.62%)
Board Stipends					
<b>Total Personnel Expenditures</b>	\$323,535	\$1,396,527	\$1,163,936	(\$232,591)	(16.65%)
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	\$1,674	\$23,200	\$15,300	(\$7,900)	(34.05%)
Travel Out-Of-State	\$10,205	\$17,100	\$7,000	(\$10,100)	(59.06%)
Training & Education	\$1,375	\$11,000	\$3,000	(\$8,000)	(72.73%)
Repair & Maintenance (Equipment)					
Communications			\$1,000	\$1,000	
Building Maintenance					
Utilities					
Postage					
Printing & Reproduction					
Equipment Rental					
Rents & Leases					
Professional Services & Contracts	\$104,244	\$517,000	\$1,278,000	\$761,000	147.20%
General Insurance					
Shop & Field Supplies					
Laboratory Supplies					
Gasoline & Variable Fuel					
Computer Hardware & Software			\$54,300	\$54,300	
Stationery & Office Supplies		\$500	\$250	(\$250)	(50.00%)
Books & Journals		\$200	\$250	\$50	25.00%
Minor Office Equipment					
Non-Capital Assets					
<b>Total Services &amp; Supplies Expenditures</b>	\$117,499	\$569,000	\$1,359,100	\$790,100	138.86%
<b>Capital Expenditures</b>					
Office Equipment					
Computer & Network Equipment					
Motorized Equipment					
Lab & Monitoring Equipment					
Communications Equipment					
General Equipment					
PM 2.5 Equipment					
Biowatch Equipment					
<b>Total Capital Expenditures</b>					
<b>Transfers Out</b>	\$36,031				
<b>Total Expenditures</b>	\$477,065	\$1,965,527	\$2,523,036	\$557,509	28.36%
<b>Program Distributions</b>	\$9,367,392	\$5,831,740	\$14,662,500	\$8,830,760	151.43%
<b>Total Expenditures Including Program Distributions</b>	\$9,844,457	\$7,797,267	\$17,185,536	\$9,388,269	120.40%

**TABLE X  
VEHICLE MITIGATION FUND**

	FYE 2018 Audited Actuals	FYE 2019 Approved Budget	FYE 2020 Proposed Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>			5.12	5.12	
<b>Revenue</b>					
Admin Cost Income			\$1,732,902	\$1,732,902	
Program Revenues			\$45,000,000	\$45,000,000	
<b>Total Revenue</b>			\$46,732,902	\$46,732,902	
<b>Personnel Expenditures</b>					
Permanent Salaries			\$584,809	\$584,809	
Overtime Salaries					
Temporary Salaries					
Payroll Taxes			\$8,370	\$8,370	
Pension Benefits			\$117,757	\$117,757	
FICA Replacement Benefits			\$8,981	\$8,981	
Group Insurance Benefits			\$103,502	\$103,502	
Employee Transportation Subsidy			\$7,176	\$7,176	
Workers' Compensation			\$2,908	\$2,908	
Other Post-Employment Benefits			\$50,568	\$50,568	
Board Stipends					
<b>Total Personnel Expenditures</b>			\$884,070	\$884,070	
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State			\$27,600	\$27,600	
Travel Out-Of-State					
Training & Education					
Repair & Maintenance (Equipment)					
Communications					
Building Maintenance					
Utilities					
Postage					
Printing & Reproduction					
Equipment Rental					
Rents & Leases					
Professional Services & Contracts			\$423,400	\$423,400	
General Insurance					
Shop & Field Supplies					
Laboratory Supplies					
Gasoline & Variable Fuel					
Computer Hardware & Software					
Stationery & Office Supplies					
Books & Journals					
Minor Office Equipment					
Non-Capital Assets					
<b>Total Services &amp; Supplies Expenditures</b>			\$451,000	\$451,000	
<b>Capital Expenditures</b>					
Office Equipment					
Computer & Network Equipment					
Motorized Equipment					
Lab & Monitoring Equipment					
Communications Equipment					
General Equipment					
<b>Total Capital Expenditures</b>					
<b>Transfers Out</b>			\$397,832		
<b>Total Expenditures</b>			\$1,732,902	\$1,732,902	
<b>Program Distributions</b>			\$45,000,000	\$45,000,000	
<b>Total Expenditures Including Program Distributions</b>			\$46,732,902	\$46,732,902	

**TABLE XI  
GENERAL FUND EXPENDITURES BY DIVISION**

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Executive Office</b>					
Executive	\$4,361,958	\$4,826,228	\$5,738,062	\$911,835	18.89%
Bay Area Regional Collaborative (BARC)	\$253,753	\$255,000	\$255,000		
Board of Directors	\$255,541	\$303,708	\$373,326	\$69,618	22.92%
Hearing Board	\$41,858	\$89,316	\$78,501	(\$10,815)	(12.11%)
Advisory Council	\$20,617	\$35,150	\$432,096	\$396,947	1129.31%
My Air Online	\$3,338,630	\$3,154,548	\$3,558,076	\$403,528	12.79%
Website Development & Maintenance	\$985,190	\$1,383,031	\$1,430,078	\$53,048	3.84%
Finance/Accounting	\$2,840,685	\$2,064,453	\$2,159,493	\$95,040	4.60%
<b>Total Executive</b>	<b>\$12,098,232</b>	<b>\$12,111,433</b>	<b>\$14,030,633</b>	<b>\$1,919,200</b>	<b>15.85%</b>
<b>Administrative Resources</b>					
Payroll	\$221,911	\$374,661	\$284,042	(\$90,619)	(24.19%)
Benefit Administration	\$2,925,551	\$2,981,072	\$3,127,977	\$143,904	4.82%
Organizational Development	\$372,693	\$381,551	\$351,108	(\$30,443)	(7.98%)
Employment Relations	\$664,145	\$585,706	\$608,699	\$22,994	3.93%
Diversity Equity & Inclusion	\$207,628	\$866,231	\$852,186	(\$14,045)	(1.62%)
Recruitment & Testing	\$494,025	\$556,390	\$637,511	\$81,121	14.58%
Facilities	\$1,216,752	\$1,052,566	\$5,158,695	\$4,106,129	390.11%
Communications	\$710,348	\$1,036,013	\$922,624	(\$113,389)	(10.94%)
375 Beale Street	\$858,268	\$1,300,000	\$1,300,000		
Purchasing	\$735,012	\$1,001,657	\$1,008,424	\$6,767	0.68%
Shared Services	\$1,906,429	\$2,251,490	\$2,110,000	(\$141,490)	(6.28%)
Fleet Services	\$919,067	\$1,056,514	\$1,367,882	\$311,368	29.47%
<b>Total Administrative Resources</b>	<b>\$11,231,829</b>	<b>\$13,446,850</b>	<b>\$17,729,148</b>	<b>\$4,282,297</b>	<b>31.85%</b>
<b>Legal Services</b>					
Legal Counsel	\$1,659,834	\$1,981,708	\$2,038,167	\$56,459	2.85%
Hearing Board Proceedings	\$96,060	\$45,507	\$108,877	\$63,370	139.25%
Penalties Enforcement & Settlement	\$681,329	\$761,335	\$736,315	(\$25,019)	(3.29%)
Litigation	\$360,359	\$569,022	\$601,205	\$32,182	5.66%
<b>Total Legal</b>	<b>\$2,797,582</b>	<b>\$3,357,572</b>	<b>\$3,484,564</b>	<b>\$126,992</b>	<b>3.78%</b>
<b>Communications Office</b>					
Media Relations	\$1,329,030	\$1,584,565	\$1,466,912	(\$117,654)	(7.42%)
Intermittent Control Programs	\$1,012,196	\$1,445,903	\$1,497,345	\$51,443	3.56%
Spare the Air (CMAQ)	\$778,528	\$1,000,000	\$1,000,000		
<b>Total Communication &amp; Outreach</b>	<b>\$3,119,755</b>	<b>\$4,030,468</b>	<b>\$3,964,257</b>	<b>(\$66,211)</b>	<b>(1.64%)</b>
<b>Technology Implementation Office</b>					
Greenhouse Gas Technologies - Stationary	\$374,878	\$4,399,336	\$812,067	(\$3,587,269)	(81.54%)
<b>Total Technology Implementation</b>	<b>\$374,878</b>	<b>\$4,399,336</b>	<b>\$812,067</b>	<b>(\$3,587,269)</b>	
<b>Strategic Incentives</b>					
Carbon Offset Fund	\$2,896				
Grant Program Development	\$367,545	\$532,024	\$571,977	\$39,953	7.51%
<b>Total Strategic Incentives</b>	<b>\$370,441</b>	<b>\$532,024</b>	<b>\$571,977</b>	<b>\$39,953</b>	<b>7.51%</b>



Compliance & Enforcement					
Enforcement	\$4,084,059	\$4,969,371	\$4,985,460	\$16,088	0.32%
Compliance Assistance & Operations	\$2,777,484	\$2,990,164	\$3,422,079	\$431,915	14.44%
Compliance Assistance	\$6,481,111	\$7,737,974	\$7,384,063	(\$353,910)	(4.57%)
Total Compliance & Enforcement	\$13,342,653	\$15,697,509	\$15,791,602	\$94,093	0.60%
Engineering					
Permit Evaluation	\$5,135,288	\$6,907,583	\$7,865,319	\$957,736	13.86%
Permit Renewals	\$753,434	\$1,224,990		(\$1,224,990)	(100.00%)
Air Toxics	\$1,467,060	\$1,410,915	\$1,201,152	(\$209,762)	(14.87%)
Permit Operations	\$647,730	\$872,709	\$1,202,115	\$329,406	37.75%
Title V	\$785,564	\$1,628,956	\$1,495,237	(\$139,719)	(8.21%)
Engineering Special Projects	\$679,264	\$786,868	\$964,867	\$178,000	22.62%
Total Engineering	\$9,468,340	\$12,832,021	\$12,728,691	(\$103,330)	(0.81%)
Assessment Inventory & Model					
Source Inventories	\$889,202	\$1,275,640	\$1,409,475	\$133,835	10.49%
Air Quality Modeling Support	\$727,345	\$810,263	\$1,102,904	\$292,641	36.12%
Air Quality Modeling & Research	\$671,717	\$717,156	\$772,326	\$55,191	7.70%
Community Air Risk Evaluation (CARE)	\$705,921	\$1,073,663	\$1,029,603	(\$44,060)	(4.10%)
Total Assessment Inventory & Model	\$2,994,185	\$3,876,702	\$4,314,309	\$437,607	11.29%
Planning & Climate Protection					
Air Quality Plans	\$801,395	\$930,293	\$994,249	\$63,956	6.87%
Mobile Source Measures	\$977,133	\$1,191,856	\$1,117,537	(\$74,319)	(6.24%)
Climate Protection	\$1,818,722	\$2,060,582	\$2,139,791	\$79,208	3.84%
Total Planning & Climate Protection	\$3,597,250	\$4,182,732	\$4,251,577	\$68,845	1.65%
Community Engagement and Policy					
Community Health Protection	\$1,441,631	\$2,511,345	\$3,062,907	\$551,562	21.96%
Rule Development	\$1,663,447	\$1,988,094	\$2,116,701	\$128,607	6.47%
Total Community Engagement and Policy	\$3,105,078	\$4,499,439	\$5,179,608	\$680,169	15.12%
Information Services					
Information Management Records & Content	\$557,173	\$1,076,925	\$1,524,638	\$447,714	41.57%
Information Systems Software Development	\$1,233,377	\$1,658,829	\$1,815,030	\$156,201	9.42%
Information Technology Engineering & Operations	\$3,603,562	\$3,757,389	\$3,501,669	(\$255,720)	(6.81%)
Total Information Services	\$5,394,112	\$6,493,143	\$6,841,338	\$348,195	5.36%
Meteorology, Measurement & Rules					
Ambient Air Monitoring	\$4,294,339	\$7,301,961	\$7,520,704	\$218,743	3.00%
laboratory	\$1,348,941	\$1,204,612	\$2,103,092	\$898,479	74.59%
Source Test	\$2,216,940	\$3,291,981	\$2,999,569	(\$292,413)	(8.88%)
Meteorology	\$767,570	\$868,276	\$1,864,532	\$996,257	114.74%
Air Monitoring Instrument Performance Evaluation	\$581,145	\$603,618	\$620,159	\$16,542	2.74%
BioWatch Monitoring	\$1,212,934	\$1,323,775	\$1,349,776	\$26,001	1.96%
Infrastructure and Records Management	\$399,019	\$590,741	\$684,410	\$93,669	15.86%
Mobile Monitoring		\$28,834	\$22,400	(\$6,434)	
Total Meteorology, Measurement & Rules	\$10,820,888	\$15,213,799	\$17,164,643	\$1,950,844	12.82%
Vacancy Savings		(\$1,934,850)	(\$2,297,214)	(\$362,364)	18.73%
Other Financing Uses	\$441,732				100.00%
Program Distributions	\$1,919,719				
Transfer Out	\$1,110,780	\$412,830	\$47,631	(\$365,199)	(88.46%)
Total of All Divisions	\$82,187,464	\$99,151,007	\$104,614,832	\$5,463,825	5.51%

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

## CAPITAL EXPENDITURES

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

**TABLE XII  
CAPITAL EXPENDITURE SUMMARY**

The list below includes all capital expenditures budgeted for FYE 2020.

<u>Description</u>	<u>PGM</u>	<u>Capital Type</u>	<u>Amount</u>	<u>Program Total</u>	<u>Division Total</u>
1 One (1) Analytical Equipment Portable Air Quality Speciation Platforms	802	Lab & Monitoring	476,000		
2 One (1) Meteorological Towers and Equipment Upgrades	802	Lab & Monitoring	131,400		
3 One (1) Analytical Equipment for Mandatory PAMS Station	802	Lab & Monitoring	316,092		
4 One (1) Analytical equipment for fixed site monitoring network	802	Lab & Monitoring	272,292	1,195,784	
5 One (1) DI water generator	803	Lab & Monitoring	15,000		
6 Two (2) Laboratory Freezers	803	Lab & Monitoring	10,000		
7 Two (2) Laboratory Refrigerators	803	Lab & Monitoring	12,000		
8 Three (3) Laboratory Ovens	803	Lab & Monitoring	15,000		
9 Two (2) Canister Cleaners	803	Lab & Monitoring	40,000		
10 Two (2) Analytical balances	803	Lab & Monitoring	10,000		
11 One (1) Microbalance	803	Lab & Monitoring	25,000		
12 Two (2) Gas Chromatograph	803	Lab & Monitoring	120,000		
13 Two (2) Hydrogen Generator	803	Lab & Monitoring	20,000		
14 One (1) Gas Chromatography/Mass Spectrometer	803	Lab & Monitoring	170,000		
15 One (1) X-Ray Fluorescence Instrument	803	Lab & Monitoring	80,000	517,000	
16 Four (4) Source Test Analyzers	804	Lab & Monitoring	80,000		
17 Four (4) Automated Calibration Gas Dilution Manifolds	804	Lab & Monitoring	60,932		
18 Five (5) Automated Isokinetic Sampling Consoles	804	Lab & Monitoring	50,000		
19 One (1) Air Monitoring Instrumentation (auditing)	807	Lab & Monitoring	20,400	211,332	<u>1,924,116</u>
20 One (1) Linux Cluster Computer for modeling	603	Computer & Network	70,000	70,000	<u>70,000</u>
21 Richmond Facility Improvement	702	Building Improvement	4,000,000	4,000,000	<u>4,000,000</u>
22 Office Equipment for Recordkeeping	712	Office Equipment	60,000		
23 Computer and Equipment for Recordkeeping	712	Computer & Network Equipment	250,000	310,000	
24 Business Continuity Site	726	Building Improvement	75,000		
25 Capital Lease for Servers, Telecommunications & Hardware	726	Communications Equipment	400,000	475,000	<u>785,000</u>
26 Public Permitting & Compliance Systems	125	Computer & Network Equipment	2,625,000	2,625,000	<u>2,625,000</u>
<b>Total Capital Expenditures</b>					<b>9,404,116</b>

**TABLE XIII  
CAPITAL EXPENDITURES DETAIL**

	<u>Item Description</u>	<u>Cost</u>	<u>Program/ Capital Type</u>
1	<u>One (1) Analytical Equipment Portable Air Quality Speciation Platforms</u> Characterization for community level air quality for AB 617 and Reg 12-15 will require the ability to do precise speciation at a variety of locations within each community to better characterize air quality exposure and determine source apportionment. Some of these measurements will need to be taken over longer periods of time and will require multiple portable measurement systems.	\$476,000	802/Lab & Monitoring
2	<u>One (1) Meteorological Towers and Equipment Upgrades</u> The aging Meteorology network is in need of upgrades to allow for increased safety and efficiency of operation. These upgrades will necessitate the replacement of several of	\$131,400	802/Lab & Monitoring
3	<u>One (1) Analytical Equipment for Mandatory PAMS Station</u> Equipment needed for installation in federally mandated Photochemical Assessment	\$316,092	802/Lab & Monitoring
4	<u>One (1) Analytical equipment for fixed site monitoring network</u> Air quality analyzers to replace aging equipment in existing air monitoring sites	\$272,292	802/Lab & Monitoring
5	<u>One (1) DI water generator</u> One will replace the current de-ionized (DI) water generator which is necessary to provide water for several analyses and has exceeded its useful life.	\$15,000	803/Lab & Monitoring
6	<u>Two (2) Laboratory Freezers</u> for the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$10,000	803/Lab & Monitoring
7	<u>Two (2) Laboratory Refrigerators</u> for the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$12,000	803/Lab & Monitoring
8	<u>Three (3) Laboratory Ovens</u> for the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$15,000	803/Lab & Monitoring
9	<u>Two (2) Canister Cleaners</u> One will replace the current de-ionized (DI) water generator which is necessary to provide water for several analyses and has exceeded its useful life.	\$40,000	803/Lab & Monitoring
10	<u>Two (2) Analytical balances</u> For the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$10,000	803/Lab & Monitoring
11	<u>One (1) Microbalance</u> For the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$25,000	803/Lab & Monitoring
12	<u>Two (2) Gas Chromatograph</u> For the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$120,000	803/Lab & Monitoring
13	<u>Two (2) Hydrogen Generator</u> and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$20,000	803/Lab & Monitoring
14	<u>One (1) Gas Chromatography/Mass Spectrometer</u> For the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$170,000	803/Lab & Monitoring
15	<u>One (1) X-Ray Fluorescence Instrument</u> For the East Bay Annex. It will be used for regular analyses, incident response analyses, and as a backup for the primary instrument at 375 Beale in the event of an emergency that makes the Main Lab inaccessible.	\$80,000	803/Lab & Monitoring
16	<u>Four (4) Source Test Analyzers</u> Replacements for current equipment that reached the end of its useful life.	\$80,000	804/Motorized Equipment

**TABLE XIII  
CAPITAL EXPENDITURES DETAIL**

17	<u>Four (4) Automated Calibration Gas Dilution Manifolds</u>	\$60,932	804/Lab & Monitoring
	Automated calibration gas dilution systems for the source test vans to improve efficiency and prevent an increase in current calibration gas inventories while implementing enhanced QA/QC procedures.		
18	<u>Five (5) Automated Isokinetic Sampling Consoles</u>	\$50,000	804/Lab & Monitoring
	Computer controlled and automated isokinetic sampling console to improve source test efficiency, accuracy and QA/QC for particulate and air toxics sampling.		
19	<u>One (1) Air Monitoring Instrumentation (auditing)</u>	\$20,400	807/Lab & Monitoring
	Replacements for current equipment that reached the end of its useful life.		
20	<u>One (1) Linux Cluster Computer for modeling</u>	\$70,000	603/Computer & Network
	A new cluster computer to run the Weather Research and Forecasting (WRF) model to prepare meteorological inputs to the CMAQ model for regional PM2.5 and air toxics simulations to support AB617: community identification, assessing regional PM2.5 and air toxics levels at communities and estimating their background levels. It is also needed to run the AERMOD model for the community-scale PM2.5 and air toxics simulations.		
21	<u>Richmond Facility Improvement</u>	\$4,000,000	702/Building Improvement
	Office Building Improvement Cost for Richmond Building		
22	<u>Office Equipment for Recordkeeping</u>	\$60,000	712/Office Equipment
	Business Equipment for Recordkeeping System		
23	<u>Computer and Equipment for Recordkeeping</u>	\$250,000	712/Computer & Network Equipment
	Computer & Software Implementation Recordkeeping System		
24	<u>Business Continuity Site</u>	\$75,000	726/Building Improvement
	Business Continuity site IT for lakeview drive Richmond building		
25	<u>Capital Lease for Servers, Telecommunications &amp; Hardware</u>	\$400,000	726/Communications Equipment
	Lease payment on the District's Capital Lease for Computer, Networking & Telephony equipment		
26	<u>Public Permitting &amp; Compliance Systems</u>	\$2,625,000	125/Computer & Network Equipment
	Development and implementation of permitting and enforcement software functionality for medium and complex facilities, including data cleanup and consolidation activities.		
	<b>Total Capital Expenditures</b>	<b>\$9,404,116</b>	

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

**PROGRAM NARRATIVES AND EXPENDITURE DETAIL**  
**GENERAL FUND**

**NOTE: DEFINITIONS ARE PROVIDED ON PAGES 204-206**

**AND ARE AN INTEGRAL PART OF THIS BUDGET DOCUMENT.**

## EXECUTIVE OFFICE DIVISION

Under the leadership and direction of the Executive Officer/APCO and the Board of Directors, the Executive Office guides the Bay Area Air Quality Management District (Air District) in meeting its mission of protecting and improving public health, air quality, and the global climate. To fulfill this mission, the Air District builds its programs and policies on sound science, develops them with technical expertise and rigor, and executes them with quality. Air District programs and policies include both traditional air quality management approaches and new strategies for achieving clean air.

In FYE 2020, the Air District will continue to implement State and Federal regulations and directives, and will also continue to implement and develop the following key initiatives:

- Clean Air Plan Implementation
- Climate Action Work Program
- Assembly Bill (AB) 617 Implementation
- Wildfire Air Quality Response Program
- Diesel Free by '33 Campaign
- Technology Implementation Office
- Wood Smoke Program and Rule Amendments
- My Air Online Program
- Clean Air Foundation
- Spare the Air Everyday Campaign
- Public Participation Plan Implementation
- Diversity, Equity, and Inclusion Office
- Finance Office

The Executive Office is responsible for developing and maintaining strategic partnerships to achieve clean air. These partnerships include but are not limited to collaboration with: community groups, non-profits, peer regional agencies (Metropolitan Transportation Commission, Association of Bay Area Governments & Bay Conservation and Development Commission), regulatory agencies (U.S. Environmental Protection Agency and California Air Resources Board), and associations (California Air Pollution Control Officers Association, Air and Waste Management Association & National Association of Clean Air Agencies), as well as the State Legislature. In FYE 2020, these key partnerships will also address regional coordination of climate protection activities, and implementation of State initiatives such as SB1339, SB375, and AB32 at the regional level.



<b>Executive Office</b>	<b>104</b>
<b>Managing Division:</b> Executive	
<b>Contact Person:</b> Maricela Martinez	
<b>Program Purpose:</b> Administration and Direction of Air District Programs.	
<b>Description of Program:</b> This budget program is responsible for providing overall administration and direction to Air District staff. Through this budget program, the Executive Officer/APCO interprets and oversees implementation of Board directives and policies and administers the business of the Air District.	
<b>Justification of Change Request:</b>	
<b>Activities</b>	
Implement and develop key initiatives to meet Air District goals and objectives.	
Coordinate development of Air District's legislative agenda and implement strategy for achieving Air District's legislative goals.	
Coordinate Air District activities with staff, stakeholders, and community groups.	
Work with Air District Counsel to keep current on all notice of violation settlements.	
Monitor actions of and serve as liaison to regional governmental agencies (e.g. MTC, ABAG, BCDC), federal and statewide governmental organizations (e.g. U.S. EPA, CARB, CAPCOA), as well as the state legislature, and representatives of the regulated community.	
Compliance and enforcement actions.	
Administer and manage the Bay Area Clean Air Foundation.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Rule Development and Amendments	Ongoing
Issue all non-Title V permits on a timely basis (within a 45 day period)	Ongoing
Production System Implementation	Ongoing
Clean Air Plan Implementation	Ongoing
Assembly Bill (AB) 617 Implementation	Ongoing
Public Participation Plan Implementation	Ongoing
Adopt District Budget for FYE 2021	Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		13.40	13.86	16.33	2.47	17.79%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$2,380,782	\$2,176,144	\$2,648,451	\$472,307	21.70%
Overtime Salaries	51150	\$15,753				
Temporary Salaries	51200	\$87,167				
Payroll Taxes	51300	\$36,663	\$31,250	\$38,052	\$6,801	21.76%
Pension Benefits	51400	\$361,660	\$424,742	\$567,397	\$142,650	33.58%
FICA Replacement Benefits	51500	\$26,121	\$24,373	\$28,643	\$4,270	17.52%
Group Insurance Benefits	51600	\$368,754	\$213,258	\$296,578	\$83,320	39.07%
Employee Transportation Subsidy	51700	\$28,474	\$10,249	\$22,888	\$12,639	123.33%
Workers' Compensation	51800	\$7,194	\$8,032	\$9,274	\$1,242	15.47%
Other Post-Employment Benefits	51850	\$247,572	\$139,680	\$161,284	\$21,604	15.47%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$3,560,140	\$3,027,728	\$3,772,562	\$744,835	24.60%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$31,752	\$20,000	\$21,000	\$1,000	5.00%
Travel Out-Of-State	52225	\$32,865	\$0,001	\$45,000	(\$5,001)	(10.00%)
Training & Education	52300	\$61,496	\$20,500	\$30,500	\$10,000	48.78%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$63,701	\$5,000	\$5,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$3,977	\$1,500	\$2,500	\$1,000	66.67%
Equipment Rental	53100					
Rents & Leases	53200			\$100,000	\$100,000	
Professional Services & Contracts	53300	\$767,034	\$1,700,000	\$1,760,000	\$60,000	3.53%
General Insurance	53400					
Shop & Field Supplies	53500	\$18				
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900	\$4,971	\$1,000	\$1,000		
Books & Journals	54100	\$870	\$500	\$500		
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$966,682	\$1,798,501	\$1,965,500	\$166,999	9.29%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfers Out</b>	70005	(\$164,864)				
<b>Total Expenditures</b>		\$4,361,958	\$4,826,229	\$5,738,062	\$911,834	18.89%

<b>Bay Area Regional Collaborative (BARC)</b>		<b>105</b>
<b>Managing Division:</b> Executive		
<b>Contact Person:</b> Greg Nudd		
<b>Program Purpose:</b> The Bay Area Regional Collaborative (BARC) is a consortium of Board/Commission representatives from the Bay Area Air Quality Management District, Metropolitan Transportation Commission, Association of Bay Area Governments, and Bay Conservation and Development Commission. The BARC addresses cross-cutting issues of regional significance through collaboration and coordination.		
<b>Description of Program:</b> The BARC has selected Climate Change as the primary focus of its work. The four regional agencies work together to create coordinated policies, increase efficiencies, leverage resources, and provide better services to local governments that are grappling with climate mitigation and adaptation issues. This program includes Air District financial support for the BARC's assistance to coordinate the Bay Area Clean Air Plan and Regional Climate Action Strategy with the climate policies and programs of the other regional agencies.		
<b>Justification of Change Request:</b> Air District funding support for the BARC was included in the Executive Office Program 104 budget and Planning Division Climate Program 608 budget in past fiscal years. Air District funding support for the BARC has been consolidated into this Program budget for FYE 2020.		
<b>Activities</b>		
Provide support for the BARC Executive Director and Program Associate to implement the BARC work plan		
Provide support for limited professional services as needed for the BARC work plan		
Participate in BARC meetings, Executive Director meetings, and cross-agency staff teams		
Coordinate with BARC and member agency staff on climate change issues		
<b>Major Objectives</b>		<b>Delivery Date</b>
Work with BARC and member agency staff to coordinate implementation of the Clean Air Plan/Regional Climate Action Strategy and the Sustainable Communities Strategy		Ongoing
Work with BARC and member agency staff to integrate the Air District's Planning Healthy Places guidance into the Sustainable Communities Strategy		Ongoing
Work with BARC and member agency staff to coordinate technical assistance to cities and counties regarding climate action plans		Ongoing

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>					
<b>Personnel Expenditures</b>					
Permanent Salaries	51105				
Overtime Salaries	51150				
Temporary Salaries	51200				
Payroll Taxes	51300				
Pension Benefits	51400				
FICA Replacement Benefits	51500				
Group Insurance Benefits	51600				
Employee Transportation Subsidy	51700				
Workers' Compensation	51800				
Other Post-Employment Benefits	51850				
Board Stipends	51900				
<b>Total Personnel Expenditures</b>					
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200				
Travel Out-Of-State	52225				
Training & Education	52300				
Repair & Maintenance (Equipment)	52400				
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300	\$253,753	\$255,000	\$255,000	
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54600				
<b>Total Services &amp; Supplies Expenditures</b>		\$253,753	\$255,000	\$255,000	
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer In/Out</b>	70005				
<b>Total Expenditures</b>	\$253,753	\$255,000	\$255,000		

<b>Office of Diversity, Equity &amp; Inclusion</b>		<b>113</b>
<b>Managing Division:</b>		
Executive		
<b>Contact Person:</b>		
Mary Ann Okpalaugo		
<b>Program Purpose:</b>		
Reflects the Air District's leadership and commitment to diversity, equity and inclusion within the agency and the Bay Area.		
<b>Description of Program:</b>		
Office of Diversity, Equity and Inclusion (DE&I) - The Air District's Office of DE&I is responsible for developing and integrating principles, practices and strategies for diversity, equity, and inclusion. DE&I will be part of the Executive Office and will focus on reviewing Air District programs, policies, procedures, initiatives and funding to ensure that the vital work of bringing a clear equity lens to the Air District's mission of "protecting public health, air quality and the global climate" is achieved.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Facilitate Strategy Initiatives: Communication, Education and Awareness; Employment Practices and Recruiting; Empowerment; Mentorship Program Development; Community Outreach and Brand Awareness		
Work to Drive Diversity and Inclusion Initiatives within Air District at all levels and Programs in the Air District		
Leverage Workforce Diversity and Empower Diverse Perspectives throughout Training & Leadership Development		
Establish Practices that Promote Inclusive Voices to Shift Leadership Pipeline		
Oversee internal Government Alliance on Race & Equity 2019 Learning and Implementation Cohorts		
<b>Major Objectives</b>		<b>Delivery Date</b>
Partner with Human Resources to determine current initiatives and develop long term strategies to Build Diversity and Inclusion into the Talent Life Cycle to Enhance Employee Engagement and Empower all Voices to Seek Leadership Roles		Ongoing
Develop Strategy to Expand Diversity and Inclusion to Recruiting and Promotional Opportunities to Build Pipeline		Ongoing
Development of Comprehensive Diversity, Equity, and Inclusion Training Program		December 2019
Cultivate a Collaborative, Productive and Inclusive Work Environment that Leverages Diversity and Where Employees Feel Valued - Skill Building Around Conversations and Bias		Ongoing
Oversee the Local and Regional Government Alliance on Racial Equity Program 2019 Learning and Implementation Cohorts		December 2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.36	2.00	1.87	(0.13)	(6.50%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$116,379	\$258,177	\$245,622	(\$12,555)	(4.86%)
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$1,780	\$3,700	\$3,521	(\$178)	(4.82%)
Pension Benefits	51400	\$8,077	\$51,372	\$54,425	\$3,052	5.94%
FICA Replacement Benefits	51500	\$1,228	\$3,516	\$7,280	(\$236)	(6.72%)
Group Insurance Benefits	51600	\$17,314	\$48,322	\$36,786	(\$11,536)	(23.87%)
Employee Transportation Subsidy	51700	\$1,477	\$2,234	\$2,621	\$387	17.31%
Workers' Compensation	51800	\$352	\$1,159	\$1,062	(\$97)	(8.35%)
Other Post-Employment Benefits	51850	\$12,102	\$20,151	\$18,469	(\$1,682)	(8.35%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$158,709	\$288,631	\$365,786	(\$22,845)	(5.88%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$202	\$4,700	\$6,200	\$1,500	31.91%
Travel Out-Of-State	52225	\$2,010	\$7,900	\$8,200	\$300	3.80%
Training & Education	52300	\$6,005	\$60,000	\$65,000	\$5,000	8.33%
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$2,785	\$5,000	\$6,000	\$1,000	20.00%
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$37,612	\$400,000	\$400,000		
General Insurance	53400					
Shop & Field Supplies	53500	\$303		\$500	\$500	
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900			\$500	\$500	
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$48,919	\$477,600	\$486,400	\$8,800	1.84%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer In/Out</b>	70005					
<b>Total Expenditures</b>		\$207,628	\$866,231	\$852,186	(\$14,045)	(1.62%)

<b>Board of Directors</b>		<b>121</b>
<b>Managing Division:</b> Executive		
<b>Contact Person:</b> Vanessa Johnson		
<b>Program Purpose:</b> Oversee Activities of the Board of Directors.		
<b>Description of Program:</b> Administration of activities of the Board of Directors.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Prepare and distribute all meeting materials, including agendas, minutes and correspondence for Board of Directors regular and special meetings, approximately 20 per year.		
Prepare all logistics for Board of Directors regular and special meetings, including scheduling, polling, providing refreshments, preparation of facilities, and legal noticing requirements, approximately 20 per year.		
Prepare and distribute all agenda materials and logistics for Board of Directors Committee meetings, approximately 20 per year.		
Receive, route, and appropriately address all correspondence directed to the Board.		
Track, process and issue monthly travel reimbursement and per diem payments for each member of the Board of Directors.		
Prepare all travel logistics for Board of Directors participation at the Annual Air & Waste Management Association (A&WMA) Conference.		
Maintain archive of Board materials, including minutes, agendas, correspondence and adopted resolutions.		
Maintain the Air District's website as it relates to the Board of Directors membership, calendar, meeting materials and minutes.		
Assure timely filing of Statement of Economic Interests with the California Fair Political Practices Commission.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Coordinate all Board and Committee meetings.		Ongoing
Coordinate Board Ethics Training and Unconscious Bias Training.		Ongoing
Coordinate New Board Member Orientation.		Ongoing
Coordinate transition to new Chair of the Board of Directors.		January 2020
Coordinate Board of Directors Annual Retreat.		January 2020
Update of Board Committee assignments.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.96	0.97	1.44	0.47	49.13%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$104,654	\$104,520	\$154,663	\$50,143	47.97%
Overtime Salaries	51150	\$952				
Temporary Salaries	51200					
Payroll Taxes	51300	\$1,613	\$1,494	\$2,212	\$717	48.00%
Pension Benefits	51400	\$15,156	\$19,571	\$31,714	\$12,143	62.05%
FICA Replacement Benefits	51500	\$1,150	\$1,722	\$2,526	\$804	46.65%
Group Insurance Benefits	51600	\$16,188	\$14,484	\$24,153	\$9,670	66.76%
Employee Transportation Subsidy	51700	\$1,843	\$1,628	\$2,018	\$390	23.97%
Workers' Compensation	51800	\$316	\$559	\$818	\$258	46.18%
Other Post-Employment Benefits	51850	\$10,883	\$9,729	\$14,222	\$4,493	46.18%
Board Stipends	51900	\$58,100	\$60,000	\$60,000		
<b>Total Personnel Expenditures</b>		\$210,855	\$713,708	\$292,326	\$78,618	36.79%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$20,499	\$14,000	\$14,000		
Travel Out-Of-State	52225	\$6,686	\$20,000	\$16,000	(\$4,000)	(20.00%)
Training & Education	52300	\$14,448	\$26,000	\$30,000	\$4,000	15.38%
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$3,053	\$30,000	\$21,000	(\$9,000)	(30.00%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$44,686	\$90,000	\$81,000	(\$9,000)	(10.00%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfers Out</b>	70005					
<b>Total Expenditures</b>		\$255,541	\$303,709	\$373,326	\$69,617	22.92%



<b>HEARING BOARD</b>		<b>122</b>
<b>Managing Division:</b> Executive		
<b>Contact Person:</b> Vanessa Johnson		
<b>Program Purpose:</b> Records, documents, and maintains records of actions of the quasi-judicial Hearing Board.		
<b>Description of Program:</b> The Hearing Board is a quasi-judicial body that rules on particular cases that affect only individual facilities. It is authorized to hear requests for variance relief, permit revocation, abatement orders, and appeals by permit applicants, or by interested third parties, concerning the issuance or denial of permits.		
<b>Justification of Change Request:</b> None.		
<b>ACTIVITIES</b>		
Prepare logistics for all Hearing Board meetings, including scheduling, polling, providing refreshments, preparation of facilities, and legal noticing requirements.		
Develop and maintain Hearing Board calendar and schedules.		
Attend all hearings of the Hearing Board.		
Draft selected Orders for Hearing Board review and signature.		
Print and reproduce Hearing Board notices.		
Maintain Record of Actions (Docket Book).		
Prepare and maintain docket files for each hearing.		
Collect required fees from Applicants.		
Follow-up on actions resulting from Hearing Board Orders/decisions.		
Process incoming documents and inquiries.		
Make arrangements for all off-site hearings.		
Research, compile and prepare reports for presentation to the Board of Directors and others as requested by the Hearing Board.		
Arrange for Hearing Board members attendance at Hearing Board Conferences and CARB Trainings.		
Track, process and issue monthly travel reimbursement and per diem payments for each member of the Hearing Board.		
Archive Hearing Board Dockets and related documents.		
Maintain the Air District's website as it pertains to the Hearing Board membership, calendar, and decisions/orders.		
Coordinate recruitment and orientation of new Hearing Board members as necessary.		
<b>MAJOR OBJECTIVES</b>		<b>Delivery Date</b>
Coordinate Hearing Board Activities		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.24	0.29	0.24	(0.05)	(17.30%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$21,822	\$28,103	\$25,123	(\$2,980)	(10.60%)
Overtime Salaries	51150	\$443				
Temporary Salaries	51200					
Payroll Taxes	51300	\$334	\$401	\$359	(\$42)	(10.47%)
Pension Benefits	51400	\$3,486	\$5,115	\$5,052	(\$63)	(1.23%)
FICA Replacement Benefits	51500	\$240	\$521	\$421	(\$100)	(19.24%)
Group Insurance Benefits	51600	\$3,397	\$3,442	\$3,203	(\$239)	(6.94%)
Employee Transportation Subsidy	51700	\$252	\$641	\$336	(\$305)	(47.56%)
Workers' Compensation	51800	\$66	\$168	\$136	(\$32)	(18.93%)
Other Post-Employment Benefits	51850	\$2,269	\$2,924	\$2,370	(\$554)	(18.93%)
Board Stipends	51900	\$7,400	\$32,000	\$32,000		
<b>Total Personnel Expenditures</b>		\$39,709	\$73,316	\$69,001	(\$4,315)	(5.89%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$575	\$1,000	\$1,000		
Travel Out-Of-State	52225					
Training & Education	52300	\$542	\$2,000	\$1,000	(\$1,000)	(50.00%)
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900		\$2,000	\$1,500	(\$500)	(25.00%)
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$1,032	\$10,000	\$5,000	(\$5,000)	(50.00%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900		\$250	\$250		
Books & Journals	54100		\$500	\$500		
Minor Office Equipment	54200		\$250	\$250		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$2,149	\$16,000	\$9,500	(\$6,500)	(40.63%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfers Out</b>	70005					
<b>Total Expenditures</b>		\$41,858	\$89,316	\$78,501	(\$10,815)	(12.11%)

<b>Advisory Council</b>		<b>123</b>
<b>Managing Division:</b> Executive		
<b>Contact Person:</b> Vanessa Johnson		
<b>Program Purpose:</b> The Advisory Council studies and makes recommendations on specific matters referred from the Board of Directors or the Air Pollution Control Officer. Matters can include technical, social, economic and environmental aspects of air quality issues.		
<b>Description of Program:</b> The Advisory Council is comprised of 7 members, appointed by the Board of Directors. SB1415 requires that the Advisory Council members be skilled and experienced in the fields of air pollution, climate change, or the health impacts of air pollution. The Council advises and consults with the Board of Directors and Executive Officer, and makes recommendations and reports on matters that affect both policy and the legislative agenda. The Council will meet approximately (4) times per year. The meeting may include presentations by speakers who are experts in a specific topic. Presentations, materials and recommendations received are discussed and a report is prepared for the Board of Directors.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Prepare and distribute all meeting materials, including agendas and minutes for Advisory Council regular and special meetings, approximately 4 per year.		
Prepare logistics for all Advisory Council regular and special meetings, including scheduling, polling, providing refreshments, preparation of facilities, providing stenographer, and legal noticing requirements, approximately 4 per year.		
Make travel, registration and payment arrangements Advisory Council participation at the annual Air and Waste Management Association Conference.		
Maintain archive of Advisory Council materials, including minutes, agendas, and presentations.		
Maintain the District's website as it relates to the Advisory Council membership, calendar, meeting materials and minutes.		
Attend all regular and Committee meetings of the Advisory Council.		
Track, process and issue quarterly travel reimbursement for each member of the Advisory Council.		
Coordinate recruitment of new Advisory Council members as necessary.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Coordinate activities of the Advisory Council.		Ongoing
Conduct approximately four (4) meetings, based on the topics selected by the Board of Directors and Executive Officer.		Ongoing
Discuss the presentations, materials and recommendations received at the meetings, and prepare and present a report to the Board of Directors.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.05	0.01	0.06	0.05	500.00%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$5,400	\$443	\$6,147	\$5,704	1286.19%
Overtime Salaries	51150	\$36				
Temporary Salaries	51200					
Payroll Taxes	51300	\$83	\$6	\$88	\$82	1287.42%
Pension Benefits	51400	\$1,168	\$80	\$1,245	\$1,164	1451.28%
FICA Replacement Benefits	51500	\$53	\$8	\$105	\$97	1196.78%
Group Insurance Benefits	51600	\$746	\$53	\$301	\$747	1399.38%
Employee Transportation Subsidy	51700	\$56	\$10	\$84	\$74	736.47%
Workers' Compensation	51800	\$16	\$3	\$34	\$31	1207.00%
Other Post-Employment Benefits	51850	\$562	\$45	\$593	\$547	1207.00%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$8,120	\$650	\$9,096	\$8,447	1300.43%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,021	\$7,500	\$4,000	(\$3,500)	(46.67%)
Travel Out-Of-State	52225	\$2,782	\$11,000	\$11,000		
Training & Education	52300	\$2,273	\$5,000	\$2,000	(\$3,000)	(60.00%)
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900		\$3,000	\$1,000	(\$2,000)	(66.67%)
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$6,322	\$8,000	\$405,000	\$397,000	4962.50%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$12,498	\$34,500	\$423,000	\$388,500	1126.09%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer In/Out</b>	70005					
<b>Total Expenditures</b>		\$20,617	\$35,150	\$432,096	\$396,947	1129.31%

<b>My Air Online</b>		<b>125</b>
<b>Managing Division:</b> Information Services		
<b>Contact Person:</b> Blair L Adams		
<b>Program Purpose:</b> This program provides design, development, implementation and business systems support for the District's online transactions.		
<b>Description of Program:</b> This program is responsible for software development and implementation of online enterprise software systems for the District. These include public websites as well as online systems supporting permitting, compliance, incentives and presentation of data to the public.		
<b>Justification of Change Request:</b> None.		
<b>Activities</b>		
Permitting and compliance development and implementation.		
Public facing data system development and implementation.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Design and implementation of public facing data system.		Daily
Support Databank and IRIS data transfer to the permitting and compliance systems.		Daily
Implementation of software development lifecycle standards		Daily

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		2.73	2.00	3.04	1.04	52.00%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$454,726	\$261,442	\$460,145	\$198,703	76.00%
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$6,932	\$3,747	\$6,607	\$2,860	76.33%
Pension Benefits	51400	\$79,671	\$52,027	\$93,106	\$41,079	78.96%
FICA Replacement Benefits	51500	\$4,627	\$3,426	\$5,332	\$1,907	55.66%
Group Insurance Benefits	51600	\$65,081	\$37,725	\$60,374	\$23,149	61.36%
Employee Transportation Subsidy	51700	\$4,841	\$3,884	\$4,261	\$377	9.71%
Workers' Compensation	51800	\$1,374	\$1,159	\$1,726	\$568	49.00%
Other Post-Employment Benefits	51850	\$47,286	\$20,151	\$30,025	\$9,874	49.00%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$664,538	\$283,561	\$662,076	\$278,515	72.61%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$5,000	\$5,000		
Travel Out-Of-State	52225					
Training & Education	52300	\$6,740	\$15,000	\$15,000		
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$596				
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900		\$1,000	\$1,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$38,904	\$150,000	\$150,000		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$24,843	\$100,000	\$100,000		
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$71,083	\$271,000	\$271,000		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115	\$2,603,009	\$2,500,000	\$2,625,000	\$125,000	5.00%
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$2,603,009	\$2,500,000	\$2,625,000	\$125,000	5.00%
<b>Transfer In/Out</b>	70005					
<b>Total Expenditures</b>		\$3,338,630	\$3,154,561	\$3,558,076	\$403,515	12.79%

<b>Website Development and Maintenance</b>		<b>309</b>
<b>Managing Division:</b> Information Services		
<b>Contact Person:</b> Blair L Adams		
<b>Program Purpose:</b> The Air District Websites support and maintain the agency's web presence to provide the public with information about air quality, including health alerts and real-time air quality data, plans and technical information, as well as access to registrations, permits, regulations and other information for business and industry constituents.		
<b>Description of Program:</b> Development, support, and maintenance of the Air District's web content management system (Sitecore) and websites, including BAAQMD.gov and SparetheAir.org.		
<b>Justification of Change Request:</b> The Air District will endeavor to further develop main and tertiary website components, minimize operational support by modernizing data management practices, and allow for greater public accessibility in order to continue to support Air District Initiatives.		
<b>Activities</b>		
Provide support for ongoing multilingual translation of main website and expand to tertiary websites		
Provide support for content editing and auditing of main website and tertiary websites		
Provide support for Spare the Air website to a new website		
Provide assistance, support, and training to Division site Editors and Approvers		
Develop, test, and implement new features and site components		
Site and system maintenance (upgrades, bug fixes, issue resolution, and general upkeep)		
Develop training materials and documentation for Site Editor and Approver tasks		
Ensure compliance with legal requirements (Web Content Accessibility (508), Privacy Policy, Terms of Use, etc.)		
Process Web statistics and system logs		
Maintain tools (such as widgets & RSS) for use by visitors and on general public websites		
Maintain legacy systems as needed		
Maintain the web content management system (SiteCore) and Air District Websites		
Maintain and manage the hosted environment of related web servers		
<b>Major Objectives</b>		<b>Delivery Date</b>
Continuously implement a content strategy and editor guidelines to improve and prioritize content		Ongoing
Continuously improve BAAQMD.gov and SparetheAir.org user experience and information architecture		Ongoing
Maintain and enhance mobile compatible designs and increase access across a broad range of devices for BAAQMD.gov and tertiary websites		Ongoing
Maintain and enhance interactive elements, functionality, and features on BAAQMD.gov and tertiary websites to increase visitor engagement		Ongoing
Address adjustments and enhancements that are requested by the public on all websites		Ongoing
Maintain and enhance accessibility to be fully compliant with ADA requirements as is legally mandated for BAAQMD.gov and tertiary websites		Ongoing
Maintain and enhance multilingual services online for BAAQMD.gov and tertiary websites, while developing a strategy for ongoing translation needs		Ongoing
Maintain and enhance community specific pages that use tagging to provide the most relevant information across multiple sections of the websites		Ongoing
Maintain and enhance the events calendar		Ongoing
Maintain and enhance site search		Ongoing
Continue to develop Site Editor Education and Training Materials		Ongoing

**Website Development & Maintenance**

**309**

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.85	2.00	1.84	(0.16)	(8.00%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$232,939	\$251,521	\$250,653	(\$867)	(0.34%)
Overtime Salaries	51150	\$1,303				
Temporary Salaries	51200					
Payroll Taxes	51300	\$3,589	\$3,603	\$3,595	(\$8)	(0.23%)
Pension Benefits	51400	\$30,036	\$48,196	\$53,516	\$5,319	11.04%
FICA Replacement Benefits	51500	\$2,550	\$3,516	\$3,227	(\$289)	(8.21%)
Group Insurance Benefits	51600	\$35,930	\$37,821	\$35,710	(\$2,112)	(5.58%)
Employee Transportation Subsidy	51700	\$3,022	\$4,176	\$2,579	(\$1,597)	(38.25%)
Workers' Compensation	51800	\$704	\$1,159	\$1,045	(\$114)	(9.82%)
Other Post-Employment Benefits	51850	\$24,223	\$20,151	\$18,173	(\$1,978)	(9.82%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$334,294	\$370,144	\$368,497	(\$1,646)	(0.44%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300	\$760	\$6,000	\$6,000		
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$342	\$2,000	\$2,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$673,930	\$873,887	\$917,581	\$43,694	5.00%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$1,620	\$131,000	\$142,000	\$11,000	8.40%
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$676,653	\$1,012,887	\$1,067,581	\$54,694	5.40%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$25,758)				
<b>Total Expenditures</b>		\$985,190	\$1,383,031	\$1,436,078	\$53,048	3.84%



<b>Finance/Accounting</b>	<b>701</b>
<b>Managing Division:</b> Executive Office	
<b>Contact Person:</b> Stephanie Osaze	
<b>Program Purpose:</b> The Finance/Accounting Program is responsible for maintaining the fiscal stewardship and financial accountability of the District.	
<b>Description of Program:</b> This program includes receipt and disbursement of District funds, and associated accounting activities. Accounting staff ensure that all receipts and expenditures are consistent with the approved District budget. The program is also responsible for the fiscal maintenance of TFCA, MSIF, CMP, Goods Movement as well as Federal and State grant funding.	
<b>Justification of Change Request:</b>	
<b>Activities</b>	
Process receipts (checks/credit card payments) on a daily basis. (avg. 1,200 checks/mo).	
Process accounts receivable invoices.	
Process accounts payable invoices (avg. 450 general checks issued per month); record and monitor payments.	
Oversee cash flow to ensure fiscal solvency.	
Reconcile receipts and disbursements with District's Treasurer's Office Reports.	
Prepare quarterly comparison statements for the Budget and Finance Committee presentation.	
Prepare for the annual audit of the District's financial records.	
Prepare annual proposed budget book.	
Reconcile various grants and assist in preparation of reimbursement request reports.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Provide budget variance reports to Program Managers within 30 days of period end.	Monthly
Provide quarterly financial summary reports to Division Directors/Officers.	Quarterly
Complete Annual Financial Report.	Annually
Ensure timely payment of accounts payable.	Daily
Record timely processing of check and credit card receipts.	Daily
Analyze and implement new Budget Software.	December 2019
Develop a JDE User Manual for Finance Office	June 2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		9.93	9.87	9.95	0.08	0.78%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$936,488	\$1,021,839	\$1,039,109	\$17,270	1.69%
Overtime Salaries	51150	\$1,700				
Temporary Salaries	51200	\$3,928				
Payroll Taxes	51300	\$14,438	\$14,600	\$14,853	\$253	1.73%
Pension Benefits	51400	\$157,233	\$200,733	\$224,620	\$23,887	11.90%
FICA Replacement Benefits	51500	\$10,283	\$17,001	\$17,453	\$452	2.66%
Group Insurance Benefits	51600	\$145,130	\$189,403	\$188,790	(\$613)	(0.32%)
Employee Transportation Subsidy	51700	\$14,214	\$15,581	\$13,946	(\$1,635)	(10.50%)
Workers' Compensation	51800	\$2,830	\$5,720	\$5,651	(\$69)	(1.21%)
Other Post-Employment Benefits	51850	\$97,383	\$99,476	\$98,272	(\$1,204)	(1.21%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,383,628	\$1,564,353	\$1,602,693	\$38,340	2.45%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$2,710	\$3,000	\$3,000		
Travel Out-Of-State	52225	\$1,611	\$3,000	\$3,000		
Training & Education	52300	\$3,749	\$6,000	\$6,000		
Repair & Maintenance (Equipment)	52400		\$3,300	\$1,000	(\$2,300)	(69.70%)
Communications	52500	\$482	\$1,000	\$1,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$11,159	\$6,000	\$8,000	\$2,000	33.33%
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$417,847	\$469,000	\$526,000	\$57,000	12.15%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$315	\$2,000	\$2,000		
Stationery & Office Supplies	53900	\$405	\$3,000	\$3,000		
Books & Journals	54100		\$800	\$800		
Minor Office Equipment	54200		\$3,000	\$3,000		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$438,277	\$500,100	\$556,800	\$56,700	11.34%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115	\$1,112,645				
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$1,112,645				
<b>Transfer In/Out</b>	70005	(\$93,866)				
<b>Total Expenditures</b>		\$2,840,685	\$2,064,453	\$2,159,493	\$95,040	4.60%

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

## ADMINISTRATIVE RESOURCES DIVISION

The Administrative Resources Division provides administrative and operational support functions for the Air District, and is comprised of the Executive Operations Office, Business Office, Fleet and Facilities Office, Finance Office and the Human Resources Office.

The Executive Operations Office is responsible for providing overall administration and direction to Air District staff. Through this office, the Executive Officer/APCO interprets and oversees implementation of Board directives and policies and administers the business of the Air District.

The Business Office is responsible for contracts, purchasing, non-workers compensation risk management, and office support services.

The Fleet and Facilities Office is responsible for the acquisition and maintenance of the vehicle fleet, planning, maintenance and operations of Air District facilities, and general security/safety.

The Human Resources Office is responsible for personnel matters including payroll and benefits, labor and employee relations, recruitment and testing, processing personnel actions, employee performance appraisal and recognition programs, organizational development and training, health and safety compliance, workers compensation and special events coordination.

BUDGET AND FINANCE COMMITTEE  
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<b>Payroll</b>	<b>106</b>
<b>Managing Division:</b> Administrative Resources	
<b>Contact Person:</b> Judy Yu	
<b>Program Purpose:</b> Administer payroll for District employees and process benefit payments.	
<b>Description of Program:</b> They Payroll Program includes administering all aspects of the Air District's payroll, processing of insurance premium payments, sick leave, annual leave, disability payments, worker's compensation, and other related benefits dealing with payroll. Maintains and utilizes the current Ceridian payroll system. The budget has increased to reflect the increase in the Ceridian payroll system's fees.	
<b>Activities</b>	
Process biweekly payroll.	
Maintain time keeping system.	
Perform necessary data entry for payroll program with timekeeping system.	
Audit payroll records.	
Continue to monitor payroll software; review and make needed revisions to the payroll system.	
Process benefit premium payments for accuracy.	
Monitor vacation/leave records.	
Respond to employment verifications and other external request for payroll information.	
Generate payroll reports.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Administer and process biweekly payroll in an efficient and effective manner. Assists with problem solving on all aspects of payroll. Compliance with all payroll laws and requirements.	Bi-weekly
Implement conversion of new payroll and timekeeping system.	12/31/2019

BUDGET AND FINANCE COMMITTEE  
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		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.68	1.66	0.93	(0.73)	(43.99%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$79,332	\$171,001	\$104,057	(\$66,944)	(39.15%)
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$1,221	\$2,443	\$1,489	(\$954)	(39.06%)
Pension Benefits	51400	\$13,920	\$32,299	\$22,551	(\$9,748)	(30.18%)
FICA Replacement Benefits	51500	\$877	\$2,848	\$1,631	(\$1,217)	(42.72%)
Group Insurance Benefits	51600	\$12,370	\$28,335	\$20,297	(\$8,039)	(28.37%)
Employee Transportation Subsidy	51700	\$917	\$2,043	\$1,303	(\$740)	(36.20%)
Workers' Compensation	51800	\$240	\$962	\$528	(\$434)	(45.10%)
Other Post-Employment Benefits	51850	\$8,250	\$16,729	\$9,185	(\$7,544)	(45.10%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$117,126	\$256,861	\$161,042	(\$95,619)	(37.26%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225		\$1,400	\$1,400		
Training & Education	52300		\$1,600	\$1,600		
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$114,109	\$115,000	\$120,000	\$5,000	4.35%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$114,109	\$118,000	\$123,000	\$5,000	4.24%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$9,324)				
<b>Total Expenditures</b>		\$221,911	\$374,661	\$284,042	(\$90,619)	(24.19%)

Benefit Administration		107
<b>Managing Division:</b> Administrative Resources		
<b>Contact Person:</b> Judy Yu		
<b>Program Purpose:</b> Administer benefits, ergonomics and safety programs for District employees.		
<b>Description of Program:</b> The Benefits Administration Program includes the following District activities: employee and retiree benefits administration, employee benefits recordkeeping, workers' compensation, safety, ergonomics and special events.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Administer Policies and Procedures relating to benefits.		
Administer health, dental, and vision care insurance.		
Administer pension plan and retirement benefits.		
Administer life insurance and long-term disability insurance.		
Administer Dependent Care Assistance Plan and Medical Care Reimbursement Plan.		
Administer Workers Compensation Plan		
Administer Deferred Compensation Programs.		
Administer the Employee Assistance Program.		
Administer Cafeteria Plan.		
Administer COBRA.		
Process Human Resource Information system data.		
Administer transit/carpool subsidy.		
Provide orientation for new and separated employees.		
Coordinate Safety Committee activities and administer Cal/OSHA safety and training requirements.		
Provide adequate safety-related training.		
Administer requirements for respiratory fitness medical examinations.		
Conduct a variety of health and safety events.		
Coordinate Special Event Programs Including Employee Recognition Award program.		
Administer the ergonomics program and coordinate ergonomic assessments for staff.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Administer employee benefit programs.		6/30/2020
Develop and administer the emergency planning components of the District's Safety Program.		6/30/2020
Administer the ergonomic program.		6/30/2020
Provide management and employee consultation regarding benefits administration.		6/30/2020
Review and perform cost benefit analysis of existing benefit contracts and consider lower-cost alternatives to traditional insurance.		6/30/2020
Administer the Human Resources Information System.		6/30/2020
Provide for compliance with Human Resources laws and requirements applying to public employers.		6/30/2020
Provide benefit, safety, and ergonomics related training.		6/30/2020
Coordinate employee recognition program, all hands, and other special events		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.42	1.49	0.89	(0.60)	(40.07%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$120,951	\$168,709	\$91,908	(\$76,801)	(45.52%)
Overtime Salaries	51150	\$860				
Temporary Salaries	51200	\$56,791				
Payroll Taxes	51300	\$152,565	\$2,414	\$1,314	(\$1,100)	(45.58%)
Pension Benefits	51400	\$20,546	\$31,810	\$19,083	(\$12,726)	(40.01%)
FICA Replacement Benefits	51500	\$181,915	\$2,558	\$1,561	(\$997)	(38.98%)
Group Insurance Benefits	51600	\$2,430,023	\$2,529,724	\$2,772,568	\$242,843	9.60%
Employee Transportation Subsidy	51700	\$1,533	\$2,034	\$1,247	(\$787)	(38.68%)
Workers' Compensation	51800	\$32,037	\$860	\$505	(\$355)	(41.26%)
Other Post-Employment Benefits	51850	\$12,577	\$14,963	\$8,790	(\$6,173)	(41.26%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$3,009,797	\$2,753,072	\$2,896,977	\$143,904	5.23%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,952	\$2,600	\$2,600		
Travel Out-Of-State	52225			\$1,400	\$1,400	
Training & Education	52300	\$23,396	\$67,400	\$66,000	(\$1,400)	(2.08%)
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$106,297	\$126,000	\$126,000		
General Insurance	53400					
Shop & Field Supplies	53500	\$16,196	\$35,000	\$35,000		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$147,840	\$231,000	\$231,000		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$232,087)				
<b>Total Expenditures</b>		\$2,925,551	\$2,984,072	\$3,127,977	\$143,904	4.82%



Organizational Development		109
<b>Managing Division:</b> Administrative Resources		
<b>Contact Person:</b> Judy Yu		
<b>Program Purpose:</b> Provide appropriate workplace learning and organization development to increase organizational effectiveness and results through training and development activities. Administer wellness events and activities to increase the well-being of the staff.		
<b>Description of Program:</b> The District's training and development program includes career developmental training for all non-management employees; and career developmental training, skills enhancement, safety, knowledge transfer, and succession planning for supervisory and management employees. It includes analysis of needs assessments and implementation of workforce development activities as part of an overall strategy to retain a top performing and motivated workforce. The program also includes the administration and coordination of wellness activities and events.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Provide leadership development training as part of overall succession planning.		
Expand management/supervisory training.		
Provide support staff training.		
Provide labor relations training to management staff.		
Provide Ethics, Equal Opportunity, Diversity and Sexual Harassment prevention training.		
Provide coaching and development support to management and staff as needed.		
Administer Educational Reimbursement Program.		
Development of a specialized rotational job development program.		
Provide for targeted division-specific training as requested or needed.		
Provide and support District-wide training programs as requested or needed.		
Coordinate and implement the various wellness activities and events.		
Administer the performance evaluation program.		
<b>Major Objectives</b>		<b>Delivery Date</b>
To provide District Employees with appropriate training and development programs. To provide the District with a defined succession program involving appropriate staffing. To provide training, staffing, and development programs allowing flexibility in the changing needs and priorities of the Air District		6/30/2020
To provide compliance with Federal, State, and local laws which require training applicable to District programs, processes and activities.		6/30/2020
To administer and coordinate the wellness program.		6/30/2020
To develop and implement an online system to track performance evaluation.		6/30/2020
To develop and implement a mentorship and internship program.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.74	1.20	1.04	(0.16)	(13.33%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$112,099	\$132,311	\$110,205	(\$22,106)	(16.71%)
Overtime Salaries	51150	\$325				
Temporary Salaries	51200					
Payroll Taxes	51300	\$1,726	\$1,892	\$1,576	(\$317)	(16.73%)
Pension Benefits	51400	\$18,128	\$24,608	\$23,812	(\$796)	(3.23%)
FICA Replacement Benefits	51500	\$1,250	\$2,059	\$1,824	(\$235)	(11.42%)
Group Insurance Benefits	51600	\$17,614	\$26,155	\$16,372	(\$9,784)	(37.41%)
Employee Transportation Subsidy	51700	\$1,307	\$1,739	\$1,458	(\$282)	(16.19%)
Workers' Compensation	51800	\$339	\$695	\$591	(\$105)	(15.05%)
Other Post-Employment Benefits	51850	\$11,657	\$12,091	\$10,272	(\$1,819)	(15.05%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$164,444	\$201,551	\$166,108	(\$35,443)	(17.58%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,363	\$2,600	\$2,600		
Travel Out-Of-State	52225	\$148		\$1,400	\$1,400	
Training & Education	52300	\$219,294	\$177,000	\$181,000	\$4,000	2.26%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$475				
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300		\$200		(\$200)	(100.00%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900	\$60				
Books & Journals	54100		\$200		(\$200)	(100.00%)
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$221,340	\$180,000	\$185,000	\$5,000	2.78%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$13,091)				
<b>Total Expenditures</b>		\$372,693	\$381,551	\$351,108	(\$30,443)	(7.98%)

<b>Employment Relations</b>		<b>111</b>
<b>Managing Division:</b> Administrative Resources		
<b>Contact Person:</b> Judy Yu		
<b>Program Purpose:</b> Provide management and staff support in the area of employment relations.		
<b>Description of Program:</b> The Employment Relations Program includes the following District activities: classification and compensation, employee relations, labor relations, Equal Employment Opportunity (EEO) programs, personnel regulatory compliance, research and recordkeeping.		
<b>Justification of Change Request:</b> The budget has increased to reflect the increase in the employee relation activities.		
<b>Activities</b>		
Administer, interpret, and implement the Memorandum of Understanding (MOU) and Personnel Policies and Procedures of the Administrative Code.		
Provide management and staff consultation.		
Administer EEO Policy.		
Meet with Employee Association on appropriate subjects.		
Provide support of grievance/arbitration processes.		
Maintain accurate employment records.		
Provide discipline counseling.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Administer, interpret, implement and comply with the MOU and applicable laws, rules and regulations.		6/30/2020
Administer, interpret, implement and comply with the Personnel Policies and Procedures of the Administrative Code and applicable laws, rules and regulations.		6/30/2020
Administer, interpret, implement and comply with the District's Administrative Instructions.		6/30/2020
Administer the Equal Employment Opportunity policy.		6/30/2020
Continue positive relations with the Employees' Association.		6/30/2020
Ensure reliability of employment history and data.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>			1.72	1.49	(0.23)	(13.60%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$232,872	\$210,855	\$196,589	(\$14,266)	(6.77%)
Overtime Salaries	51150	\$644				
Temporary Salaries	51200	\$633				
Payroll Taxes	51300	\$3,586	\$3,020	\$2,819	(\$201)	(6.66%)
Pension Benefits	51400	\$35,858	\$41,888	\$43,024	\$1,135	2.71%
FICA Replacement Benefits	51500	\$2,516	\$3,014	\$2,614	(\$400)	(13.29%)
Group Insurance Benefits	51600	\$35,658	\$29,086	\$29,004	(\$82)	(0.28%)
Employee Transportation Subsidy	51700	\$2,639	\$2,468	\$2,088	(\$380)	(15.40%)
Workers' Compensation	51800	\$704	\$999	\$846	(\$153)	(15.30%)
Other Post-Employment Benefits	51850	\$24,216	\$17,375	\$14,716	(\$2,659)	(15.30%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$339,327	\$208,706	\$291,699	(\$17,006)	(5.51%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$155	\$6,000	\$6,000		
Travel Out-Of-State	52225					
Training & Education	52300	\$2,801	\$9,000	\$9,000		
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$248,700	\$261,000	\$301,000	\$40,000	15.33%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900		\$500	\$500		
Books & Journals	54100		\$500	\$500		
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$351,656	\$277,000	\$317,000	\$40,000	14.44%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$26,837)				
<b>Total Expenditures</b>		\$664,145	\$585,706	\$608,699	\$22,994	3.93%

<b>Recruitment &amp; Testing</b>	<b>114</b>
<b>Managing Division:</b> Administrative Resources	
<b>Contact Person:</b> Judy Yu	
<b>Program Purpose:</b> The Recruitment and Testing Program conducts recruitment, testing and outreach activities for external and internal candidates to fill vacant positions.	
<b>Description of Program:</b> This Recruitment and Testing Program includes costs associated with outreach and advertising for vacant positions, as well as costs for testing candidates, including retaining external panel members. Maintain equal opportunity recruitment policy and compliance with all laws, policies, and requirements.	
<b>Justification of Change Request:</b> None.	
<b>Activities</b>	
Online or hard copy advertising of vacant positions.	
Participation in job fairs and similar outreach activities.	
Travel to regional and out of state recruitment events and similar activities.	
Duplicating of recruitment materials.	
Special design services for recruiting materials.	
Professional services for specialized executive management recruitments.	
On-going applicant tracking system subscription and professional services fees.	
Conducting screenings of minimum qualifications, supplemental applications, and resumes.	
Coordinating panel interviews and hiring interviews.	
Performing background checks, reference checks, DMV checks and physical abilities checks.	
Utilization of resources for recruitment such as NeoGov	
<b>Major Objectives</b>	<b>Delivery Date</b>
Recruitment and testing conducted for "X" number of vacancies.	6/30/2020
"X" number of new external candidates hired.	6/30/2020
"X" number of internal candidates promoted.	6/30/2020
Compliance with all applicable recruitment policies, requirements and law.	6/30/2020
Maintain Air District's Equal Opportunity Policy for recruitment and testing.	6/30/2020
Implement online testing.	6/30/2020
Conduct regional, statewide and nationwide outreach.	6/30/2020

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>	2.74	2.56	3.10	0.54	21.19%
<b>Personnel Expenditures</b>					
Permanent Salaries	51105	\$280,597	\$281,477	\$329,488	\$48,011 17.06%
Overtime Salaries	51150				
Temporary Salaries	51200	\$23,626			
Payroll Taxes	51300	\$4,324	\$4,025	\$4,711	\$686 17.03%
Pension Benefits	51400	\$48,537	\$53,524	\$69,630	\$16,106 30.09%
FICA Replacement Benefits	51500	\$3,049	\$4,395	\$5,438	\$1,043 23.73%
Group Insurance Benefits	51600	\$43,032	\$50,067	\$57,822	\$7,755 15.49%
Employee Transportation Subsidy	51700	\$3,706	\$2,848	\$4,345	\$1,497 52.57%
Workers' Compensation	51800	\$848	\$1,482	\$1,760	\$279 18.80%
Other Post-Employment Benefits	51850	\$29,179	\$25,772	\$30,617	\$4,845 18.80%
Board Stipends	51900				
<b>Total Personnel Expenditures</b>		\$436,897	\$423,591	\$503,811	\$80,221 18.94%
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200	\$254			
Travel Out-Of-State	52225	\$1,293	\$2,800	\$2,700	(\$100) (3.57%)
Training & Education	52300	\$3,026		\$1,000	\$1,000
Repair & Maintenance (Equipment)	52400				
Communications	52500	\$34,629	\$50,000	\$50,000	
Building Maintenance	52600				
Utilities	52700				
Postage	52800	\$126			
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300	\$52,580	\$80,000	\$80,000	
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54600				
<b>Total Services &amp; Supplies Expenditures</b>		\$91,908	\$132,800	\$133,700	\$900 0.68%
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005	(\$34,780)			
<b>Total Expenditures</b>		\$494,025	\$556,390	\$637,511	\$81,121 14.58%

Facilities		702
<b>Managing Division:</b> Executive and Administrative Resources		
<b>Contact Person:</b> Maricela Martinez		
<b>Program Purpose:</b> Facilities Planning and Maintenance of existing facilities, equipment and supplies.		
<b>Description of Program:</b> The Facilities Office provides for the day to day operations of the Air District's office at 375 Beale Street and satellite offices. The development of safety protocols is ongoing, security, and maintenance of existing infrastructure and equipment is ongoing and includes satellite offices.		
<b>Justification of Change Request:</b> The budget increased to address capital improvement needs for the Air District's Richmond Office		
<b>Activities</b>		
Work with BAHA and consultants on facility related projects in reference to shared space and services at 375 Beale Street.		
Respond to emergency facility repair requests.		
Oversee general contractors for the construction of offices and cubicles. Procure furniture and reconfigure cubicle spaces. Oversee electricians and plumbers.		
Routine maintenance at offsite facilities: performing preventive and scheduled maintenance as well as maintenance performed in response to signs of wear and tear observed during planned maintenance activities.		
Conference room set-up and oversee security for Board meetings.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Work with BAHA and consultants on facility related projects in reference to shared space and services at 375 Beale Street.		Ongoing
Respond to emergency facility repair requests.		Ongoing
Oversee general contractors for the construction of offices and cubicles. Procure furniture and reconfigure cubicle spaces. Oversee electricians and plumbers.		Ongoing
Routine maintenance at offsite facilities: performing preventive and scheduled maintenance as well as maintenance performed in response to signs of wear and tear observed during planned maintenance activities.		Ongoing
Conference room set-up and oversee security for Board meetings.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.89	1.99	2.33	0.34	17.29%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$172,571	\$173,357	\$219,468	\$46,111	26.60%
Overtime Salaries	51150	\$7,882				
Temporary Salaries	51200	\$64,160				
Payroll Taxes	51300	\$2,621	\$2,470	\$3,132	\$662	26.80%
Pension Benefits	51400	\$36,159	\$34,299	\$47,137	\$12,838	37.43%
FICA Replacement Benefits	51500	\$1,827	\$3,403	\$4,087	\$684	20.11%
Group Insurance Benefits	51600	\$25,694	\$47,928	\$50,769	\$2,841	5.93%
Employee Transportation Subsidy	51700	\$1,904	\$1,942	\$3,266	\$1,324	68.17%
Workers' Compensation	51800	\$521	\$1,151	\$1,323	\$172	14.97%
Other Post-Employment Benefits	51850	\$17,945	\$20,016	\$23,012	\$2,996	14.97%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$331,284	\$284,563	\$352,195	\$67,629	23.77%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$416				
Travel Out-Of-State	52225					
Training & Education	52300	\$376				
Repair & Maintenance (Equipment)	52400	\$12,880	\$25,000	\$28,000	\$3,000	12.00%
Communications	52500	\$799				
Building Maintenance	52600	\$341,920	\$325,000	\$345,000	\$20,000	6.15%
Utilities	52700	\$18,529	\$65,000	\$67,000	\$2,000	3.08%
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200	\$157,807				
Professional Services & Contracts	53300	\$297,092	\$250,000	\$257,000	\$7,000	2.80%
General Insurance	53400					
Shop & Field Supplies	53500	\$3,800	\$3,000	\$3,500	\$500	16.67%
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$98				
Stationery & Office Supplies	53900	\$1,043				
Books & Journals	54100					
Minor Office Equipment	54200	\$66,581	\$100,000	\$106,000	\$6,000	6.00%
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$911,840	\$768,000	\$806,500	\$38,500	5.01%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105			\$4,000,000	\$4,000,000	
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>				\$4,000,000	\$4,000,000	
<b>Transfer Out</b>	70005	(\$26,372)				
<b>Total Expenditures</b>		\$1,216,752	\$1,052,566	\$5,158,695	\$4,106,129	390.11%



<b>Communications</b>	<b>703</b>
<b>Managing Division:</b> Executive and Administrative Resources	
<b>Contact Person:</b> Satnam Hundel	
<b>Program Purpose:</b> Maintenance of the day-to-day communication and reproduction operations of the Air District.	
<b>Description of Program:</b> The day-to-day administrative operations include: sorting and distribution of incoming and outgoing mail, and processing reproduction and subscription requests.	
<b>Justification of Change Request:</b> None.	
<b>Activities</b>	
Process incoming and outgoing mail.	
Maintain subscription service for Air District publications.	
Process reproduction requests, including document binding and package preparation.	
Prepare, reproduce and mail board packets, asbestos reports, permits, permit invoices, data update forms, and other materials as requested.	
Receive and deliver incoming packages and deliveries.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Process incoming and outgoing mail as well as packages.	Ongoing
Process reproduction requests.	Ongoing
Manage contracts, RFPs/RFQs, fleet services, business supplies, mailroom, and facilities operations.	Ongoing

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		2.56	2.04	2.67	0.63	31.20%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$190,833	\$120,765	\$201,971	\$81,205	67.24%
Overtime Salaries	51150	\$9,623				
Temporary Salaries	51200	\$46,942				
Payroll Taxes	51300	\$2,938	\$1,706	\$2,871	\$1,165	68.25%
Pension Benefits	51400	\$31,858	\$21,699	\$41,558	\$19,859	91.52%
FICA Replacement Benefits	51500	\$2,063	\$3,486	\$4,683	\$1,198	34.36%
Group Insurance Benefits	51600	\$29,182	\$33,546	\$39,912	\$6,366	18.98%
Employee Transportation Subsidy	51700	\$2,165	\$3,926	\$3,742	(\$184)	(4.68%)
Workers' Compensation	51800	\$577	\$1,179	\$1,516	\$337	28.61%
Other Post-Employment Benefits	51850	\$19,844	\$20,505	\$26,370	\$5,866	28.61%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$336,026	\$206,813	\$322,624	\$115,811	56.00%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300	\$237		\$2,000	\$2,000	
Repair & Maintenance (Equipment)	52400	\$7,074				
Communications	52500	\$174,442	\$220,000	\$235,000	\$15,000	6.82%
Building Maintenance	52600					
Utilities	52700					
Postage	52800	\$41,975	\$84,000	\$92,000	\$8,000	9.52%
Printing & Reproduction	52900		\$2,200		(\$2,200)	(100.00%)
Equipment Rental	53100	\$53,977	\$33,000	\$35,000	\$2,000	6.06%
Rents & Leases	53200					
Professional Services & Contracts	53300	\$121,367	\$490,000	\$236,000	(\$254,000)	(51.84%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$401,072	\$829,200	\$600,000	(\$229,200)	(27.64%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$26,750)				
<b>Total Expenditures</b>		\$710,348	\$1,036,013	\$922,624	(\$113,389)	(10.94%)

<b>375 Beale Street</b>		<b>707</b>
<b>Managing Division:</b> Executive and Administrative Resources		
<b>Contact Person:</b> Maricela Martinez		
<b>Program Purpose:</b> The cost associated with the Air District's office space located at 375 Beale Street.		
<b>Description of Program:</b> This program will pay for the lease payments associated the Air District's financing ownership interest of its portion of the new facility through the issuance of a private placement of Certificate of Participation Notes (COPS) with the Bay Area Housing Authority.		
<b>Justification of Change Request:</b> None.		
<b>Activities</b>		
Payment towards the Air District's financing obligation (COPS).		
<b>Major Objectives</b>		<b>Delivery Date</b>
Make monthly payments of \$100,000 towards the financing obligations for the FYE 2019/2020		Monthly

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>				-	
<b>Personnel Expenditures</b>					
Permanent Salaries	51105				
Overtime Salaries	51150				
Temporary Salaries	51200				
Payroll Taxes	51300				
Pension Benefits	51400				
FICA Replacement Benefits	51500				
Group Insurance Benefits	51600				
Employee Transportation Subsidy	51700				
Workers' Compensation	51800				
Other Post-Employment Benefits	51850				
Board Stipends	51900				
Travel In-State	52200				
Travel Out-Of-State	52225				
Training & Education	52300				
Repair & Maintenance (Equipment)	52400				
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200	\$858,268	\$1,300,000	\$1,300,000	
Professional Services & Contracts	53300				
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54600				
<b>Total Services &amp; Supplies Expenditures</b>		\$858,268	\$1,300,000	\$1,300,000	
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005				
<b>Total Expenditures</b>		\$858,268	\$1,300,000	\$1,300,000	

<b>Purchasing</b>		<b>708</b>
<b>Managing Division:</b> Executive and Administrative Resources		
<b>Contact Person:</b> Satnam Hundel		
<b>Program Purpose:</b> Provide for the purchasing of equipment and supplies and the negotiating of service contracts.		
<b>Description of Program:</b> The purchasing section is responsible for the procurement of services, equipment and supplies. The section facilitates the administration of limited access license agreements, lease agreements, professional service contracts, and request for proposals/qualifications. The section is also responsible for the property management administration of various insurance policies, and the coordination of the disposal of surplus equipment.		
<b>Justification of Change Request:</b> None.		
<b>Activities</b>		
Process purchase order requests.		
Approve the purchase of necessary office supplies as requested by District personnel.		
Administer District service contracts and negotiate lease renewals.		
Process service requests on equipment under maintenance.		
Deliver requested office supplies.		
Negotiate best price on sale of surplus equipment.		
Manage District insurance policies		
<b>Major Objectives</b>		<b>Delivery Date</b>
Process purchase order requests.		Daily
Approve the purchase of necessary office supplies as requested by District personnel.		Ongoing
Administer District service contracts, leases, and limited access license agreements.		Ongoing

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		2.11	3.00	2.87	(0.13)	(4.33%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$264,257	\$352,080	\$327,913	(\$24,167)	(6.86%)
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$4,062	\$5,039	\$4,693	(\$346)	(6.87%)
Pension Benefits	51400	\$43,390	\$69,974	\$71,267	\$1,292	1.85%
FICA Replacement Benefits	51500	\$2,864	\$5,229	\$5,034	(\$195)	(3.73%)
Group Insurance Benefits	51600	\$40,474	\$45,151	\$52,819	\$7,668	16.98%
Employee Transportation Subsidy	51700	\$3,875	\$6,118	\$4,023	(\$2,095)	(34.25%)
Workers' Compensation	51800	\$799	\$1,738	\$1,630	(\$108)	(6.22%)
Other Post-Employment Benefits	51850	\$27,480	\$30,227	\$28,346	(\$1,881)	(6.22%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$387,199	\$515,557	\$495,724	(\$19,833)	(3.85%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300		\$1,100	\$1,200	\$100	9.09%
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$2,017	\$40,000	\$42,500	\$2,500	6.25%
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	(\$525)				
General Insurance	53400	\$363,075	\$345,000	\$364,000	\$19,000	5.51%
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900	\$14,069	\$100,000	\$105,000	\$5,000	5.00%
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$378,636	\$486,100	\$512,700	\$26,600	5.47%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$30,823)				
<b>Total Expenditures</b>		\$735,012	\$1,001,657	\$1,008,424	\$6,767	0.68%

<b>Shared Services</b>	<b>709</b>
<b>Managing Division:</b> Executive and Administrative Resources	
<b>Contact Person:</b> Maricela Martinez	
<b>Program Purpose:</b> Sharing of limited business operations and technology functions between the Air District, Metropolitan Transportation Commission, and the Association of Bay Area Governments at 375 Beale Street.	
<b>Description of Program:</b> Shared services between the Air District, Metropolitan Transportation Commission and the Association of Bay Area Governments, including personnel and shared business operations, IT license and maintenance agreements required for a shared services component for the agencies.	
<b>Justification of Change Request:</b> The shared services component includes general services and technology functions: personnel, conference room scheduling, conference room set-up, video conferencing, webcasting, copy/print/mail production and distribution, shared fleet management, shuttle service, wellness center; email, calendaring, telephone systems, wireless network, internet connectivity, printing, electronic file storage, server rooms maintenance,	
<b>Activities</b>	
Maintain service level agreements with partner agencies	
Maintain communication plan for building protocols	
Maintain and develop training materials for new technologies and services available at 375 Beale Street	
Maintain Shared Services Budget and Responsibilities	
<b>Major Objectives</b>	<b>Delivery Date</b>
Maintain service level agreements with partner agencies	Ongoing
Maintain communication plan for building protocols	Ongoing
Maintain and develop training materials for new technologies and services available at 375 Beale Street	Ongoing
Maintain Shared Services Budget and Responsibilities	Ongoing

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.00		(1.00)	(100.00%)
<b>Personnel Expenditures</b>					
Permanent Salaries	51105	\$103,373		(\$103,373)	(100.00%)
Overtime Salaries	51150				
Temporary Salaries	51200				
Payroll Taxes	51300	\$1,477		(\$1,477)	(100.00%)
Pension Benefits	51400	\$20,509		\$20,509	(100.00%)
FICA Replacement Benefits	51500	\$1,713		(\$1,713)	(100.00%)
Group Insurance Benefits	51600	\$11,821		(\$11,821)	(100.00%)
Employee Transportation Subsidy	51700	\$1,942		(\$1,942)	(100.00%)
Workers' Compensation	51800	\$579		(\$579)	(100.00%)
Other Post-Employment Benefits	51850	\$10,076		(\$10,076)	(100.00%)
Board Stipends	51900				
<b>Total Personnel Expenditures</b>		\$151,400		(\$151,490)	(100.00%)
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200				
Travel Out-Of-State	52225				
Training & Education	52300				
Repair & Maintenance (Equipment)	52400				
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300	\$1,906,429	\$2,100,000	\$2,110,000	\$10,000 0.48%
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54400				
<b>Total Services &amp; Supplies Expenditures</b>		\$1,906,429	\$2,100,000	\$2,110,000	\$10,000 0.48%
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005				
<b>Total Expenditures</b>		\$1,906,429	\$2,251,490	\$2,110,000	(\$141,490) (6.28%)



<b>Fleet Services</b>	<b>710</b>
<b>Managing Division:</b> Executive and Administrative Resources	
<b>Contact Person:</b> Satnam Hundel	
<b>Program Purpose:</b> Fleet maintenance and inspection to ensure safe and reliable transportation.	
<b>Description of Program:</b> The vehicle maintenance section includes the maintenance of the District's 123-vehicle fleet, vehicle financing, tracking and diagnostics fuel records of District vehicles. All vehicle maintenance is outsourced for service. As of FYE 2018/19, ninety-four (94) vehicles are leased from Enterprise Fleet Services on a Full Maintenance Program. One (1) Electric vehicle is leased from Nissan Motor Acceptance Corporation where routine services are covered by the vehicle warranty plan; one (1) Hydrogen Fuel Cell vehicle is leased from Anderson Honda Motors Co. Inc; and twenty-seven (27) vehicles are owned by the District and are included in the Enterprise Maintenance Management Program in which Enterprise assists the District in handling all scheduled and non-scheduled repairs.	
<b>Justification of Change Request:</b> None.	
<b>Activities</b>	
Perform factory-recommended preventive and routine vehicle maintenance.	
Maintain service support for response to emergency calls within one hour.	
Manage insurance contracts on District vehicles; process damage claims.	
Train staff in new technology in vehicle maintenance, evaluation and repairs.	
Modify and maintain up-to-date vehicle maintenance procedures.	
Oversee Enterprise-leased vehicles maintenance appointments.	
Perform yearly smog checks and reports on District vehicles.	
Quarterly Fuel Reporting.	
Vehicle disposal and purchasing.	
Cost management and billing.	
Plan and prepare annual budget, expenditures and analyze all financial objectives	
Create/update fleet policy and procedures, to include vehicle assignment, personal use, replacement policy, accident reporting process, and other procedures	
<b>Major Objectives</b>	<b>Delivery Date</b>
Completion of yearly maintenance on all District vehicles.	Annually
Completion of annual smog check for District vehicles.	Annually
Reduce the District vehicles carbon foot print with alternative fuel options such as Hybrid Vehicles, Electric Vehicles (EVs), and Hydrogen Fuel Cell	On-going

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.95	0.83	1.44	0.61	73.35%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$119,451	\$94,546	\$175,467	\$80,921	85.59%
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$1,849	\$1,353	\$2,513	\$1,161	85.80%
Pension Benefits	51400	\$17,185	\$18,783	\$37,541	\$18,759	99.87%
FICA Replacement Benefits	51500	\$1,218	\$1,423	\$2,526	\$1,103	77.53%
Group Insurance Benefits	51600	\$17,200	\$21,559	\$34,776	\$13,217	61.31%
Employee Transportation Subsidy	51700	\$3,268		\$2,018	\$2,018	
Workers' Compensation	51800	\$361	\$481	\$818	\$337	69.92%
Other Post-Employment Benefits	51850	\$12,421	\$8,370	\$14,222	\$5,852	69.92%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$172,953	\$146,514	\$269,882	\$123,368	84.20%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$2,864				
Travel Out-Of-State	52225					
Training & Education	52300	\$176	\$2,000	\$3,000	\$1,000	50.00%
Repair & Maintenance (Equipment)	52400	\$7,974	\$11,500	\$12,500	\$1,000	8.70%
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200	\$472,505	\$600,000	\$750,000	\$150,000	25.00%
Professional Services & Contracts	53300	\$10,370	\$11,500	\$12,500	\$1,000	8.70%
General Insurance	53400	\$24,203	\$55,000	\$55,000		
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700	\$241,675	\$230,000	\$265,000	\$35,000	15.22%
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$759,766	\$910,000	\$1,098,000	\$188,000	20.66%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$13,652)				
<b>Total Expenditures</b>		\$919,067	\$1,056,514	\$1,367,882	\$311,368	29.47%

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

## LEGAL SERVICES DIVISION

The District Counsel provides legal advice, counseling and representation to the Board of Directors and its Committees, the Executive Officer/APCO, District staff, and the Advisory Council in the execution of their respective statutory mandates and responsibilities. The District Counsel also represents, or manages outside counsel, representing the District in all litigation involving the District and in matters before the District's Hearing Board. The District Counsel primarily practices in the areas of general civil law, Federal, State and local air pollution control law, administrative law, Federal and State civil litigation, government law and the California Environmental Quality Act (CEQA).

The District Counsel will continue to implement significant changes in the Mutual Settlement and Civil Penalty Programs; such efforts over the past several fiscal years have been very effective in improving these programs. Efforts by District Counsel's attorneys and the Mutual Settlement Program staff have resulted in a nearly complete effort of resolving the existing inventory of enforcement cases. In addition, implementation of a Small Claims Court program for some enforcement cases in which settlement could not be reached through pre-litigation negotiation has been highly successful. The efforts to be undertaken this fiscal year are once again designed to properly implement legal requirements regarding settlements, deter repeat violations, impose civil penalties commensurate with the nature of the air quality violation involved, remove the economic benefit of violations, and encourage rule compliance by the regulated community. This fiscal year, District Counsel will continue the development and improvement of the Mutual Settlement Program. The District Counsel will also continue to coordinate with, and provide training for, Compliance and Enforcement Division staff regarding case development. These efforts will ensure that effective enforcement cases are built from the beginning of investigations, and will result in more effective settlements and prosecutions. The District Counsel's attorneys will continue their focus on civil penalty enforcement investigations and actions, including civil litigation and, where appropriate, Hearing Board enforcement proceedings.

District Counsel's attorneys will continue to advise District staff on rulemaking, permitting and air quality planning activities. In this regard, District Counsel will continue its efforts to coordinate closely with the District's staff on these issues to minimize challenges to District decision-making. District Counsel will also continue to represent the Executive Officer/APCO before the Hearing Board, counsel the Board of Directors and its Committees as to their legal authority and duties and interact with EPA, CARB, other Air Districts and private attorneys on various matters. District Counsel will continue to use outside labor/employment law firms to handle the specialized practice of labor and employment law counseling, negotiations and litigation. Due in large part to the efforts of attorneys in the District Counsel's office, the vast majority of the litigation pending against the District was resolved in FYE 2005. Cases filed in the intervening years have been more efficiently addressed and resolved. In addition to continuing to provide pre-litigation counseling, and to handle litigation matters internally, the District Counsel will continue to manage the efforts of outside counsel as appropriate in litigation, employment, and specialized counseling matters.

The District Counsel will continue to provide the Board of Directors, the Executive Officer/APCO and District staff with exemplary legal counsel and representation.

<b>Legal Counsel</b>	<b>201</b>
<b>Managing Division:</b> Legal	
<b>Contact Person:</b> Brian C. Bunger	
<b>Program Purpose:</b> To advise, counsel and assist the Board of Directors, the Executive Officer/APCO, and District staff on all legal matters related to the Air District's clean air mission and operations.	
<b>Description of Program:</b> The Air District Counsel provides a wide variety of legal services to the Board of Directors, the Executive Officer/APCO, Advisory Council, and District staff. Those services include advising and counseling on issues arising under Federal and State air pollution laws, the Brown Act, the California Environmental Quality Act (CEQA), the Public Records Act, and conflict of interest laws. Attorneys in the District Counsel's office prepare and review complex contracts, provide legal opinions and advice on rule development, and governmental and general law issues, such as enforcement, permitting and air quality planning matters. Work in the District Counsel's office also includes the development and implementation of legal policy documents for the District.	
<b>Justification of Change Request:</b> None.	
<b>Activities</b>	
Staff all Board of Director and Board Committee meetings and provide legal advice and direction, as necessary, at such meetings.	
Draft all necessary resolutions for adoption by the Board of Directors.	
Provide all legal opinions, reports and correspondence requested by the Board of Directors, the Advisory Council and the Executive Officer/APCO.	
Provide all legal opinions, reports and correspondence requested by the Board of Directors, the Advisory Council and the Executive Officer/APCO.	
Review and comment on all legislative proposals affecting the District.	
Provide legal advice and review of all rule adoptions and amendments including CEQA analysis.	
Staff all meetings with District staff, members of the public, representatives of other public agencies, environmental groups, industry, the press and legislative representatives involving District permitting, rule development or enforcement.	
Provide legal advice, direction and contract drafting to administration of TFCA.	
Advise and assist the Executive Officer/APCO and District staff in legal matters involving contracts, the Public Records Act, conflicts of interest, leases and copyrights.	
Provide all staff support functions associated with the above activities.	
Advise Air District staff and the Board of Directors on all issues related to the Federal Clean Air Act, California Clean Air Act and associated State and Federal regulations.	
<b>Major Objectives</b>	<b>Delivery Date</b>

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		6.68	7.79	7.70	(0.09)	(1.16%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$1,156,203	\$1,345,477	\$1,368,818	\$23,341	1.73%
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$17,780	\$19,339	\$19,682	\$344	1.78%
Pension Benefits	51400	\$181,950	\$262,938	\$294,242	\$31,304	11.91%
FICA Replacement Benefits	51500	\$12,473	\$13,906	\$12,506	(\$400)	(2.88%)
Group Insurance Benefits	51600	\$176,016	\$138,097	\$143,204	\$5,107	3.70%
Employee Transportation Subsidy	51700	\$14,133	\$12,943	\$10,792	(\$2,150)	(16.61%)
Workers' Compensation	51800	\$3,494	\$4,514	\$4,373	(\$141)	(3.12%)
Other Post-Employment Benefits	51850	\$120,231	\$78,496	\$76,049	(\$2,446)	(3.12%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,682,279	\$1,875,708	\$1,930,667	\$54,959	2.93%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$3,217	\$3,000	\$3,000		
Travel Out-Of-State	52225	\$4,485	\$2,000	\$4,000	\$2,000	100.00%
Training & Education	52300	\$4,361	\$5,500	\$6,500	\$1,000	18.18%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$3,057	\$3,000	\$5,000	(\$3,000)	(37.50%)
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$2,676	\$2,500	\$4,000	\$1,500	60.00%
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$53,085	\$20,000	\$45,000	\$25,000	125.00%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900	\$62				
Books & Journals	54100	\$36,529	\$65,000	\$40,000	(\$25,000)	(38.46%)
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$107,470	\$106,000	\$107,500	\$1,500	1.42%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$129,915)				
<b>Total Expenditures</b>		\$1,659,834	\$1,981,708	\$2,038,167	\$56,459	2.85%

<b>Hearing Board Proceedings</b>		<b>202</b>
<b>Managing Division:</b>		
Legal		
<b>Contact Person:</b>		
Brian C. Bunger		
<b>Program Purpose:</b>		
To represent the Air District in all proceedings involving variances, orders of abatement, permit appeals and permit revocations before the Air District's Hearing Board.		
<b>Description of Program:</b>		
The Air District Counsel provides all necessary legal representation and counsel for the District in variance, order of abatement, permit appeal and permit revocation actions before the Air District's Hearing Board. Permit holders may seek variance relief from the Hearing Board when they are unable to meet a District rule or permit requirement as long as state law requirements are met. The District may seek orders of abatement against facilities for on-going violations, or seek to revoke those facilities' permits. The Air District Counsel also represents the District in appeals by applicants or third parties to permit, emission reduction credit, and interchangeable emission reduction credit decisions made by the District. In addition, the Air District Counsel works with the Hearing Board's members and staff to improve the Hearing Board's rules and procedures.		
<b>Justification of Change Request:</b>		
None.		
<b>Activities</b>		
Review and advise Air District staff regarding the legal and factual sufficiency of variance requests.		
Prepare and/or review all required written correspondence, pleadings and orders.		
Represent the Air District in all Hearing Board matters, including preparing all written submissions for these cases.		
Prepare Air District witnesses for hearings.		
Provide staff support functions associated with the above activities		
<b>Major Objectives</b>		<b>Delivery Date</b>

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>	0.40	0.17	0.41	0.24	136.18%
<b>Personnel Expenditures</b>					
Permanent Salaries	51105	\$66,855	\$32,183	\$76,880	\$44,697 138.88%
Overtime Salaries	51150				
Temporary Salaries	51200				
Payroll Taxes	51300	\$1,025	\$463	\$1,106	\$543 138.94%
Pension Benefits	51400	\$9,771	\$6,427	\$16,744	\$10,317 160.52%
FICA Replacement Benefits	51500	\$695	\$313	\$719	\$406 129.70%
Group Insurance Benefits	51600	\$9,832	\$3,883	\$8,571	\$4,688 120.72%
Employee Transportation Subsidy	51700	\$729	\$388	\$575	\$187 48.16%
Workers' Compensation	51800	\$202	\$101	\$233	\$132 131.51%
Other Post-Employment Benefits	51850	\$6,952	\$1,749	\$4,049	\$2,300 131.51%
Board Stipends	51900				
<b>Total Personnel Expenditures</b>		\$96,060	\$45,507	\$108,877	\$63,370 139.25%
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200				
Travel Out-Of-State	52225				
Training & Education	52300				
Repair & Maintenance (Equipment)	52400				
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300				
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54600				
<b>Total Services &amp; Supplies Expenditures</b>					
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005				
<b>Total Expenditures</b>		\$96,060	\$45,507	\$108,877	\$63,370 139.25%



<b>Penalties Enforcement &amp; Settlement</b>		<b>203</b>
<b>Managing Division:</b> Legal		
<b>Contact Person:</b> Brian C. Bunger		
<b>Program Purpose:</b> To remove the economic benefit from, and provide a credible and effective deterrence to, violations of Air District Rules by reaching settlements or pursuing penalty enforcement actions fairly and consistently.		
<b>Description of Program:</b> The Air District Counsel, in cooperation with the Enforcement and Compliance Division, enforces the Air District's rules by reaching informal settlements through the Mutual Settlement Program, by pursuing administrative enforcement actions (orders of abatement and revocation of permits), by filing and prosecuting civil penalty actions, or by referring cases to other agencies for consideration of civil or criminal enforcement actions within those agencies' jurisdiction.		
<b>Justification of Change Request:</b> None.		
<b>Activities</b>		
Administer Mutual Settlement Program.		
Pursue Small Claims Court actions to collect civil penalties.		
Provide full time clerical staff support for this program.		
Prepare witnesses and documentary evidence for administrative hearings and civil litigation associated with actions to recover civil penalties.		
Meet and confer with District staff and defendants to discuss settlement or to advance litigation.		
Represent the District in all court hearings, settlement conferences and civil discovery.		
Coordinate the referral of cases for civil and criminal prosecution to District Attorney offices and other agencies with jurisdiction over air quality issues.		
Prepare all correspondence and prepare and file all pleadings in civil and administrative actions.		
Settle or pursue enforcement actions on all Notices of Violation (NOVs).		
<b>Major Objectives</b>		<b>Delivery Date</b>

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.53	3.80	3.54	(0.26)	(6.77%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$458,296	\$528,861	\$506,023	(\$22,838)	(4.32%)
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$7,073	\$7,585	\$7,261	(\$324)	(4.27%)
Pension Benefits	51400	\$84,348	\$104,323	\$109,289	\$4,967	4.76%
FICA Replacement Benefits	51500	\$5,093	\$6,641	\$6,209	(\$431)	(6.50%)
Group Insurance Benefits	51600	\$71,899	\$60,406	\$59,797	(\$608)	(1.01%)
Employee Transportation Subsidy	51700	\$5,578	\$7,264	\$4,962	(\$2,302)	(31.70%)
Workers' Compensation	51800	\$1,385	\$2,200	\$2,010	(\$189)	(8.61%)
Other Post-Employment Benefits	51850	\$47,657	\$38,256	\$34,963	(\$3,293)	(8.61%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$681,329	\$755,535	\$730,515	(\$25,019)	(3.31%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$2,800	\$2,800		
Travel Out-Of-State	52225					
Training & Education	52300		\$2,000	\$2,000		
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300					
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100		\$1,000	\$1,000		
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>			\$5,800	\$5,800		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$681,329	\$761,335	\$736,315	(\$25,019)	(3.29%)

<b>Litigation</b>	<b>205</b>
<b>Managing Division:</b> Legal	
<b>Contact Person:</b> Brian C. Bunger	
<b>Program Purpose:</b> To represent and oversee the Air District representation in State and Federal courts.	
<b>Description of Program:</b> Individuals, corporations and organizations may sue the Air District in State or Federal court over District actions; the District Counsel represents the District in such matters. The District Counsel also directs the efforts of outside counsel handling such litigation and advising the District in specialized legal areas such as labor law, employment law and tort actions.	
<b>Justification of Change Request:</b> None.	
<b>Activities</b>	
Represent Air District in State court actions.	
Represent Air District in Federal court actions.	
Provide litigation status reports to Air District Board of Directors.	
Legal research for litigation matters.	
Monitor and direct activities of outside counsel in general litigation and specialized legal areas such as labor law, employment law and tort actions.	
Provide clerical support for litigation matters.	
<b>Major Objectives</b>	<b>Delivery Date</b>

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.30	1.21	1.28	0.07	5.86%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$239,645	\$229,521	\$249,616	\$20,095	8.76%
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$3,692	\$3,302	\$3,592	\$290	8.80%
Pension Benefits	51400	\$37,923	\$45,139	\$54,313	\$9,174	20.32%
FICA Replacement Benefits	51500	\$2,540	\$2,170	\$2,245	\$75	3.48%
Group Insurance Benefits	51600	\$35,849	\$26,042	\$28,976	\$2,933	11.26%
Employee Transportation Subsidy	51700	\$2,658	\$2,666	\$1,794	(\$872)	(32.72%)
Workers' Compensation	51800	\$724	\$700	\$727	\$26	3.77%
Other Post-Employment Benefits	51850	\$24,920	\$12,182	\$12,642	\$460	3.77%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$347,951	\$211,722	\$353,905	\$32,182	10.00%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300		\$3,000	\$3,000		
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800		\$2,300	\$2,300		
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$12,094	\$235,000	\$235,000		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200	\$315	\$7,000	\$7,000		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$12,408	\$247,300	\$247,300		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures **</b>		\$360,359	\$569,022	\$601,205	\$32,182	5.66%

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

## COMMUNICATIONS OFFICE

The Communications Office coordinates all agency media outreach, Air District messaging, crisis communications, media relations as well as print, digital and social media outreach for the Air District. The Office provides media and public outreach about the Air District's programs, operations and emergency response.

The Office manages advertising and outreach for Spare the Air, Winter Spare the Air, the Employer Program, Spare the Air Youth, Resource Teams and the Commuter Benefits Program. The Office oversees the Air District and Spare the Air social media sites, strategies and programs. The Office maintains the Spare the Air website and related sites and the Spare the Air mobile apps. The Office represents the Air District at community events for Spare the Air throughout the region.

Office functions include production of publications and digital collateral for the general public and target audiences. This includes publishing newsletters, the annual report, videos and collateral materials. The office also provides and oversees graphic design services and provides Air District tours for international delegations, organizations and school groups.

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

<b>Media Relations</b>		<b>301</b>
<b>Managing Division:</b> Communications Office		
<b>Contact Person:</b> Kristine Roselius		
<b>Program Purpose:</b> Act as the Air District's main point of contact to the public through media and social media. Increase public awareness and understanding of the roles that the public and the Air District have in creating behavior change and reducing air pollution and the impacts of climate change.		
<b>Description of Program:</b> Provide proactive media outreach about air quality issues, Air District programs and the purpose and functions of the agency through printed materials, media events, promotional materials, baaqmd.gov website, press releases, publications videos, podcasts, mobile apps and social media. Develop graphically appealing and compelling images to better message Air District efforts on social media, presentations and displays.		
<b>Justification of Change Request:</b> Budget increased due to new staff and training requirements.		
<b>Activities</b>		
Maintain up-to-date and relevant air quality information on the Air District website.		
Develop video and audio podcasts about air quality issues and the Air District's programs and rules		
Develop wildfire messaging, procedures, graphics, printed and web materials		
Produce publications including plans, brochures, booklets and other Air District documents.		
Issue press releases and host media events highlighting Air District accomplishments.		
Coordinate the Air District presence at events and fairs throughout the region.		
Develop and implement media, social media and communication strategies around major Air District policies and issues.		
Develop and maintain effective working relationships with members of the media and social media influencers.		
Track and analyze print, internet, radio, social media and television coverage of the Air District.		
Provide development opportunities for staff related to activities and objectives of the Air District.		
Develop emergency response internal, media and social media outreach procedures		
Develop crisis communications internal, media and social media outreach procedures		
Development and management of Air District social media sites		
<b>Major Objectives</b>		<b>Delivery Date</b>
Produce Air District Annual Report.		6/30/2020
Publish quarterly Air Currents newsletter.		6/30/2020
Develop media response operating procedures, Air District media policy, and social media policy.		Ongoing
Conduct media training for public information officers and other Air District staff.		Ongoing
Develop video podcasts, video news releases / statements, infographics and display graphics for Air District programs / events.		Ongoing
Publish Air District social media posts.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		6.17	6.38	5.23	(1.15)	(18.05%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$712,902	\$708,086	\$594,118	(\$113,968)	(16.10%)
Overtime Salaries	51150	\$11,591				
Temporary Salaries	51200	\$64,955				
Payroll Taxes	51300	\$11,063	\$10,127	\$8,502	(\$1,525)	(16.05%)
Pension Benefits	51400	\$122,753	\$138,579	\$129,335	(\$9,243)	(6.67%)
FICA Replacement Benefits	51500	\$7,969	\$11,055	\$9,174	(\$1,882)	(17.02%)
Group Insurance Benefits	51600	\$112,290	\$81,631	\$99,327	\$17,697	21.68%
Employee Transportation Subsidy	51700	\$8,332	\$8,985	\$7,330	(\$1,655)	(18.42%)
Workers' Compensation	51800	\$2,154	\$3,697	\$2,970	(\$727)	(19.67%)
Other Post-Employment Benefits	51850	\$74,133	\$64,304	\$51,654	(\$12,650)	(19.67%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,128,142	\$1,026,465	\$902,412	(\$124,054)	(12.09%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$3,603	\$9,000	\$14,000	\$5,000	55.56%
Travel Out-Of-State	52225	\$2,714	\$4,600	\$6,000	\$1,400	30.43%
Training & Education	52300	\$6,740	\$16,500	\$16,500		
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$13,605	\$47,000	\$47,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800	\$244	\$4,000	\$4,000		
Printing & Reproduction	52900	\$2,931	\$42,000	\$42,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$213,802	\$420,000	\$420,000		
General Insurance	53400					
Shop & Field Supplies	53500	\$3				
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$6,242	\$11,000	\$11,000		
Stationery & Office Supplies	53900	\$11,176	\$4,000	\$4,000		
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$261,059	\$558,100	\$564,500	\$6,400	1.15%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$60,171)				
<b>Total Expenditures</b>		\$1,329,030	\$1,584,565	\$1,466,912	(\$117,654)	(7.42%)



<b>Intermittent Control Programs</b>		<b>303</b>
<b>Managing Division:</b> Communications Office		
<b>Contact Person:</b> Kristine Roselius		
<b>Program Purpose:</b> The Winter Spare the Air program informs the public about the Wood Burning Rule, the health impacts of wood smoke pollution and alternative, cleaner forms of heat and change-out incentives.		
<b>Description of Program:</b> The Wood Burning Rule was passed in 2008 and wood burning is banned between November and February when a Winter Spare the Air Alert is called. The Winter Spare the Air campaign informs the public about the health impacts of wood smoke both inside and outside the home. A seasonal messaging/advertising campaign is developed and delivered to the public through regional advertising, media outreach, neighborhood events and through seasonal door-to-door outreach and survey campaign.		
<b>Justification of Change Request:</b> Budget increase to cover increasing costs of Winter Spare the Air text alerts due to growing subscriber base.		
<b>Activities</b>		
Develop and disseminate a Winter Spare the Air campaign to inform the public about the health impacts of wood smoke.		
Prepare and issue media releases, respond to media inquiries and plan media events/deskside & editorial board visits.		
Conduct public opinion surveys to evaluate program and measure behavior change.		
Manage and update the sparetheair.org, baaqmd.gov and sparetheairnow.org websites as well as social media sites including Twitter, Linked In, Pinterest and Facebook.		
Manage notification methods for Winter Spare the Air Alerts, including automated phone alerts, text and email alerts, online banners, iPhone/Android app and widget.		
Deliver public outreach, advertising and media relations campaigns.		
Provide public outreach at community events throughout the Bay Area.		
Door to door outreach/surveys		
Provide overview of campaign to Executive Committee and Board of Directors.		
Provide outreach to local government leaders and community organizations and the general public about the Winter Spare the Air program.		
Promote cleaner heating options and available incentives.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Launch Winter Spare the Air Season.		11/1/2019
Execute and evaluate Winter Spare the Air season public outreach campaign.		6/30/2020
Develop video podcasts, video news releases / statements, displays and infographics for Winter Spare the Air programs / events.		2/29/2020
Respond to public inquiries, provide informational speeches and presentations.		2/29/2020
Publicize cleaner heating options.		6/30/2020
Monitor and measure campaign effectiveness via public opinion surveys.		3/30/2020
Develop Winter Spare the Air Season summary.		4/1/2020
Issue Winter Spare the Air Alert advisories when air quality is forecast to reach unhealthy levels.		2/28/2020
Provide information about the health impacts of wood smoke to the public, community organizations and local government leaders.		Ongoing
Add new features to updated sparetheair.org website		3/01/2020

Intermittent Control Programs

303

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.12	2.00	2.18	0.18	8.85%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$122,744	\$221,965	\$249,361	\$27,395	12.34%
Overtime Salaries	51150	\$15,224				
Temporary Salaries	51200					
Payroll Taxes	51300	\$1,932	\$3,175	\$3,569	\$394	12.42%
Pension Benefits	51400	\$22,486	\$43,846	\$54,506	\$10,660	24.31%
FICA Replacement Benefits	51500	\$1,267	\$3,462	\$2,824	\$362	10.45%
Group Insurance Benefits	51600	\$18,195	\$30,241	\$35,262	\$5,020	16.60%
Employee Transportation Subsidy	51700	\$1,346	\$2,874	\$3,055	\$181	6.30%
Workers' Compensation	51800	\$371	\$1,160	\$1,238	\$78	6.70%
Other Post-Employment Benefits	51850	\$12,764	\$20,179	\$21,531	\$1,352	6.70%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$196,330	\$226,303	\$372,345	\$45,443	13.90%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$415				
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$15,451	\$1,119,000	\$1,125,000	\$6,000	0.54%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$815,866	\$1,119,000	\$1,125,000	\$6,000	0.54%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$1,012,196	\$1,445,903	\$1,497,345	\$51,443	3.56%

<b>Spare the Air (CMAQ)</b>		<b>305</b>
<b>Managing Division:</b> Communications Office		
<b>Contact Person:</b> Kristine Roselius		
<b>Program Purpose:</b> The Spare the Air program encourages the public to reduce their driving, a major source of Bay Area air pollution, and promotes the use of public transit, biking, walking, carpooling, trip reduction and other behavior changes that reduce pollution from automobiles.		
<b>Description of Program:</b> The Spare the Air Program provides health alerts and informs Bay Area residents about air pollution and encourages them to reduce single occupancy driving, especially during their commute to and from work, to improve air quality. The Spare the Air program will also help to promote the Commuter Benefits Program which supports the overall goal of reducing the number of vehicles on Bay Area roads.  When air quality is forecast to be unhealthy, the Air District issues Spare the Air Alerts. Outreach to the public is conducted through an advertising and media relations campaign as well as through social media sites such as Twitter and Facebook.		
<b>Justification of Change Request:</b> No change.		
<b>Activities</b>		
Conduct campaign to educate the public about individual choices to reduce air pollution.		
Prepare and issue media releases, respond to media inquiries and plan media events.		
Conduct public opinion surveys to evaluate program and measure behavior change.		
Manage and update the sparettheair.org website as well as campaign landing pages and provide regular updates, measurements and responses for social media sites such as Twitter, Pinterest and Facebook.		
Provide public outreach at community events throughout the Bay Area.		
Notify the public of Spare the Air Alerts through AirAlerts, text alerts, the media, sparettheair.org, baaqmd.gov, the iPhone/Android app and social media sites.		
Manage public outreach campaigns for advertising, social media and media relations.		
Provide overview of campaign to Executive Committee and Board of Directors.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Develop the 2020 Spare the Air campaign.		3/01/2020
Launch 2020 Spare the Air ozone season.		5/01/2020
Monitor and measure campaign effectiveness via public opinion surveys.		10/15/2020
Manage the 2019 Spare the Air advertising, media relations and social media campaign.		10/30/2020
Promote Spare the Air clean air activities at public events.		10/30/2020
Develop video podcasts, video news releases / statements, displays and infographics for Spare the Air program / events.		10/30/2020

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>					
<b>Personnel Expenditures</b>					
Permanent Salaries	51105				
Overtime Salaries	51150				
Temporary Salaries	51200				
Payroll Taxes	51300				
Pension Benefits	51400				
FICA Replacement Benefits	51500				
Group Insurance Benefits	51600				
Employee Transportation Subsidy	51700				
Workers' Compensation	51800				
Other Post-Employment Benefits	51850				
Board Stipends	51900				
<b>Total Personnel Expenditures</b>					
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200				
Travel Out-Of-State	52225				
Training & Education	52300				
Repair & Maintenance (Equipment)	52400				
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300	\$778,528	\$1,000,000		
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54600				
<b>Total Services &amp; Supplies Expenditures</b>		\$778,528	\$1,000,000		
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005				
<b>Total Expenditures</b>	\$778,528	\$1,000,000	\$1,000,000		

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## TECHNOLOGY IMPLEMENTATION OFFICE

In late 2018, both the Intergovernmental Panel on Climate Change Special Report on Global Warming of 1.5°C and United States' Fourth National Climate Assessment stressed the urgency to reduce greenhouse gas emissions. At the same time, many climate solutions are available but have limited adoption. The Technology Implementation Office (TIO) mission is to advance these emerging, cost-effective solutions to achieve greenhouse gas emissions reductions for the transportation and industrial source sectors. TIO will connect climate technologies and customers by providing financial incentives (through grants and loans) as well as technical and matchmaking support. Climate technology areas include zero emissions vehicles and infrastructure, zero emissions energy storage and backup systems, composting, and waste-to-energy projects (co-digestion, waste treatment, anaerobic digestion, combined heat and power). By supporting the scale-up of climate technologies, TIO can help achieve state and regional greenhouse gas emissions targets, reduce emissions in impacted communities, while also making technologies cost-effective even in regions without strong climate policies.

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<b>Greenhouse Gas Technologies - Stationary</b>		<b>126</b>
<b>Managing Division:</b> Technology Implementation Office		
<b>Contact Person:</b> Derrick Tang		
<b>Program Purpose:</b> The Climate Tech Finance program advances emerging and cost-effective solutions to achieve greenhouse gas emissions reduction. The TIO's goal is to support the 2017 Clean Air Plan goal of a carbon-free Bay Area by 2050 and mainstream technologies so they can be scaled-up throughout and beyond the Bay Area.		
<b>Description of Program:</b> The program cultivates partnerships and provides financing to incentivize greenhouse gas emissions reductions for stationary and industrial sources.		
<b>Justification of Change Request:</b> Funds to establish the loan program were allocated in FYE2019 and will continue to be used for new projects in FYE2020. The FYE2020 budget support activities to conduct matchmaking efforts between technologies and customers, research and evaluate new technologies, and administer the loan projects.		
<b>Activities</b>		
Oversee loan and loan guarantee partnership and projects.		
Perform evaluations of climate technologies.		
Identify technologies and customers and provide technical support and financing to implement technologies.		
Convene stakeholders for technology matchmaking and peer-to-peer information exchanges.		
Provide technical resources to partners and the District.		
<b>Major Objectives</b>		<b>Delivery Date</b>
1. Provide loans and loan guarantees for implementing new technologies.		Ongoing
2. Convene stakeholders for quarterly technology matchmaking events, as well as a second Climate Tech Marketplace event to showcase emerging technologies among potential facility customers.		Quarterly
3. Develop strategic plan and fundraising materials to pursue additional program funding.		12/31/19

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.36	2.44	3.40	0.96	39.12%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$177,792	\$236,177	\$402,097	\$165,921	70.25%
Overtime Salaries	51150	\$928	\$25,000	\$25,000		
Temporary Salaries	51200	\$3,333				
Payroll Taxes	51300	\$2,724	\$3,734	\$6,120	\$2,386	63.92%
Pension Benefits	51400	\$13,086	\$43,008	\$80,579	\$7,571	87.36%
FICA Replacement Benefits	51500	\$1,870	\$4,217	\$5,964	\$1,747	41.42%
Group Insurance Benefits	51600	\$26,427	\$32,967	\$40,531	\$7,564	22.94%
Employee Transportation Subsidy	51700	\$2,068	\$194	\$4,765	\$4,571	2353.93%
Workers' Compensation	51800	\$537	\$1,416	\$1,931	\$515	36.37%
Other Post-Employment Benefits	51850	\$18,488	\$24,624	\$33,580	\$8,957	36.37%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$247,253	\$371,336	\$600,567	\$229,231	61.73%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,538	\$5,500	\$6,000	\$500	9.09%
Travel Out-Of-State	52225	\$904	\$9,500	\$9,500		
Training & Education	52300	\$248	\$9,000	\$10,000	\$1,000	11.11%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$497	\$2,000	\$1,500	(\$500)	(25.00%)
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$123,393	\$4,001,000	\$180,000	(\$3,821,000)	(95.50%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$315	\$500	\$4,000	\$3,500	700.00%
Stationery & Office Supplies	53900	\$630	\$250	\$250		
Books & Journals	54100		\$250	\$250		
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$127,625	\$4,028,000	\$211,500	(\$3,816,500)	(94.75%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer In/Out</b>	70005					
<b>Total Expenditures</b>		\$374,878	\$4,399,336	\$812,067	(\$3,587,269)	(81.54%)



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## STRATEGIC INCENTIVES DIVISION

The Strategic Incentives Division administers grant programs to facilitate the execution of projects and programs focused primarily on the reduction of emissions from mobile sources in the Bay Area. The primary grant programs include the Transportation Fund for Clean Air (TFCA), the Carl Moyer Program (CMP), the Mobile Source Incentive Fund (MSIF), the Lower-Emission School Bus Program (LESBP), in addition to other miscellaneous grant programs. These programs support the implementation of transportation and mobile source measures, as well as other incentive-based initiatives that improve air quality in the region. In FYE 2020 the Strategic Incentives Division will administer more than \$100 million in new grant revenue funds.

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<b>CARBON OFFSET FUND</b>		<b>311</b>
<b>Managing Division:</b> Strategic Incentives		
<b>Contact Person:</b> Chengfeng Wang		
<b>Program Purpose:</b> Administer allocation of carbon offset fund revenue.		
<b>Description of Program:</b> On September 10, 2007, ConocoPhillips Company (COP) entered into a settlement agreement with the Attorney General of California, which resulted in COP making a one-time payment of approximately \$4.4 million to a carbon offset fund created by the Air District. On November 24, 2008, the Air District entered into a Memorandum of Understanding with the Attorney General regarding the establishment of a carbon offset fund and the implementation of a Greenhouse Gas Reduction Grant Program (GGRGP) to fund projects that achieve verifiable, quantifiable reductions in greenhouse gas (GHG) emissions, with priority given to projects near the Rodeo Refinery. These projects were completed by FYE 2016.  The remaining funds from the GGRGP are being used for the replacement of conventional commercial lawn and garden equipment with zero-emission alternatives with all funded projects to be completed in FYE 2020.		
<b>Justification of Change Request:</b> No change.		
<b>Activities</b>		
Develop policies and guidelines for Program funding and prepare recommendations for Board of Directors consideration of Program policies and award of project funds.		
Conduct workshops and assist with outreach efforts and project solicitation.		
Review and evaluate applications and proposals for conformance with the applicable guidelines, policies, and regulations, and prepare Program documents, contracts, letters, reports, and communications.		
Track status and performance of projects and conduct inspections.		
Prepare technical, financial, and staff reports.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Prepare technical, financial, and staff reports.		Ongoing
Monitor, inspect, and audit projects to assure compliance with program guidelines.		Ongoing
Review project progress reports and reimbursement requests, and ensure project files are complete and up to date.		Ongoing
Prepare and submit the final annual report to California Attorney General.		08/30/20

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.03				
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$2,060				
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$33				
Pension Benefits	51400	\$197				
FICA Replacement Benefits	51500	\$24				
Group Insurance Benefits	51600	\$336				
Employee Transportation Subsidy	51700	\$25				
Workers' Compensation	51800	\$6				
Other Post-Employment Benefits	51850	\$214				
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$2,896				
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300					
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>						
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$2,896				

GRANT PROGRAM DEVELOPMENT		313
<b>Managing Division:</b> Strategic Incentives		
<b>Contact Person:</b> Chengfeng Wang		
<b>Program Purpose:</b> Expand availability of funding for emission reduction projects in the Bay Area by identifying and securing new sources of funding. Manage advanced technology demonstration projects through grants secured.		
<b>Description of Program:</b> This program, established in 2010, is focused on identifying and securing new sources of funding for the Bay Area region. In FYE 2020, staff will pursue funding from Federal, State, local governments and other funding sources. Over time, this program aims to expand the availability of grant funding in the region in order to create additional opportunities for Bay Area businesses and residents to implement projects that reduce criteria pollutants, greenhouse gases, and toxic air contaminants from mobile and stationary sources.		
<b>Justification of Change Request:</b> No change.		
<b>Activities</b>		
Form partnerships to leverage Air District funding resources.		
Identify new sources of funding.		
Prepare grant applications to secure new funding sources.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Identify new sources of funding for the region.		Ongoing
Prepare grant applications and secure new funding sources.		Ongoing
Manage advanced technology demonstration grants secured through development activities.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.41	2.65	2.68	0.03	1.03%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$165,743	\$277,306	\$325,087	\$47,782	17.23%
Overtime Salaries	51150	\$841				
Temporary Salaries	51200	\$64,271				
Payroll Taxes	51300	\$2,556	\$3,963	\$4,656	\$693	17.50%
Pension Benefits	51400	\$41,599	\$54,650	\$68,130	\$15,480	24.67%
FICA Replacement Benefits	51500	\$1,848	\$4,571	\$4,701	\$130	2.85%
Group Insurance Benefits	51600	\$26,026	\$34,619	\$56,956	\$22,337	64.52%
Employee Transportation Subsidy	51700	\$2,264	\$2,452	\$3,756	\$1,304	53.19%
Workers' Compensation	51800	\$501	\$1,537	\$1,522	(\$15)	(0.97%)
Other Post-Employment Benefits	51850	\$17,235	\$26,727	\$26,469	(\$258)	(0.97%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$322,885	\$405,824	\$491,277	\$85,453	21.06%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$153	\$13,200	\$13,200		
Travel Out-Of-State	52225		\$8,000	\$8,000		
Training & Education	52300		\$3,500	\$7,500	\$4,000	114.29%
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$14,508	\$80,000	\$51,000	(\$29,000)	(36.25%)
General Insurance	53400					
Shop & Field Supplies	53500		\$1,000	\$1,000		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$20,000		(\$20,000)	(100.00%)
Stationery & Office Supplies	53900		\$500		(\$500)	(100.00%)
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$44,660	\$126,200	\$80,700	(\$45,500)	(36.05%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$367,545	\$532,024	\$571,977	\$39,953	7.51%

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## COMPLIANCE ENFORCEMENT DIVISION

The Compliance & Enforcement Division ensures the Air District will realize the emission reductions achieved by the air quality regulations adopted by the Board of Directors, and permit conditions issued by the Executive Officer/APCO. Compliance with District, State, and Federal regulations is achieved by a Compliance Assistance Program that assists industry in understanding requirements, a Compliance Assurance (inspection) Program and an Enforcement Program that provides an effective deterrence to non-compliance. The Division promotes compliance assistance and voluntary compliance that assists companies to ensure compliance with regulations. When non-compliance is discovered, enforcement is applied at a level appropriate to the nature and extent of the violation. The Division will continue to work closely with industry, community groups, and environmental groups to review and enhance air quality compliance and enforcement programs, to provide the highest level of service.

For FYE 2020, the Division will continue to implement the Air District's comprehensive strategy to reduce residential wood smoke through enforcement, outreach and compliance assistance of the Wood Smoke Rule (Regulation 6, Rule 3). The Division will continue to implement the District's Mobile Source Compliance Plan (MSCP), a program for enforcement of CARB Diesel Particulate Matter (DPM) regulations from mobile sources. The Division will continue to minimize petroleum refinery flare use through the Flare Minimization Plans for all five Bay Area refineries. The Compliance & Enforcement Division will continue to assist cross-divisional efforts in AB617 to develop and implement new enforcement strategies to address community concerns in West Oakland and Richmond. The Division will also continue to ensure the Air District's Wildfire Air Quality Response Program achieves its mission through establishing program elements to prepare, prevent and respond to wildfire smoke impacts within the region. Other significant air programs requiring Division resources include investigations of Title V deviation reporting, the Portable Equipment Registration Program (PERP), Asbestos projects (renovations, demolitions and naturally occurring asbestos – NOA), compliance determinations for State Air Toxics Control Measures (ATCMs) and Federal Maximum Available Control Technology (MACTs) for air toxics. The Division will continue the implementation and enforcement of the District's Commuter Benefits regulation, which targets employers with more than 50 employees within the Air District's jurisdiction.

During the coming year, Division programs will continue to focus on activities that support the District's commitment to achieving clean air to protect public health and the environment. The Division will implement the following programs:

- The Compliance Assistance Program will continue to develop *Compliance Advisories* for use by the Inspection staff, industry and the public. These will include several related to new and amended regulations and state Air Toxics Control Measures for stationary sources and some mobile sources. The program encompasses inspector training, support for various Division programs, dispatch activities, Compliance Assistance Advisories, and Industry Compliance Schools. The small business incentive program will provide financial incentives for small businesses to attend District-run Industry Compliance Schools to learn practical information on how to comply with District regulations and how compliance benefits not only their business, but also their community.
- The Compliance Assurance Program will continue both announced and unannounced inspections of air pollution sources to ensure compliance. Targeted strategies will be used to focus inspections to find non-compliance and reduce excess emissions. Sources include: Title V and Synthetic Minors permits, petroleum refineries, chemical plants, dry cleaners, gasoline dispensing facilities, autobody shops, asbestos renovations and demolitions, agricultural and prescribed burning, and other permitted sources. Staff will continue to plan, prepare, and respond to air pollution incidents and to work closely with other response agencies.
- The Enforcement Program will continue with a focus on major facility (Title V, Synthetic Minor) auditing and will strive to ensure compliance with all air quality regulations. Staff will work with the Legal Division to provide a strong deterrent to non-compliance and to apply the appropriate level of enforcement, proportional to the level of non-compliance. The Division will vigorously pursue violators who show a disregard for the law and well-being of the public. Air pollution complaints will be investigated to provide a high level of service to the public. Wood smoke patrols for excessive opacity and curtailment violations will be conducted for the fifth winter of the wood smoke regulation.

The Division's outreach, throughout the programs above, will continue to provide compliance assistance materials in foreign languages and translation services for the air pollution complaint process, and other public service access points at the Air District.



<b>Enforcement</b>		<b>401</b>
<b>Managing Division:</b> Compliance and Enforcement		
<b>Contact Person:</b> John Marvin		
<b>Program Purpose:</b> Enforce applicable Federal, State, and District air pollution regulations and permit conditions.		
<b>Description of Program:</b> The Enforcement Program consists of activities designed to respond when sources are found in violation of applicable Federal, State and Air District regulations and permit conditions. A strong, technically-based enforcement program provides both an essential deterrent to continued or future non-compliance as well as consistency in enforcement practices throughout the regulated community. This program includes all Division activities necessary to address non-compliance, including issuing Notices of Violation (NOV) and Notices to Comply (NTC), identifying causes and solutions for non-compliance, developing enforcement cases for legal action, and providing testimony during hearings and court cases. Other elements of the program include responding to the public's air pollution complaints, returning sources to compliance, and supporting enforcement of the variance and abatement order process. In addition, the toxic air contaminant activities, such as mobile source enforcement of diesel particulate matter ATCMs and asbestos demolition/renovation enforcement, ensure compliance with Federal, State and District regulations to protect the public from exposure to known carcinogens. Oversight of the Division's Safety Program is coordinated with the training functions in Program 402.		
<b>Justification of Change Request:</b>		
<b>ACTIVITIES</b>		
Investigate, issue, and process NOVs and NTCs; re-inspect sources to verify compliance status after issuance. Work with Legal Division to procure penalty settlement and/or successful prosecution.		
Receive and investigate citizen inquiries and general air pollution complaints. Respond to these complaints as soon as possible where highest priority response is given to ongoing complaints alleged against potential nuisance sites.		
Prepare enforcement cases in coordination with Legal Division, conduct/coordinate investigations to support their development for legal actions.		
Provide technical analysis and support for variances, abatement orders, and permit appeals to the Hearing Board. Prepare weekly District position report on all matters before the Hearing Board. Ensure that increments of progress from variances, abatement orders, consent decrees, enforcement agreements, or settlement agreements are being met.		
Asbestos regulations enforcement: issue and process NOVs, investigate air pollution complaints; handle inquiries. Conduct Demo/Reno outreach to city building departments, fire departments, and other stakeholders as needed. Attend environmental task force meetings.		
Gasoline Dispensing Facilities (GDF) regulations enforcement: issue and process NOVs, investigate air pollution complaints, and conduct diagnostic testing. Assist operators with preventative maintenance and training.		
Woodsmoke regulation enforcement: conduct burn ban and opacity patrols based on received complaints; process NOVs.		
CARB Mobile Source regulations enforcement in CARE impacted areas with special focus on West Oakland and Richmond.		
Asbestos ATCM for Construction, Grading, Quarrying, and Surface Mining Operations regulation enforcement: issue and process NOVs for naturally occurring asbestos (NOA) construction projects, investigate air pollution complaints, and provide compliance assistance to construction project owner/operators		
Refinery Flares: review, comment, approve and enforce provisions in Regulation 12, Rules 11 and 12.		
Participate in inter-agency environmental task force programs to coordinate District enforcement activities with other County/State/Federal governmental agencies.		
Provide staff at community meetings to present information on the complaint process, enforcement activities, etc.		
<b>MAJOR OBJECTIVES</b>		<b>Delivery Date</b>

**Enforcement**

**401**

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		24.45	27.89	27.47	(0.42)	(1.49%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$2,544,505	\$2,925,699	\$2,904,030	(\$21,668)	(0.74%)
Overtime Salaries	51150	\$55,378	\$113,850	\$117,000	\$3,150	2.77%
Temporary Salaries	51200	\$49,948	\$5,500	\$5,500		
Payroll Taxes	51300	\$39,303	\$43,542	\$43,295	(\$248)	(0.57%)
Pension Benefits	51400	\$441,007	\$568,230	\$619,216	\$50,986	8.97%
FICA Replacement Benefits	51500	\$27,912	\$47,965	\$48,183	\$219	0.46%
Group Insurance Benefits	51600	\$394,162	\$523,066	\$541,345	\$18,279	3.49%
Employee Transportation Subsidy	51700	\$29,218	\$17,347	\$33,502	\$21,155	121.96%
Workers' Compensation	51800	\$7,689	\$16,155	\$15,600	(\$555)	(3.43%)
Other Post-Employment Benefits	51850	\$264,597	\$280,958	\$271,309	(\$9,650)	(3.43%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$3,853,718	\$4,512,311	\$4,603,980	\$61,668	1.36%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$3,304	\$18,800	\$18,800		
Travel Out-Of-State	52225		\$1,450	\$1,450		
Training & Education	52300	\$3,602	\$6,790	\$6,790		
Repair & Maintenance (Equipment)	52400	\$1,164	\$108,000	\$108,000		
Communications	52500	\$8,273	\$137,000	\$137,000		
Building Maintenance	52600	\$615	\$2,500	\$2,500		
Utilities	52700	\$1,934	\$4,000	\$4,000		
Postage	52800					
Printing & Reproduction	52900	\$143	\$2,000	\$2,000		
Equipment Rental	53100					
Rents & Leases	53200	\$57,601	\$69,600	\$71,850	\$2,250	3.23%
Professional Services & Contracts	53300		\$9,590	\$9,590		
General Insurance	53400					
Shop & Field Supplies	53500	\$30,763	\$16,500	\$16,500		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$2,000	\$2,000		
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200		\$1,000	\$1,000		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$187,398	\$379,230	\$381,480	\$2,250	0.59%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125	\$42,942	\$47,830		(\$47,830)	(100.00%)
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$42,942	\$47,830		(\$47,830)	(100.00%)
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$4,084,059	\$4,969,371	\$4,985,460	\$16,088	0.32%

<b>Compliance Assistance &amp; Operations</b>		<b>402</b>
<b>Managing Division:</b> Compliance and Enforcement		
<b>Contact Person:</b> Juan Ortellado		
<b>Program Purpose:</b> Promote compliance with Air District regulations through program development and industry/source education.		
<b>Description of Program:</b> The Compliance Assistance and Operations Program provides both industry and Compliance and Enforcement Division (Division) staff with the necessary tools to promote compliance with air quality requirements. The Program also provides educational materials and conducts outreach to the public to promote compliance with the woodsmoke reduction program. In support of the woodsmoke reduction program, the Program maintains both an online and phone Woodsmoke Complaint System for the public to register complaints. The Program also manages a dispatch system for all general complaints from the public. Industry Compliance Schools (ICS), including a Small Business ICS incentive program, are offered for businesses. Compliance Advisories, fact sheets and other educational materials are provided to industry and trade associations. Regulatory questions are answered via a dedicated compliance assistance telephone line. In-service training ensures consistent and appropriate inspection activities. Mobile source compliance activities are conducted pursuant to the Air District's Mobile Source Compliance Plan. Partnerships with other public agencies promote multi-media pollution prevention through local Green Business programs and other activities. Support is provided for all Division air programs, and for the public and industry.		
<b>Justification of Change Request:</b> With new staff joining the Division, there is a need for additional funding to provide relevant internal training events, like the 40-hour HAZWOPER, and attend external training opportunities, such as the annual California Association of Air Pollution Control Officers (CAPCOA) Enforcement Symposium and other training events like the Odor Conference. Division staff have assumed new responsibilities in the CAPCOA Vapor Recovery Sub-Committee, which also results in the need for additional travel funding.		
<b>ACTIVITIES</b>		
Compliance Assistance to Industry: provide small- and medium-sized businesses with specialized educational and technical assistance to achieve and maintain compliance. Develop Compliance Assistance materials for specific business sectors and the public (woodsmoke). Provide compliance assistance during routine inspections and following enforcement action. Compliance assistance is also provided for all air quality complaints for the public through dispatch or other 1-800 or 1-877 telephone line systems. Outreach is conducted for compliance assistance for several programs, including mass-mailings of woodsmoke reduction program brochures and educational materials in sensitive wood smoke areas. Division staff identify and translate Compliance Assistance materials for small business and other industry sectors where non-English speaking operators need additional assistance.		
Develop and maintain Division Policies and Procedures and other documents/processes to ensure consistent application of enforcement activities. Conduct ICS for small businesses and other regulated industries. Build partnerships with other public and community organizations to strengthen compliance assistance activities. Conduct compliance assistance and enforcement activities for the woodsmoke reduction and mobile source enforcement programs. Maintain compliance assistance hotline during core business hours and provide staff for speaker's bureau. Promote pollution prevention through multi-media collaboration and coordination with local County Green Business Program Coordinators and the Association of Bay Area Governments (ABAG).		
Training and Safety: provide staff with pertinent classes, educational materials and a robust safety curriculum to support core activities. Maintain ongoing Safety Training and implement new OSHA requirements as needed.		
Operations: develop and maintain air programs to support Air District and California Air Resources Board (CARB) rule requirements, including but not limited to woodsmoke, flare monitoring, asbestos demolition/renovation, naturally occurring asbestos, boilers, open burning, reportable compliance activities, soil aeration and mobile source(s) compliance. Provide equipment and capital management for communication, computers and related devices. Provide multilingual services to access all Division programs. Review, analyze and process petitions, plans, complaints, Reportable Compliance Activities (RCAs - e.g., breakdowns, Ground-level monitor (GLM) releases, non-operational monitors, pressure relief valve releases) and other notifications received.		
<b>MAJOR OBJECTIVES</b>		<b>Delivery Date</b>

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		18.67	17.68	20.79	3.11	17.59%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$1,764,643	\$1,806,487	\$2,055,143	\$248,656	13.76%
Overtime Salaries	51150	\$6,097				
Temporary Salaries	51200	\$66,525				
Payroll Taxes	51300	\$27,269	\$25,807	\$29,353	\$3,546	13.74%
Pension Benefits	51400	\$294,540	\$353,138	\$438,493	\$85,355	24.17%
FICA Replacement Benefits	51500	\$19,477	\$30,412	\$36,466	\$6,054	19.91%
Group Insurance Benefits	51600	\$274,905	\$346,797	\$391,144	\$44,347	12.79%
Employee Transportation Subsidy	51700	\$21,371	\$19,146	\$29,139	\$9,993	52.19%
Workers' Compensation	51800	\$5,332	\$10,243	\$11,807	\$1,564	15.27%
Other Post-Employment Benefits	51850	\$183,501	\$178,134	\$205,333	\$27,199	15.27%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$2,663,660	\$2,770,164	\$3,196,879	\$426,715	15.40%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$3,700	\$8,000	\$9,200	\$1,200	15.00%
Travel Out-Of-State	52225		\$6,000	\$7,000	\$1,000	16.67%
Training & Education	52300	\$7,774	\$14,000	\$17,000	\$3,000	21.43%
Repair & Maintenance (Equipment)	52400		\$4,000	\$4,000		
Communications	52500	\$30,723	\$128,000	\$128,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800	\$4,265	\$15,000	\$15,000		
Printing & Reproduction	52900	\$1,431	\$8,000	\$8,000		
Equipment Rental	53100					
Rents & Leases	53200		\$500	\$500		
Professional Services & Contracts	53300	\$16,987	\$30,000	\$30,000		
General Insurance	53400					
Shop & Field Supplies	53500	\$837				
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$1,000	\$1,000		
Stationery & Office Supplies	53900	\$2,877	\$4,000	\$4,000		
Books & Journals	54100					
Minor Office Equipment	54200	\$1,646	\$1,500	\$1,500		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$70,240	\$220,000	\$225,200	\$5,200	2.36%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110	\$11,784				
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125	\$31,799				
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$43,583				
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$2,777,484	\$2,990,164	\$3,422,079	\$431,915	14.44%

COMPLIANCE ASSURANCE		403
<b>Managing Division:</b> Compliance and Enforcement		
<b>Contact Person:</b> Richard Lew		
<b>Program Purpose:</b> Conduct compliance inspections and to ensure compliance with Air Quality regulations to achieve emission reductions.		
<b>Description of Program:</b> The Inspection Program's goal is to ensure that facilities operate and maintain their equipment and processes in compliance with all applicable Federal, State and District Regulations and Permit conditions through continuing on-site visits by Inspection staff. Facilities inspected range from refineries, chemical plants, and high-technology industries, including small businesses such as gas stations, auto body shops, and dry cleaners. Additionally, strict enforcement of Toxic and Hazardous Material Regulations such as asbestos and diesel particulate rules has greatly minimized the public's risk and exposure to carcinogens. This program includes rapid response to incidents involving accidental emission of air pollutants, investigation to determine cause, and recommendations necessary to prevent recurrence. Incidents range from community odor episodes to releases of potentially hazardous pollutants from publicly-owned and private industrial sources. The program includes coordination with other agency responders, which work to ensure that response is complete, and that the public is protected to the greatest extent possible.		
<b>Justification of Change Request:</b> None.		
<b>Activities</b>		
Refinery Inspection Program for Regulatory and Title 5 Permit Compliance.		
Title V Inspections Program / EPA Grant / Aerometric Information Retrieval System (AIRS) and audits.		
Synthetic Minor Inspection Program.		
Initiate response to major air pollution incidents as soon as possible, and within minutes of notification, provide technical assistance and support to first response agencies during and after incidents; prepare incident reports.		
Asbestos, Grant, diesel PM, and Refrigeration Management Inspections Program.		
Conduct targeted auto body painting facility inspections.		
State Portable Equipment Inspection Program.		
Gasoline Dispensing Facilities (GDFs) Inspections Program.		
Inspection Communications / Computer Programs.		
Conduct targeted prescribed burns, Title 17/ Regulation 5 Open Burning inspections.		
Perform analysis as required to track and analyze existing process safety management (PSM) programs, Federal and State risk management programs (RMP/RMPP); work with other agencies to improve programs.		
Participate in interagency activities, such as County environmental task forces, incident response teams, and other activities relating to prevention, preparedness and emergency response.		
Conduct targeted inspections at refinery/chemical plants and general facilities.		
Staff air quality related community meetings to provide information on District Programs		
<b>MAJOR OBJECTIVES</b>		<b>Delivery Date</b>
Refinery Inspection Program: Conduct compliance inspections and program audits of refineries and determine if Title V Permit Compliance are being met.		Yearly
Prepare and submit required reports to EPA, Negotiation of EPA 105 Grant Program Outputs.		10/1/2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		40.14	46.12	42.45	(3.67)	(7.95%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$4,195,587	\$4,765,872	\$4,615,210	(\$150,662)	(3.16%)
Overtime Salaries	51150	\$69,864	\$57,948		(\$57,948)	(100.00%)
Temporary Salaries	51200	\$27,255	\$18,404		(\$18,404)	(100.00%)
Payroll Taxes	51300	\$64,616	\$69,202	\$66,009	(\$3,193)	(4.61%)
Pension Benefits	51400	\$672,766	\$928,008	\$988,656	\$60,649	6.54%
FICA Replacement Benefits	51500	\$45,932	\$79,197	\$74,459	(\$4,738)	(5.98%)
Group Insurance Benefits	51600	\$648,377	\$858,265	\$830,247	(\$28,018)	(3.26%)
Employee Transportation Subsidy	51700	\$48,470	\$42,487	\$39,498	\$17,010	40.04%
Workers' Compensation	51800	\$12,678	\$26,718	\$24,107	(\$2,610)	(9.77%)
Other Post-Employment Benefits	51850	\$436,290	\$464,656	\$419,259	(\$45,397)	(9.77%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$6,221,834	\$7,310,756	\$7,077,445	(\$233,310)	(3.19%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$8,086	\$10,000	\$10,000		
Travel Out-Of-State	52225	\$2,412	\$2,550	\$2,550		
Training & Education	52300	\$4,439	\$5,168	\$5,168		
Repair & Maintenance (Equipment)	52400	\$5,493	\$60,000	\$60,000		
Communications	52500	\$46,890	\$65,000	\$65,000		
Building Maintenance	52600	\$3,383	\$4,000	\$4,000		
Utilities	52700	\$8,059	\$3,000	\$3,000		
Postage	52800					
Printing & Reproduction	52900	\$790	\$1,000	\$1,000		
Equipment Rental	53100					
Rents & Leases	53200	\$79,568	\$89,100	\$89,100		
Professional Services & Contracts	53300	\$52,192	\$15,500	\$15,500		
General Insurance	53400					
Shop & Field Supplies	53500	\$43,575	\$26,000	\$26,000		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700	\$20				
Computer Hardware & Software	53800	\$4,177	\$23,000	\$23,000		
Stationery & Office Supplies	53900	\$2,193	\$2,300	\$2,300		
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$259,277	\$306,618	\$306,618		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125		\$120,600		(\$120,600)	(100.00%)
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>			\$120,600		(\$120,600)	(100.00%)
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$6,481,111	\$7,737,974	\$7,384,063	(\$353,910)	(4.57%)

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## ENGINEERING DIVISION

Engineering Division (Division) gives high priority to the timely review of New Source Review permit applications and permit renewals. The typical application evaluation includes analyzing emissions impacts and determining compliance with applicable air quality requirements, including Best Available Control Technology (BACT), 'No Net Increase' offset requirements, New Source Review (NSR) of Toxic Air Contaminants (TACs) and California Environmental Quality Act (CEQA). There are about 10,000 facilities with about 22,000 devices and operations that have Air District permits. The Division also produces an annual stationary source emissions inventory for submittal to the California Air Resources Board (CARB) and the Environmental Protection Agency.

The Division processes, reviews, issues, and renews Title V (Major Facility Review) permits. Title V permits are renewed every five years and are updated to reflect changes that occur at the facilities. The Division will continue to implement the streamlining measures to improve the program.

The Division continues to transition to the Production System, which includes an online system for the regulated community. These tools will increase consistency, efficiency and accuracy by allowing customers to submit applications, report data for the emissions inventory, pay invoices and renew permits through an online interface. The Division is working to expand the functionality so that large, complex facilities will have their emissions inventory and permitting managed through the new system.

The Division is working on projects associated with the petroleum refineries, including developing improved emission factors for fugitive emission leaks from heavy liquid service components and implementing the Regulation 12, Rule 15 emission inventory guidelines. As required by Regulation 12, Rule 15, the Division is reviewing Annual Emissions Inventories, from the five refineries and their support facilities, and addressing deficiencies related to these submittals.

Senate Bill 1 (SB 1) and the State's expanded waste and organics diversion requirements will increase Bay Area permit activity substantially. The Division will work to process these applications and will be updating and developing emissions factors, Permit Handbook chapters, and BACT for landfills, green waste, material recovery facilities, composting, and asphalt/concrete facilities, to streamline permitting and provide consistency.

The Division implements Regulation 11, Rule 18, Reduction of Risk from Air Toxic Emissions at Existing Facilities. In the first phase, the Division expects to refine toxic emissions and prioritization scores for approximately 43 facilities, out of which an estimated 30 facilities are expected to undergo refined health risk assessments (HRAs). HRAs will be conducted to determine if the facilities are subject to the risk reduction requirements of this rule.

The Division implements the State Air Toxics "Hot Spots" Program, which applies to existing facilities that emit Toxic Air Contaminants (TACs). Adopted in 1987 in response to public concern about TAC emissions, this program requires facilities to report their TAC emissions to the Air District and CARB.

The Division is participating in the Air District's Assembly Bill 617 (AB 617) implementation, which includes a new Community Health Protection Program to benefit communities most directly affected by air pollution. The Division participates in the workgroups for the CARB BARCT/BACT Technology Clearinghouse, Technical Assessment Coordination, and Emissions Inventory with CARB and other air districts. Through CAPCOA, a uniform method of emissions reporting is being developed. The Division participates in AB 617 workgroups, including: West Oakland Action Plan, Monitoring Plan, Community Prioritization Plan and various implementation as part of the project oversight team.

The Division provides technical support to other divisions, agencies and programs, including rule development, emissions inventory, enforcement actions, the Technology Implementation Office, and the Air District's Regional Climate Action Plan. Key rule development efforts include Regulation 3 (Fees), amendments to Regulation 13 (climate pollutants), and rules to implement Expedited Best Available Retrofit Control Technology (BARCT).

To improve consistency and efficiency, the Division is developing a formal training program and updating policies, procedures, permit manuals and permit templates.

The Division provides quality customer service to industry and the public.



<b>Permit Evaluation</b>		<b>501</b>
<b>Managing Division:</b>		
Engineering		
<b>Contact Person:</b>		
Nicholas Maiden		
<b>Program Purpose:</b>		
Evaluate all Non-Title V permit applications. Review and process data updates and permit renewals.		
<b>Description of Program:</b>		
<p>The Permit Evaluation Program involves activities related to the evaluation of permit applications submitted to the District (except Title V permit applications, which are covered under Program 506). This includes applications for: (1) new/modified sources subject to District New Source Review requirements, (2) emissions banking, (3) Interchangeable Emission Reduction Credits (IERCs), and (4) Prevention of Significant Deterioration (PSD) &amp; Acid Rain permits. Staff calculates emissions and evaluates compliance with regulatory requirements, including case-by-case Best Available Control Technology (BACT) and offset determinations. The program includes California Environmental Quality Act (CEQA) review and Climate Protection activities related to permitted sources.</p> <p>The Permit Renewal Program involves activities related to the annual renewal of District permits. The permit renewal process involves collection of data needed to update the Air District's emissions inventory, review of permit conditions, preparation of permit fee invoices, reconciliation of discrepancies and issuance of permit documents. Information gathered during this process is used for planning and rule development may also result in enforcement action or additional permitting.</p>		
<b>Justification of Change Request:</b>		
Not applicable		
<b>Activities</b>		
Evaluate all non-Title V permit applications (1,500 estimated)		
Complete CEQA-review functions.		
Provide technical support to all divisions including estimating emissions, rule/condition interpretations and rule development.		
Assist other agencies, industry and the public.		
Participate in cross-agency committees such as California Air Pollution Controls Officers Association (CAPCOA), Engineering Managers' Subcommittee and National Association of Clean Air Agencies (NACAA).		
Support implementation of rules (e.g., Refinery Regulations, GHG Regulations).		
Request, enter and review annual data update requests. Review and maintain permit conditions. Review permit renewal invoice program.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Ensure the timely workflow of the permit renewal program		Ongoing
Implement Regulation 12-15 Petroleum Refining Emissions Tracking Emission Inventory Guidelines		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		28.10	34.22	38.44	4.22	12.33%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$3,380,553	\$4,098,922	\$4,747,328	\$648,405	15.82%
Overtime Salaries	51150	\$45,183	\$40,000	\$40,000		
Temporary Salaries	51200	\$42,472	\$64,048	\$64,048		
Payroll Taxes	51300	\$52,076	\$59,661	\$68,988	\$9,326	15.63%
Pension Benefits	51400	\$544,450	\$1,111,831	\$1,324,517	\$212,686	19.13%
FICA Replacement Benefits	51500	\$36,848	\$58,921	\$67,425	\$8,504	14.43%
Group Insurance Benefits	51600	\$520,323	\$632,352	\$678,451	\$46,098	7.29%
Employee Transportation Subsidy	51700	\$46,833	\$58,021	\$53,878	(\$4,144)	(7.14%)
Workers' Compensation	51800	\$10,215	\$19,826	\$21,830	\$2,004	10.11%
Other Post-Employment Benefits	51850	\$351,536	\$344,799	\$379,654	\$34,855	10.11%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$5,030,489	\$6,488,382	\$7,446,118	\$957,736	14.76%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,064	\$13,000	\$13,000		
Travel Out-Of-State	52225	\$1,667				
Training & Education	52300	\$2,485	\$2,464	\$2,464		
Repair & Maintenance (Equipment)	52400					
Communications	52500		\$110	\$110		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$2,350				
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$97,233	\$401,059	\$401,059		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$2,000	\$2,000		
Stationery & Office Supplies	53900					
Books & Journals	54100		\$200	\$200		
Minor Office Equipment	54200		\$368	\$368		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$104,799	\$419,201	\$419,201		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$5,135,288	\$6,907,583	\$7,865,319	\$957,736	13.86%

<b>Permit Renewals</b>	<b>502</b>
<b>Managing Division:</b> Engineering	
<b>Contact Person:</b> Nicholas Maiden	
<b>Program Purpose:</b>	
<b>Description of Program:</b>	
<b>Justification of Change Request:</b> Program 502 was merged with program 501	
<b>Activities</b>	
<b>Major Objectives</b>	
	<b>Delivery Date</b>

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Permit Renewals

502

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		5.15	7.32		(7.32)	(100.00%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$490,800	\$824,274		(\$824,274)	(100.00%)
Overtime Salaries	51150	\$592	\$4,338		(\$4,338)	(100.00%)
Temporary Salaries	51200	\$28,654				
Payroll Taxes	51300	\$7,571	\$11,854		(\$11,854)	(100.00%)
Pension Benefits	51400	\$85,700	\$158,897		(\$158,897)	(100.00%)
FICA Replacement Benefits	51500	\$5,416	\$12,594		(\$12,594)	(100.00%)
Group Insurance Benefits	51600	\$76,490	\$125,251		(\$125,251)	(100.00%)
Employee Transportation Subsidy	51700	\$5,665	\$9,788		(\$9,788)	(100.00%)
Workers' Compensation	51800	\$1,483	\$4,241		(\$4,241)	(100.00%)
Other Post-Employment Benefits	51850	\$51,037	\$73,753		(\$73,753)	(100.00%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$753,410	\$1,224,990		(\$1,224,990)	(100.00%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$24				
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300					
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$24				
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$753,434	\$1,224,990		(\$1,224,990)	(100.00%)

<b>Air Toxics</b>	<b>503</b>
<b>Managing Division:</b> Engineering	
<b>Contact Person:</b> Sanjeev Kamboj	
<b>Program Purpose:</b> To develop and implement an effective air toxics control strategy that integrates Federal, State, and local requirements.	
<b>Description of Program:</b> The Air Toxics Program involves the integration of Federal and State air toxics mandates with local goals that have been established by the Air District's Board of Directors. The program includes air toxics new source review (NSR), reduction of risk from existing facilities (Regulation 11, Rule 18), air toxics control measures, the Air Toxics "Hot Spots" Program, which includes maintaining an air toxics emissions inventory and research for alternative methods of reducing emissions. Staff provides modeling of emissions as needed.	
<b>Justification of Change Request:</b>	
<b>Activities</b>	
Perform health risk screening for new/modified permit applications, and more detailed health risk assessments (HRAs) as required (250 estimated).	
Implement Regulation 11, Rule 18, Reduction of risk from air toxic emissions at existing facilities. Refine toxics emission inventory, prioritization scores and perform approximately 160 refined facility-wide HRAs to determine if these facilities are subject to Rule 11-18.	
Review health risk assessments and Prevention of Significant Deterioration (PSD) modeling analyses for major permit applications.	
Maintain air toxics emissions inventory.	
Complete annual air toxics prioritization, Assembly Bill 2538 (AB2588), and review any new health risk assessments that may be required. Coordinate public notification and risk reduction audits.	
Coordinate with Planning staff regarding data needs for updated California Environmental Quality Act (CEQA), Guidelines and Thresholds of Significance.	
Publish periodic Air Toxics Emissions and Air Toxics Control Program Report.	
Conduct studies that reduce toxic air pollution.	
Support rule development efforts for reducing PM <sub>2.5</sub> once health effect values for PM <sub>2.5</sub> become available from Office of Environmental Health Hazard Assessment (OEHHA).	
<b>Major Objectives</b>	<b>Delivery Date</b>
Implement Phase 1 of Regulation 11, Rule 18, Reduction of Risk from Air Toxic Emissions at Existing Facilities	Ongoing
Continue to collect GDF risk data to incorporate 2015 OEHHA HRA guidelines for gas stations in the Toxics NSR Rule 2-5	Ongoing
Support Air District's AB 617 activities.	Ongoing
Prepare and submit annual toxic emissions data (AB2588) to California Air Resources Board.	4/15/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		8.01	7.36	5.30	(2.06)	(27.97%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$987,844	\$925,103	\$779,321	(\$145,782)	(15.76%)
Overtime Salaries	51150	\$1,381	\$8,000	\$8,000		
Temporary Salaries	51200					
Payroll Taxes	51300	\$15,251	\$13,369	\$11,302	(\$2,066)	(15.46%)
Pension Benefits	51400	\$174,501	\$182,211	\$170,984	(\$11,227)	(6.16%)
FICA Replacement Benefits	51500	\$10,984	\$12,646	\$9,296	(\$3,350)	(26.49%)
Group Insurance Benefits	51600	\$155,022	\$118,195	\$100,175	(\$18,020)	(15.25%)
Employee Transportation Subsidy	51700	\$12,432	\$13,705	\$7,428	(\$6,276)	(45.80%)
Workers' Compensation	51800	\$2,985	\$4,263	\$3,010	(\$1,253)	(29.39%)
Other Post-Employment Benefits	51850	\$102,724	\$74,134	\$52,346	(\$21,788)	(29.39%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,463,124	\$1,751,625	\$1,141,862	(\$209,762)	(15.52%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,644	\$1,300	\$1,300		
Travel Out-Of-State	52225		\$750	\$750		
Training & Education	52300	\$1,151	\$4,600	\$4,600		
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800		\$39,940	\$39,940		
Printing & Reproduction	52900		\$7,000	\$7,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$1,140	\$1,000	\$1,000		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$4,000	\$4,000		
Stationery & Office Supplies	53900		\$300	\$300		
Books & Journals	54100					
Minor Office Equipment	54200		\$400	\$400		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$3,936	\$59,290	\$59,290		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$1,467,060	\$1,410,915	\$1,201,152	(\$209,762)	(14.87%)

<b>Permit Operations</b>		<b>504</b>
<b>Managing Division:</b> Engineering		
<b>Contact Person:</b> Fred Tanaka		
<b>Program Purpose:</b> Development and maintenance of permitting systems		
<b>Description of Program:</b> The Permit Operations program involves the collection, updating and maintenance of data for permitted sources of air pollution, and the development and maintenance of systems to manage these data. Data include source locations, operational data, emission factors, emissions inventory, emissions banking and "no net increase" tracking. Additional program activities include maintaining procedures, coordination & tracking of permit-related activities, general office activities and customer support.		
<b>Justification of Change Request:</b> Not applicable		
<b>Activities</b>		
Process and maintain data from permitted facilities.		
Update and correct data from permitted facilities.		
Maintain and update database systems.		
Maintain program forms.		
Manage and improve data quality.		
Provide administrative permit activities.		
Maintain permit tracking and management programs.		
Maintain emissions bank and small facility bank.		
Maintain division pages on website.		
Manage division records including metadata and documents.		
Provide customer support.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Produce annual stationary source emissions inventory to California Air Resources Board (CARB) and EPA		1/31/2020

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		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.89	4.45	7.08	2.63	59.10%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$380,369	\$532,157	\$708,561	\$176,403	33.15%
Overtime Salaries	51150	\$1,269	\$5,000	\$5,000		
Temporary Salaries	51200					
Payroll Taxes	51300	\$5,843	\$7,691	\$10,195	\$2,503	32.55%
Pension Benefits	51400	\$72,501	\$103,045	\$151,237	\$48,192	46.77%
FICA Replacement Benefits	51500	\$4,167	\$7,661	\$12,419	\$4,758	62.11%
Group Insurance Benefits	51600	\$58,823	\$71,050	\$138,241	\$67,191	94.57%
Employee Transportation Subsidy	51700	\$5,565	\$6,098	\$9,923	\$3,825	62.73%
Workers' Compensation	51800	\$1,149	\$2,578	\$4,021	\$1,443	55.96%
Other Post-Employment Benefits	51850	\$39,554	\$44,836	\$69,926	\$25,090	55.96%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$569,240	\$780,116	\$1,109,522	\$329,406	42.23%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$40				
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800	\$109				
Printing & Reproduction	52900	\$76,819	\$75,166	\$75,166		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$140	\$12,255	\$12,255		
General Insurance	53400					
Shop & Field Supplies	53500	\$897	\$4,151	\$4,151		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$1,021	\$1,021		
Stationery & Office Supplies	53900	\$484				
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$78,490	\$92,593	\$92,593		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$647,730	\$872,709	\$1,202,115	\$329,406	37.75%



<b>Title V</b>	<b>506</b>
<b>Managing Division:</b> Engineering	
<b>Contact Person:</b> Sanjeev Kamboj	
<b>Program Purpose:</b> Implementation of Federal Operating Permit Program for Major Facilities.	
<b>Description of Program:</b> The Title V program involves activities related to Title V of the Federal Clean Air Act (CAA), which requires the Air District to issue federally enforceable permits to major and other designated facilities. The program is intended to enhance compliance with the CAA via permits that explicitly include all Federal, State, and Air District requirements applicable to sources of air pollution at subject facilities.	
<b>Justification of Change Request:</b>	
<b>Activities</b>	
Evaluate and process Title V applications (initial, revisions and renewals).	
Conduct Title V outreach activities and public hearings, as needed.	
Provide Title V training to the Air District staff.	
Track EPA rulemaking related to Title V, Section 112, compliance monitoring and acid rain.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Implement streamlining measures and ensure timely issuance of the Title V applications.	Ongoing

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		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		4.46	6.00	5.15	(0.85)	(14.17%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$526,822	\$763,059	\$660,087	(\$102,972)	(13.49%)
Overtime Salaries	51150	\$780	\$66,330	\$66,330		
Temporary Salaries	51200		\$8,006	\$8,006		
Payroll Taxes	51300	\$8,106	\$12,011	\$10,539	(\$1,472)	(12.26%)
Pension Benefits	51400	\$85,072	\$151,038	\$143,095	(\$7,943)	(5.26%)
FICA Replacement Benefits	51500	\$5,714	\$10,340	\$9,033	(\$1,307)	(12.64%)
Group Insurance Benefits	51600	\$80,656	\$107,759	\$102,013	(\$5,746)	(5.33%)
Employee Transportation Subsidy	51700	\$6,909	\$11,356	\$7,218	(\$4,138)	(36.44%)
Workers' Compensation	51800	\$1,592	\$3,476	\$2,925	(\$551)	(15.86%)
Other Post-Employment Benefits	51850	\$54,783	\$60,453	\$50,864	(\$9,589)	(15.86%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$770,434	\$1,193,828	\$1,060,109	(\$133,719)	(11.20%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$378	\$378		
Travel Out-Of-State	52225					
Training & Education	52300		\$907	\$907		
Repair & Maintenance (Equipment)	52400					
Communications	52500		\$530	\$530		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$15,130	\$28,873	\$28,873		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300		\$402,723	\$402,723		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$919	\$919		
Stationery & Office Supplies	53900					
Books & Journals	54100		\$613	\$613		
Minor Office Equipment	54200		\$185	\$185		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$15,130	\$435,128	\$435,128		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$785,564	\$1,628,956	\$1,495,237	(\$133,719)	(8.21%)

Engineering Special Projects		507
<b>Managing Division:</b> Engineering		
<b>Contact Person:</b> Fred Tanaka		
<b>Program Purpose:</b> Develop the infrastructure for consistent and efficient permit evaluation and processing, and complete projects intended to develop and improve programs within the Engineering Division.		
<b>Description of Program:</b> The Engineering Special Projects program involves activities that are intended to ensure consistent efficient, and high-quality, permit evaluation and processing. This includes the development of permit rules, policies, procedures, training and tools within the division. The program involves the deployment of the Production System including an online portal for customer to submit information electronically. Goals of the program include the reduction of time and effort needed to evaluate and issue permit applications, and the improvement of the quality of permit services provided such as training and tools for internal and external customers.  The program also implements public noticing, public records fulfillment and other projects not specified in other Division programs. Planning and implementation of AB 617 activities are also handled in this program.		
<b>Justification of Change Request:</b> Not applicable		
<b>Activities</b>		
Develop and maintain District permit rules, policies and procedures.		
Coordinate review and modification of standard permit conditions.		
Update permitting tools such as Permit Handbook, Best Available Control Technology (BACT) and Toxic Best Available Control Technology (TBACT) Workbook documents.		
Improve division business processes.		
Review and improve the point source emissions inventory.		
Manage training program.		
Coordinate Public Noticing activities.		
Process Public Records Requests for division records.		
Update emissions factors, permit handbook chapters, and BACT workbook to streamline applications and provide consistency for Asphalt and Concrete applications.		
Develop/update a permitting program for landfills, green waste, material recovery facilities and composting which includes emissions factors, permit handbook chapters, and BACT workbook to streamline permitting and increase consistency.		
Implement AB 617 work including inventory, rule development, technology clearinghouse development, community risk reduction and re-envisioning of permitting in impacted communities.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Complete and submit Interchangeable Emission Reduction Credit (IERC) report to California Air Resources Board (CARB).		3/1/2020
Complete and submit Offset Equivalence report for EPA.		3/1/2020
Develop permit program for large wine producers.		5/1/2020
Implement New Production System functionality.		ongoing
Implement AB 617 work (inventories, rule development, technology clearinghouse development, community risk reduction, re-envisioning of permitting in impacted communities)		6/30/2020
With increased waste and organics diversion requirements by the State, the Organics Recovery Program will be developed to streamline permitting and increase consistency. Emissions factors, permit handbook chapters, and BACT will be updated and/or developed for landfills, green waste, material recovery facilities and composting.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.27	2.82	3.67	0.85	30.14%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$340,797	\$368,072	\$479,821	\$111,750	30.36%
Overtime Salaries	51150	\$2,659	\$5,000	\$5,000		
Temporary Salaries	51200					
Payroll Taxes	51300	\$5,244	\$5,348	\$6,951	\$1,603	29.98%
Pension Benefits	51400	\$55,242	\$71,691	\$102,313	\$30,622	42.71%
FICA Replacement Benefits	51500	\$3,658	\$4,888	\$6,437	\$1,549	31.70%
Group Insurance Benefits	51600	\$51,734	\$50,433	\$73,770	\$23,337	46.27%
Employee Transportation Subsidy	51700	\$5,146	\$4,289	\$5,144	\$855	19.92%
Workers' Compensation	51800	\$1,030	\$1,634	\$2,084	\$450	27.57%
Other Post-Employment Benefits	51850	\$35,439	\$28,413	\$36,247	\$7,834	27.57%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$500,949	\$539,768	\$717,767	\$178,000	32.98%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$364	\$5,000	\$5,000		
Travel Out-Of-State	52225					
Training & Education	52300	\$64,964	\$65,000	\$65,000		
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$1,167	\$5,000	\$5,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$100	\$50,200	\$50,200		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$70,048	\$50,000	\$50,000		
General Insurance	53400					
Shop & Field Supplies	53500	\$8,376	\$10,000	\$10,000		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$23,357	\$60,000	\$60,000		
Stationery & Office Supplies	53900	\$5,241				
Books & Journals	54100		\$400	\$400		
Minor Office Equipment	54200	\$4,700	\$1,500	\$1,500		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$178,316	\$247,100	\$247,100		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$679,264	\$786,868	\$964,867	\$178,000	22.62%

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## ASSESSMENT, INVENTORY, AND MODELING DIVISION

The Assessment, Inventory, and Modeling Division prepares comprehensive source emission inventories for the Bay Area, conducts air quality modeling at both regional and community scales, and prepares technical assessments that combine modeling and measurements. Division staff coordinates and implements programs to improve and report estimates of emissions of criteria pollutants, toxic air contaminants, and climate forcing pollutants. Division staff assesses emissions, concentrations, and exposures of toxic air contaminants, particulate matter, ozone and their precursors, to support targeted strategies that reduce impacts of air pollution both regionally and within communities, especially where AB 617 community action plans are being developed. Division staff reviews and provides guidance on environmental health risk assessments within environmental review documents prepared pursuant to California Environmental Quality Act (CEQA).

In FYE 2020, staff will continue to implement the multi-pollutant Bay Area 2017 Clean Air Plan (2017 Plan), which addresses ozone, particulate matter, toxic air contaminants and greenhouse gases (GHGs). The 2017 Plan includes goals to attain all ambient air quality standards, eliminate disparities in health risk from air pollution, and reduce regional GHG emissions 40% below 1990 levels by 2030 and 80% below 1990 levels by 2050. To meet the requirements of AB 617, staff will work to produce technical assessments to support community air quality action plans, including: identifying and prioritizing impacted communities, coordinating with community co-leads Steering Committees to reduce emissions and exposures, and providing tools and products that inform local strategies.

In FYE 2020, staff will analyze aerometric data, conduct regional modeling, and apply statistical analyses to support the District's grant programs, rule development, permitting, climate protection, and planning activities. Staff will conduct source apportionment analyses and hybrid photochemical and dispersion modeling, characterize emissions and air quality, and assess air quality health impacts to support AB 617. Staff will continue to work with CARB, U.S. EPA, NOAA, NASA, Northern California air districts, and other stakeholders on the regional modeling, focused mainly on ozone, air toxics and PM. These studies involve field measurements, use of satellite data, emissions inventory development, modeling, and analysis of air quality and pollutant transport in North Central California. Staff will further improve modeling emissions estimates and continue conducting data analysis and modeling to better understand formation of fine and ultrafine PM, ozone and air toxics, and their health impacts in the Bay Area. Staff will investigate transport of pollutants between the Bay Area and neighboring regions and intercontinental transport of pollutants.

In FYE 2020, Division staff will continue work with other divisions on the technical analysis, outreach, and risk reduction components of the CARE Program. AB 617 will require an expansion of the CARE program's technical work, including: updates to regional-scale air toxics emissions estimates and modeling; an expanded program focused on local-scale emissions inventory development and modeling of air toxics and fine particulate matter; assessment via measurements and analyses in impacted communities of fine particulate matter and air toxic emissions and modeling; identifying impacted communities; and working with State agencies, cities, counties, local stakeholders and others to develop and implement community action plans. Division staff supports the work of other Divisions in reviewing health risk assessments within CEQA documents to provide comments where assessments are inconsistent with Air District guidance.

Many programs in the Division are supported by updating and reporting inventories of air pollutant emissions. In FYE 2020, Division staff will work with other divisions to review emissions inventory products and develop a quality assurance plan for them. Updated emissions methods and databases are needed for assessing impacts of pollution sources and to meet reporting and rule development requirements of the District. New requirements from CARB, posed by AB 617 and the Criteria and Toxic Report Rule, require annual emissions reports for toxics and criteria pollutants for major emitters and improved consistency in methods for estimating emissions across California's air districts. In FYE 2020, staff will conduct measurement studies of methane and other GHGs to support rule-making and compliance and enforcement efforts; and refine and maintain the Bay Area GHG emission inventory and improve GHG emissions forecasts. Staff will coordinate with other Divisions to develop improved methane emissions from the waste sector, including composting.

Source Inventories		601
<b>Managing Division:</b> Assessment, Inventory, and Modeling		
<b>Contact Person:</b> Phil Martien		
<b>Program Purpose:</b> Compile source inventories for criteria pollutants, toxic air contaminants (TACs) and greenhouse gases (GHGs) for planning, rule development, exposure assessments, and public information. Develop emissions forecasts to assist in developing effective projects and programs to reduce health risks from air pollution and to reduce levels of climate-forcing pollutants.		
<b>Description of Program:</b> Staff assigned to this program compiles an inventory of all significant sources of air pollution emissions (criteria pollutants, TAC, and GHGs) in the Bay Area, and estimates the quantity, timing, and spatial distribution of emissions from each source or category of sources. The inventory includes emissions from industrial sources, motor vehicles, commercial activities, agricultural activities, residential and consumer products, and natural sources. Source inventories are used as a starting point for preparing regional and local air quality plans and for developing rules to control emissions. Inventory calculations are also used to track progress in implementing plans and demonstrating attainment. To meet State requirements, the Source Inventories Program reports permitted source emissions to the California Air Resources Board (CARB) annually. CARB's newly adopted Criteria and Toxics Reporting Regulation will require additional staff time and resources to develop and report emissions from permitted facilities using methods standardized across California air districts. These emissions are, in turn, reported by CARB to the public and to U.S. EPA. Staff coordinates the development of emissions estimates for local-scale exposure assessments and for local air quality action plans required by Assembly Bill 617 (Garcia, 2017). Staff also prepares and maintains GHG emission inventories and forecasts for the region, with special, near-term focus on methane from permitted facilities, including composting facilities, landfills, and other waste-sector sources.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Prepare point and area source emissions estimates to report to CARB, including criteria pollutants, TAC, and GHG emissions. Coordinates with Engineering Division to ensure reports are consistent with the new Criteria and Toxics Reporting regulation.		
Provide inventory information to Air District staff to support various programs: Modeling and Analysis, Strategic Incentives Division, Rule Development, Communications, Community Engagement, Climate Protection, and CARE programs, including detailed local emissions for local air quality Action Plans.		
To support multiple Air District programs, refine and evaluate emissions estimates, with emphasis on non-CO2 GHGs such as methane, TAC, and fine particulate matter, incorporating new measurement and analysis techniques.		
Continue to develop the emissions inventory reporting platform, improving the District's ability to report and evaluate emissions inventory estimates.		
Refine GHG scenario forecasts to improve tracking of state, regional, and local GHG reduction measures and quantify the level of additional reductions needed to meet GHG reduction targets.		
Lead an Emissions Inventory Editorial Board at the Air District that implements staged improvements in methods for estimating and reporting emissions, adopting methods standardized across the State to meet AB 617 emissions reporting requirements.		
Provide emission inventory information requested by the public and by consultants.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Transmit detailed point and area source data to CARB's CEIDARS data base.		12/31/2019
In coordination with Climate Protection Program and other Divisions, incorporate measurements and/or new models to develop methane emissions estimates at Bay Area composting facilities.		3/31/2020
Develop activity datasets and methods to develop hyper-local emissions estimates to support AB 617 Community Action Plans.		6/30/2020

Source Inventories

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		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		4.40	5.81	6.20	0.39	6.65%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$579,508	\$731,102	\$832,239	\$101,137	13.83%
Overtime Salaries	51150	\$286				
Temporary Salaries	51200					
Payroll Taxes	51300	\$8,913	\$10,474	\$11,934	\$1,461	13.95%
Pension Benefits	51400	\$100,782	\$140,421	\$176,007	\$35,585	25.34%
FICA Replacement Benefits	51500	\$6,434	\$10,006	\$10,875	\$869	8.69%
Group Insurance Benefits	51600	\$90,735	\$117,528	\$130,475	\$12,947	11.02%
Employee Transportation Subsidy	51700	\$7,146	\$10,670	\$8,690	(\$1,980)	(18.56%)
Workers' Compensation	51800	\$1,751	\$3,368	\$3,521	\$153	4.55%
Other Post-Employment Benefits	51850	\$60,262	\$58,571	\$61,235	\$2,663	4.55%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$855,816	\$1,082,140	\$1,234,975	\$152,835	14.12%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$3,900	\$3,900		
Travel Out-Of-State	52225		\$3,100	\$3,100		
Training & Education	52300	\$525	\$13,000	\$23,000	\$10,000	76.92%
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$27,624	\$150,900	\$120,900	(\$30,000)	(19.88%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$4,875	\$22,000	\$22,000		
Stationery & Office Supplies	53900					
Books & Journals	54100		\$500	\$600	\$100	20.00%
Minor Office Equipment	54200	\$62	\$100	\$1,000	\$900	900.00%
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$33,386	\$193,500	\$174,500	(\$19,000)	(9.82%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$889,202	\$1,275,640	\$1,409,475	\$133,835	10.49%



Air Quality Modeling Support		603
<b>Managing Division:</b> Assessment Inventory and Modeling		
<b>Contact Person:</b> Saffet Tanrikulu		
<b>Program Purpose:</b> Provide technical support to the District's initiatives and collaborative activities through modeling and air quality analyses.		
<b>Description of Program:</b> This program provides technical support to various District activities, including: Assembly Bill 617 related programs, the Air Quality Planning Program, Strategic Incentives Division programs, the Climate Protection Program, the Spare the Air Program, the ambient data Quality Assurance (QA)/Quality Control (QC) Program, the Central California Air Quality Studies (CCAQS), and the California Baseline Ozone Transport Study (CABOTS). It also manages the District's modeling- and data analysis-related contracts; participates in the District's rule development, permit modeling, air monitoring and emissions inventory/exposure assessment activities; and responds to requests from District staff and the public for ambient data. It also collaborates with federal and state agencies to assess pollutant exposure, health impacts and international pollutant transport.		
<b>Justification of Change Request:</b> Additional resources are needed to purchase a modeling computer to support AB617-related analyses		
<b>Activities</b>		
Support Assembly Bill 617: perform PM and air toxics modeling, assess air quality and health benefits of proposed and adopted emission controls, and assess contributions of locally generated vs transported pollutants.		
Support the Climate Protection Program: analyze ambient data, conduct modeling, help design monitoring programs, evaluate GHG emissions estimates and analyze trends.		
Support District's Air Quality Planning Program: conduct data analysis and modeling.		
Support the Strategic Incentives Division: create and update maps to prioritize grant projects.		
Respond to internal/external aerometric data requests.		
Manage the District's data analysis and modeling-related contracts: prepare work statements, review and evaluate contractors' progress and invoices, and review final project deliverables.		
Perform air quality modeling and data analysis to support the District's rulemaking activities: apply CALMET/CALPUFF models to evaluate air quality and health benefits of proposed emission reductions.		
Support permitting activities: apply the AERMOD model to accommodate the District's non-PSD modeling needs and prepare meteorological inputs for AERMOD to support permit modeling.		
Participate in CARB's CCAQS and CABOTS programs: participate in the Technical and Policy Committee meetings, and provide in-kind support to their modeling and data analysis and emissions inventory preparation efforts.		
Participate in the ambient air monitoring program: perform QA/QC on meteorological data, and review and update the District's aerometric data needs.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Perform PM and air toxics modeling and analyses to assess pollutant formation in the Bay Area as well as at selected communities and document the results.		6/30/2020
Update health impact analyses of ozone and PM in the Bay Area as well as selected communities and document the results.		6/30/2020
Perform source apportionment analyses to quantify the contribution of various emission sources to ambient air quality in the Bay Area as well as within selected communities.		12/31/2019
Verify the District's aerometric data for 2018 and prepare meteorological inputs to AERMOD.		12/31/2019
Perform WRF/CMAQ modeling and analyses to support the District's rule development efforts.		12/31/2019
Update emissions inventory spatial surrogates, and plume-in-grid and condensable PM modules to improve AB617-related modeling.		6/30/2020
Conduct a representativeness study and cluster analyses to develop a conceptual model for pollutant formation.		12/31/2019
Collaborate with staff of Emissions & Community Exposure Assessment Section to update health risk analysis for air toxics.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		2.96	3.20	3.75	0.55	17.12%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$366,340	\$411,467	\$497,760	\$86,293	20.97%
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$5,672	\$5,896	\$7,137	\$1,241	21.05%
Pension Benefits	51400	\$71,299	\$79,630	\$106,284	\$26,654	33.47%
FICA Replacement Benefits	51500	\$4,127	\$5,531	\$6,578	\$1,046	18.92%
Group Insurance Benefits	51600	\$58,225	\$51,070	\$70,063	\$18,993	37.19%
Employee Transportation Subsidy	51700	\$4,856	\$3,054	\$5,256	\$2,202	72.08%
Workers' Compensation	51800	\$1,107	\$1,855	\$2,130	\$275	14.81%
Other Post-Employment Benefits	51850	\$38,095	\$32,260	\$37,037	\$4,777	14.81%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$549,720	\$590,763	\$732,244	\$141,481	23.95%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$862	\$1,350	\$1,380	\$30	2.22%
Travel Out-Of-State	52225		\$3,350	\$3,780	\$430	12.84%
Training & Education	52300	\$500	\$6,300	\$7,000	\$700	11.11%
Repair & Maintenance (Equipment)	52400	\$1,197	\$7,000	\$8,000	\$1,000	14.29%
Communications	52500		\$1,000		(\$1,000)	(100.00%)
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$175,017	\$200,000	\$280,000	\$80,000	40.00%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900		\$500	\$500		
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$177,625	\$219,500	\$300,660	\$81,160	36.97%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115			\$70,000	\$70,000	
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>				\$70,000	\$70,000	
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$727,345	\$810,263	\$1,102,904	\$292,641	36.12%

Air Quality Modeling & Analysis	604
<b>Managing Division:</b> Assessment Inventory and Modeling	
<b>Contact Person:</b> Saffet Tanrikulu	
<b>Program Purpose:</b> Perform air quality modeling and data analyses to evaluate emission control strategies to attain and maintain air quality standards.	
<b>Description of Program:</b> This program maintains and applies state-of-the-science meteorological, emissions inventory and air quality models to investigate the formation of ozone, fine and ultrafine particulate matter (PM <sub>2.5</sub> and PM <sub>0.1</sub> ), and toxic air contaminants in the Bay Area; assesses the attainment status of the Bay Area with respect to Federal and State standards; supports Federal and State air quality plan development activities; quantifies the transport of ozone, PM and toxic air contaminants and their precursors within the Bay Area as well as between the Bay Area and neighboring districts; and quantifies the health impacts of ozone, PM, and toxic air contaminants. This program also includes analyses of ambient data, preparation of model inputs, monetary valuation of air pollution impacts in the Bay Area, maintenance of the District's cluster computer system, development of graphics and statistical programs to evaluate model inputs and outputs, and collaboration with modeling and air quality planning staff of CARB, U.S. EPA, NOAA, NASA, neighboring districts, industry, academia and other stakeholders.	
<b>Justification of Change Request:</b>	
<b>Activities</b>	
Maintain and apply air quality models to investigate ozone, PM <sub>2.5</sub> , PM <sub>0.1</sub> and toxic air contaminants formation in the Bay Area, as well as their regional transport.	
Maintain and apply meteorological models to prepare inputs to air quality models.	
Maintain and apply emissions inventory models to prepare inputs to air quality models.	
Maintain and apply air pollution health impacts and monetary valuation models.	
Prepare ambient data for model inputs and evaluation of model outputs.	
Conduct ambient data analyses for ozone, PM <sub>2.5</sub> , PM <sub>0.1</sub> and toxic air contaminants to characterize each pollutant's formation in the Bay Area, develop conceptual models for pollutant formation.	
Evaluate and improve model performance for multi-pollutant applications.	
Maintain the District's cluster computer system on which models are run.	
Develop graphics, analysis and model evaluation tools.	
Develop in-house staff expertise related to modeling and air quality analysis.	
Coordinate Modeling Advisory Committee meetings.	
Analyze the Bay Area's status relative to national and state ambient air quality standards.	
Conduct source apportionment studies and trend analyses.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Evaluate and improve WRF meteorological model performance to support CMAQ applications.	6/30/2020
Update and improve spatial surrogates and temporal profiles used for gridding and temporalizing county level emissions estimates for modeling.	12/31/2019
Evaluate and improve CMAQ model performance for multipollutant simulations.	6/30/2020
Evaluate and update BenMAP for assessing health impacts of ozone, fine particulate matter, ultrafine particulate matter and toxic air contaminants.	6/30/2020
Maintain and evaluate the CALMET/CALPUFF modeling system for local-scale model applications.	6/30/2020
Maintain and evaluate the AERMOD model for non-PSD model applications.	6/30/2020
Update analysis of CMAQ sensitivity to emission reductions for PM, toxics and ozone and assess Bay Area trends.	6/30/2020
Maintain the meteorological and air quality database and update analyses of ambient data for selected PM, toxics and ozone simulation periods.	6/30/2020
Update modeling software and computer libraries.	6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.42	3.53	3.65	0.12	3.38%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$448,106	\$467,934	\$496,621	\$28,687	6.13%
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$6,930	\$6,708	\$7,123	\$415	6.19%
Pension Benefits	51400	\$72,929	\$90,842	\$106,633	\$15,791	17.38%
FICA Replacement Benefits	51500	\$4,929	\$6,099	\$6,402	\$303	4.97%
Group Insurance Benefits	51600	\$69,626	\$67,434	\$76,130	\$8,696	12.89%
Employee Transportation Subsidy	51700	\$5,888	\$4,952	\$5,116	\$164	3.32%
Workers' Compensation	51800	\$1,354	\$2,045	\$2,073	\$27	1.34%
Other Post-Employment Benefits	51850	\$46,598	\$35,572	\$36,049	\$478	1.34%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$656,358	\$681,586	\$736,146	\$54,561	8.00%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$741	\$900	\$1,600	\$700	77.78%
Travel Out-Of-State	52225		\$1,650	\$2,080	\$430	26.06%
Training & Education	52300	\$600	\$2,500	\$2,000	(\$500)	(20.00%)
Repair & Maintenance (Equipment)	52400	\$6,895	\$10,000	\$10,000		
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900		\$3,500	\$3,500		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$36	\$9,500	\$9,500		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$7,088	\$7,500	\$7,500		
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$15,359	\$35,550	\$36,180	\$630	1.77%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$671,717	\$717,136	\$772,326	\$55,191	7.70%

Community Air Risk Evaluation (CARE)		609
<b>Managing Division:</b> Planning and Climate Protection		
<b>Contact Person:</b> Phil Martien		
<b>Program Purpose:</b> Evaluate community health risks from ambient toxic air contaminants (TACs), fine particulate matter (PM) and other pollutants. Focus mitigation measures on locations with higher exposures and risk levels and vulnerable populations. Develop mitigation strategies for local sources of interest and new and existing development near busy roadways and other air pollution sources. Partner with other Air District staff and community members to execute requirements develop tools, analyses, and products to support local air quality Action Plans.		
<b>Description of Program:</b> The District's CARE program targets risk reduction activities in areas where impacts of TACs, fine PM, and other pollutants are greatest. The CARE program helps to coordinate emissions inventory development, air modeling, air monitoring, analysis of health records and socio-economic datasets, and exposure and health assessments to identify areas with vulnerable populations and relatively high air pollution. Information derived from these activities is used to focus District risk reduction activities, such as rulemaking, grant and incentive programs, partnerships with local agencies on local plans and programs, collaboration with public health professionals, development of community risk reduction plans, advocacy of State and local regulatory programs, community engagement processes to improve public health in the most impacted communities, and other activities. The CARE program actively participates in the development of local air quality Action Plans required by Assembly Bill 617.		
<b>Justification of Change Request:</b> AB 617 imposes major new requirements. These new requirements will require additional products from the CARE Program on a specified timeline. Additional resources will be required in Program 609 to meet the deadlines for ranking Bay Area communities within the Air District and for engaging with communities to develop local air quality Action Plans. Additional resources also will be required for Program 609 to develop technical products to support the local Action Plans.		
<b>Activities</b>		
Manage and coordinate the CARE program.		
Conduct local-scale modeling and analyses to support risk screening tools that support the development of local air quality action plans and that help promote healthy development.		
Participate in outreach and assist in evaluating community risks and hazards, through measurement and modeling programs.		
Compile demographic and health statistics data for the Bay Area.		
Attend community meetings to understand local concerns and provide updates on the CARE program.		
Develop and improve modeling methods to identify emission sources and source areas affecting impacted communities.		
Develop mitigations for sources of interest and mitigation strategies for new and existing development near busy roadways and other air pollution sources.		
Update and refine regional emissions estimates of TAC.		
Coordinate efforts and share tools across the District to improve data analysis and assessments.		
Support enhanced data visualization/analysis tools for community partnerships and local planning guidance.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Develop and document improved tools to conduct efficient community-scale modeling to support AB 617 Community Action Plan development.		6/30/2020
Collaborate with Air Quality Modeling & Analysis Section and Meteorology & Measurements Division to develop community prioritization methods, incorporating regional modeling, measurements, and health records.		12/31/2019
Develop visualization methods and products that improve communication of technical assessments of local exposures to air pollution.		9/30/2019
Conduct foundational work to implement community-scale modeling in Richmond and other communities.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		2.65	3.68	3.28	(0.40)	(10.82%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$380,516	\$500,735	\$499,095	(\$1,641)	(0.33%)
Overtime Salaries	51150	\$332				
Temporary Salaries	51200	\$5,884				
Payroll Taxes	51300	\$5,875	\$7,180	\$7,166	(\$14)	(0.19%)
Pension Benefits	51400	\$64,940	\$96,916	\$105,013	\$8,102	8.36%
FICA Replacement Benefits	51500	\$4,157	\$6,425	\$5,753	(\$672)	(10.46%)
Group Insurance Benefits	51600	\$58,656	\$76,210	\$70,315	(\$5,894)	(7.73%)
Employee Transportation Subsidy	51700	\$4,351	\$6,709	\$4,597	(\$2,112)	(31.47%)
Workers' Compensation	51800	\$1,150	\$2,131	\$1,863	(\$268)	(12.58%)
Other Post-Employment Benefits	51850	\$39,569	\$37,057	\$32,395	(\$4,662)	(12.58%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$565,429	\$733,263	\$726,203	(\$7,160)	(0.98%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$289	\$1,900	\$1,900		
Travel Out-Of-State	52225		\$2,000	\$2,000		
Training & Education	52300		\$10,400	\$11,000	\$600	5.77%
Repair & Maintenance (Equipment)	52400		\$3,000	\$5,000	\$2,000	66.67%
Communications	52500	\$2,274	\$1,000	\$1,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$36	\$2,000	\$2,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$123,249	\$300,700	\$260,700	(\$40,000)	(13.30%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$14,250	\$18,500	\$19,000	\$500	2.70%
Stationery & Office Supplies	53900		\$200	\$200		
Books & Journals	54100	\$396	\$500	\$500		
Minor Office Equipment	54200		\$100	\$100		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$140,493	\$340,300	\$303,400	(\$36,900)	(10.84%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$705,921	\$1,073,663	\$1,029,603	(\$44,060)	(4.10%)

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

## PLANNING AND CLIMATE PROTECTION DIVISION

The Planning and Climate Protection Division develops and implements local community emissions reduction plans per AB 617 and prepares plans to meet State and Federal air quality standards. Division staff coordinates and implements climate protection activities through the Climate Protection Section. Division staff analyzes ambient and emissions data for toxic air contaminants, particulate matter, ozone and their precursors, and develops and implements programs to reduce exposures. Division staff works with cities, counties and other agencies to encourage transportation and land use decisions that improve air quality and protect the climate. Division staff prepares, reviews and provides guidance on environmental documents prepared pursuant to California Environmental Quality Act (CEQA).

In FYE 2020, staff will continue to implement the multi-pollutant Bay Area 2017 Clean Air Plan (2017 Plan), which addresses ozone, particulate matter, toxic air contaminants and greenhouse gases (GHGs). The 2017 Plan includes goals to attain all ambient air quality standards, eliminate disparities in health risk from air pollution, and reduce regional GHG emissions 40% below 1990 levels by 2030 and 80% below 1990 levels by 2050. To meet the requirements of AB 617, staff will continue to develop and implement the West Oakland Community Action Plan. Through close coordination with community partners and the steering committee, staff will identify and prioritize pollution and exposure reduction strategies, conduct community engagement, implement measures to reduce emissions and exposure, and provide land use guidance. Staff will begin community engagement and emissions reduction planning in additional AB 617 communities. Staff will continue to work with local lead agencies, regional agencies, and others to update and implement the CEQA Guidelines. Staff will provide technical assistance to cities and counties on climate protection, local plans including environmental justice elements per SB 1000, and environmental review processes. Staff will track the development of new national ambient air quality standards and associated planning requirements. Staff will continue to work with Cal-EPA, the California Air Resources Board (CARB), and Federal, State, regional and local agencies to reduce emissions associated with ports and goods movement and implement other mobile source programs.

In FYE 2020, staff will implement GHG emission reduction measures identified in the 2017 Plan, guided by staff's work to coordinate and implement the Methane Strategy and by developing strategies to reduce CO<sub>2</sub> and F-gases. Staff will: administer the Climate Protection Grant Program; support the Diesel Free by '33 initiative; complete an update to CEQA Thresholds for GHGs; develop best practices and resources for local governments related to green waste handling and composting per SB 1383; develop rules and rule amendments to reduce GHGs; work with CARB to coordinate state and regional climate programs; assist local governments with the development and implementation of climate action plans and local GHG reduction strategies; develop model ordinances and best practices to accelerate local policy adoption for reducing GHGs; collaborate with regional agency partners to implement Plan Bay Area and develop its next iteration; work with partner agencies to implement regional GHG reduction strategies through the Bay Area Regional Collaborative; support measurement studies of methane and other GHGs that support rule-making and compliance and enforcement efforts; and refine and maintain the Bay Area GHG emission inventory and improve GHG emissions forecasts.



Air Quality Plans		602
<b>Managing Division:</b> Planning and Climate Protection		
<b>Contact Person:</b> Dave Vintze		
<b>Program Purpose:</b> Prepare and track effectiveness of plans to attain and maintain State and National ambient air quality standards and local community emission reduction plans per AB 617.		
<b>Description of Program:</b> This program has historically involved the preparation of plans required for attaining or maintaining State and National air quality standards. This includes the preparation of State Triennial Updates (Clean Air Plan), and any SIP related submittals to EPA for national planning requirements. Air districts are now required to develop local community action plans per AB 617, the Community Health Protection Program. All three of these planning requirements will involve cooperation of various District staff and cooperation with ABAG, MTC, CARB, EPA, local governments and community groups. Preparing CEQA documents for air quality plans as necessary, tracking the effectiveness of air quality plans, ensuring compliance with State and national air quality planning requirements, and reporting to CARB and EPA are included in the program. This program also includes tracking and commenting on proposed State and National air quality standards and planning requirements.		
<b>Justification of Change Request:</b> Additional resources are requested to prepare the year 2 local community action plan called for in AB 617, the associated CEQA compliance document, and to track implementation of the West Oakland Community Action Plan. The District will also need to begin preparation of background studies and work on years 3-5 communities during FYE 2020.		
<b>Activities</b>		
Participate in Statewide planning activities related to AB 617 implementation		
Develop tracking mechanism for the West Oakland Community Plan		
Begin background studies and data development activities for years 2-5 AB 617 communities		
Coordinate preparation of community action plans per AB 617		
Participate in planning activities related to State and Federal ambient air quality standards.		
Track development of new or amended State and Federal ambient air quality standards.		
Prepare any documents or technical analysis needed to meet new State or Federal planning requirements for ozone and PM2.5.		
Track implementation of control measures in the 2017 Clean Air Plan.		
Update District website with current air quality planning requirements and/or information related to proposed revisions to State and federal ambient air quality standards.		
Prepare CEQA document for the AB 617 community action plan.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Prepare AB 617 community action plan for the year 2 community when chosen		4/30/2020
Prepare annual review of West Oakland Action Plan control measure implementation per AB 617		6/30/2020
Conduct land use studies and background mapping of emission sources in years 2-5 communities		6/30/2020
Prepare CEQA document for the year 2 AB 617 community action plan		6/30/2020
Submit other planning documents to CARB and EPA as required in FYE 2020 timeframe.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		4.29	4.43	4.27	(0.16)	(3.61%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$540,632	\$533,818	\$498,042	(\$35,777)	(6.70%)
Overtime Salaries	51150	\$1,848				
Temporary Salaries	51200	\$1,552				
Payroll Taxes	51300	\$8,304	\$7,643	\$7,130	(\$513)	(6.72%)
Pension Benefits	51400	\$88,158	\$104,703	\$106,582	\$1,879	1.79%
FICA Replacement Benefits	51500	\$5,827	\$7,672	\$7,490	(\$182)	(2.38%)
Group Insurance Benefits	51600	\$82,293	\$71,514	\$71,008	(\$505)	(0.71%)
Employee Transportation Subsidy	51700	\$6,681	\$4,329	\$5,985	\$1,656	38.26%
Workers' Compensation	51800	\$1,634	\$2,566	\$2,425	(\$141)	(5.51%)
Other Post-Employment Benefits	51850	\$56,219	\$44,633	\$42,173	(\$2,460)	(5.51%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$793,148	\$776,878	\$740,834	(\$36,044)	(4.64%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$22	\$2,215	\$2,215		
Travel Out-Of-State	52225	\$747				
Training & Education	52300	\$121	\$1,200	\$1,200		
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$7,325				
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$36	\$150,000	\$250,000	\$100,000	66.67%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$8,250	\$153,415	\$253,415	\$100,000	65.18%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$801,398	\$930,293	\$994,249	\$63,956	6.87%

Mobile Source Measures		605
<b>Managing Division:</b> Planning and Climate Protection		
<b>Contact Person:</b> Dave Vintze		
<b>Program Purpose:</b> Implementation of regional land use, mobile source and transportation measures.		
<b>Description of Program:</b> State and Federal laws require air districts to implement mobile source and transportation measures to attain and maintain ambient air quality standards and to reduce emissions and exposure to fine particulate matter and toxic air contaminants in disproportionately impacted communities. To this end, District staff works with CARB, MTC, ABAG, CMAs, cities, counties, transit operators, Caltrans, and other agencies and community organizations to encourage and facilitate implementation of mobile source and transportation measures and to implement the 2017 Clean Air Plan. This program also includes consultation with other agencies regarding land use and transportation planning activities to minimize the potential land use compatibility conflicts of locating sensitive receptors in close proximity to local sources of air pollution. In addition, this program also includes analysis of air quality impacts of plans and projects through CEQA and other environmental review processes, and transportation/general conformity determinations. Staff also works with State and local agencies to reduce emissions from ports and goods movement, and participates in CARB rulemaking processes.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Provide guidance to cities and counties on air quality and infill development related to the Planning Healthy Places guidance document. Work with CAPCOA to update land use guidance documents and emission estimate models.		
Collaborate with other regional agencies to implement Plan Bay Area, TOD and smart growth in the Bay Area.		
Participate in Statewide effort to update the CalEEMod land use emission model.		
Respond to questions from cities, counties and other agencies regarding air quality analysis procedures for CEQA documents; review and send comment letters on environmental documents for major development projects and plans.		
Implement control measures in the West Oakland Community Action Plan.		
Implement control measures in the 2017 Clean Air Plan, including green waste diversion and zero waste model ordinances.		
Work with MTC and others on implementation of transportation measures in the 2017 Clean Air Plan and West Oakland Community Action Plan.		
Work with EPA, CARB, and various Federal, State, regional and local agencies on mobile source programs, e.g., ports, goods movement, railroads, shipping.		
Participate on regional and statewide Transportation Conformity Task Forces.		
Track CARB actions for on-road and off-road mobile sources and fuels, and Bureau of Automotive Repair actions on vehicle inspection and maintenance; attend workshops and hearings and prepare comments as appropriate.		
Evaluate and promote use of alternative fuels, e.g., hydrogen, biodiesel, etc.		
Assist MTC and the Compliance and Enforcement Division with the implementation and evaluation of the commuter benefits program.		
Assist in the development of climate action plans and community action plans per AB 617.		
Provide consultation to Federal agencies regarding general conformity review of non-transportation projects.		
Maintain & update webpages re: CEQA guidelines, smart growth, Planning Healthy Places, etc.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Implement the control measures in the West Oakland Community Action Plan		6/30/2020
Assist with project level TAC/PM2.5 air quality analysis for Station Area Plans, Transit Priority Projects and Priority Development Areas to assist local jurisdictions in moving these projects forward.		6/30/2020
Prepare comment letters regarding air quality impacts of Bay Area development projects and plans for CEQA documents.		6/30/2020
Complete development of an offsite mitigation program per the 2017 CAP		6/30/2020
Participate in Port of Oakland Maritime Air Quality Improvement Plan update & implementation processes.		6/30/2020
Develop model green waste diversion and zero waste model ordinances, and composting best practices guidance consistent with 2017 CAP control measures		12/31/2019
Participate in CAPCOA update to land use guidance documents and CalEEMod model.		6/30/2020

Mobile Source Measures

605

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		4.43	4.61	4.62	0.01	0.24%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$596,046	\$622,783	\$630,900	\$8,117	1.30%
Overtime Salaries	51150	\$4,281		\$3,000	\$3,000	
Temporary Salaries	51200					
Payroll Taxes	51300	\$9,198	\$8,929	\$9,092	\$163	1.82%
Pension Benefits	51400	\$91,099	\$121,847	\$137,415	\$15,568	12.78%
FICA Replacement Benefits	51500	\$6,591	\$7,972	\$8,104	\$132	1.65%
Group Insurance Benefits	51600	\$93,046	\$82,369	\$80,947	(\$1,422)	(1.73%)
Employee Transportation Subsidy	51700	\$7,377	\$5,497	\$6,475	\$978	17.80%
Workers' Compensation	51800	\$1,801	\$2,670	\$2,624	(\$46)	(1.74%)
Other Post-Employment Benefits	51850	\$61,982	\$46,438	\$45,630	(\$809)	(1.74%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$871,421	\$998,506	\$924,187	\$25,681	2.86%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$2,586	\$2,300	\$2,300		
Travel Out-Of-State	52225	\$1,679	\$1,300	\$1,300		
Training & Education	52300	\$4,082	\$3,400	\$3,400		
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$526				
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900		\$4,000	\$4,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$96,097	\$281,900	\$181,900	(\$100,000)	(35.47%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$389				
Stationery & Office Supplies	53900	\$360	\$450	\$450		
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$105,718	\$293,350	\$193,350	(\$100,000)	(34.09%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$977,139	\$1,191,856	\$1,117,537	(\$74,319)	(6.24%)

Climate Protection		608
<b>Managing Division:</b> Planning and Climate Protection		
<b>Contact Person:</b> Abby Young		
<b>Program Purpose:</b> Set the strategic direction for and coordinate agency-wide efforts to accelerate the reduction of climate pollutants and integrate climate protection into Air District programs to reduce criteria and toxic air pollutants.		
<b>Description of Program:</b> Air District climate protection activities for FYE 2020 will be coordinated by the Climate Protection Section and will include: developing pollutant-based strategies to coordinate and accelerate the implementation of the 2017 Clean Air Plan, including finalizing the Methane Strategy and developing new basin-wide strategies for reducing CO2 and F-gases; administering the 2018 Climate Protection Grant Program; supporting the development of proposed rules to reduce GHGs; conducting methane and CO2 measurement studies to support rule-making and other programs, including AB617 activities; supporting local implementation of GHG reductions through the development of model ordinances and best practices, supporting community choice energy programs, and assistance in implementing strategies to reduce GHG emissions from key sectors including buildings, transportation and waste (organics); developing implementation programs for the Diesel Free By '33 initiative; working with the research community on issues related to climate change and public health; working with stakeholder groups to develop public outreach and education initiatives to reduce GHG emissions, including on the topic of low-GHG diets; continued collaboration with local, regional, state, and national agencies on climate protection efforts; and continued integration of climate protection strategies in existing Air District programs, such as AB 617.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Lead multi-divisional efforts to develop comprehensive, pollutant-based strategies to implement the Clean Air Plan, including a carbon dioxide strategy and an F-gas strategy.		
Continue to collaborate and lead stakeholder processes for developing the Basin-wide Methane Strategy.		
Contribute a GHG component to M&M air quality measurement project measuring localized concentrations of pollutants.		
Collaborate with Rule Development, Emissions Inventory, Compliance and Enforcement and other divisions on emissions studies to support rule-making and policy development.		
Implement the 2018 Climate Protection Grant Program to reduce GHGs from existing buildings and support innovative strategies with potential for long-term GHG reductions across multiple sectors.		
Support the Diesel Free By '33 initiative by coordinating internal Air District activities, developing content, supporting the management of the Diesel Free network, and assisting with convenings and overall development of the initiative.		
Support local climate action plans via technical assistance, model ordinances, and best practices, particularly in the areas of organic waste reduction, active and low-GHG transportation, and zero net energy/carbon buildings.		
Develop tools and standardized methodologies to assist local government in developing GHG emission inventories.		
Support the work of community choice energy programs in increasing participation in zero-carbon electricity options.		
Work with stakeholder groups to promote low-GHG diet alternatives and programs.		
Support increased research and policy development on the intersection of climate change and health, particularly in the areas of wildfires and heat.		
Provide support for climate-related rule development activity.		
Provide climate leadership in the Bay Area through convening events and providing networking and information-sharing opportunities for local governments and stakeholder groups.		
Coordinate the integration of climate protection strategies in existing Air District programs.		
Participate in regional climate protection programs with BARC, MTC, ABAG, and BCDC.		
Participate in Statewide and regional Scoping Plan and Plan Bay Area implementation efforts.		
Work with local, regional, state and federal agencies and organizations to coordinate climate protection efforts.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Develop/finalize Methane, Carbon Dioxide, and F-gas strategies for implementing the Clean Air Plan		6/30/20
Implement GHG reduction strategies identified in the 2017 Clean Air Plan.		6/30/20
Administer the 2018 Climate Protection Grant Program.		6/30/20
Support rule development and emissions inventory through GHG measurement activities.		6/30/20
Develop and implement activities to support the Diesel Free initiative		6/30/20
Implement control measures/strategies for the existing residential and commercial building stock.		6/30/20
Implement strategies to divert organics from the waste stream, support community choice energy programs and strategies that support low- and no-GHG transportation.		6/30/20

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		8.25	8.82	8.98	0.16	1.79%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$1,035,379	\$1,165,401	\$1,223,483	\$58,081	4.98%
Overtime Salaries	51150	\$2,319				
Temporary Salaries	51200					
Payroll Taxes	51300	\$15,988	\$16,705	\$17,548	\$843	5.04%
Pension Benefits	51400	\$175,713	\$225,436	\$259,342	\$33,906	15.04%
FICA Replacement Benefits	51500	\$11,378	\$15,309	\$15,751	\$443	2.89%
Group Insurance Benefits	51600	\$160,467	\$152,516	\$156,889	\$4,374	2.87%
Employee Transportation Subsidy	51700	\$12,044	\$5,716	\$12,586	\$6,870	120.19%
Workers' Compensation	51800	\$3,129	\$5,111	\$5,100	(\$11)	(0.22%)
Other Post-Employment Benefits	51850	\$107,667	\$88,889	\$88,691	(\$197)	(0.22%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,524,082	\$1,675,032	\$1,779,391	\$104,308	6.23%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$4,914	\$4,300	\$4,300		
Travel Out-Of-State	52225	\$10,011	\$7,500	\$7,500		
Training & Education	52300	\$2,940	\$6,100	\$6,100		
Repair & Maintenance (Equipment)	52400	\$2,995	\$20,000		(\$20,000)	(100.00%)
Communications	52500	\$825				
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$163	\$100	\$100		
Equipment Rental	53100					
Rents & Leases	53200		\$5,100		(\$5,100)	(100.00%)
Professional Services & Contracts	53300	\$270,452	\$340,000	\$340,000		
General Insurance	53400					
Shop & Field Supplies	53500	\$1,745				
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700	\$50				
Computer Hardware & Software	53800	\$545	\$1,800	\$1,800		
Stationery & Office Supplies	53900		\$300	\$300		
Books & Journals	54100		\$100	\$100		
Minor Office Equipment	54200		\$200	\$200		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$294,640	\$385,500	\$360,400	(\$25,100)	(6.51%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$1,818,722	\$2,060,582	\$2,139,791	\$79,208	3.84%

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

## COMMUNITY ENGAGEMENT AND POLICY DIVISION

The Community Engagement and Policy Division is responsible for engaging the public in the Air District's programs and developing control measures and regulations to reduce air pollutant emissions in the Bay Area. The Community Engagement Program engages the public, including students, community residents, advocates and other stakeholders, about Air District programs and air quality issues; responds to inquiries from the public about Air District programs and the purpose and functions of the Air District; and develops effective clean air partnerships with non-profit organizations. The Rule Development Program is responsible for the development of regulations to implement Air District plans to attain Federal and State air quality standards, and to protect public health. In addition, staff reviews existing regulations and develops revisions to improve clarity, efficiency and effectiveness.

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019



Community Engagement		302
<b>Managing Division:</b> Community Engagement and Policy Division		
<b>Contact Person:</b> Luz Gomez		
<b>Program Purpose:</b> Act as the District's main point of contact with the public to increase public awareness, engage local community organizations in Air District activities and assist the public in understanding the roles that the public, business community and the Air District have in controlling air pollution.		
<b>Description of Program:</b> The Community Engagement Office also facilitates stakeholder engagement in Air Districts' programs; plays a key role in AB 617 implementation; implements the Public Participation Plan; manages issue-specific advisory groups, oversees Supplemental Environmental Programs, Resource Teams, and Sponsorships; and oversees the Community Grant Program.		
<b>Justification of Change Request:</b> The Professional Service budget has been increased from FYE 2019 to account for expanded responsibilities under AB 617 implementation, including an Assistant Manager position, new contracts with community-based organizations for local planning efforts and a new Community Technical Assistance Center. Other increases: We anticipate increased out-of-state travel for our Division Director and other staff member to attend key conferences, Categories for other professional services remain the same as prior years or have been reduced.		
<b>Activities</b>		
AB 617: Work in partnership with community groups and across Air District Divisions to implement AB 617. West Oakland Action Plan, Richmond Monitoring Plan and years 2-5 community engagement activities.		
Community Technical Assistance/Sensor Center: Provide community engagement perspective and support to new center.		
Youth Engagement: Plan two youth summits in 2019 and a YES conference in 2020. Develop Youth Engagement strategy.		
Community Grant Program & School Community Grants: support regional community education partnerships		
Public Participation Plan: update and implementation		
Supplemental Environmental Projects (SEP): program to install air filtration systems at schools in AB 617 priority communities		
Transformative Climate Communities: manage contract and support subcontractors in implementing climate-protective projects		
Receive public inquiries and coordinate response with appropriate Air District divisions.		
Represent Air District with various stakeholders, community organizations and regional collaborations, including GARE		
Guide, support, and coordinate public involvement activities for Air District divisions.		
Actively participate and provide direction to the Air District's Spare the Air Resource teams.		
Facilitate informational presentations by Air District staff to community groups, school groups, international delegations, etc.		
Facilitate multilingual assistance and access to the Air District.		
Maintain and expand air quality education for Limited English Proficient populations in Chinese, Tagalog, Spanish and Vietnamese in print, recorded and web-based (SparetheAirNow.org and BAAQMD.gov) formats.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Implement multiple aspects of AB 617 and track progress		6/30/2020
Implement new programs (Tech Center, AB 617 grants, PPP update, SEP Program, TCC, etc)		6/30/2020
Oversight of Spare the Air Youth program including planning 2 summits and the annual YES conference		6/30/2020
Continue Community Grant Program and create new AB 617 local action planning grant program		6/30/2020
Update Public Participation Plan with buy-in from internal and external stakeholders		6/30/2020
Implement first CARB SEP for filtration systems at elementary schools in AB 617 priority communities		6/30/2020
Coordinate District presence at public events, including events targeting Limited English Proficient populations.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		6.36	8.92	9.10	0.18	2.07%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$752,023	\$1,038,600	\$1,152,105	\$113,505	10.93%
Overtime Salaries	51150	\$8,967				
Temporary Salaries	51200	\$20,613				
Payroll Taxes	51300	\$11,520	\$14,863	\$16,510	\$1,347	11.08%
Pension Benefits	51400	\$111,468	\$201,159	\$247,814	\$46,655	23.19%
FICA Replacement Benefits	51500	\$8,007	\$15,531	\$15,962	\$431	2.77%
Group Insurance Benefits	51600	\$113,032	\$147,133	\$164,417	\$17,284	11.75%
Employee Transportation Subsidy	51700	\$8,891	\$14,642	\$12,755	(\$1,888)	(12.89%)
Workers' Compensation	51800	\$2,272	\$5,165	\$5,168	\$3	0.06%
Other Post-Employment Benefits	51850	\$78,201	\$89,826	\$89,877	\$51	0.06%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,114,996	\$1,526,319	\$1,704,607	\$177,688	11.64%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$3,333	\$5,000	\$7,800	\$2,800	56.00%
Travel Out-Of-State	52225	\$4,230	\$2,500	\$8,000	\$5,500	220.00%
Training & Education	52300	\$4,125	\$15,000	\$17,500	\$2,500	16.67%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$5,871	\$2,000	\$2,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$2,309	\$6,000	\$6,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$378,871	\$950,000	\$1,313,000	\$363,000	38.21%
General Insurance	53400					
Shop & Field Supplies	53500	\$1,123	\$2,500	\$2,500		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900	\$267	\$1,500	\$1,500		
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$400,129	\$984,500	\$1,358,300	\$373,800	37.97%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$73,494)				
<b>Total Expenditures</b>		\$1,441,631	\$2,511,419	\$3,062,907	\$551,488	21.96%

Rule Development		611
<b>Managing Division:</b> Community Engagement and Policy		
<b>Contact Person:</b> Victor Douglas		
<b>Program Purpose:</b> The primary purpose of this program is to develop control measures and regulations to reduce air pollutant emissions in the Bay Area.		
<b>Description of Program:</b> The Rule Development Program is responsible for the development of regulations to implement Air District plans to attain Federal and State air quality standards, and to protect public health. The 2010 Clean Air Plan, the upcoming 2017 Clean Air Plan and other planning documents adopted by the Board of Directors address State requirements in the California Clean Air Act, State transport mitigation regulations and other state air quality requirements. In addition to development of rules derived from planning documents, staff assists with the preparation of air quality plans. Other measures are developed under the direction of the Board of Directors to further protect public health and safety and reduce emissions of greenhouse gases. In addition, staff reviews existing regulations and develops revisions to improve clarity, efficiency and effectiveness. For each control measure, staff assesses potential emission reductions, technological feasibility, socioeconomic impacts, cost-effectiveness, and environmental impacts under CEQA. Staff conducts public workshops and other public involvement processes, prepares staff reports, and makes presentations and recommendations to the Board of Directors at public hearings and committee meetings. Staff also manages and coordinates the rule development process for other Divisions. In this fiscal year, the program will continue to develop rules pursuant to the Refinery Emission Reduction Strategy and Climate Protection Work Program as directed by the Board of Directors.		
<b>Justification of Change Request:</b> An anticipated increase in rule development projects due to both AB 617 and the 2017 Clean Air Plan will require additional contracted CEQA and socioeconomic analyses. Additional resources will be needed to assist in Legislative analyses and draft Air District formal comments on proposed federal and state legislation and regulation impacting Bay Area air quality or our ability to regulate air pollutants.		
<b>Activities</b>		
Develop amendments to Rule 6-5: Refinery Fluid Catalytic Cracking Units to reduce PM		
Develop amendments to Rule 8-5: Organic Liquid Storage Tanks to reduce VOCs and toxic emissions		
Develop amendments to Rule 8-8: Refinery Wastewater Treatment to reduce VOCs and toxic emissions		
Develop amendments to Rule 8-18: Fugitive Emissions to reduce VOCs and toxic emissions		
Develop amendments to Rule 9-13: Portland Cement Manufacturing to reduce PM and SO <sub>2</sub> emissions		
Develop amendments to Rule 9-14: Petroleum Coke Calcining Operations to reduce NOx emissions		
Finalize a new regulation that contains definitions, test methods and recordkeeping provisions for climate protection rules (Regulation 13)		
Finalize a new rule to prohibit significant methane (CH <sub>4</sub> ) release (Rule 13-1)		
Finalize new rules to reduce CH <sub>4</sub> and VOCs from organic materials handling and composting (Rules 13-2 & 13-3)		
Finalize amendments to oil and gas rule (Rule 8-37)		
Develop suite of rule making actions to reduce sulfur emissions from the refining sector.		
Develop rules to reduce methane and VOC emissions from landfills (Rule 8-34) and sewage treatment (Rule 13-4)		
Manage rule development process led by staff in other Sections and Divisions.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Develop amendments to Rule 6-5: Refinery Fluid Catalytic Cracking Units		Ongoing
Develop amendments to Rule 8-5: Organic Liquid Storage Tanks		Ongoing
Develop amendments to Rule 8-8: Refinery Wastewater Treatment Operations		Ongoing
Develop amendments to Rule 8-18: Fugitive Emissions		Nov 2019
Develop amendments to Rule 9-13: Portland Cement Manufacturing to reduce PM & SO <sub>2</sub> emissions		Ongoing
Develop amendments to Rule 9-14: Petroleum Coke Calcining to reduce NOx emissions		Nov 2019
Finalize a new regulation that contains definitions, test methods and recordkeeping provisions for climate protection rules (Regulation 13)		Dec 2019
Finalize a new rule to prohibit significant methane release (Rule 13-1)		Dec 2019
Finalize Rules 13-2 & 13-3 to reduce CH <sub>4</sub> and VOCs from organic materials handling / composting		Dec 2019
Finalize amendments to oil and gas rule (Rule 8-37)		Ongoing
Respond to information requests regarding rule development.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		7.75	9.47	9.95	0.48	5.08%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$961,570	\$1,242,814	\$1,291,943	\$49,128	3.95%
Overtime Salaries	51150	\$5,115		\$10,000	\$10,000	
Temporary Salaries	51200					
Payroll Taxes	51300	\$14,791	\$17,813	\$18,664	\$551	4.78%
Pension Benefits	51400	\$166,858	\$240,716	\$274,241	\$33,525	13.93%
FICA Replacement Benefits	51500	\$10,509	\$16,419	\$17,453	\$1,034	6.30%
Group Insurance Benefits	51600	\$148,234	\$152,375	\$165,557	\$13,183	8.65%
Employee Transportation Subsidy	51700	\$11,228	\$16,020	\$13,946	(\$2,075)	(12.95%)
Workers' Compensation	51800	\$2,907	\$5,486	\$5,651	\$165	3.01%
Other Post-Employment Benefits	51850	\$100,052	\$95,402	\$98,272	\$2,870	3.01%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,421,265	\$1,787,044	\$1,895,726	\$108,682	6.08%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,060	\$5,500	\$7,750	\$2,250	40.91%
Travel Out-Of-State	52225		\$3,250	\$3,775	\$525	16.15%
Training & Education	52300	\$5,960	\$7,750	\$7,850	\$100	1.29%
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$32,002	\$30,000	\$35,000	\$5,000	16.67%
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$199,777	\$150,250	\$160,400	\$10,150	6.76%
General Insurance	53400					
Shop & Field Supplies	53500	\$1,964	\$100	\$500	\$400	400.00%
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$1,347	\$4,000	\$5,000	\$1,000	25.00%
Stationery & Office Supplies	53900	\$72		\$500	\$500	
Books & Journals	54100		\$200	\$200		
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$242,182	\$201,050	\$220,975	\$19,925	9.91%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$1,663,447	\$1,988,094	\$2,116,701	\$128,607	6.47%

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## INFORMATION SERVICES DIVISION

The Information Services Division focuses on Information technology operations, engineering, user support and the management of District records.

Under this Division, Engineering and Operations Program staff provide design, implementation, security and maintenance of all computer server infrastructures including but not limited to email, telecommunications, network, file storage, business continuity/disaster recovery, and remote connectivity. The support team in this program provides user support to District staff for all technologies and user support to outside members of the regulated community that utilize on-line District technologies.

Records Management Program Staff (RM) are responsible for storing, maintaining, securing, and providing copies of Air District official documents. These documents are made available for public, regulated community and internal request in accordance with Policy and Procedures.

In FY2020, the RM program procured Hyland OnBase software and is working to implement and deploy the system to meet the needs and requirements of the District. RM provides assistance for staff from each Division individually as official records are migrated to OnBase. RM also monitors and implements the District's Records Retention Schedule within OnBase and digitizes paper documents as needed for all Divisions.

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Information Management Records & Content		712
<b>Managing Division:</b> Information Services		
<b>Contact Person:</b> Magen Holloway		
<b>Program Purpose:</b> To provide archival and retrieval services for the District's records produced by various Divisions. Retires documents in accordance to the Record Retention Schedule.		
<b>Description of Program:</b> The Records Management Program (RM) is responsible for maintaining the Air District official records for each Division. These documents are made available for public, industry and internal request in accordance to the APCO Policy and Procedures. RM also monitors the Records Retention Schedule approved by the Board of Directors.		
<b>Justification of Change Request:</b> Increased budget reflects cost associated with purchase of new record management system.		
New software will assist RM meet the program objects.		
Consultants will assist RM in configuring the new Hyland OnBase (OB) software as specified by each Division and the Record Retention Schedule.		
<b>Activities</b>		
Manage and Support of Physical and Electronic Storage of District Records. Maintain records in accordance to the Record Retention Schedule.		
RM is configuring and implementing the new OB software with the assistance of consultants from Xerox. The Xerox is contracted to configure Air District records and corresponding Record Retention in OB. Xerox will also migrate historic records from AppXtender software and the Air District shared drives.		
Train Division Records Custodians on new OB software.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Configure new OB software.		6/01/2020
Train staff on use of OB software		6/01/2020
Migrate records from AppXtender and shared drives to OB software.		6/01/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.02	2.99	4.03	1.04	34.99%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$301,994	\$317,084	\$480,380	\$163,295	51.50%
Overtime Salaries	51150	\$1,095				
Temporary Salaries	51200					
Payroll Taxes	51300	\$4,654	\$4,532	\$6,879	\$2,347	51.78%
Pension Benefits	51400	\$35,492	\$61,642	\$102,124	\$40,482	65.67%
FICA Replacement Benefits	51500	\$3,300	\$5,114	\$7,069	\$1,955	38.22%
Group Insurance Benefits	51600	\$46,589	\$44,685	\$74,748	\$30,063	67.28%
Employee Transportation Subsidy	51700	\$3,453	\$3,857	\$5,648	\$1,791	46.43%
Workers' Compensation	51800	\$913	\$1,730	\$2,289	\$559	32.32%
Other Post-Employment Benefits	51850	\$31,404	\$30,081	\$39,802	\$9,722	32.32%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$428,892	\$468,725	\$718,938	\$250,214	53.38%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$2,500	\$3,000	\$500	20.00%
Travel Out-Of-State	52225					
Training & Education	52300		\$5,000	\$5,100	\$100	2.00%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$3,527	\$3,600	\$7,700	\$4,100	113.89%
Building Maintenance	52600	\$2,280	\$3,500	\$10,200	\$1,700	20.00%
Utilities	52700	\$5,132	\$3,600	\$3,700	\$100	2.78%
Postage	52800					
Printing & Reproduction	52900	\$20,429	\$85,000	\$95,000	\$10,000	11.76%
Equipment Rental	53100					
Rents & Leases	53200	\$62,629	\$80,000	\$90,000	\$10,000	12.50%
Professional Services & Contracts	53300	\$51,334	\$160,000	\$195,000	\$35,000	21.88%
General Insurance	53400					
Shop & Field Supplies	53500		\$15,000	\$20,000	\$5,000	33.33%
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$50,000	\$60,000	\$10,000	20.00%
Stationery & Office Supplies	53900		\$5,000	\$6,000	\$1,000	20.00%
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$145,332	\$418,200	\$495,700	\$77,500	18.53%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110		\$50,000	\$60,000	\$10,000	20.00%
Computer & Network Equipment	60115		\$140,000	\$250,000	\$110,000	78.57%
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>			\$190,000	\$310,000	\$120,000	63.16%
<b>Transfer Out</b>	70005	(\$17,051)				
<b>Total Expenditures</b>		\$557,173	\$1,076,925	\$1,524,638	\$447,714	41.57%



<b>Information Systems Software Development</b>		<b>725</b>
<b>Managing Division:</b> Information Services		
<b>Contact Person:</b> Blair L Adams		
<b>Program Purpose:</b> This program provides design, implementation and support services for the District's permitting business function, including the transition from the legacy systems to the Production System.		
<b>Description of Program:</b> This program is responsible for software design, validation and implementation of the Production System for permitting activities such as processing permit applications, registrations and permit renewal. The Production System will replace existing systems (e.g., Databank, IRIS, current online registration systems). Implementation of the system includes providing a help desk and support tools to enhance the customer experience to use the online system.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Designs for permitting functionality and features		
User Acceptance Testing of functionality and features		
Legacy data review and cleanup		
Customer Help Desk		
Customer tools to enhance system usability		
Staff Training		
<b>Major Objectives</b>		<b>Delivery Date</b>
Production System design and testing		Daily
Implementation of functionality to internal customers		Daily
Implementation of functionality to external customers		Daily

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<b>Number of Positions (FTE)</b>		6.52	8.53	9.26	0.73	8.55%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$793,589	\$1,102,291	\$1,153,895	\$51,604	4.68%
Overtime Salaries	51150	\$2,349				
Temporary Salaries	51200	\$739				
Payroll Taxes	51300	\$12,318	\$15,796	\$16,533	\$736	4.66%
Pension Benefits	51400	\$142,111	\$213,092	\$245,656	\$32,565	15.28%
FICA Replacement Benefits	51500	\$8,844	\$14,752	\$16,242	\$1,490	10.10%
Group Insurance Benefits	51600	\$124,960	\$121,835	\$177,009	\$55,174	45.29%
Employee Transportation Subsidy	51700	\$12,735	\$10,167	\$12,979	\$2,812	27.66%
Workers' Compensation	51800	\$2,398	\$4,942	\$5,259	\$316	6.40%
Other Post-Employment Benefits	51850	\$82,524	\$85,954	\$91,457	\$5,503	6.40%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,182,567	\$1,568,829	\$1,719,030	\$150,201	9.57%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300		\$15,000	\$15,000		
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$810		\$1,000	\$1,000	
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$50,000	\$50,000	\$55,000	\$5,000	10.00%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$25,000	\$25,000		
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$50,810	\$90,000	\$96,000	\$6,000	6.67%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$1,233,377	\$1,658,829	\$1,815,030	\$156,201	9.42%

Information Technology Engineering & Operations		726
<b>Managing Division:</b> Information Services		
<b>Contact Person:</b> John Chiladakis		
<b>Program Purpose:</b> Provide computer and telecommunications infrastructure. Provide service and support for staff.		
<b>Description of Program:</b> Operate, engineer, purchase, install, upgrade, maintain, and repair new software systems, computer networks, network servers, telephone systems, voicemail systems, firewalls, personal computers, workstations, file and database servers, and operating system and application software.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Operation and system administration of HP-3000 business system.		
Administration of Cisco telephone and voice mail system.		
Administration of Simplivity and other VMWare servers.		
Configuration and administration of network routers, switches, firewalls and internet access.		
Operation and system administration of HP-9000 database servers.		
Support and administer DNS servers.		
Administration of desktop operating system and applications software.		
Administration of Windows Active Directory and servers.		
Administration of NetApp SAN storage system.		
Purchase, installation, upgrade, maintenance, and repair of desktop workstations and printers.		
Administration of MS Exchange-Online, Internet and remote access systems.		
Administration of Multi-Agency Shared Services Printing and Scanning systems		
<b>Major Objectives</b>		<b>Delivery Date</b>
Maintain computer operations availability for 10 hours/day, 5 days/week.		Daily
Provide communications availability for 10 hours/day, 5 days/week.		Daily
Maintain LAN operations availability for 10 hours/day, 5 days/week.		Daily
Maintain network routers and firewall.		Weekly
Provide system connectivity support for JD Edwards.		Monthly
Support, troubleshoot and maintain desktop workstations.		Weekly
Support and upgrade remote access capabilities.		Monthly
Maintain voice messaging system, including menus and changes for field staff.		Monthly

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		8.99	10.96	9.00	(1.96)	(17.86%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$1,122,556	\$1,382,166	\$1,190,099	(\$192,067)	(13.90%)
Overtime Salaries	51150	\$4,518	\$8,000		(\$8,000)	(100.00%)
Temporary Salaries	51200	\$849				
Payroll Taxes	51300	\$17,286	\$19,917	\$17,063	(\$2,854)	(14.33%)
Pension Benefits	51400	\$193,422	\$270,578	\$262,421	(\$8,157)	(3.01%)
FICA Replacement Benefits	51500	\$12,259	\$19,038	\$15,786	(\$3,252)	(17.08%)
Group Insurance Benefits	51600	\$173,017	\$210,413	\$176,185	(\$34,228)	(16.27%)
Employee Transportation Subsidy	51700	\$13,469	\$16,036	\$12,614	(\$3,421)	(21.34%)
Workers' Compensation	51800	\$3,392	\$6,348	\$5,111	(\$1,237)	(19.48%)
Other Post-Employment Benefits	51850	\$116,732	\$110,394	\$88,889	(\$21,505)	(19.48%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,657,501	\$2,042,839	\$1,768,169	(\$274,720)	(13.45%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$4,123		\$5,000	\$5,000	
Travel Out-Of-State	52225					
Training & Education	52300	\$24,050	\$40,000	\$25,000	(\$15,000)	(37.50%)
Repair & Maintenance (Equipment)	52400	\$385,160	\$605,500	\$593,000	(\$12,500)	(2.06%)
Communications	52500	\$10,081	\$25,000	\$10,000	(\$15,000)	(60.00%)
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$462,876	\$390,000	\$395,000	\$5,000	1.28%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$119,757	\$179,000	\$230,500	\$51,500	28.77%
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$1,004,076	\$1,239,500	\$1,258,500	\$19,000	1.53%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100		\$75,000		(\$75,000)	(100.00%)
Building & Grounds	60105			\$75,000	\$75,000	
Office Equipment	60110					
Computer & Network Equipment	60115	\$699,961				
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130	\$373,971	\$400,000	\$400,000		
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$1,073,932	\$475,000	\$475,000		
<b>Transfer Out</b>	70005	(\$131,947)				
<b>Total Expenditures</b>		\$3,603,562	\$3,757,389	\$3,501,669	(\$255,720)	(6.81%)

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## METEOROLOGY AND MEASUREMENT DIVISION

The Meteorology and Measurement Division consists of eight individual sections that provide technical support, air quality and meteorological data, chemical analysis and forecasting services to the Compliance & Enforcement, Engineering, Planning, Legal, Rules and Communications and Community Engagement Divisions.

The Air Monitoring Section provides the data to determine if the Air District is in attainment with state and federal standards, and provides a scientific basis for other Air District programmatic decisions. New and continuing activities include:

- Continuing development, operation, maintenance, evaluation and improvement of over 30 air monitoring locations throughout the Bay Area
- Work with industry, community groups and other interested parties to determine appropriate locations for community monitoring systems developed as part of the overall Refinery Strategy and Regulation 12, Rule 15 as well as monitoring associated with Assembly Bill 617 (AB 617).

The Laboratory Services Section provides analytical services and expertise in support of Air District goals and programs. New and continuing activities include:

- Providing gravimetric, ion, OC/EC and metals analysis on PM<sub>2.5</sub> filter samples.
- Continuation of upgrades to laboratory analytical instruments to enhance the laboratory's ability to analyze for additional organic and toxic compounds.

The Source Test Section tests emissions from stationary sources to determine compliance with Air District regulations. New and continuing activities include:

- Additional and enhanced compliance testing on sources of volatile organic compounds, accuracy tests on the continuous emission monitoring network and PM<sub>2.5</sub> testing at affected sources.
- Providing technical support and data associated with AB 617 and other programs for Air District Divisions to facilitate decision making.

The Meteorology and Data Analysis Section provides Spare the Air, burn and other air quality forecasting in addition to analysis and validation of aerometric and meteorological data that supports Air District programs. New and continuing activities include:

- Daily air quality forecasting for the Spare the Air program and enhanced burn forecasting for the Air District's Open Burning Regulation.
- Development of enhanced data analysis capabilities in support of AB 617 and other programs.

The Performance Evaluation Section performs independent performance evaluation of the Air District's air monitoring and meteorological networks, in addition to specific outside networks of value to Air District activities, to ensure high quality data and compliance with EPA requirements. New and continuing activities include:

- Performance evaluations of air monitoring instruments at Air District and refinery locations.
- Maintenance of the Air District's and other important meteorological networks.

The BioWatch Monitoring Section operates and maintains a monitoring network for the Department of Homeland Security.

The Data Management and Communications provides IT support for the Division.

- Manage data, communications systems and operate and maintain data bases to decrease downtime and increase cost effectiveness.

The Mobile Monitoring Section will provide mobile measurements and generate data in support of Air District activities including when incidents occur. These new activities will include:

<b>Ambient Air Monitoring</b>		<b>802</b>
<b>Managing Division:</b>		
Meteorology and Measurement		
<b>Contact Person:</b>		
Steven Randall		
<b>Program Purpose:</b>		
Provide the data required to determine and measure progress towards the Bay Area's attainment of National and State ambient air quality standards, perform monitoring as part of AB 617 as well as determine and measure progress of other Air District programs.		
<b>Description of Program:</b>		
The primary function of the Air Monitoring Section is to operate and maintain a network of air quality and meteorological measurement sites that provide data required to determine attainment status of both National and State ambient air quality standards, new and modified regulations and National and State sampling strategies, as well as provide more targeted community level air quality assessment monitoring in support of AB617 activities and refinery communities. Additionally, a network of toxics gaseous and particulate monitors collect data to develop trends and help define risk, and for National and State programs. Air monitoring and meteorological data, as well as sampling projects such as the Precursor Air Monitoring Stations (PAMS) and PM <sub>2.5</sub> speciation sampling, are also used for Air Quality Index (AQI) forecasts, Clean Air Plan (CAP) modeling, Prevention of Significant Deterioration (PSD) modeling, Refinery Community Monitoring, AB 617 monitoring and Environmental Impact Reports (EIRs).		
<b>Justification of Change Request:</b>		
The budgets for Rents and Leases (53200), and Shop and Field (53505) have been increased due to a combination of inflationary pressures, contractual agreements, and new monitoring system development. Capital equipment requests are \$1,195,784 to support replacement of aging meteorology and air monitoring equipment, expansion of relocatable speciation platform(s) and dense spatial monitoring systems in support of community monitoring for AB 617 and Reg 12-15, and expansion of existing site monitoring capabilities to support better community level air quality characterization.		
<b>ACTIVITIES</b>		
Operate and maintain the air monitoring network to provide a minimum of 90% valid data each quarter to determine the attainment status for National and State ambient air quality standards.		
Operate and maintain air monitoring stations to support Refinery Community Monitoring as well as stations to assess SO <sub>2</sub> and H <sub>2</sub> S emissions from large industrial sources.		
Operate and maintain non-criteria pollutant monitors to provide data on ozone precursors, data for ozone forecasting, and data for fine particulate forecasting.		
Operate a PAMS network that meets EPA requirements.		
Operate a 20-station gaseous toxics network to provide data for State and Air District programs.		
Operate up to four TSP Lead samplers at three regional airports.		
Perform toxics sampling at two sites for the California Air Resources Board (CARB).		
Operate 1 filter-based and 14 continuous fine particulate samplers as well as 4 speciation samplers to satisfy and augment the monitoring requirements for PM <sub>2.5</sub> .		
Provide additional monitoring in support of other Air District programs as resources allow.		
Operate three Near Road monitoring stations as mandated by EPA; two in the San Francisco-Oakland-Fremont CBSA, and one in the San Jose-Sunnyvale-Santa Clara CBSA; Operate an additional site along the Interstate 580 corridor.		
Operate one PM <sub>2.5</sub> black carbon site in Forest Knolls, west Marin County, and other comparative sites to assess wood smoke trends.		
Perform quality control checks on criteria and non-criteria pollutant monitors required by EPA and CARB regulations and Air District procedures, review ambient pollutant data, precision data and repair equipment.		
Participate in interdivisional teams addressing issues that include, but are not limited to, regulation and Manual of Procedures improvement, website, special studies and customer service.		
Participate and aid in the development of the use of low cost sensors for local-scale measurement studies		
Implement community level air quality screening and assessment tools and procedures in support of AB617		
Implement monitoring in refinery communities in support of Reg 12-15		
<b>MAJOR OBJECTIVES</b>		<b>Delivery Date</b>
Collect and process data that has been subjected to rigorous Quality Control (QC) as part of National, State and Air District programs.		Quarterly
Implementation of community level screening and air quality assessment in support of AB 617 and Reg 12-15		Ongoing
Continue to improve Quality Systems Documents and procedures.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		20.90	30.76	29.95	(0.81)	(2.64%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$2,089,541	\$3,134,256	\$3,112,150	(\$22,106)	(0.71%)
Overtime Salaries	51150	\$3,676	\$8,500	\$8,500		
Temporary Salaries	51200	\$3,445				
Payroll Taxes	51300	\$32,207	\$44,896	\$44,606	(\$290)	(0.65%)
Pension Benefits	51400	\$341,820	\$589,574	\$647,339	\$57,765	9.80%
FICA Replacement Benefits	51500	\$22,877	\$53,046	\$52,533	(\$512)	(0.97%)
Group Insurance Benefits	51600	\$322,899	\$466,746	\$546,155	\$79,409	17.01%
Employee Transportation Subsidy	51700	\$25,016	\$29,297	\$11,978	\$12,681	43.29%
Workers' Compensation	51800	\$6,316	\$17,823	\$17,009	(\$814)	(4.57%)
Other Post-Employment Benefits	51850	\$217,375	\$309,961	\$295,802	(\$14,158)	(4.57%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$3,065,174	\$4,654,098	\$4,766,073	\$111,975	2.41%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$3,190	\$25,144	\$25,144		
Travel Out-Of-State	52225	\$7,882	\$10,500	\$10,500		
Training & Education	52300	\$9,488	\$17,000	\$2,000	(\$15,000)	(88.24%)
Repair & Maintenance (Equipment)	52400	\$26,614	\$74,067	\$74,067		
Communications	52500	\$3,143				
Building Maintenance	52600	\$23,330	\$105,389	\$68,103	(\$37,286)	(35.38%)
Utilities	52700	\$76,924	\$120,151	\$120,151		
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200	\$333,670	\$448,821	\$487,549	\$38,728	8.63%
Professional Services & Contracts	53300	\$39,789	\$400,344	\$379,438	(\$20,906)	(5.22%)
General Insurance	53400					
Shop & Field Supplies	53500	\$158,165	\$280,000	\$317,923	\$37,923	13.54%
Laboratory Supplies	53600	\$44,276	\$72,329	\$72,329		
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$8,475				
Stationery & Office Supplies	53900	\$54				
Books & Journals	54100		\$2,500	\$1,643	(\$857)	(34.28%)
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$737,002	\$1,556,245	\$1,558,847	\$2,602	0.17%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125	\$458,892	\$1,091,618	\$1,195,784	\$104,166	9.54%
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140	\$33,271				
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$492,163	\$1,091,618	\$1,195,784	\$104,166	9.54%
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$4,294,339	\$7,301,961	\$7,520,704	\$218,743	3.00%



<b>Laboratory</b>		<b>803</b>
<b>Managing Division:</b> Meteorology and Measurement		
<b>Contact Person:</b> Mairi Beacon		
<b>Program Purpose:</b> Provide laboratory, analytical, and technical services and support to other Air District Divisions and Sections.		
<b>Description of Program:</b> The primary function of the Laboratory Program is to provide laboratory analyses, analytical services and technical support to other Divisions, Sections and special programs in completing their objectives. The Laboratory Program evaluates and develops analytical methods as required by new, analytical capabilities or amendments and additions to Air District regulations. The analytical services of the program also provide technical information for enforcement action, permit evaluation and regulatory standard development. Close liaison is maintained with other air pollution agencies and technical groups.		
<b>Justification of Change Request:</b> The budgets for Repair and Maintenance (52400) and Professional Services (53305) were increased due to inflationary pressure and contractual obligations in addition to needs associated with the East Bay Laboratory Annex. Lab Supplies (53300) was increased to account for the additional supplies needed to stock the East Bay Laboratory Annex.		
<b>ACTIVITIES</b>		
Perform up to 200 compliance analyses for the Compliance & Enforcement Division.		
Provide up to 50 complete sample analyses for the Source Test Section.		
Provide 750 ambient air toxic sample analyses for the Air Monitoring Section and as needed for other Air District programs.		
Analyze 600 PM <sub>10</sub> filters for the Air Monitoring Program, including anion and cation speciation.		
Perform Elemental Carbon/Organic Carbon (EC/OC) analyses on up to 1000 PM <sub>10</sub> filters in support of various Air District programs.		
Develop, modify and recommend analytical methods to support enforcement action and to provide support for rule development.		
Analyze up to 700 PM <sub>2.5</sub> filters for the Air Monitoring Section.		
Perform XRF analysis for metals on up to 250 samples collected by Air Monitoring Section in support of various programs.		
Perform High Pressure Liquid Chromatography (HPLC) analyses for carbonyls in up to 200 samples collected by the Air Monitoring Section in support of Air District programs.		
Participate in a minimum of 6 inter-laboratory audit test programs for toxic compounds conducted by CARB and EPA.		
Perform gravimetric, ion, OC/EC and metals analysis on up to 750 PM <sub>2.5</sub> speciation filter samples collected by Air Monitoring Section in support of the SASS (Speciation Air Sampling Study) program.		
<b>MAJOR OBJECTIVES</b>		<b>Delivery Date</b>
Provide the Compliance & Enforcement Division with analytical data from 200 samples to support enforcement action.		Ongoing
Provide the Source Test Section with analytical data from 50 samples to support the Air District's Source Testing Program.		Ongoing
Provide the Air Monitoring Section with analytical data for toxic organic compounds in 750 ambient air samples.		Ongoing
Provide the Air Monitoring Section with analytical data from 600 PM <sub>10</sub> filters, including OC/EC and anion/cation speciation.		Ongoing
Develop, modify and recommend analytical methods to support enforcement action and to provide support for Rule Development.		Ongoing
Provide the Air Monitoring Section with analytical data from 700 PM <sub>2.5</sub> filters.		Ongoing
Provide the Air Monitoring Section with analytical data for metals in 250 samples in support of various programs.		Ongoing
Participate in and complete inter-laboratory audits for toxic compounds conducted by CARB and EPA.		Ongoing
Provide the Air Monitoring Section with analytical data from 750 PM <sub>2.5</sub> SASS filters.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		5.96	5.77	7.23	1.46	25.21%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$703,376	\$692,101	\$899,225	\$207,124	29.93%
Overtime Salaries	51150	\$319	\$1,700	\$1,700		
Temporary Salaries	51200	\$36,921				
Payroll Taxes	51300	\$10,838	\$9,934	\$12,908	\$2,975	29.94%
Pension Benefits	51400	\$122,239	\$133,957	\$194,920	\$60,963	45.51%
FICA Replacement Benefits	51500	\$7,647	\$9,991	\$12,682	\$2,691	26.93%
Group Insurance Benefits	51600	\$107,992	\$112,959	\$141,310	\$28,851	25.54%
Employee Transportation Subsidy	51700	\$9,404	\$746	\$10,134	\$9,387	1257.92%
Workers' Compensation	51800	\$2,125	\$3,345	\$4,106	\$761	22.74%
Other Post-Employment Benefits	51850	\$73,143	\$58,179	\$71,407	\$13,228	22.74%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,074,004	\$1,022,912	\$1,348,892	\$325,979	31.87%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$2,024	\$200	\$200		
Travel Out-Of-State	52225		\$5,000	\$5,000		
Training & Education	52300	\$1,173	\$1,500	\$1,500		
Repair & Maintenance (Equipment)	52400	\$51,403	\$69,000	\$73,000	\$4,000	5.80%
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$19,112	\$21,000	\$22,500	\$1,500	7.14%
General Insurance	53400					
Shop & Field Supplies	53500	\$4,044	\$3,000	\$3,000		
Laboratory Supplies	53600	\$85,158	\$82,000	\$132,000	\$50,000	60.98%
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$162,915	\$181,700	\$237,200	\$55,500	30.54%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125	\$112,022		\$517,000	\$517,000	
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$112,022		\$517,000	\$517,000	
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$1,348,941	\$1,204,612	\$2,103,092	\$898,479	74.59%

<b>Source Test</b>	<b>804</b>
<b>Managing Division:</b> Meteorology and Measurements	
<b>Contact Person:</b> Jerry Bovee	
<b>Program Purpose:</b> Provide source testing and technical expertise to Air District Divisions.	
<b>Description of Program:</b> The primary functions of the Source Test Section are to: conduct analytical source tests; conduct performance audits on Continuous Emissions Monitors (CEMs); review third party source tests; research and develop new analytical source test procedures; and, provide technical expertise and advice to other Divisions. These data are used to produce engineering studies to determine compliance status for specific source categories, determine whether to issue Permits to Operate, update the emissions inventory, determine actual abatement control effectiveness, provide data & technical assistance for Air District studies including AB 617, and develop applicable standards and produce emissions data for new or revised regulations.	
<b>Justification of Change Request:</b> Specific accounts were increased to reflect inflationary pressure and contractual obligations. Budgets for Travel (52200) and Conference and & Seminar Registration (52300) were increased for training to enhance staff skills necessary to aid in AB 617 implementation.	
<b>Activities</b>	
Conduct at least 90 instrumental gaseous source tests.	
Conduct up to 45 particulate or gaseous toxics source tests.	
Conduct at least 150 Field Accuracy Tests (FATs) on CEM systems.	
Conduct up to 24 source tests at gasoline bulk terminals and bulk plants.	
Conduct at least 400 source tests on gasoline cargo tanks.	
Conduct up to 30 Enhanced Vapor Recovery source tests at Gasoline Distribution Facilities (GDF)	
Evaluate up to 450 indicated excesses and other CEM-related call-ins.	
Maintain an electronic list of all source tests conducted at Title V facilities.	
Provide source testing support rule development efforts.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Prepare reports on emissions from various source categories.	Ongoing
Prepare reports on particulate/gaseous toxic emissions from specific sources.	Ongoing
Prepare quarterly and annual summary of CEM data from specific sources.	Ongoing
Prepare reports on VOC emissions from gasoline bulk terminals and plants.	Ongoing
Prepare reports on VOC emissions from gasoline cargo tanks.	Ongoing
Provide monthly reports on indicated excesses from CEM systems.	Ongoing
Prepare reports on compliance rates and emissions, based on outside contractor tests.	Ongoing
Participate in source attribution studies associated with AB 617	Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		11.06	15.52	12.95	(2.57)	(16.57%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$1,192,540	\$1,773,765	\$1,532,626	(\$241,139)	(13.59%)
Overtime Salaries	51150	\$3,827	\$7,500	\$7,500		
Temporary Salaries	51200					
Payroll Taxes	51300	\$18,299	\$25,488	\$22,054	(\$3,435)	(13.48%)
Pension Benefits	51400	\$224,885	\$337,389	\$329,604	(\$7,785)	(2.31%)
FICA Replacement Benefits	51500	\$13,114	\$26,720	\$22,715	(\$4,006)	(14.99%)
Group Insurance Benefits	51600	\$184,962	\$277,059	\$282,192	\$5,122	1.85%
Employee Transportation Subsidy	51700	\$13,714	\$15,800	\$18,151	\$2,351	14.88%
Workers' Compensation	51800	\$3,587	\$8,992	\$7,354	(\$1,638)	(18.22%)
Other Post-Employment Benefits	51850	\$123,443	\$156,390	\$127,901	(\$28,488)	(18.22%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$1,778,372	\$2,629,103	\$2,350,087	(\$279,017)	(10.61%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$622	\$3,000	\$3,000		
Travel Out-Of-State	52225	\$1,823	\$3,500	\$4,000	\$500	14.29%
Training & Education	52300	\$4,522	\$9,350	\$11,350	\$2,000	21.39%
Repair & Maintenance (Equipment)	52400	\$1,291	\$5,000	\$5,000		
Communications	52500					
Building Maintenance	52600	\$781	\$8,800	\$8,800		
Utilities	52700	\$20,128	\$16,590	\$16,950	\$360	2.17%
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200	\$220,920	\$281,730	\$290,250	\$8,520	3.02%
Professional Services & Contracts	53300	\$45,339	\$60,000	\$55,000	(\$5,000)	(8.33%)
General Insurance	53400					
Shop & Field Supplies	53500	\$53,480	\$53,400	\$54,000	\$600	1.12%
Laboratory Supplies	53600	\$571	\$10,000	\$10,200	\$200	2.00%
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$349,475	\$451,370	\$458,550	\$7,180	1.59%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110	\$23,568				
Computer & Network Equipment	60115					
Motorized Equipment	60120		\$25,000		(\$25,000)	(100.00%)
Lab & Monitoring Equipment	60125	\$49,668	\$186,508	\$190,932	\$4,424	2.37%
Communications Equipment	60130					
General Equipment	60135	\$15,858				
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$89,094	\$211,508	\$190,932	(\$20,576)	(9.73%)
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$2,216,940	\$3,291,981	\$2,999,569	(\$292,413)	(8.88%)

Meteorology	805
<b>Managing Division:</b> Meteorology and Measurement	
<b>Contact Person:</b> Charles Knoderer	
<b>Program Purpose:</b> Provide air quality and open burning forecasts, support for wildfire impacts, and collect, validate, analyze, and disseminate aerometric and meteorological data.	
<b>Description of Program:</b> The primary function of the Meteorological Section is to provide air quality forecasts, including open burn, and mandated Air Quality Index (AQI) forecasts, special forecasts for programs such as mandatory curtailment of wood burning, forecasts for wildfire smoke impacts, and episode/alert forecasts. Data analysis objectives include the validation, compilation and interpretation of meteorological and air quality data, and internal and external distribution of data to various data systems. Other objectives include evaluation for legal actions, determination of long-term air quality trends and establishment of databases. This section is also responsible for reviewing or designing studies to characterize community-level air quality and providing analyses to assist developing air quality improvement strategies, including new duties associated with AB 617.	
<b>Justification of Change Request:</b> The Overtime Budget (51155) was increased to account for technical assistance for public meetings associated with AB 617, general outreach and monitoring plan areas, and additional forecast responsibilities due to increased wildfire impacts on local air quality. The budget for Professional Services (53300) was increased due to inflationary pressure and contractual agreements. The budgets for In-State Travel (52220), Out-of-State Travel (52225), Computer Hardware (53805), and Computer Software (53810) were increased to meet the evolving responsibilities of the Meteorology group, including additional work, travel, and training expected for AB 617 related activities, the addition of six new staff, and to allow staff to keep up with current science and technology.	
<b>Activities</b>	
Provide support for tracking and forecasting smoke plume impacts during wildfire events.	
Coordinate with other divisions on AB 617 activities, including providing technical support for selecting and prioritizing areas and technical assessments of priority areas. Lead AB 617 activities in areas selected for Air Monitoring Plans, including assisting with the development and implementation of the plan and analyses of community monitoring data. Review external monitoring plans and final reports.	
Provide monthly, annual, and event-driven air quality summary reports	
Manage the Quality Assurance System and act as Air District lead for EPA's Technical Systems Audits.	
Provide reliable and timely Air Quality forecasts to the Air District and the public on weekdays, weekends and holidays, including determinations for voluntary and mandatory curtailment programs.	
Review prescribed and marsh burn plans. Issue the daily open burn decision to Regional, State, and National Fire Agencies and the public. Allocate and distribute burn acreage for prescribed, marsh, and Sonoma County stubble burning.	
Quality assure EPA mandated air quality data and provide to EPA within 90 days of the end of a quarter.	
Prepare and provide the Annual Air Monitoring Network Report to EPA, CARB and the public.	
Monitor and review air quality and meteorological data from each of the five oil refinery Ground Level Monitoring (GLM) Networks and provide evaluation of Episode Reports to the Compliance and Enforcement Division regarding compliance with Air District Regulations 1 and 9.	
Develop forecasting techniques for winter particulate and summer ozone seasons, including statistical regression equations and develop and maintain the databases these methods are based upon.	
Respond to record requests for information on air quality and meteorological data from industry, the public, consultants, and government agencies. Respond to requests to provide presentations for Air District functions including Board and Committee meetings, and community outreach and public information meetings.	
<b>Major Objectives</b>	<b>Delivery Date</b>
Coordinate or support AB617-related activities, including capacity building in priority areas, technical assessments, and community air monitoring.	Ongoing
Provide daily air quality forecasts and burn acreage allocations to meet Air District needs. Provide additional support during wildfire impacts.	Ongoing
Submit quality assured air quality data to EPA's AQS Database.	Quarterly
Provide air quality, meteorological, and GLM data in electronic format to requestors.	Monthly
Prepare and submit Annual Air Monitoring Network Plan to EPA, CARB and the public.	6/30/2019
Continue improvements to databases for air quality and meteorological data.	Ongoing

Meteorology

805

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.39	4.38	8.68	4.30	98.08%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$410,382	\$538,439	\$1,135,154	\$596,715	110.82%
Overtime Salaries	51150		\$18,375	\$30,000	\$11,625	63.27%
Temporary Salaries	51200					
Payroll Taxes	51300	\$6,326	\$7,978	\$16,708	\$8,731	109.44%
Pension Benefits	51400	\$69,840	\$100,193	\$230,635	\$130,442	130.19%
FICA Replacement Benefits	51500	\$4,440	\$7,519	\$15,225	\$7,706	102.50%
Group Insurance Benefits	51600	\$62,702	\$73,932	\$156,978	\$83,046	112.33%
Employee Transportation Subsidy	51700	\$5,192	\$2,449	\$12,166	\$9,717	396.84%
Workers' Compensation	51800	\$1,240	\$2,539	\$4,929	\$2,391	94.16%
Other Post-Employment Benefits	51850	\$42,675	\$44,153	\$85,728	\$41,576	94.16%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$602,798	\$795,576	\$1,687,524	\$891,949	112.11%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$43	\$250	\$2,000	\$1,750	700.00%
Travel Out-Of-State	52225	\$6,476	\$12,000	\$20,000	\$8,000	66.67%
Training & Education	52300	\$1,080				
Repair & Maintenance (Equipment)	52400		\$12,000	\$12,000		
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200	\$1,805				
Professional Services & Contracts	53300	\$148,298	\$32,000	\$119,008	\$87,008	271.90%
General Insurance	53400					
Shop & Field Supplies	53500	\$5,836	\$4,000	\$4,000		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$1,235	\$12,450	\$20,000	\$7,550	60.64%
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$164,772	\$72,700	\$177,008	\$104,308	143.48%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$767,570	\$868,276	\$1,864,532	\$996,257	114.74%

<b>Air Monitoring Instrument Performance Evaluation</b>		<b>807</b>
<b>Managing Division:</b> Meteorology and Measurement		
<b>Contact Person:</b> Jerry Bovee		
<b>Program Purpose:</b> Provide independent performance evaluation services for the Air Monitoring Section and evaluate equipment and siting for air quality monitoring performed by industry and/or their consultants within the Air District's boundaries.		
<b>Description of Program:</b> The primary function of the Performance Evaluation (PE) Section is to ensure the accuracy of data collected throughout the Air District's air monitoring network. The PE Section is also responsible for audits and data evaluation of the H <sub>2</sub> S and SO <sub>2</sub> ground level monitors (GLMs) and operation of H <sub>2</sub> S and SO <sub>2</sub> mobile sampling units for odor complaint investigations and episodic sampling.		
<b>Justification of Change Request:</b> Specific accounts were increased to reflect inflationary pressure and expected increases in resources necessary for auditing of Regulation 12, Rule 15 monitoring systems.		
<b>Activities</b>		
Conduct performance evaluation audits on ambient air monitoring equipment as required by EPA and California Air Resources Board (CARB) regulations, and create accuracy records for reporting to EPA.		
Conduct performance evaluation audits on industry SO <sub>2</sub> and H <sub>2</sub> S GLMs and prepare summary reports of the audits.		
Conduct performance evaluation audits on non-criteria pollutant monitors and prepare summary reports of the audits.		
Participate in inter-agency performance evaluation program conducted by EPA and CARB at Air District sites.		
Perform source-oriented sampling and mobile monitoring during complaint, odor, and episode conditions to provide data required for enforcement action. Between incidents, maintain the instruments and vehicles, as needed.		
Participate in interdivisional teams working on improving Air District regulations and the Manual of Procedures, special studies and customer service.		
Audit the Air District meteorological network.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Maintain the directory of information on network drives for Air District access to all Quality Assurance (QA) data and activities.		Ongoing
Audit the Air District meteorological network.		Ongoing
Maintain criteria pollutant calibration standards and calibrators to meet EPA requirements.		Ongoing
Revise Standard Operating Procedures (SOPs) to reflect changes in procedures.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.16	3.23	3.12	(0.11)	(3.49%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$333,837	\$347,061	\$357,401	\$10,341	2.98%
Overtime Salaries	51150	\$828	\$2,500	\$2,550	\$50	2.00%
Temporary Salaries	51200					
Payroll Taxes	51300	\$5,143	\$4,998	\$5,152	\$154	3.09%
Pension Benefits	51400	\$56,262	\$67,326	\$77,181	\$9,855	14.64%
FICA Replacement Benefits	51500	\$3,653	\$5,548	\$5,473	(\$76)	(1.37%)
Group Insurance Benefits	51600	\$51,561	\$78,347	\$75,193	(\$3,154)	(4.03%)
Employee Transportation Subsidy	51700	\$3,823	\$4,373	\$4,373	\$0	0.00%
Workers' Compensation	51800	\$1,009	\$1,873	\$1,772	(\$101)	(5.39%)
Other Post-Employment Benefits	51850	\$34,715	\$32,572	\$30,815	(\$1,757)	(5.39%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$490,830	\$544,598	\$559,909	\$15,312	2.81%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$95	\$445	\$455	\$10	2.25%
Travel Out-Of-State	52225		\$2,075	\$2,125	\$50	2.41%
Training & Education	52300		\$100	\$110	\$10	10.00%
Repair & Maintenance (Equipment)	52400		\$6,240	\$6,400	\$160	2.56%
Communications	52500					
Building Maintenance	52600		\$11,000	\$11,250	\$250	2.27%
Utilities	52700	\$470				
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$28,586	\$2,500	\$2,550	\$50	2.00%
General Insurance	53400					
Shop & Field Supplies	53500	\$23,791	\$16,500	\$16,800	\$300	1.82%
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100	\$104	\$160	\$160		
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$53,046	\$39,020	\$39,850	\$830	2.13%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120	\$37,269				
Lab & Monitoring Equipment	60125		\$20,000	\$20,400	\$400	2.00%
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>		\$37,269	\$20,000	\$20,400	\$400	2.00%
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$581,145	\$603,618	\$620,159	\$16,542	2.74%



<b>BioWatch Monitoring</b>		<b>809</b>
<b>Managing Division:</b> Meteorology and Measurement		
<b>Contact Person:</b> Eric Stevenson		
<b>Program Purpose:</b> Operate and maintain the Bay Area BioWatch network for the Federal Department of Homeland Security (DHS) in cooperation with the EPA.		
<b>Description of Program:</b> The BioWatch Monitoring Program consists of a network of sample collection units located throughout the Bay Area. Filter media are collected and replaced on a daily basis. Exposed filter housing are delivered to an outside laboratory for analysis. The network operates 24-hours a day, 365 days a year. This program is fully funded by a Department of Homeland Security grant and any budgetary changes were made to more accurately reflect the grant request.		
<b>Justification of Change Request:</b> All funding changes are covered by the DHS grant award.		
<b>Activities</b>		
Operate and maintain BioWatch collection sites to provide exposed filter media for laboratory analysis.		
Provide training and contract oversight for the BioWatch program.		
Implement Consequence Management Plan for the BioWatch program.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Provide oversight of facilities and equipment.		Ongoing
Assure program requirements for computer entry, sampling, and filter delivery are met.		Ongoing
Assure impacted Air Monitoring and contractor staff are notified in the event of positive results.		Ongoing

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.09	0.15	0.06	(0.09)	(59.23%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$13,181	\$17,605	\$12,294	(\$5,312)	(30.17%)
Overtime Salaries	51150			\$4,000	\$4,000	
Temporary Salaries	51200					
Payroll Taxes	51300	\$203	\$252	\$235	(\$17)	(6.78%)
Pension Benefits	51400	\$2,373	\$3,442	\$2,744	(\$699)	(20.29%)
FICA Replacement Benefits	51500	\$147	\$257	\$105	(\$152)	(59.03%)
Group Insurance Benefits	51600	\$2,076	\$2,346	\$858	(\$1,488)	(63.42%)
Employee Transportation Subsidy	51700	\$154	\$301	\$84	(\$217)	(72.08%)
Workers' Compensation	51800	\$40	\$85	\$34	(\$51)	(60.04%)
Other Post-Employment Benefits	51850	\$1,371	\$1,483	\$593	(\$890)	(60.04%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$19,544	\$25,771	\$20,946	(\$4,825)	(18.72%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225		\$5,350		(\$5,350)	(100.00%)
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700		\$29,140	\$30,015	\$875	3.00%
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200	\$66,944	\$48,550	\$50,065	\$1,515	3.12%
Professional Services & Contracts	53300	\$1,126,446	\$1,202,664	\$1,238,750	\$36,086	3.00%
General Insurance	53400					
Shop & Field Supplies	53500		\$9,500	\$8,000	(\$1,500)	(15.79%)
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$2,800	\$2,000	(\$800)	(28.57%)
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$1,193,389	\$1,298,004	\$1,328,830	\$30,826	2.37%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$1,212,934	\$1,323,775	\$1,349,776	\$26,001	1.96%

<b>Infrastructure and Records Management</b>		<b>810</b>
<b>Managing Division:</b> Meteorology and Measurements		
<b>Contact Person:</b> Steve Randall		
<b>Program Purpose:</b> Provide air monitoring and meteorological station infrastructure and communication support for the Division. Manage and operate the Division's Data Management System, Laboratory information system, and support the development of required analytical and operational tools.		
<b>Description of Program:</b> The Infrastructure and Records Management Section provides network support for Source Test, Air Monitoring, Meteorology, Laboratory and Performance Evaluation Sections. This includes software development, hardware purchases and support, and telecommunications for remote air monitoring and meteorology stations. This Section also supports and maintains data export facilities from the Data Management System.		
<b>Justification of Change Request:</b> No change in the overall budget amount for the section is requested.		
<b>Activities</b>		
Maintain computer hardware and infrastructure for remote Meteorology and Measurements Division locations.		
Manage contracts for telecommunication, software development and other Meteorology and Measurements Division IT related tasks.		
Manage software development projects dealing with Meteorology and Measurements Division data retrieval and ensure they are compatible with other integrated software packages.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Manage software and telecommunication contracts for Meteorology and Measurements Division.		Ongoing
Develop software for Meteorology and Measurements Division data retrieval and storage.		Ongoing
Procure computer related hardware for unique Meteorology and Measurements Division tasks.		Ongoing
Maintain IT infrastructure between the Air District office and remote air monitoring, meteorology and other Meteorology and Measurements Division sites.		Ongoing
Support the Air District's real-time air quality and meteorology web page (Gate 2).		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.80	1.27	1.55	0.28	21.61%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$116,667	\$149,980	\$215,800	\$65,821	43.89%
Overtime Salaries	51150	\$374	\$155		(\$155)	(100.00%)
Temporary Salaries	51200					
Payroll Taxes	51300	\$1,814	\$2,149	\$3,096	\$977	44.06%
Pension Benefits	51400	\$37,542	\$29,771	\$47,998	\$18,227	61.23%
FICA Replacement Benefits	51500	\$1,339	\$2,188	\$2,719	\$531	24.27%
Group Insurance Benefits	51600	\$18,922	\$27,291	\$33,126	\$5,835	21.38%
Employee Transportation Subsidy	51700	\$1,402	\$2,318	\$2,172	(\$145)	(6.26%)
Workers' Compensation	51800	\$353	\$738	\$880	\$142	19.21%
Other Post-Employment Benefits	51850	\$12,132	\$12,842	\$15,309	\$2,467	19.21%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$190,545	\$227,431	\$321,100	\$93,669	41.19%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$67,420	\$97,891	\$97,891		
Building Maintenance	52600		\$4,788	\$4,788		
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200	\$62,719	\$76,350	\$76,350		
Professional Services & Contracts	53300	\$66,792	\$63,500	\$63,500		
General Insurance	53400					
Shop & Field Supplies	53500	\$12,143	\$67,306	\$67,306		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$52,975	\$52,975		
Stationery & Office Supplies	53900		\$500	\$500		
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$208,474	\$363,310	\$363,310		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005					
<b>Total Expenditures</b>		\$399,019	\$590,741	\$684,410	\$93,669	15.86%

Mobile Monitoring		811
<b>Managing Division:</b> Meteorology and Measurement		
<b>Contact Person:</b> Eric Stevenson		
<b>Program Purpose:</b> Provide mobile measurement of pollutant concentrations and collection of samples in support of Air District programs as well as non-routine releases of air contaminants.		
<b>Description of Program:</b> The function of the Mobile Monitoring program is to provide additional spatial and temporal information as needed in support of Air District activities and to respond in a timely manner to incidents where releases of air contaminants may adversely impact public health or the environment. The response would include, to the extent possible, defining the area impacted, and the identification and measurement of the specific compounds involved in the release.		
<b>Justification of Change Request:</b> No increases requested.		
<b>Activities</b>		
Assist in the development and maintenance of incident response procedures.		
Work with other Divisions to utilize mobile monitoring capabilities in support of special studies and programs.		
Build and maintain mobile monitoring capabilities and instrumentation that is ready to be deployed at any time.		
Respond to incidents, measure impacts and determine the extent of those impacts, in a timely manner.		
Report findings to other Air District Sections and Divisions, and other agencies, as appropriate.		
Assist other Sections and Divisions in developing appropriate strategies and procedures dealing with incident response.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Assist in the development of incident response procedures.		Ongoing
Build and develop mobile monitoring capabilities.		Ongoing
Support other Air District programs with mobile monitoring.		Ongoing
Be able to respond to any incident in the Bay Area in a timely manner regardless of when the incident occurs.		Ongoing
Maintain all instrumentation so that it is operational 24-hours a day.		Ongoing
Develop reporting systems and strategies so that appropriate Air District Sections and Divisions have adequate information to make decisions during incidents.		Ongoing
Continue to build and improve overall incident response, communication and effectiveness.		Ongoing

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.03		(0)	(100.00%)
<b>Personnel Expenditures</b>					
Permanent Salaries	51105	\$2,215		(\$2,215)	(100.00%)
Overtime Salaries	51150	\$3,000		(\$3,000)	(100.00%)
Temporary Salaries	51200				
Payroll Taxes	51300	\$75		(\$75)	(100.00%)
Pension Benefits	51400	\$399		(\$399)	(100.00%)
FICA Replacement Benefits	51500	\$49		(\$49)	(100.00%)
Group Insurance Benefits	51600	\$336		(\$336)	(100.00%)
Employee Transportation Subsidy	51700	\$55		(\$55)	(100.00%)
Workers' Compensation	51800	\$17		(\$17)	(100.00%)
Other Post-Employment Benefits	51850	\$288		(\$288)	(100.00%)
Board Stipends	51900				
<b>Total Personnel Expenditures</b>		\$6,434		(\$6,434)	(100.00%)
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200				
Travel Out-Of-State	52225				
Training & Education	52300	\$800	\$800		
Repair & Maintenance (Equipment)	52400	\$5,400	\$5,400		
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300				
General Insurance	53400				
Shop & Field Supplies	53500	\$16,200	\$16,200		
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54400				
<b>Total Services &amp; Supplies Expenditures</b>		\$22,400	\$22,400		
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005				
<b>Total Expenditures</b>		\$28,834	\$22,400	(\$6,434)	(22.31%)

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BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

**PROGRAM NARRATIVES AND EXPENDITURE DETAIL**  
**SPECIAL REVENUE FUND**

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019



<b>Intermittent Control Programs (TFCA)</b>		<b>306</b>
<b>Managing Division:</b> Communications Office		
<b>Contact Person:</b> Kristine Roselius		
<b>Program Purpose:</b> The Spare the Air program encourages the public to reduce their driving, a major source of Bay Area air pollution, and promotes the use of public transit, biking, walking, carpooling, trip reduction and other behavior changes that reduce pollution from automobiles. The program provides outreach to employers/employees for the Spare the Air Employer and Commuter Benefits Programs and to students through the Spare the Air Youth program. Employers are targeted specifically due to their significant influence on the commute behaviors of their employees.		
<b>Description of Program:</b> The Spare the Air program works with employers, Resource Teams, students and the public to reduce air pollution by promoting employer commute programs and making clean air choices including taking public transportation, ridesharing and trip linking; this program complements Program 305. Funds will be used for electronic notification systems, employer and youth outreach, partnerships, Commuter Benefits Program outreach and Resource Teams outreach, as well as staff time associated with the Spare the Air programs and grass roots education.		
<b>Justification of Change Request:</b> No change.		
<b>Activities</b>		
Conduct Spare the Air Employer Program to inform employees about commuter incentive programs and individual choices to reduce air pollution.		
Promote employer transportation programs aimed at employees to reduce the number of single occupancy vehicles commuting to work.		
Prepare and issue media releases, respond to media inquiries and plan employer workshops and events.		
Conduct employer opinion surveys to evaluate Spare the Air program and measure behavior change.		
Manage Resource Team activities, projects and promotions.		
Manage and update the sparetheair.org and Employer Program websites as well as social media sites such as Twitter, Pinterest and Facebook.		
Provide public outreach at employer events throughout the Bay Area.		
Notify the employers/employees of Spare the Air Alerts through AirAlerts, the media, sparetheair.org, baaqmd.gov, iPhone app and social media sites.		
Manage employer outreach & advertising campaign.		
Provide outreach to employers, in concert with MTC, for the Commuter Benefits Program.		
Provide overview of campaign to the Executive Committee and Board of Directors.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Manage Air Quality Resource Teams.		6/30/2020
Manage Spare the Air Employer Program.		6/30/2020
Conduct employer workshops and develop employer outreach materials, webinars and website information for new employer commute incentives rule.		Ongoing
Coordinate Air District presence at public events, including community events and fairs targeting Limited English Proficient populations.		6/30/2020
Develop video podcasts, video news releases / statements, displays and infographics for Employer Program and Commuter Benefits Program / events.		6/30/2020
Add new visualization, app integration and other features to improve user experience on sparetheair.org website		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		5.40	6.16	4.78	(1.38)	(22.38%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$461,492	\$584,591	\$529,943	(\$54,648)	(9.35%)
Overtime Salaries	51150	\$111,263				
Temporary Salaries	51200	\$4,794				
Payroll Taxes	51300	\$7,079	\$8,342	\$7,581	(\$760)	(9.11%)
Pension Benefits	51400	\$70,835	\$112,419	\$114,371	\$1,952	1.74%
FICA Replacement Benefits	51500	\$5,161	\$10,584	\$9,384	(\$2,200)	(20.78%)
Group Insurance Benefits	51600	\$72,705	\$95,259	\$83,191	(\$12,068)	(12.67%)
Employee Transportation Subsidy	51700	\$5,384	\$6,587	\$6,700	\$113	1.71%
Workers' Compensation	51800	\$1,394	\$3,568	\$2,715	(\$853)	(23.92%)
Other Post-Employment Benefits	51850	\$47,990	\$62,049	\$47,210	(\$14,839)	(23.92%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$788,098	\$883,298	\$800,095	(\$83,303)	(9.43%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,891				
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800		\$5,000	\$5,000		
Printing & Reproduction	52900	\$8,980	\$15,000	\$15,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$1,023,256	\$1,005,000	\$1,005,000		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$1,034,128	\$1,025,000	\$1,025,000		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$383,487	\$183,766	\$360,043	\$176,277	95.92%
<b>Total Expenditures</b>		\$2,205,713	\$2,092,164	\$2,185,138	\$92,974	4.44%

<b>Carl Moyer Program Administration</b>		<b>307</b>
<b>Managing Division:</b> Strategic Incentives		
<b>Contact Person:</b> Anthony Fournier		
<b>Program Purpose:</b> Implementation of the Carl Moyer Program (CMP), which provides grants for the execution of projects that reduce emissions from primarily heavy-duty engines.		
<b>Description of Program:</b> <p>The Air District has participated in the CMP, in cooperation with the California Air Resources Board (CARB), since the program began in fiscal year 1998-1999. The CMP provides grants to public and private entities to reduce emissions of oxides of nitrogen (NOx), reactive organic gases (ROG) and particulate matter (PM) from existing heavy-duty engines by either replacing or retrofitting them. Eligible heavy-duty diesel engine applications include on-road trucks and buses, off-road equipment, marine vessels, locomotives, and stationary agricultural pump engines. Air District staff conducts outreach and solicits grant applications, reviews the grant applications according to established criteria, recommends allocation of the funding, monitors progress in implementing funded projects, and reports on the use of funds. This program also includes assessment of mobile source technologies in support of the grant-making function.</p> <p>The Air District has been allocated \$50 million from AB 134 (2017) for emissions reduction projects that provide early actions of the AB 617 process through a Community Air Quality Protection Grant Program. Consistent with the AB 134 legislation, funding from AB134 will be primarily administered through the CMP and Proposition 1B Goods Movement Program. The AB 134 funds must be awarded to emissions reduction projects by June 2019 and spent by June 2021.</p>		
<b>Justification of Change Request:</b> Increased expenditure to address the program administrative needs for increased revenue.		
<b>Activities</b>		
Develop policies and procedures for the administration of the CMP.		
Conduct outreach to interested parties and provide application assistance.		
Evaluate grant applications for eligibility with CMP guidelines.		
Conduct inspections of the baseline and funded project equipment.		
Prepare grant award recommendations and coordinate the execution of funding agreements for the selected projects.		
Administer and monitor projects that have been awarded CMP grants.		
Prepare and submit reports to CARB on the implementation of the CMP.		
Monitor, inspect, and audit current and previously funded programs and projects to assure compliance with State and District guidelines, policies, and statutory and regulatory requirements.		
Prepare technical, financial, and staff reports.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Finalize policies and procedures for the new CMP funding cycle (Year 21), consistent with CARB guidelines.		7/1/2019
Issue call for grant applications and conduct outreach for CMP Year 21 funds.		By 8/1/2019
Submit reports to CARB on the District's implementation of the CMP.		8/29/2019
Evaluate grant applications and prepare grant award recommendations for Board of Directors approval (Year 21 funding cycle).		6/30/2020
Issue funding agreements (contracts) for CMP grants awarded (Year 20 and 21 funding cycles).		6/30/2020
Process payments, review project reports, inspect and close out on-going projects.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		2.98	5.39	8.74	3.35	62.15%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$347,944	\$564,784	\$1,000,361	\$435,577	77.12%
Overtime Salaries	51150	\$596		\$35,000	\$35,000	
Temporary Salaries	51200					
Payroll Taxes	51300	\$5,296	\$8,071	\$14,825	\$6,754	83.68%
Pension Benefits	51400	\$50,687	\$107,057	\$211,001	\$103,944	97.09%
FICA Replacement Benefits	51500	\$3,579	\$9,268	\$15,330	\$6,062	65.41%
Group Insurance Benefits	51600	\$50,466	\$78,273	\$174,779	\$96,506	123.29%
Employee Transportation Subsidy	51700	\$3,745	\$4,855	\$12,250	\$7,395	152.32%
Workers' Compensation	51800	\$1,052	\$3,123	\$4,963	\$1,841	58.95%
Other Post-Employment Benefits	51850	\$36,200	\$54,307	\$86,321	\$32,014	58.95%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$499,563	\$929,738	\$1,554,831	\$725,093	87.39%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,287		\$4,000	\$4,000	
Travel Out-Of-State	52225			\$3,000	\$3,000	
Training & Education	52300	\$635	\$1,500	\$1,500		
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900		\$1,500	\$2,000	\$500	33.33%
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$3,673	\$125,098	\$300,000	\$174,902	139.81%
General Insurance	53400					
Shop & Field Supplies	53500	\$143	\$1,000	\$2,000	\$1,000	100.00%
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$1,000	\$1,000		
Stationery & Office Supplies	53900	\$243	\$600	\$600		
Books & Journals	54100		\$100	\$200	\$100	100.00%
Minor Office Equipment	54200		\$500	\$1,000	\$500	100.00%
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$5,982	\$131,298	\$315,300	\$184,002	140.14%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$243,086				
<b>Total Expenditures</b>		\$748,631	\$961,036	\$1,870,131	\$909,095	94.60%

Transportation Fund for Clean Air		308
<b>Managing Division:</b>		
Strategic Incentives		
<b>Contact Person:</b>		
Chengfeng Wang		
<b>Program Purpose:</b>		
Administer motor vehicle registration fee surcharge revenues to reduce emissions from on-road vehicles.		
<b>Description of Program:</b>		
<p>In 1991, the California State Legislature authorized the Air District to impose a \$4 surcharge on motor vehicles registered within its jurisdiction to fund projects that reduce on-road motor vehicle emissions. The Air District allocates these funds to eligible projects through its Transportation Fund for Clean Air (TFCA) program and a portion of the funds collected are expended for administrative purposes. The statutory authority for the TFCA and requirements of the program are set forth in California Health and Safety Code (HSC) Sections 44241 and 44242. Sixty percent of the funds are awarded directly by the Air District to eligible Air District programs (e.g., Smoking Vehicle, Spare the Air) and through the TFCA Regional Fund program. The remaining 40% are forwarded to the nine designated Bay Area congestion management agencies and distributed through the County Program Manager Fund program.</p> <p>The TFCA provides grants to reduce emissions of criteria pollutants through trip reduction projects and clean-air vehicle-based projects. Air District staff conducts outreach, solicits grant applications, reviews the applications, recommends allocation of funding, monitors progress in implementing projects, and reports on the use of funds. This program also includes assessment of mobile source technologies and transportation control measures in support of the grant-making function.</p>		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Prepare updates to the Regional Fund and County Program Manager policies and guidelines for consideration by the Air District's Board of Directors and develop policies and procedures for the administration of the TFCA.		
Develop and issue solicitation packages and conduct outreach.		
Review and evaluate project applications to determine their eligibility, and prepare associated documents, contracts, letters, reports, and communications.		
Prepare recommendations for award of eligible projects for approval by the Air District's Board of Directors.		
Monitor, inspect, and audit current and previously funded programs and projects to assure compliance with State and District guidelines, policies, and statutory and regulatory requirements.		
Review progress reports, process reimbursement requests, and ensure project files are complete and up to date.		
Prepare technical, financial, and staff reports and attend meetings.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Prepare recommended updates to the FYE 2021 County Program Manager policies for Board of Directors consideration.		11/30/2019
Prepare and distribute FYE 2021 County Program Manager guidance and application package.		12/31/2019
Review and recommend action on FYE 2021 County Program Manager expenditure plans.		5/31/2020
Execute FYE 2021 funding agreements for County Program Managers.		6/30/2020
Prepare and distribute FYE 2020 Regional Fund guidance, conduct outreach, and solicit applications.		Ongoing
Review FYE 2020 TFCA Regional Fund applications and recommend eligible projects for Board of Directors consideration and approval.		Ongoing
Prepare FYE 2020 funding agreements for TFCA Regional Fund recipients.		Ongoing
Prepare FYE 2019 TFCA Report on Regional Fund Expenditures and Effectiveness.		12/31/2019
Conduct audit of TFCA funded projects and programs completed by 6/30/2018.		6/30/2020

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		5.14	5.68	6.78	1.10	19.37%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$595,820	\$626,776	\$734,462	\$107,686	17.18%
Overtime Salaries	51150	\$6,778	\$30,000		(\$30,000)	(100.00%)
Temporary Salaries	51200					
Payroll Taxes	51300	\$9,204	\$9,399	\$10,504	\$1,105	11.76%
Pension Benefits	51400	\$96,672	\$121,936	\$151,392	\$29,457	24.16%
FICA Replacement Benefits	51500	\$6,575	\$9,801	\$11,892	\$2,091	21.34%
Group Insurance Benefits	51600	\$92,865	\$98,091	\$117,865	\$19,773	20.16%
Employee Transportation Subsidy	51700	\$7,678	\$1,456	\$9,503	\$8,046	552.46%
Workers' Compensation	51800	\$1,800	\$3,291	\$3,850	\$560	17.01%
Other Post-Employment Benefits	51850	\$61,958	\$57,229	\$66,963	\$9,734	17.01%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$879,351	\$957,979	\$1,106,431	\$148,452	15.50%
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,146	\$11,200	\$12,400	\$1,200	10.71%
Travel Out-Of-State	52225	\$6,579	\$4,000	\$9,000	\$5,000	125.00%
Training & Education	52300	\$3,471	\$12,200	\$14,200	\$2,000	16.39%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$1,073	\$1,000	\$1,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$36	\$2,000	\$2,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$164,842	\$298,007	\$387,500	\$89,493	30.03%
General Insurance	53400					
Shop & Field Supplies	53500		\$3,500	\$3,500		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800	\$25	\$7,400	\$7,400		
Stationery & Office Supplies	53900	\$556	\$3,000	\$3,000		
Books & Journals	54100		\$440	\$440		
Minor Office Equipment	54200		\$400	\$400		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$177,732	\$343,147	\$440,840	\$97,693	28.47%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$347,143	\$144,878	\$81,347	(\$63,531)	(43.85%)
<b>Total Expenditures</b>		\$1,404,225	\$1,446,004	\$1,628,618	\$182,614	12.63%

<b>Mobile Source Incentive Fund Administration</b>		<b>310</b>
<b>Managing Division:</b> Strategic Incentives		
<b>Contact Person:</b> Anthony Fournier		
<b>Program Purpose:</b> Administer funding from motor vehicle surcharge revenues, authorized by AB 923, for emission reduction projects.		
<b>Description of Program:</b> Assembly Bill 923 (AB 923 - Firebaugh), enacted in 2004 (codified as Health and Safety Code Section 44225), authorized local air districts to increase their motor vehicle registration surcharge for motor vehicles within the Air District's jurisdiction up to an additional \$2 per vehicle. The revenues from the additional \$2 surcharge are deposited in the Air District's Mobile Source Incentive Fund (MSIF).  MSIF funds can be allocated to the following eligible projects and programs, according to established criteria: the Lower-Emission School Bus Program, a passenger vehicle retirement program, projects eligible for Carl Moyer Program funds, and selected agricultural projects. Staff recommends funding allocations to eligible projects and programs for approval by the Board of Directors, monitors progress in implementing funded projects, reports on the use of the funds, and coordinates verification of requirements compliance. This program also includes assessment of mobile source and transportation technologies and programs in support of the grant-making function.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Recommend funding allocations to the Board of Directors.		
Conduct outreach to interested parties and provide application assistance.		
Evaluate grant applications for eligibility with applicable guidelines.		
Conduct inspections of the baseline and funded project equipment.		
Prepare grant award recommendations and coordinate the execution of funding agreements for the selected projects.		
Administer and monitor projects that have been awarded grants.		
Prepare and submit reports to the California Air Resources Board (CARB) on the expenditure of MSIF funds.		
Monitor, inspect, and audit current and previously funded programs and projects to assure compliance with State and District guidelines, policies, and statutory and regulatory requirements.		
Prepare technical, financial, and staff reports.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Report MSIF expenditures to CARB.		8/29/2019
Define allocation of available funds to eligible projects and programs.		3/1/2020
Conduct outreach, and solicit project applications.		6/30/2020
Obtain Board of Directors approval of project recommendations.		Ongoing
Prepare and coordinate execution of funding agreements.		Ongoing
Process payments, review project reports, inspect and close out on-going projects.		Ongoing
Monitor the progress of funded projects.		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		3.49	2.79	2.06	(0.73)	(26.16%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$378,673	\$324,669	\$235,581	(\$89,088)	(27.44%)
Overtime Salaries	51150	\$225				
Temporary Salaries	51200					
Payroll Taxes	51300	\$5,866	\$4,647	\$3,372	(\$1,275)	(27.44%)
Pension Benefits	51400	\$68,934	\$62,360	\$49,983	(\$12,377)	(19.85%)
FICA Replacement Benefits	51500	\$4,317	\$4,818	\$3,613	(\$1,204)	(25.00%)
Group Insurance Benefits	51600	\$60,965	\$52,711	\$39,030	(\$13,680)	(25.95%)
Employee Transportation Subsidy	51700	\$4,516	\$1,068	\$2,887	\$1,819	170.33%
Workers' Compensation	51800	\$1,144	\$1,616	\$1,170	(\$446)	(27.62%)
Other Post-Employment Benefits	51850	\$39,359	\$28,111	\$20,346	(\$7,765)	(27.62%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$563,999	\$479,999	\$355,982	(\$124,017)	(25.84%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$236	\$2,000	\$8,000	\$6,000	300.00%
Travel Out-Of-State	52225					
Training & Education	52300		\$1,500	\$5,000	\$3,500	233.33%
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$456				
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900	\$838	\$1,500	\$3,000	\$1,500	100.00%
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$54,323	\$70,000	\$120,000	\$50,000	71.43%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$3,000	\$4,000	\$1,000	33.33%
Stationery & Office Supplies	53900		\$500	\$500		
Books & Journals	54100		\$200	\$200		
Minor Office Equipment	54200		\$1,000	\$1,000		
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$55,853	\$79,700	\$141,700	\$62,000	77.79%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$126,300	\$35,781	\$234,675	\$198,894	555.86%
<b>Total Expenditures</b>		\$746,152	\$595,480	\$732,357	\$136,877	22.99%



Vehicle Buy-Back Program		312
<b>Managing Division:</b> Strategic Incentives		
<b>Contact Person:</b> Anthony Fournier		
<b>Program Purpose:</b> Accelerate the removal of high-emitting vehicles from the on-road motor vehicle fleet within the District's jurisdiction.		
<b>Description of Program:</b> The program removes high-emitting motor vehicles from the region's roadways by purchasing and scrapping eligible vehicles from registered owners on a voluntary basis.		
<b>Justification of Change Request:</b> No change.		
<b>Activities</b>		
Implement procurement process for vehicle scrapping services.		
Oversee contractor's purchase and scrapping of vehicles.		
Respond to inquiries regarding Vehicle Buy-Back Program.		
Implement procurement process for direct mail campaign services.		
Oversee contractor's direct mailings.		
Acquire and update Department of Motor Vehicles (DMV) database used for direct mail annually.		
Develop and update Vehicle Buy-Back outreach materials.		
Conduct site visits of dismantling yards and dismantler offices.		
Manage suppression list and update DMV database.		
Review and approve scrapping contractor invoices.		
Review and approve direct mail contractor invoices.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Implement the Vehicle Buy-Back program, monitor contractor performance, review/ pay program invoices.		Ongoing
Report program expenditures to the California Air Resources Board (CARB)		8/31/19

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

Vehicle Buy Back Program

312

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.23	0.65	0.37	(0.28)	(43.08%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$18,570	\$65,968	\$34,145	(\$31,823)	(48.24%)
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$287	\$942	\$487	(\$455)	(48.30%)
Pension Benefits	51400	\$4,119	\$12,941	\$7,172	(\$5,768)	(44.57%)
FICA Replacement Benefits	51500	\$210	\$1,122	\$649	(\$473)	(42.18%)
Group Insurance Benefits	51600	\$2,968	\$8,187	\$5,114	(\$3,073)	(37.53%)
Employee Transportation Subsidy	51700	\$219	\$874	\$519	(\$355)	(40.66%)
Workers' Compensation	51800	\$56	\$377	\$210	(\$166)	(44.20%)
Other Post-Employment Benefits	51850	\$1,931	\$6,549	\$3,654	(\$2,895)	(44.20%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$28,360	\$96,960	\$51,952	(\$45,008)	(46.42%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500		\$ 00		(\$100)	(100.00%)
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$2,830,851	\$7,200,000	\$7,200,000		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$2,830,851	\$7,200,100	\$7,200,000		
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$6,351				
<b>Total Expenditures</b>		\$2,865,562	\$7,297,060	\$7,251,952	(\$45,108)	(0.62%)

**Miscellaneous Incentive Programs**

**316**

**Managing Division:**

Strategic Incentives

**Contact Person:**

Chengfeng Wang

**Program Purpose:**

Administer new, one-time pass through, sources of funding to implement emissions reductions projects

**Description of Program:**

Each year the Air District receives grant revenues from sources such as the Bay Area Clean Air Foundation, State of California, Federal government, and settlement agreements that augment and complement funding from its other perennial sources of funding. Grant funding from these sources is often awarded to the District through a competitive solicitation process that results in funding that can be used to support specific projects for a limited and specified period (e.g., 1 to 2 years).

**Justification of Change Request:**

**Activities**

Research opportunities and prepare and submit applications for new sources of funding from the State of California, Federal government and other sources.

Develop policies and guidelines, issue calls for projects, conduct workshops, attend meetings, and outreach to potential project sponsors.

Review, evaluate and rank project applications to determine their eligibility and award amount, and prepare associated project documents (contracts, letters, reports, and communications).

Prepare recommendations for award of eligible projects for approval by the Air District's Board of Directors.

Monitor, inspect, and audit funded programs and projects to assure compliance of applicable guidelines, policies, and statutory and regulatory requirements.

Review progress reports, process reimbursement requests, and ensure project files are complete and up to date.

Prepare technical, financial, and staff reports.

**Major Objectives**

**Delivery Date**

Research opportunities and apply for funding.

Ongoing

Develop policies and guidelines, issue calls for projects, conduct workshops, attend meetings, and outreach to potential project sponsors.

Ongoing

Review and evaluate applications, prepare recommendations for award of eligible projects, prepare associated project documents (contracts, letters, reports, and communications).

Ongoing

Monitor, inspect, and audit funded programs and projects; review progress reports, process reimbursement requests, and ensure project files are complete and up to date; and prepare technical, financial, and staff reports.

Ongoing

## Miscellaneous Incentive Programs

316

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.49	1.64	0.84	(0.80)	(48.78%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$53,959	\$212,167	\$97,119	(\$115,048)	(54.23%)
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$831	\$3,040	\$1,390	(\$1,650)	(54.28%)
Pension Benefits	51400	\$4,888	\$40,556	\$20,056	(\$20,500)	(50.55%)
FICA Replacement Benefits	51500	\$589	\$2,863	\$1,473	(\$1,390)	(48.54%)
Group Insurance Benefits	51600	\$8,316	\$26,742	\$13,973	(\$12,769)	(47.75%)
Employee Transportation Subsidy	51700	\$617	\$660	\$1,177	\$517	78.31%
Workers' Compensation	51800	\$163	\$950	\$477	(\$473)	(49.79%)
Other Post-Employment Benefits	51850	\$5,611	\$16,524	\$8,296	(\$8,228)	(49.79%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$74,973	\$303,504	\$143,962	(\$159,542)	(52.57%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$7,700	\$6,300	(\$1,400)	(18.18%)
Travel Out-Of-State	52225		\$5,000		(\$5,000)	(100.00%)
Training & Education	52300		\$3,000		(\$3,000)	(100.00%)
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$57,952	\$4,000	\$4,000		
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$57,952	\$19,700	\$10,300	(\$9,400)	(47.72%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$23,552				
<b>Total Expenditures</b>		\$132,925	\$323,204	\$154,262	(\$168,942)	(52.27%)

<b>Light Duty Electric Vehicles</b>		<b>317</b>
<b>Managing Division:</b> Technology Implementation Office		
<b>Contact Person:</b> Ranyee Chiang		
<b>Program Purpose:</b> Administer funding, outreach, and planning to accelerate the adoption of light-duty (passenger) electric vehicles (EVs) and EV infrastructure in the Bay Area.		
<b>Description of Program:</b> The Air District's 2017 Clean Air Plan established a goal of 90% of Bay Area vehicles being zero emissions by 2050. To support this goal, this program incentives publicly available charging infrastructure, vehicle fleets, vehicles for low-income consumers. This program includes the Charge! Program for EV infrastructure, Clean Fleets for light-duty vehicle fleets, and the Clean Cars For All program for low income residents in impacted communities. To complement and increase utilization of the incentives programs, this program also includes outreach, regional coordination, and planning to remove potential barriers and accelerate EV deployment throughout the Bay Area.		
<b>Justification of Change Request:</b> New grant funding from the California Air Resources Board and Federal Highway Administration to expand incentives for low-income consumers (ARB) and support outreach, partnership, and planning (FHWA).		
<b>Activities</b>		
Administer grant programs, including updating policies and guidelines, conducting outreach, preparing program documents and communications, processing reimbursement requests, tracking project status, and conducting audits, for Charge!, Clean Fleets, and Clean Cars For All.		
Organize and participate in workgroups and events to increase awareness about PEVs, support deployment, sharing best practices, and regional coordination.		
Conduct analyses and planning to inform Air District strategy and programs.		
Prepare technical, financial, and staff reports.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Complete market research study on consumers and EV market actors		12/31/2019
Complete awards for first tranche of funding (2018-2020) available for Clean Cars For All program, including outreach to eligible communities and residents.		5/31/2020
Migrate Charge! Program to an online grant management system.		6/30/2020
Submit Bay Area EV Acceleration Plan to Board		6/30/2020
Organize quarterly Bay Area EV Coordinating Council meetings		Ongoing

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.57	6.98	6.08	(0.90)	(12.89%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$166,399	\$736,285	\$641,671	(\$94,614)	(12.85%)
Overtime Salaries	51150	\$1,347	\$25,000	\$2,000	(\$23,000)	(92.00%)
Temporary Salaries	51200	\$16,829				
Payroll Taxes	51300	\$2,532	\$10,886	\$9,203	(\$1,683)	(15.46%)
Pension Benefits	51400	\$16,044	\$139,652	\$134,731	(\$4,920)	(3.52%)
FICA Replacement Benefits	51500	\$1,710	\$12,094	\$10,665	(\$1,429)	(11.82%)
Group Insurance Benefits	51600	\$24,103	\$92,152	\$58,908	(\$33,244)	(36.08%)
Employee Transportation Subsidy	51700	\$1,791	\$2,583	\$8,522	\$5,939	229.94%
Workers' Compensation	51800	\$503	\$4,044	\$3,453	(\$591)	(14.61%)
Other Post-Employment Benefits	51850	\$17,303	\$70,327	\$60,049	(\$10,278)	(14.61%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$248,562	\$1,093,023	\$929,201	(\$163,822)	(14.99%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200	\$1,674	\$15,500	\$9,000	(\$6,500)	(41.94%)
Travel Out-Of-State	52225	\$10,205	\$12,100	\$7,000	(\$5,100)	(42.15%)
Training & Education	52300	\$1,375	\$8,000	\$3,000	(\$5,000)	(62.50%)
Repair & Maintenance (Equipment)	52400					
Communications	52500			\$1,000	\$1,000	
Building Maintenance	52600					
Utilities	52700					
Postage	52800					
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$46,292	\$513,000	\$524,000	\$11,000	2.14%
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800			\$54,300	\$54,300	
Stationery & Office Supplies	53900		\$500	\$250	(\$250)	(50.00%)
Books & Journals	54100		\$200	\$250	\$50	25.00%
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$59,547	\$549,300	\$598,800	\$49,500	9.01%
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$12,479				
<b>Total Expenditures</b>		\$308,109	\$1,642,323	\$1,528,001	(\$114,322)	(6.96%)

<b>Enhanced Mobile Source Inspections</b>		<b>318</b>
<b>Managing Division:</b> Compliance and Enforcement		
<b>Contact Person:</b> Juan Ortellado		
<b>Program Purpose:</b> Conduct enhanced inspection patrols to report smoking vehicles to promote repair or retirement of these vehicles to protect public health. Conduct enhanced inspections to enforce drayage truck and related truck/mobile source regulations at, and adjacent to, the Port of Oakland.		
<b>Description of Program:</b> The enhanced mobile source inspection program is conducted to reduce particulate matter (PM) emissions throughout the Bay Area and PM and other emissions specifically at, and adjacent to, the Port of Oakland. Enhanced enforcement patrols are conducted for smoking vehicles. All Air District inspectors patrol for smoking vehicles on the road, between performing inspections and answering complaints. Smoking vehicles are reported to Air District dispatchers; owner information is extracted from Department of Motor Vehicles (DMV) records. Letters are sent to owners to request that they repair or retire the respective vehicles; compliance assistance materials are included. Enhanced enforcement of the State drayage truck regulation (DTR) and related truck/mobile source regulations is conducted at, and adjacent to, the Port of Oakland. Targeted enforcement includes ensuring compliance with required upgrades and modifications to engine model year 2010 and newer for drayage trucks. Enhanced patrols and enforcement are conducted to ensure that illegal dray-off activities and excess idling are not performed. Compliance checks of mobile source equipment and vehicles are conducted to verify adherence to State regulations. Compliance assistance materials are developed; outreach is conducted with truckers and other mobile source operators regarding regulation(s) requirements, compliance deadlines and the availability of Air District grants.		
<b>Justification of Change Request:</b>		
<b>Activities</b>		
Smoking Vehicles: Conduct inspection patrols for smoking vehicles. Vehicle owners are identified using DMV records. Notification letters are sent to vehicle owners to inform them of the vehicle's excess emissions and to request that they repair the vehicle or contact assistance programs to retire the vehicle.		
Port Trucks Compliance Assurance: Conduct enhanced mobile source inspections at and adjacent to the Port of Oakland for compliance with the State DTR and related truck/mobile source regulations. Additional inspections are conducted and targeted at ensuring upgrades and modifications to engine model year 2010 and newer trucks in compliance with the requirements of Phase 1 and Phase 2 of the California Air Resources Board's DTR. Additional focused inspections are conducted for compliance with dray-off provisions of the regulation and to ensure that non-compliant trucks do not enter the Port. Air District staff also verify compliance with State mobile source regulations pursuant to the Air District's Mobile Source Compliance Plan.		
Port Trucks Enforcement: Conduct investigations and inspections, issue and process Notice of Violations for trucks and other mobile sources found in non-compliance.		
Port Trucks Compliance Assistance: Develop fact sheets, posters and other outreach materials to provide to Port operators and truckers on regulatory requirements, upcoming compliance dates and the availability of Air District grants. Develop compliance assistance materials for related mobile source regulatory requirements. Provide compliance assistance during inspections and following enforcement actions; provide bilingual assistance where needed. Identify and translate compliance assistance materials. Participate in Trucker Workgroup meetings at the Port, as needed.		
<b>Major Objectives</b>		<b>Delivery Date</b>

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.06	0.14	0.16	0.02	17.82%
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$3,341	\$15,831	\$13,303	(\$2,528)	(15.97%)
Overtime Salaries	51150					
Temporary Salaries	51200	\$16,623				
Payroll Taxes	51300	\$53	\$227	\$189	(\$37)	(16.38%)
Pension Benefits	51400	\$21,816	\$3,146	\$2,822	(\$324)	(10.31%)
FICA Replacement Benefits	51500	\$39	\$234	\$281	\$46	19.73%
Group Insurance Benefits	51600	\$554	\$2,365	\$2,792	\$416	17.61%
Employee Transportation Subsidy	51700	\$41	\$89	\$224	\$135	151.04%
Workers' Compensation	51800	\$10	\$79	\$91	\$12	15.49%
Other Post-Employment Benefits	51850	\$347	\$1,368	\$1,580	\$212	15.49%
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$42,826	\$23,339	\$21,272	(\$2,068)	(8.86%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200					
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500	\$2,576	\$3,000	\$3,000		
Building Maintenance	52600					
Utilities	52700					
Postage	52800		\$4,000	\$4,000		
Printing & Reproduction	52900		\$8,000	\$8,000		
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300	\$2,795	\$250,000		(\$250,000)	(100.00%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>		\$5,371	\$265,000	\$15,000	(\$250,000)	(94.34%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$20,839	\$475,866	\$9,572	(\$466,294)	(97.99%)
<b>Total Expenditures</b>		\$69,036	\$764,205	\$45,844	(\$718,362)	(94.00%)



<b>Commuter Benefits Program</b>		<b>319</b>
<b>Managing Division:</b> Compliance and Enforcement		
<b>Contact Person:</b> Juan Ortellado		
<b>Program Purpose:</b> Implementation of the Commuter Benefits Program, per the requirements of Air District Regulation 14-1.		
<b>Description of Program:</b> As part of the implementation of the Commuter Benefits Program, staff plans to continue performing education, outreach, monitoring, and tracking of approximately 10,000 Bay Area employers subject to the program. Enforcement actions will be taken as appropriate.		
<b>Justification of Change Request: None.</b>		
<b>Activities</b>		
Perform outreach to affected employers.		
Continue education campaign for affected employers.		
Perform tracking and monitoring of program.		
Facilitate data reporting and storage for affected employers.		
Coordinate activities with Metropolitan Transportation Commission's 511.org.		
Prepare and implement a compliance and enforcement system.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Conduct outreach and education.		Ongoing
Prepare and implement a compliance and enforcement system.		6/30/20

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**Commuter Benefits Program**

**319**

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		0.14		0.80	0.80	
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$8,098		\$106,248	\$106,248	
Overtime Salaries	51150					
Temporary Salaries	51200					
Payroll Taxes	51300	\$112		\$1,523	\$1,523	
Pension Benefits	51400	\$555		\$23,198	\$23,198	
FICA Replacement Benefits	51500	\$55		\$1,403	\$1,403	
Group Insurance Benefits	51600	\$771		\$14,522	\$14,522	
Employee Transportation Subsidy	51700	\$58		\$1,121	\$1,121	
Workers' Compensation	51800	\$24		\$454	\$454	
Other Post-Employment Benefits	51850	\$842		\$7,901	\$7,901	
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$10,515		\$156,372	\$156,372	
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$6,000	\$6,000		
Travel Out-Of-State	52225					
Training & Education	52300					
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700					
Postage	52800			\$5,000	\$5,000	
Printing & Reproduction	52900					
Equipment Rental	53100					
Rents & Leases	53200					
Professional Services & Contracts	53300		\$250,000		(\$250,000)	(100.00%)
General Insurance	53400					
Shop & Field Supplies	53500					
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800					
Stationery & Office Supplies	53900					
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54600					
<b>Total Services &amp; Supplies Expenditures</b>			\$256,000	\$11,000	(\$245,000)	(95.70%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	\$5,117		\$70,367	(\$70,367)	
<b>Total Expenditures</b>		\$15,632	\$256,000	\$237,739	(\$18,261)	(7.13%)

**California Goods Movement Bond - Grants Administration**

**323**

**Managing Division:**

Strategic Incentives

**Contact Person:**

Anthony Fournier

**Program Purpose:**

The purpose of this program is to protect public health by reducing emissions associated with goods movement activities.

**Description of Program:**

In 2007, the California State Legislature enacted Senate Bill 88 authorizing \$1 billion in bond funding over four years for projects to protect public health from emissions associated with goods movement activities. In FYE 2020 staff will continue administration of the Year 5 round of program funding, monitor progress in implementing funded projects, work to ensure projects are completed as required, disburse grant funds by the specified deadlines, and report on project status and use of funds. Funding from AB134 (2017) will be primarily administered through the Carl Moyer Program and Proposition 1B Goods Movement Program.

**Justification of Change Request:**

**Activities**

- Develop policies and procedures for the administration of the Goods Movement Bond Program (GMP).
- Conduct outreach to interested parties and provide application assistance.
- Evaluate grant applications for eligibility with GMP guidelines.
- Conduct inspections of the baseline and funded project equipment.
- Prepare grant award recommendations and coordinate the execution of funding agreements for the selected projects.
- Administer and monitor projects that have been awarded GMP grants.
- Prepare and submit reports to the California Air Resources Board (CARB) on the implementation of the GMP.
- Monitor, inspect, and audit current and previously funded programs and projects to assure compliance with State and Air District guidelines, policies, and statutory and regulatory requirements.
- Prepare technical, financial, and staff reports.

**Major Objectives**

**Delivery Date**

- |  |            |
|--|------------|
| Monitor Year 5 projects, ensure projects are completed and paid on schedule.                 | 12/31/2019 |
| Conduct project inspections, review applications, and prepare reports for submittal to CARB. | 12/31/2019 |
| Monitor the performance of previously funded GMP projects.                                   | Ongoing    |

		FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>		1.09	2.73	0.84	(1.89)	(69.23%)
<b>Personnel Expenditures</b>						
Permanent Salaries	51105	\$157,692	\$328,124	\$89,194	(\$238,930)	(72.82%)
Overtime Salaries	51150					
Temporary Salaries	51200	\$2,558				
Payroll Taxes	51300	\$2,452	\$4,698	\$1,275	(\$3,423)	(72.85%)
Pension Benefits	51400	\$41,358	\$63,145	\$18,787	(\$41,358)	(70.25%)
FICA Replacement Benefits	51500	\$1,794	\$4,723	\$1,473	(\$3,250)	(68.80%)
Group Insurance Benefits	51600	\$25,323	\$41,693	\$17,451	(\$24,242)	(58.14%)
Employee Transportation Subsidy	51700	\$2,335	\$1,359	\$1,177	(\$182)	(13.39%)
Workers' Compensation	51800	\$476	\$1,582	\$477	(\$1,105)	(69.84%)
Other Post-Employment Benefits	51850	\$16,398	\$27,506	\$8,296	(\$19,210)	(69.84%)
Board Stipends	51900					
<b>Total Personnel Expenditures</b>		\$250,386	\$472,830	\$138,131	(\$334,699)	(70.79%)
<b>Services &amp; Supplies Expenditures</b>						
Travel In-State	52200		\$2,000	\$2,000		
Travel Out-Of-State	52225					
Training & Education	52300		\$1,500	\$1,500		
Repair & Maintenance (Equipment)	52400					
Communications	52500					
Building Maintenance	52600					
Utilities	52700	\$210	\$400		(\$400)	(100.00%)
Postage	52800		\$100		(\$100)	(100.00%)
Printing & Reproduction	52900		\$500	\$500		
Equipment Rental	53100					
Rents & Leases	53200	\$3,585	\$30,000		(\$30,000)	(100.00%)
Professional Services & Contracts	53300	\$14,903	\$50,000	\$50,000		
General Insurance	53400					
Shop & Field Supplies	53500		\$3,000	\$3,000		
Laboratory Supplies	53600					
Gasoline & Variable Fuel	53700					
Computer Hardware & Software	53800		\$1,500	\$1,500		
Stationery & Office Supplies	53900		\$1,000	\$1,000		
Books & Journals	54100					
Minor Office Equipment	54200					
Depreciation & Amortization	54300					
Non-Capital Assets	54400					
<b>Total Services &amp; Supplies Expenditures</b>		\$18,699	\$90,000	\$59,500	(\$30,500)	(33.89%)
<b>Capital Expenditures</b>						
Leasehold Improvements	60100					
Building & Grounds	60105					
Office Equipment	60110					
Computer & Network Equipment	60115					
Motorized Equipment	60120					
Lab & Monitoring Equipment	60125					
Communications Equipment	60130					
General Equipment	60135					
PM 2.5 Equipment	60140					
Biowatch Equipment	60145					
<b>Total Capital Expenditures</b>						
<b>Transfer Out</b>	70005	(\$57,574)	(\$412,830)	(\$47,631)	(\$365,199)	88.46%
<b>Total Expenditures</b>		\$211,510	\$150,000	\$150,000	(\$0)	(0.00%)

<b>Vehicle Mitigation (VW Trust)</b>		<b>324</b>
<b>Managing Division:</b> Strategic Incentives		
<b>Contact Person:</b> Chengfeng Wang		
<b>Program Purpose:</b> The purpose of this program is to mitigate the lifetime excess oxides of nitrogen (NOx) emissions caused by VW's use of an illegal defeat device.		
<b>Description of Program:</b> On May 25, 2018, the California Air Resources Board (CARB) approved the Volkswagen Environmental Mitigation Trust (VW Trust) Beneficiary Mitigation Plan and approved the selection of the Bay Area Air District to administer Trust funding on a statewide-basis for the zero-emission freight and marine and the light-duty zero emission vehicle infrastructure categories.  The Trust is an element of the settlement with VW for their use of an illegal defeat device and is intended to fully mitigate the lifetime excess oxides of nitrogen (NOx) emissions caused by VW's actions. CARB is the designated Lead Agency acting on the State's behalf as beneficiary to implement California's \$423 million in VW Trust funds for eligible project categories, including \$77 million to fund zero-emission freight and marine projects, such as forklifts and port cargo handling equipment, airport ground support equipment, oceangoing vessel shore power, zero-emission ferry, tugboat, and towboat repowers, and \$11 million to fund light-duty electric vehicle charging and hydrogen fueling infrastructure projects.  In FYE 2020 staff will work with CARB and other air districts to develop and update the Implementation Manual, develop and maintain a Program website and a grants management system, conduct public outreach, issue a solicitation, evaluate project applications, recommend award for funding, execute contracts with grantees, monitor project progress, and report the use of funds, etc.		
<b>Justification of Change Request:</b> New Program for FY 2020 to account for VW projects.		
<b>Activities</b>		
Develop Program Implementation Manual.		
Conduct outreach and workgroup meetings		
Prepare funding disbursement requests.		
Develop & maintain grants management system.		
Develop & maintain program website.		
Develop program solicitation package and open the solicitation.		
Evaluate applications and prepare recommendations for awards.		
Contract with selected grantees.		
Inspect and monitor projects.		
Review project invoices and process payments.		
Prepare and submit funding disbursement requests and reports to CARB.		
<b>Major Objectives</b>		<b>Delivery Date</b>
Conduct outreach and workgroup meetings		7/31/2019
Develop data management system and Program website		7/31/2019
Prepare and update Program Implementation Manual as needed		6/30/2020
Issue a solicitation for applications, evaluate project applications, recommend award for funding, execute contracts with grantees, monitor project progress, and report the use of funds		6/30/2020

	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>			5.12	5.12	
<b>Personnel Expenditures</b>					
Permanent Salaries	51105		\$584,809	\$584,809	
Overtime Salaries	51150				
Temporary Salaries	51200				
Payroll Taxes	51300		\$8,370	\$8,370	
Pension Benefits	51400		\$117,757	\$117,757	
FICA Replacement Benefits	51500		\$8,981	\$8,981	
Group Insurance Benefits	51600		\$103,502	\$103,502	
Employee Transportation Subsidy	51700		\$7,176	\$7,176	
Workers' Compensation	51800		\$2,908	\$2,908	
Other Post-Employment Benefits	51850		\$50,568	\$50,568	
Board Stipends	51900				
<b>Total Personnel Expenditures</b>			\$884,070	\$884,070	
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200		\$27,600	\$27,600	
Travel Out-Of-State	52225				
Training & Education	52300				
Repair & Maintenance (Equipment)	52400				
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300		\$423,400	\$423,400	
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54400				
<b>Total Services &amp; Supplies Expenditures</b>			\$451,000	\$451,000	
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005		\$397,832	(\$397,832)	
<b>Total Expenditures</b>			\$1,732,902	\$1,732,902	

<b>Community Engagement - Special Project</b>		<b>325</b>
<b>Managing Division:</b> Community Engagement and Policy Division		
<b>Contact Person:</b> Luz Gomez		
<b>Program Purpose:</b> This program will implement Supplemental Environmental Program (SEP) funded by the California Air Resources Board (CARB). The goal of the program is to provide high efficiency indoor air filtration systems in some of the most impacted communities in the Bay Area.		
<b>Description of Program:</b> In 2018 the Air District applied for a Supplemental Environmental Program grant from CARB and received \$2,000,000 to provide air filtration systems at sensitive receptor facilities in disproportionately impacted and disadvantaged communities in the Bay Area. During FY20 the program will focus on providing filtration to public elementary schools in priority communities identified through AB 617. The Air District will contract with a provider to do site assessment, installation and maintenance.		
<b>Justification of Change Request:</b> The Air District received the funds in early 2019, and there will be no impact on the Air District's general fund.		
<b>Activities</b>		
Supplemental Environmental Projects (SEP): program to install air filtration systems at schools in AB 617 priority communities		
Identify high priority schools for air filtration systems		
Enter into a contract with IQ Air for filtration system site assessment, installation and 5-year maintenance at each school		
Provide program and contract oversight		
<b>Major Objectives</b>		<b>Delivery Date</b>
Implement first CARB SEP for filtration systems at elementary schools in AB 617 priority communities		6/30/2020

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	FYE 2018 Audited Program Expenditures	FYE 2019 Approved Program Budget	FYE 2020 Proposed Program Budget	FTE/Dollar Change	Percent Change
<b>Number of Positions (FTE)</b>			0.50	0.50	
<b>Personnel Expenditures</b>					
Permanent Salaries	51105		\$59,801	\$59,801	
Overtime Salaries	51150				
Temporary Salaries	51200				
Payroll Taxes	51300		\$856	\$856	
Pension Benefits	51400		\$13,277	\$13,277	
FICA Replacement Benefits	51500		\$877	\$877	
Group Insurance Benefits	51600		\$10,038	\$10,038	
Employee Transportation Subsidy	51700		\$701	\$701	
Workers' Compensation	51800		\$284	\$284	
Other Post-Employment Benefits	51850		\$4,938	\$4,938	
Board Stipends	51900				
<b>Total Personnel Expenditures</b>			\$90,773	\$90,773	
<b>Services &amp; Supplies Expenditures</b>					
Travel In-State	52200				
Travel Out-Of-State	52225				
Training & Education	52300				
Repair & Maintenance (Equipment)	52400				
Communications	52500				
Building Maintenance	52600				
Utilities	52700				
Postage	52800				
Printing & Reproduction	52900				
Equipment Rental	53100				
Rents & Leases	53200				
Professional Services & Contracts	53300		\$750,000	\$750,000	
General Insurance	53400				
Shop & Field Supplies	53500				
Laboratory Supplies	53600				
Gasoline & Variable Fuel	53700				
Computer Hardware & Software	53800				
Stationery & Office Supplies	53900				
Books & Journals	54100				
Minor Office Equipment	54200				
Depreciation & Amortization	54300				
Non-Capital Assets	54400				
<b>Total Services &amp; Supplies Expenditures</b>			\$750,000	\$750,000	
<b>Capital Expenditures</b>					
Leasehold Improvements	60100				
Building & Grounds	60105				
Office Equipment	60110				
Computer & Network Equipment	60115				
Motorized Equipment	60120				
Lab & Monitoring Equipment	60125				
Communications Equipment	60130				
General Equipment	60135				
PM 2.5 Equipment	60140				
Biowatch Equipment	60145				
<b>Total Capital Expenditures</b>					
<b>Transfer Out</b>	70005				
<b>Total Expenditures</b>			\$840,773	\$840,773	



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BUDGET AND FINANCE COMMITTEE  
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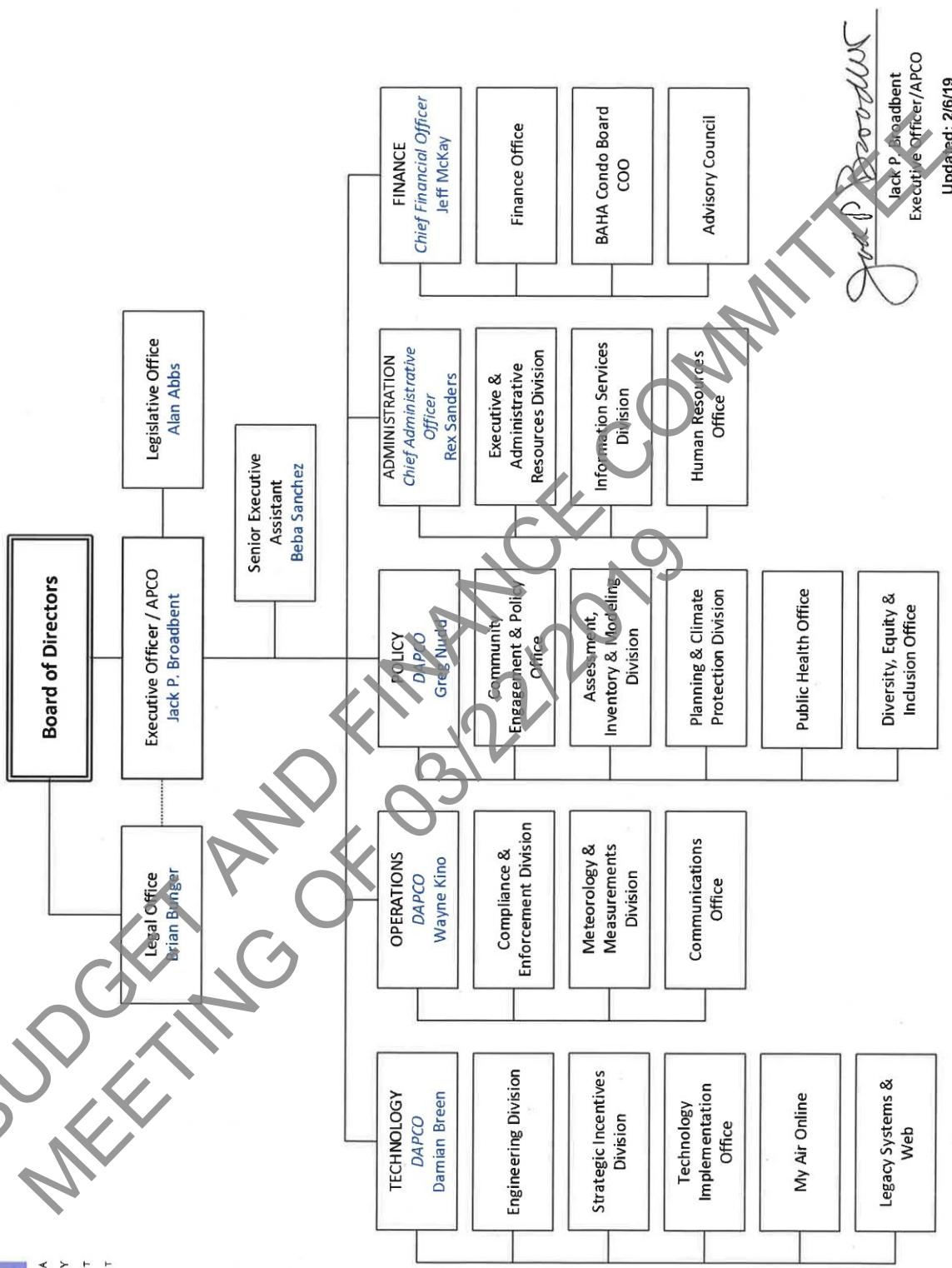
## **APPENDICES**

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019

# APPENDIX A

## PROGRAM ORGANIZATIONAL CHART SUMMARY

### Bay Area Air Quality Management District Organizational Chart



*Jack P. Broadbent*  
Jack P. Broadbent  
Executive Officer/APCO

Updated: 2/6/19

BUDGET AND FINANCE COMMITTEE MEETING OF 03/22/2019

## APPENDIX B

### SELECTED LEGAL REQUIREMENTS

The following highlights selected major legal requirements regarding the use and collection of funds that are considered when developing and reviewing the Air District's budget:

1. Federal law requires that the Air District collect fees from affected facilities to fund the implementation of Title V of the Federal Clean Air Act (42 U.S.C. Section 7401, *et seq.* and implementing regulations in 40 CFR Parts 60 and 70). Implementation of Title V includes all activities involved in the review, issuance, and enforcement of Title V Permits. "Affected facilities" include all major stationary sources as defined in the Federal Clean Air Act.
2. Revenue received by the Air District pursuant to *California Health and Safety Code* Section 44220, *et seq.* (Transportation Fund for Clean Air (TFCA)) may only be used to fund approved projects, and certain expenditures incurred for administration of the TFCA program, including audits. The expenditures for the administration of TFCA grants are contained in the Transportation Fund for Clean Air Administration.
3. Permit fee revenue may only be used to fund activities associated with the permitting, monitoring, and enforcement of regulations affecting permitted stationary sources. Past audits of District activities have shown that the Air District's programs meet this test.
4. Funding from several sources, including grants, is restricted, and thus may only be used to fund certain activities. Air District accounts are periodically audited to ensure that such funds are used appropriately.
5. *California Health and Safety Code* Section 40131(a)(3) requires that two public hearings be held regarding the adoption of the District budget. The first hearing is for the exclusive purpose of reviewing the budget and providing the public with the opportunity to comment upon the proposed budget. This hearing must be separate from the hearing at which the District adopts its budget. The adoption hearing may not be held any sooner than two weeks after the first hearing. Thirty (30) days public notice must be given before the first public hearing.
6. The Maintenance of Effort (MOE) level refers to a Federal EPA Section 105 grant condition. This condition states that, "No agency shall receive any grant under this section during any fiscal year when its expenditures of non-Federal funds for recurrent expenditures for air pollution control programs will be less than its expenditures were for such programs during the preceding fiscal year unless the Administrator, after notice and opportunity for public hearing, determines that a reduction in expenditures is attributable to a non-selective reduction in the expenditures in the programs of all Executive branch agencies of the applicable unit of Government." Depending on the expenditures reported on the Federal Status Report (FSR) at the conclusion of the federal FYE 2019, receipt of the Federal grant funds for FYE 2020 could be delayed or jeopardized because of this MOE requirement.

## APPENDIX C

### GENERAL FUND BALANCE AND LIABILITIES

FUND BALANCES	6/30/2018 Audited	6/30/2019 Projected	6/30/2020 Projected
DESIGNATED: *			
Diversity Equity & Inclusion	100,000	0	0
Economic Contingency	17,390,311	19,084,769	20,082,966
IT- Event Response	500,000	0	0
Litigation	500,000	0	0
Napa/Sonoma Fireplace Replacement Grant	1,000,000	1,000,000	1,000,000
Pension Liability	1,000,000	1,000,000	1,000,000
Tech- Meterological Network Equipment	131,100	0	0
Tech- Mobile Monitoring Instruments	80,000	0	0
Technology Implementation Office	3,350,000	0	0
GHG Abatement Technology Study	1,500,000	0	0
Woodchip Program	150,000	0	0
Woodsmoke Grant	1,000,000	1,000,000	1,000,000
Worker's Comp Self -Funding	1,000,000	0	0
<b>TOTAL DESIGNATED</b>	<b>\$27,701,411</b>	<b>\$22,084,769</b>	<b>\$23,082,966</b>
UNDESIGNATED	18,101,141	8,046,671	3,048,474
<b>TOTAL DESIGNATED &amp; UNDESIGNATED</b>	<b>\$45,802,552</b>	<b>\$30,131,152</b>	<b>\$26,131,152</b>
BUILDING PROCEEDS:	4,668,200	209,489	209,489
<b>TOTAL FUND BALANCE</b>	<b>\$50,470,752</b>	<b>\$30,340,641</b>	<b>\$26,340,641</b>
* Designated Fund Balances are subject to change at Board's discretion.			
<b>UNFUNDED LIABILITIES (Based on 2017 Actuarial Valuation Report)</b>			
CalPERS Pension Retirement			74,654,496
Other Post Employment Benefits			18,840,854
<b>TOTAL UNFUNDED LIABILITIES</b>			<b>\$93,495,350</b>
<b>CERTIFICATE OF PARTICIPATION NOTES (Est. @June 2018)</b>			<b>\$26,956,830</b>

## APPENDIX C

### GENERAL FUND BALANCE AND LIABILITIES

APPENDIX C depicts the actual unrestricted funds at the end of FYE 2018, as well as, the projected amount for FYE 2019 and FYE 2020. For FYE 2019, a recommendation of \$4.0 million is to fund projects using a revolving loan arrangement to leverage these funds. For FYE 2020, a recommendation of \$4.0 million is to fund building improvements for the Air District's Richmond Office. In an effort to remain fiscally prudent, the District established an economic contingency reserve policy (greater than 20% of General Fund operating expense) to ensure the stability of services for a period of time and the ability to set aside funds for anticipated projects and future obligations. During the budget process, staff recommends designations for the remaining fund balance. The following is a brief description summarizing designated categories as shown in the table on the previous page:

- Diversity Equity & Inclusion established in FYE2018 for education and training.
- Economic Contingency was established in FYE2008 at the request of the Board for unplanned expenditures and/or unanticipated loss in revenues. In FYE2016, the Board approved a 20% reserve policy as a funding target.
- GHG Abatement Technology Study established in FYE2015 to provide funding, via the Air District's Clean Air Foundation, for a study into the best available control technology for greenhouse gases at permitted sources.
- IT Event Response established in FYE2014 to address information technology related incidents that compromises the District's IT systems.
- Litigation – established in FYE2017 to address uncertainties for pending litigation.
- Napa/Sonoma Fireplace Replacement Grant establish in FYE 2019 to assist fire victims rebuild home fireplaces with cleaner heating options.
- Pension Liability established in FYE2018 to reduce future rate increases to pension benefits over time.
- Tech-Meteorological Network Equipment established in FYE2014 to replace network equipment that is no longer supported and has past the end of its useful life.
- Tech- Mobile Monitoring Instruments established in FYE2014 to purchase instruments to operate the Air District's Mobile Monitoring Program.
- Woodchip Program established in FYE2018 to provide grants for alternative to burning.
- Wood Smoke Grant established in FYE2018 to extend the grants program especially to high wood smoke areas.
- Worker's Compensation established in FYE2004 as a result self-funded policy which requires the District to pay for potential claims over and above its deductible limits.
- Building Proceeds established in FYE2015 from the sale of 939 Ellis Building and will be used towards the acquisition of 375 Beale and associated obligations.

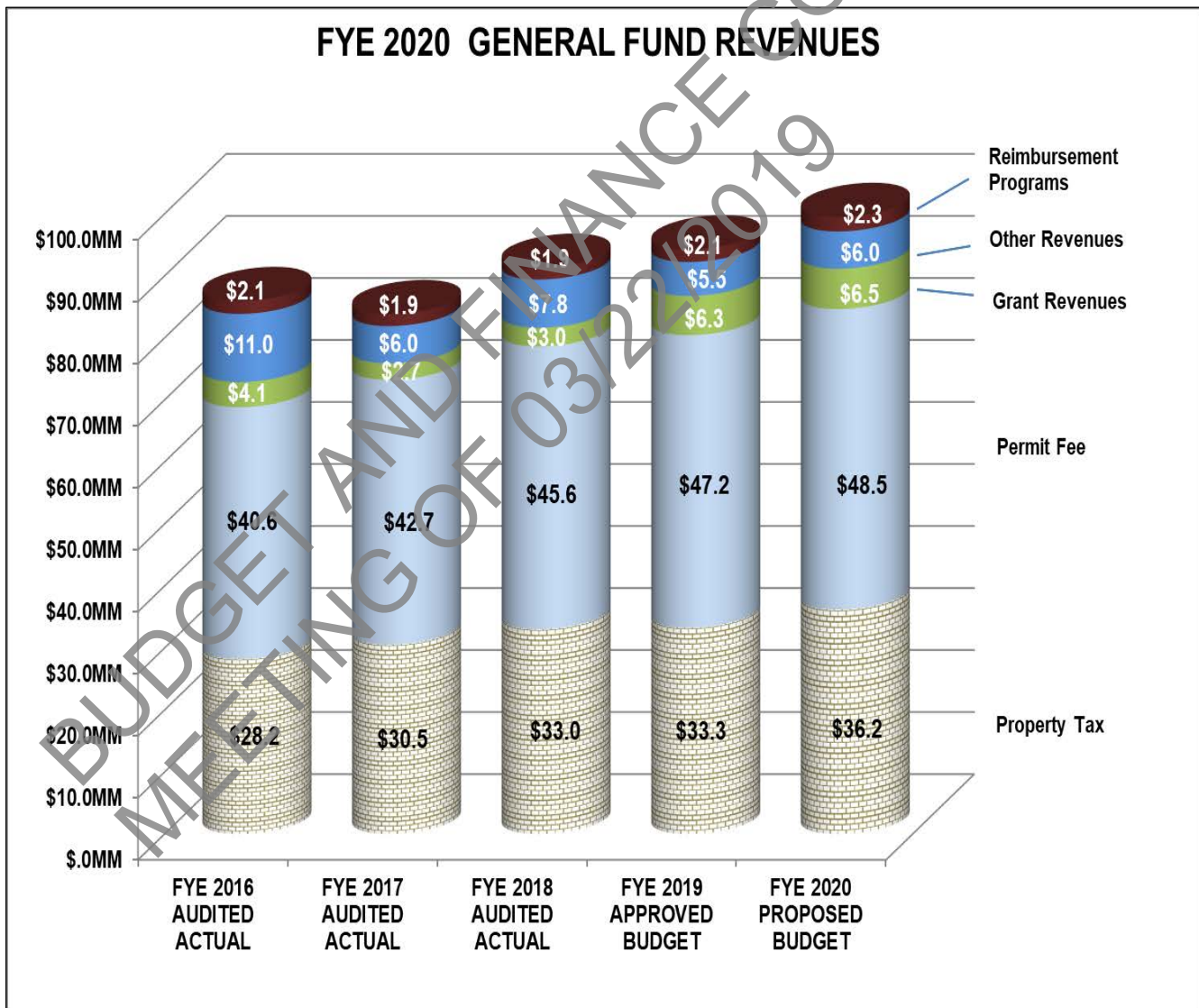
# APPENDIX D

## Figure 1

### General Fund Revenue Trends

Figure 1 below graphically displays the trends in the sources of revenue used to fund expenditures each year from FYE 2016 through FYE2018 along with the adopted and proposed budget for FYE 2019 and FYE 2020, respectively.

As seen from Figure 1, permit fees are the District's largest single source of revenue. Permit fees fluctuates from FYE 2016 through FYE 2018 as a result of certain fees being billed and collected on a two year cycle. Projected fees are expected to increase approximately 2.7 % due to proposed fee increase consistent with the Air District's cost recovery policy. County revenues experienced significant increases over the past three years as a result of increased property valuation and construction activities in the Bay Area. This revenue source is expected to continue to grow in FYE 2020. Other General Fund sources of revenue have experience slight growth as well over the year.

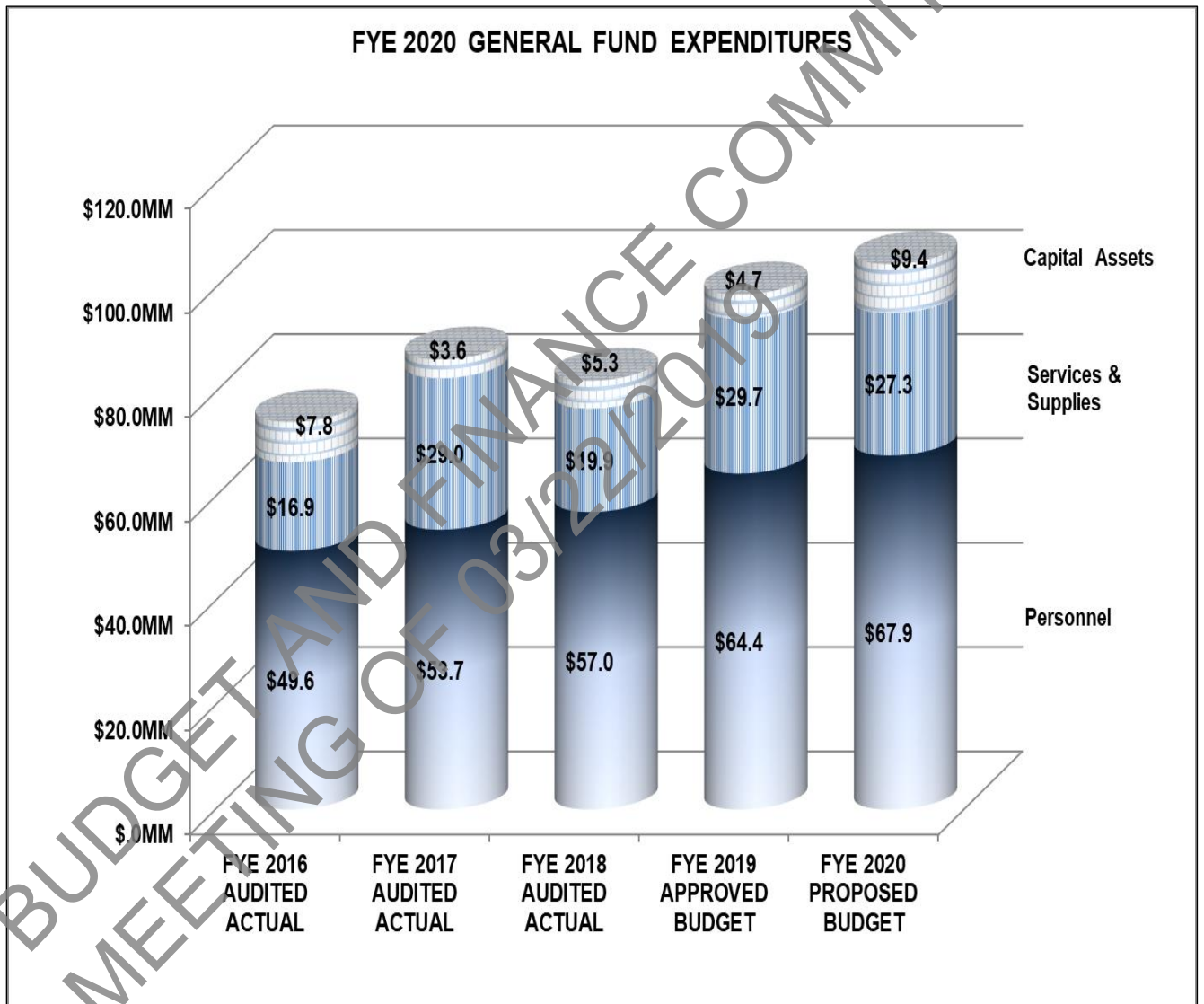


# APPENDIX E

## Figure 2

### General Fund Expenditure Trends

Below Figure 2 shows the trends in actual expenditures from FYE 2016 through FYE 2018 along with the approved and proposed budget expenditures for FYE 2019 and FYE 2020, respectively. From FYE 2016 through FYE 2020, total General Fund have risen at an average rate of 9% per year from \$74.3 million to \$104.6 million due to increased Personnel Costs, Services and Capital Programs expenditures. The FYE 2020 General Fund Proposed Budget shows a projected \$5.5 million increase in expenditures over FYE 2019; which is mainly attributed to increase General Fund Budget positions and capital building improvements.





## APPENDIX F

### General Fund 5 Year Projection

	FYE 2018 Audited Revenues & Transfers	FYE 2019 Approved Revenue & Transfers	FYE 2020 Proposed Revenue & Transfers	FYE 2021 Projected Revenue & Transfers	FYE 2022 Projected Revenue & Transfers	FYE 2023 Projected Revenue & Transfers
<b>REVENUE</b>						
Property Tax	\$33,032,767	\$33,274,701	\$36,186,420	\$38,061,812	\$39,655,708	\$40,954,287
Permits/Fees	45,592,051	\$47,172,397	\$48,456,606	\$50,359,299	\$52,338,431	\$54,397,115
Grant Revenues	4,170,943	\$3,580,726	\$4,051,341	\$4,081,855	\$4,112,675	\$4,143,803
AB 617 Funding	\$711,433	\$4,800,000	\$4,800,000	\$4,800,000	\$4,800,000	\$4,800,000
Other Revenues	7,813,990	\$5,473,349	\$6,014,260	\$6,043,882	\$6,074,087	\$6,104,884
	<u>\$91,321,183</u>	<u>\$94,301,173</u>	<u>\$99,508,627</u>	<u>\$103,346,849</u>	<u>\$106,980,900</u>	<u>\$110,400,088</u>
Transfer from Special Funds	1,110,780	\$849,835	\$1,106,205	\$1,128,329	\$1,150,896	\$1,173,914
Transfer from / (to) Fund Balance	\$ (10,244,500)	\$4,000,000	\$4,000,000	(\$355,102)	(\$386,881)	(\$185,437)
<b>TOTAL REVENUE</b>	<b>\$82,187,463</b>	<b>\$89,151,007</b>	<b>\$104,614,832</b>	<b>\$104,120,077</b>	<b>\$107,744,915</b>	<b>\$111,388,567</b>
<b>EXPENDITURES</b>						
Personnel & Benefits (net Pension/OPEB)	44,775,337	\$49,162,537	\$51,681,326	\$53,248,309	\$54,886,861	\$56,601,536
Retirement Pension	6,031,187	\$8,587,259	\$9,812,281	\$11,093,611	\$12,013,329	\$12,788,279
Other Post Employment Benefits (OPEB)	6,222,764	\$6,655,465	\$6,390,512	\$7,713,212	\$7,952,422	\$8,249,654
Services and Supplies	\$19,851,921	\$29,676,361	\$27,278,966	\$27,353,276	\$27,945,344	\$28,554,789
Capital Expenditures	15,306,054	\$4,656,556	\$9,404,116	\$4,711,668	\$4,946,959	\$5,194,307
	<u>\$82,187,463</u>	<u>\$98,738,177</u>	<u>\$104,567,201</u>	<u>\$104,120,077</u>	<u>\$107,744,915</u>	<u>\$111,388,567</u>
Transfer Out	\$0	\$412,830	\$47,631	\$0	\$0	\$0
<b>TOTAL EXPENDITURE</b>	<b>\$82,187,463</b>	<b>\$99,151,007</b>	<b>\$104,614,832</b>	<b>\$104,120,077</b>	<b>\$107,744,915</b>	<b>\$111,388,567</b>
<b>GENERAL FUND RESERVES</b>						
	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
Beginning	\$45,602,969	\$50,470,752	\$30,340,641	\$26,340,641	\$26,695,743	\$27,082,624
(Use of)/Transfer to Fund Balance	\$4,867,783	(\$7,000,000)	(\$4,000,000)	\$355,102	\$386,881	\$185,437
Building Acquisition	\$0	(\$13,130,122)				
<b>Ending General Fund Reserves</b>	<b>\$50,470,752</b>	<b>\$30,340,641</b>	<b>\$26,340,641</b>	<b>\$26,695,743</b>	<b>\$27,082,624</b>	<b>\$27,268,060</b>

# APPENDIX F

## Figure 3 and Budget Assumptions

### Revenue Assumptions

- a. **Property Tax** continues to grow as the Bay Area experiences robust construction and housing markets. The five-year forecast assumes continued growth of approximately 4% in revenues for year 2020 and 2021; thereafter, only a 3% inflationary growth in years 2022 through 2023.
- b. **Permit Fee** revenues are expected to increase annually by approximately 4% during the five-year forecast as a result of the Air District's Cost Recovery policy, which allows the Air District to increase its fee schedule to recover costs for permit related activities. The current cost recovery level of 84% is expected to drop in the current year due in part to the new and enhanced program costs. Projections suggest attainment of the 85% cost recovery policy level before the end of the five year forecast, as new and enhanced programs are fully implemented, and costs begins to level out.
- c. **Grant Revenues** remain stable based on current funding with no expected new grants anticipated through 2023.
- d. **Assembly Bill 617** funding of \$4.8 million from the State continues for the next 5 years.
- e. **Other Revenues** mainly account for penalties, State subvention, and interest income. These revenues are expected to remain stable.

### Expenditure Assumptions

- a. **Personnel** costs are projected to increase for the five-year period with a 3% annual cost of living adjustment, a slight increase in health premiums, and the filling of some open positions. No increase in staffing level (other than the filling of open positions) is anticipated for the next 5 years.
- b. **Retirement Pension** costs are rising due to recent discount rate reduction by CalPERS and escalating unfunded liability payments. The forecast assumes implementation of the Air District's approved policy to make discretionary payments to CalPERS to reduce the unfunded actuarial liability (UAL).
- c. **Other Post-Employment Benefits (OPEB)** for retiree medical benefits are projected to be approximately 100% funded by FYE 2024. After that, the \$4.0 million in discretionary funding will shift towards the CalPERS Pension Plan to reduce the UAL.
- d. **Services and Supplies** costs are projected to level off, assuming only an inflationary increase of approximately 2-3%.
- e. **Capital Expenditures** are expected to remain level, with only an inflationary increase.

**General Fund Reserves** are used to fund one-time costs, and to cover temporary revenue shortfalls. The Air District purchased additional space at 375 Beale and an East Bay facility in 2018 using approximately \$13.1 million from the reserves. Reserves are expected to stay above the minimum policy level ensuring continuation of the Air District's operations, should another economic downturn occur.

# APPENDIX G

## Definitions

**AB 434 (Assembly Bill 434)** – This enacted bill resulted in *California Health and Safety Code* Section 44241 which authorizes the District to levy a fee on motor vehicles registered in the District. The revenue must be used to fund specified programs aimed at the reduction of air pollution from motor vehicles. The bill allows the District to allocate not more than five percent (5%) of the fees distributed for administrative costs. See TFCA (Transportation Fund for Clean Air).

**AB 617 (Assembly Bill 617)** This enacted bill requires the state board to develop a uniform statewide system of annually reporting of emissions of criteria air pollutants and toxic air contaminants for use by certain categories of stationary sources.

**AB 923 (Assembly Bill 923)** – This enacted bill allows an additional \$2 surcharge on Motor Vehicle Registration fees for MSIF (Mobile Source Incentive Fund).

**AHM (Acutely Hazardous Material)** – Those materials that have been defined as such by either State or Federal regulations as being hazardous to human health.

**AIRS (Aerometric Information Retrieval System)** – Computerized information system as delineated by the EPA (Environmental Protection Agency).

**APCO – Air Pollution Control Officer** – Appointed by the Board of Directors.

**Appropriation** – A legal authorization to incur obligations and to make expenditures for specific purposes.

**Association of Bay Area Governments (ABAG)** – Regional agency covering the nine counties of the Bay Area, responsible for population projections, various services for local agencies, and co-lead agency for federal air quality planning.

**A&WMA (Air & Waste Management Association)** – The international nonprofit organization of regulatory, business, academic and research communities for air and waste management professionals.

**BACT (Best Available Control Technology)** – The lowest achievable emission rate to be applied to new and modified stationary sources pursuant to the District's New Source Review permitting program.

**Board** – Board of Directors and also Hearing Board. The Board of Directors is the governing body of the District. The Hearing Board is appointed by the Board of Directors. (See Programs 121 and 122).

**California Clean Air Act 1988** – Statutory scheme to reduce air pollution from stationary and mobile sources as set forth in *California Health and Safety Code* Section 39600 et seq.

**Capital Expenditures** – An amount spent to acquire land, building, equipment, vehicles etc. in order to increase capacity or efficiency by the District for more than 1 year. Such purchases are capitalized or depreciated over the useful life, except for land.

**Carl Moyer Program** – Provides grants to public and private entities to reduce emissions of oxides of nitrogen, reactive organic gases and particulate matter from existing heavy-duty engines by either replacing or retrofitting them.

**CAPCOA (California Air Pollution Control Officers Association)** – Organization comprised of local air pollution control officials; human resource and fiscal staff are also members.

**CARB or ARB (California Air Resources Board)** – The State agency responsible for setting California Ambient Air Quality Standards (CAAQS) and motor vehicle emission standards, and for overseeing implementation of the California Clean Air Act.

**CEC (California Energy Commission)** – The state agency responsible for energy policy and planning.

**CEMS – (Continuous Emissions Monitoring Systems)** – Technology that allows the District to measure certain emissions on a continuous basis.

**CEQA (California Environmental Quality Act)** – State law that requires public agencies to analyze environmental impacts of proposed projects and plans. (*California Public Resources Code* Section 21000 et seq.)

**CFC (Chlorofluorocarbon)** – Any of a group of compounds that contain carbon, chlorine, fluorine and sometimes hydrogen and are used as refrigerants, cleaning solvents, and aerosol propellants and in the manufacture of plastic foams.

**Clean Air Act Amendments of 1990** – Revisions to the Federal legislation governing air quality planning and control programs to meet National ambient air quality standards.

**CMA (Congestion Management Agency)** – Countywide agency responsible for preparing and implementing congestion management programs.

**CMAQ – (Congestion Mitigation and Air Quality)** - The District receives funding under this grant to fund the Spare the Air campaign.

**Contractual Services** – Services rendered to a government by private firms, individuals, or other governmental agencies.

**COLA (Cost of Living Adjustment)** – An adjustment to salaries based on the increased cost of living as defined by the percent change in the U.S. Department of Labor's Consumer Price Index.

**DAPCO (Deputy Air Pollution Control Officer)** – Deputy Officer to the APCO.

**Environmental Justice** – The fair treatment of people of all races and incomes with respect to development, implementation, and enforcement of environmental laws, regulations, and policies. Fair treatment implies that no person or group of people should shoulder a disproportionate share of negative environmental and economic impacts resulting from the execution of environmental programs.

**EPA (Environmental Protection Agency)** – Federal agency that oversees air, water and waste management. An assistance grant is provided to various agencies in their efforts to reduce air pollution.

**EPA 103 Grant** – Provides funding for all aspects of operating the PM<sub>2.5</sub> fine particulate monitoring program as well as BioWatch, the National Air Toxic Trends Study (NATTS) Program and other supplemental study programs awarded by the EPA.

**EPA 105 Grant** – Grant pursuant to federal Clean Air Act Section 105.

**Fiscal Year** – A twelve-month period designated as the operating year for accounting and budgeting purposes in an organization; July 1 through June 30 is the fiscal year for the District.

**FICA (Federal Insurance Corporation Act) Replacement Benefits** – In 1981, District employees elected to terminate participation in Social Security. FICA costs listed in the budget reflect the replacement benefit premiums paid in lieu of Social Security.

**Fixed Assets** – Assets of long-term character that are intended to continue to be held or used, such as land, buildings, machinery, furniture and other equipment.

**FTE (Full-time Equivalent Position)** – A position converted to the decimal equivalent of a full-time position based on 2,080 hours of work per year.

**Fund** – A fiscal entity with revenues and expenditures that are segregated for the purpose of carrying out a specific purpose or activity.

**Fund Balance – Designated** – That portion of the fund balance designated by the governing body to indicate tentative plans for financial resource utilization in a future period.

**Fund Balance – Reserved** – That portion of the fund balance obligated by the issuance of purchase orders or contracts (encumbrances), or otherwise obligated and unavailable to meet the District's operating expenditures.

**Fund Balance – Undesignated** – That portion of the unreserved fund balance that represents the accumulated surplus which, as specified in the *California Government Code*, is restricted to the following uses: to meet cash requirements before the proceeds from revenues are available, to meet emergency expenditures, and at the end of each fiscal year to meet current year operating or subsequent year budget deficits.

**Fund Balances** – The equity accounts for the governmental fund types.

**Group Insurance Benefits** – benefits provided to BAAQMD employees, including medical, dental, vision, and life insurance as well as State Disability Insurance, Section 125 cafeteria plan, Long Term Care and Long Term Disability, Section 457 deferred compensation plan, and COBRA program.

**IRIS (Integrated Reporting Information System)** – The name of the District's database conversion project.

**MACT (Maximum Achievable Control Technology)** – EPA standards mandated by the 1990 amendments to the Federal Clean Air Act for control of toxic air contaminants.

**Metropolitan Transportation Commission (MTC)** – Bay Area regional agency responsible for transportation planning, financing and coordination; co-lead agency for Federal air quality planning.

**MSIF (Mobile Source Incentive Fund)** – The Air District’s grant program for allocating revenues from an additional motor vehicle registration fee surcharge for implementation of eligible projects.

**NOV (Notice of Violation)** – A written citation informing a facility, or individual, that it has violated a specific air quality regulation or rule.

**OVA (Organic Vapor Analyzer)** – Hand-held analyzer used to detect organic vapor leaks from valves and other chemical and refinery equipment.

**PERP (Portable Equipment Registration Program)** – a program established by CARB allowing the operation of portable equipment in any air district throughout the state without individual local district permits.

**PERS (Public Employees Retirement System)** – The retirement system contracted by the District to provide retirement benefits to employees

**Program Budget** – A budget that allocates financial resources to functions or activities of government, rather than to specific types of expenditure, or to specific departments.

**PSM (Process Safety Management)** – Federal OSHA regulation that requires industrial safety audits.

**Request for Proposals (RFP)** – A document requesting bids to provide specified services or supplies.

**RMPP (Risk Management and Prevention Plan)** – State Program that the District monitors to prevent accidental releases of hazardous materials.

**SIP (State Implementation Plan)** – Bay Area portion of California plan to attain and maintain national ambient air quality standards.

**State Subvention Revenue** – Pursuant to Part 2, Chapter 5 of the *California Health and Safety Code*, the California Air Resources Board must subvene and distribute funds to Districts engaged in the reduction of air contaminants. The distribution is based on a per-capita basis of population contained in the District.

**T-BACT (Toxic Best Available Control Technology)** – The lowest achievable emission rate for toxic air contaminants at new or modified stationary sources.

**TCM (Transportation Control Measure)** – A strategy to reduce vehicle trips, vehicle use, vehicle miles traveled, vehicle idling, or traffic congestion for the purpose of reducing motor vehicle emissions.

**TFCA (Transportation Fund for Clean Air)** – The District’s grant program for allocating revenues from a motor vehicle registration fee surcharge to public agencies for implementation of eligible projects that reduce motor vehicle emissions.

**UNIX** – A computer operating system.

**UTM** – A coordinate system for geographical locations.

**Vehicle Buy Back** – The District’s sponsored incentive program for the scrapping of 1985 and older models funded under TFCA. The program will pay eligible owners \$650 to contract with a specific auto dismantler to have their vehicle dismantled.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Carole Groom and Members  
of the Budget and Finance Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 8, 2019

Re: Proposed Amendments to Regulation 3: Fees

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**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

Staff develops recommended amendments to the Air District's fee regulation as part of the budget preparation process. On March 7, 2012, the Board of Directors adopted a Cost Recovery Policy that established a goal of increasing fee revenue sufficient to achieve a minimum of 85 percent recovery of regulatory program costs. Progress towards this target is reported to the Board annually by staff and is periodically reviewed by outside consultants.

**DISCUSSION**

Consistent with the Cost Recovery Policy, draft amendments to specific fee schedules were made in consideration of the June 30, 2018, Matrix Consultant Group cost recovery analysis. This work, conducted at the fee schedule level, recommends larger increases being proposed for the schedules that have larger cost recovery gaps.

Existing fee schedules would be amended as follows:

- 3.9 percent increase for fee schedules that are recovering 95 to 110 percent of costs.
- 7 percent increase for fee schedules that are recovering 85 to 94 percent of costs.
- 8 percent increase for fee schedules that are recovering 75 to 84 percent of costs.
- 9 percent increase for fee schedules that are recovering 50 to 74 percent of costs.
- 15 percent increase for fee schedules that are recovering less than 50 percent of costs.

A number of fees that are administrative in nature; permit application filing fees, alternative compliance plan fees, permit to operate renewal processing fees, transfer fees, emissions banking filing and withdrawal fees, school public notice fees, toxic inventory maximum fees, and exemption fees would be increased by 3.9 percent. The annual Consumer Price Index for Bay Area Urban Wage Earners and Clerical Workers (CPI-W) increased 3.9 percent from 2018 to 2019.

The following additional amendments are proposed:

- Revise Section 3-302, to specify that for those applicants that qualify for both the Small Business Discount (50%) and Green Business Discount (10%), only the 50% higher discount shall be applied.
- Revise Section 3-304, Alteration, to clarify that the risk assessment fee shall only be charged when the alteration required a health risk assessment.
- Revise Section 3-311, to align the current rule language with established Air District practice for applying banking fees to emission reduction credit transactions.
- Add Section 3-343, Fees for Air Dispersion Modeling, to recover the Air District's costs for conducting, reviewing, or approving air dispersion modeling done to meet an Air District regulatory requirement (e.g., for demonstrating compliance with Regulation 9 Inorganic Gaseous Pollutants, Rule 2 Hydrogen Sulfide requirements, Regulation 2-2-308 National Ambient Air Quality Standards (NAAQS) Protection Requirement).
- Revise Section 3-405.5, to reduce additional late fees charged to invoices for registration and other fees which are more than 30 days late. Historically, these delinquent fees have been assessed at a disproportionately high rate to small businesses such as gasoline dispensing facilities, dry cleaners, and auto body shops. To reduce this burden on small businesses, the proposed amendment lowers this delinquent fee from 50% to 25%.
- Fee Schedule changes:
  - Increase Fee Schedule D, Gasoline Transfer at Gasoline Dispensing Facilities, Bulk Plants and Terminals, by 6%, even though cost recovery would have allowed an 8% increase, since many gasoline dispensing facilities are small businesses.
  - Revise Fee Schedule E, Solvent Evaporating Sources, to clarify when the minimum and maximum fees apply for each source.
  - Revise Fee Schedule L, Asbestos Operations, to delete the fee specific to mastic removal by mechanical buffers to assess fees for such work at the same rate as for other regulated asbestos containing material removal work.
  - Revise Fee Schedule N, Toxics Inventory Fees, to recover the Air District's costs for AB 2588 fees to be paid to the California Air Resources Board (CARB) and for staff to conduct the Air District's AB 2588 work.
  - Revise Fee Schedule S, Naturally Occurring Asbestos Operation, to include a fee of \$325 to recover the costs for reviewing, processing, and approving amendments to existing Asbestos Dust Mitigation Plans (ADMPs). Also, revise Section 3-332 to clarify that persons required to amend ADMPs shall pay the fees set out in Fee Schedule S.

Staff will provide the committee with additional details regarding the draft fee amendments, overall cost recovery and the proposed 6.4 percent average fee increase for the upcoming fiscal year. A summary of public comments received to date, including those received at a public workshop held on February 19, 2019, will be provided.

BUDGET CONSIDERATION/FINANCIAL IMPACT

The proposed fee amendments would increase fee revenue in Fiscal Year Ending (FYE) 2020 by an estimated \$2.74 million from revenue that would otherwise result without a fee increase.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Barry Young  
Reviewed by: Pamela Leong  
Damian Breen  
Jeff McKay

BUDGET AND FINANCE COMMITTEE  
MEETING OF 03/22/2019



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Technology Implementation Office Steering Committee Meeting of  
March 25, 2019

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**RECOMMENDED ACTION**

The Technology Implementation Office Steering Committee (Committee) received only informational items and has no recommendations of approval by the Board of Directors (Board).

**BACKGROUND**

The Committee met on Monday, March 25, 2019, and received the following report:

- A) Overview of Technology Implementation Office;
- B) Climate Tech Finance Program Overview and Launch; and
- C) Potential Projects and Future Directions.

Committee Chairperson, Cindy Chavez, will provide an oral report of the Committee meeting.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

- A) None;
- B) None; and
- C) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 15A: Technology Implementation Office Steering Committee Meeting Agenda #4 –  
03/25/19

Attachment 15B: Technology Implementation Office Steering Committee Meeting Agenda #5 –  
03/25/19

Attachment 15C: Technology Implementation Office Steering Committee Meeting Agenda #6 –  
03/25/19

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Cindy Chavez and Members  
of the Technology Implementation Office Steering Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 18, 2019

Re: Overview of Technology Implementation Office

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**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

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

- Bay Area EV Coordinating Council – quarterly convening of Bay Area facilities, businesses, and local governments to coordinate EV programs
- Charge! – grants for installing publicly available charging infrastructure
- Clean Cars for All – incentives for low-income residents to turn in an older vehicle and purchase or lease a clean vehicle or get a transportation card
- Clean Fleets – grants for Bay Area light-duty fleets to adopt electric vehicles
- Climate Tech Finance – loan and loan guarantee program for industrial facilities
- Climate Tech Network – quarterly convening of technology developers, facility managers, financing organizations, and local governments

DISCUSSION

As part of this agenda item, staff will welcome new members to the Steering Committee; give an overview of the TIO, its mission and programs; as well as providing a refresher on the format, structure and role of the Committee.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Ranyee Chiang  
Reviewed by: Damian Breen

TECHNOLOGY IMPLEMENTATION  
OFFICE STEERING COMMITTEE  
MEETING OF 03/25/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Cindy Chavez and Members  
of the Technology Implementation Office Steering Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 12, 2019

Re: Climate Tech Finance Program Overview and Launch

---

**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

The Climate Tech Finance program is the Air District's first loan program for industrial facilities. The program was designed to address a financing gap for technologies that have been successfully demonstrated but have not secured a critical mass of customers. The program also offers technology evaluation and matchmaking opportunities to connect technologies with Bay Area facilities.

The Climate Tech Finance program offers subsidized direct loans to public agencies and loan guarantees to small businesses for the purchase of emerging technologies that reduce greenhouse gases. To distribute the loans and loan guarantees, the Air District is collaborating with the California Infrastructure and Economic Development Bank (IBank) to co-finance projects. This initial program has \$4 million available from the Air District for loans and loan guarantees.

**DISCUSSION**

The Climate Tech Finance program was announced to facilities, governments, and partner organizations in November 2018. As part of the broader outreach strategy, staff developed outreach materials and met with stakeholders to increase awareness about the loan and loan guarantee opportunities. Air District staff presented webinars, hosted the first Climate Tech Network event to bring together emerging climate technologies and potential customers, and sponsored or attended external events.

Staff will continue outreach efforts by developing additional materials, delivering targeted messages to facilities and technology developers, and promoting Climate Tech Finance at conferences and events in relevant sectors. Staff are seeking input from the Steering Committee on additional outreach channels and strategies to effectively promote the Climate Tech Finance program with technology developers and facilities.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Derrick Tang  
Reviewed by: Ranyee Chiang

TECHNOLOGY IMPLEMENTATION  
OFFICE STEERING COMMITTEE  
MEETING OF 03/25/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Cindy Chavez and Members  
of the Technology Implementation Office Steering Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 12, 2019

Re: Potential Projects and Future Directions

---

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

To identify initial technologies of focus, the Air District completed an assessment of 188 technologies that reduce greenhouse gases (GHGs). The results were published as the Climate Technology Review, a report summarizing the key results of the technology assessment and providing greater detail on especially promising technologies in various industry sectors. From this assessment, the Air District identified energy storage and waste technologies as key areas of focus for initial loan projects.

DISCUSSION

From the ongoing outreach efforts for Climate Tech Finance, Air District staff have compiled an early list of potential loan projects. Staff have received strong early interest from two groups of potential borrowers in particular: wastewater treatment plants and municipalities seeking to electrify their facilities.

Staff are seeking input from the Steering Committee on project attributes that should be prioritized. For projects that meet program priorities and are close to construction, Air District staff will perform an engineering evaluation of the potential loan project. IBank then performs financial underwriting of the loan. Because the loan funds revolve, initial projects under this program will be evaluated as pilots to inform future loan projects, updates to the Climate Tech Finance program, and expand collaborations with IBank and other financing institutions. Staff will discuss potential opportunities for the Climate Tech Finance program to expand or partner with other financing organizations.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Derrick Tang  
Reviewed by: Ranyee Chiang

TECHNOLOGY IMPLEMENTATION  
OFFICE STEERING COMMITTEE  
MEETING OF 03/25/2019



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Legislative Committee Meeting of March 27, 2019

---

**RECOMMENDED ACTION**

The Legislative Committee (Committee) recommends Board of Directors' approval of the following items:

A) Update on March 8, 2019, Legislative Tour of West Oakland and March 18, 2019, Legislative Hearing on Assembly Bill (AB) 617 Program

1) None; receive and file.

B) Consideration of New Bills

1) Recommend the Board of Directors take the following positions on proposed legislation:

- Senate Bill 44 – Nancy Skinner (D-Berkeley) - “Support” position if amendments include more explicit air district participation.
- Senate Bill 45 – Ben Allen (D-Santa Monica) - “Support” position if amendments include “clean air centers” as a funding category.
- Assembly Bill 1744 – Rudy Salas (D-Bakersfield) – “Oppose” position.

C) Assembly Bill (AB) 836 Bay Area Clean Air Incentive Program

1) None; receive and file.

## BACKGROUND

The Committee met on Wednesday, March 27, 2019, and received the following report:

- A) Update on March 8, 2019, Legislative Tour of West Oakland and March 18, 2019, Legislative Hearing on Assembly Bill (AB) 617 Program
- B) Consideration of New Bills; and
- C) Assembly Bill (AB) 836 Bay Area Clean Air Incentive Program.

Committee Chairperson, Doug Kim, will provide an oral report of the Committee meeting.

## BUDGET CONSIDERATION/FINANCIAL IMPACT

- A) None;
- B) None; and
- C) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 16A: Legislative Committee Meeting Agenda #4 – 03/27/19  
Attachment 16B: Legislative Committee Meeting Agenda #5 – 03/27/19  
Attachment 16C: Legislative Committee Meeting Agenda #6 – 03/27/19

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Doug Kim and Members  
of the Legislative Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 19, 2019

Re: Update on March 8, 2019, Legislative Tour of West Oakland and March 18, 2019,  
Legislative Hearing on Assembly Bill (AB) 617 Program

**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

On March 8, 2019, Air District staff and our community partners from the West Oakland Environmental Indicators Project (WOEIP) hosted a tour for legislative staff of the West Oakland area to learn more about our work under the AB 617 Community Air Protection Program. Legislative staff included staff from the Office of the Assembly Pro-Tem, the Office of Assembly Natural Resources Committee and Senator Skinner's office. The tour was followed by presentations from Air District staff and WOEIP about the progress towards developing an emissions reduction plan for the community of West Oakland.

On March 18, 2019, Air District staff was invited to an Assembly Natural Resources Committee (Natural Resources) hearing to talk about our work in West Oakland and Richmond, as well as receive presentations from Richmond and West Oakland community leaders. Jack P. Broadbent, Executive Officer/APCO, Greg Nudd, Deputy Air Pollution Control Office and Yvette DiCarlo, Acting Manager Planning Section, provided testimony. Attached for your reference is a copy of the hearing notice and Air District presentation to Natural Resources.

**DISCUSSION**

Alan Abbs, Legislative Officer, followed up with Natural Resources Committee members and staff on March 19, 2019, as part of his advocacy on AB 836, and will provide an update on those meetings to the Legislative Committee.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Alan Abbs  
Reviewed by: Jack P. Broadbent

Attachment 4A: Hearing Notice, March 18, 2019 Assembly Natural Resources  
Attachment 4B: Air District Presentation – Implementing AB 617, San Francisco Bay Area

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

# Implementing AB 617

## San Francisco Bay Area



Jack P. Broadbent  
Executive Officer/Air Pollution Control Officer  
March 18, 2019



# AB 617 Communities

## Year 1

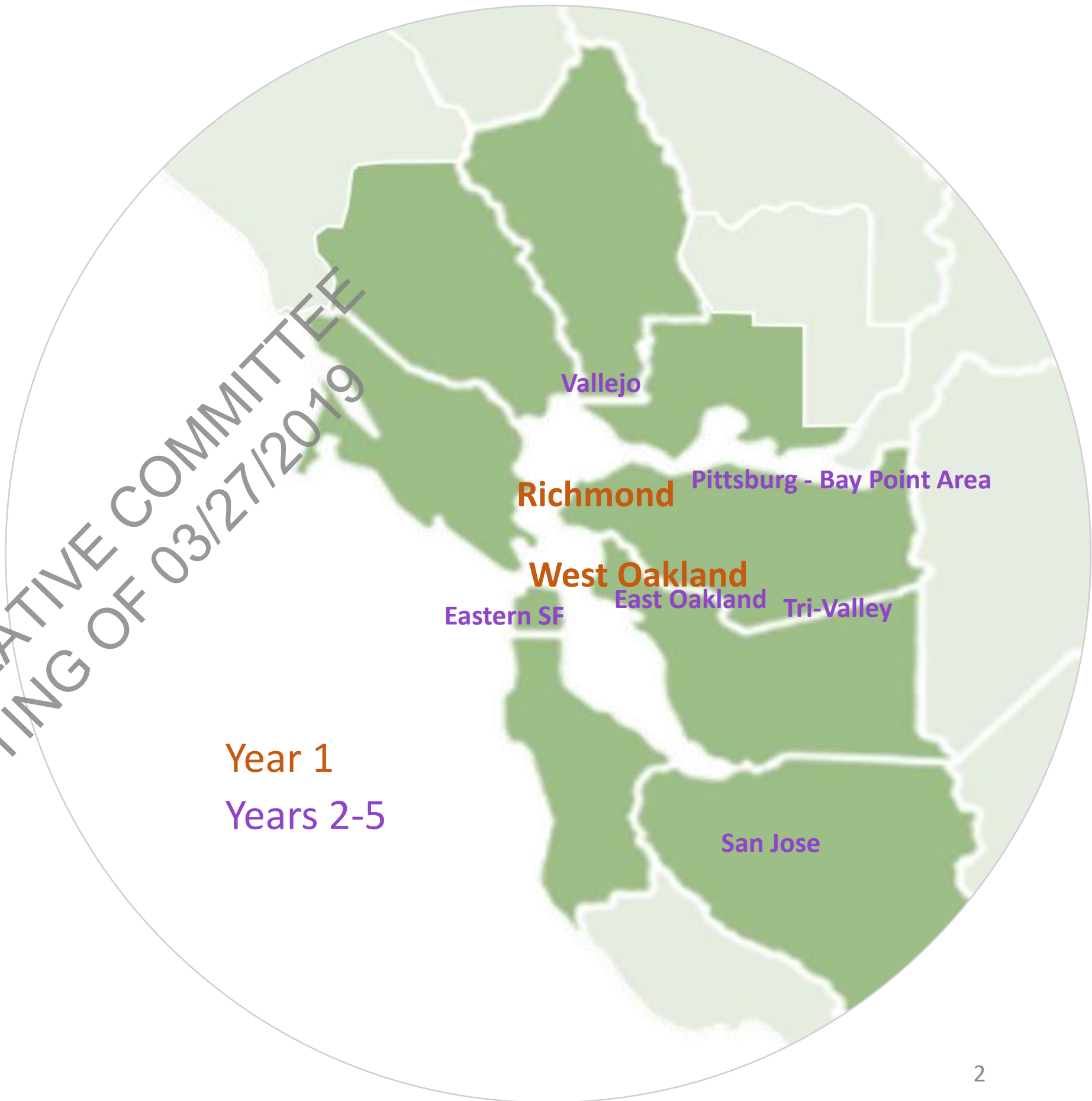
West Oakland – action plan

Richmond - monitoring

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

Year 1

Years 2-5



# Why West Oakland?



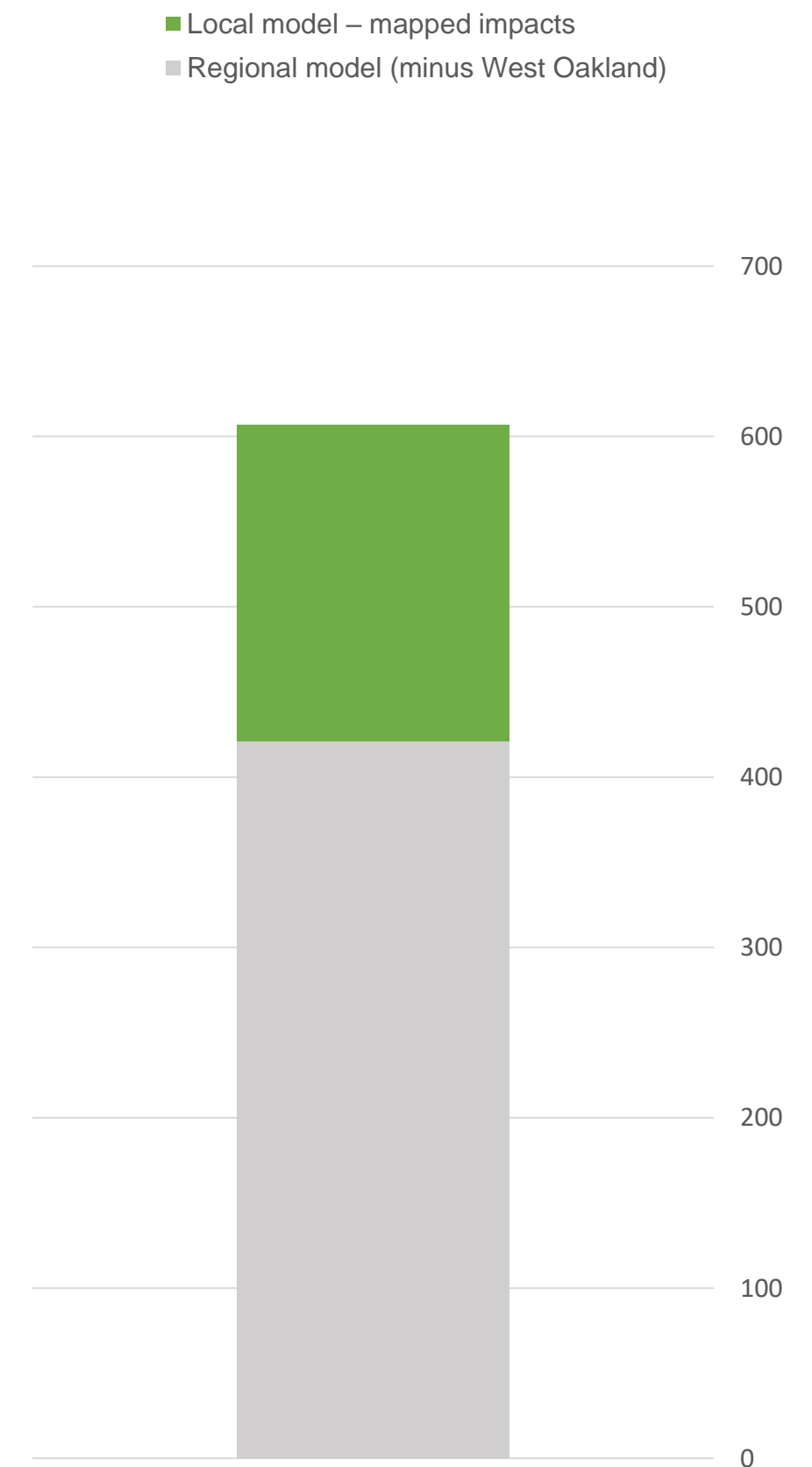
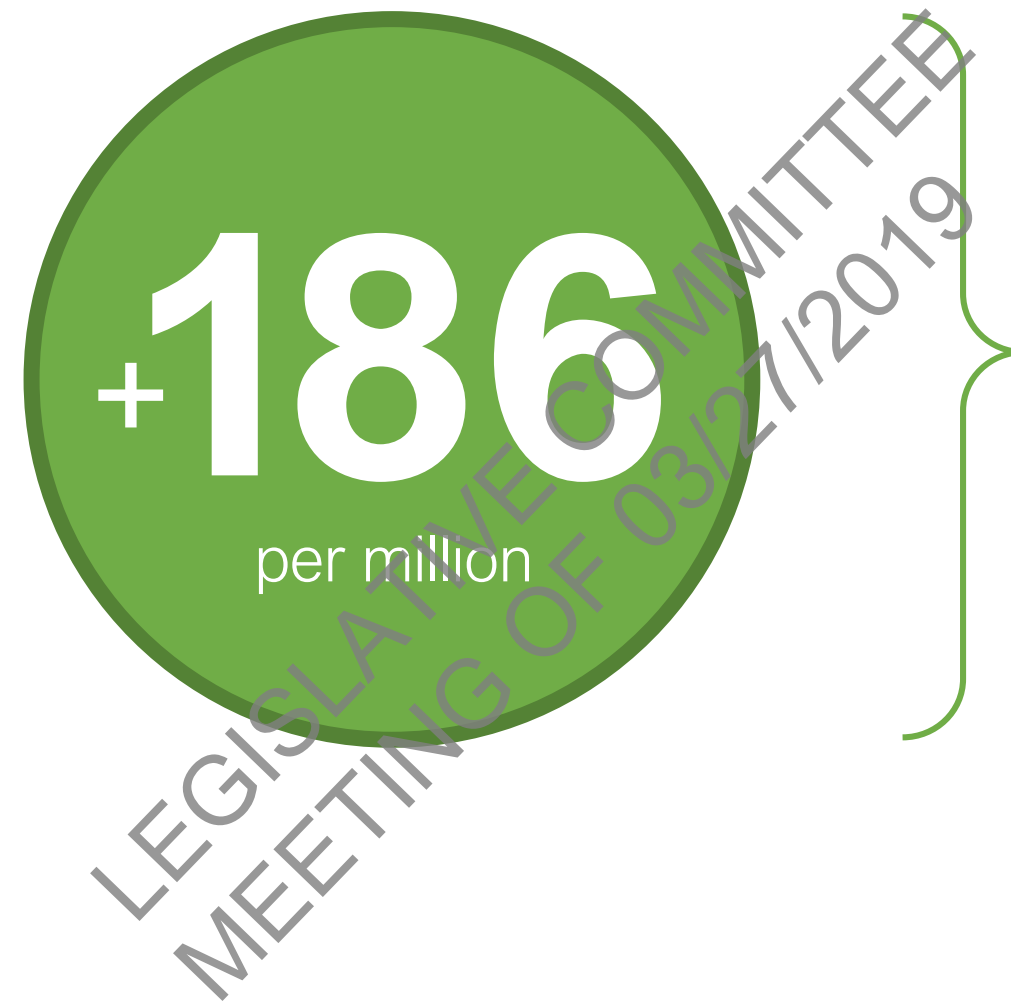
- West Oakland Indicators Project strong community partner to lead effort
- Very high mobile source emissions
  - Port of Oakland largest single source of DPM
  - Roadways contribute significantly to  $PM_{2.5}$
- High health burdens and socio-economic vulnerabilities

# Cancer Risk

## Local Air Pollution: West Oakland

### Top Contributors

- Trucks (33%)
- Marine vessels (31%)
- Permitted facilities (10%)

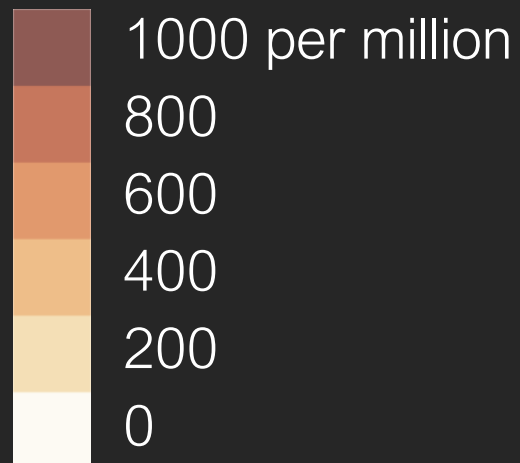


**Note: cancer risk from construction was not modeled**



Modeled Impact of Local Sources on Residential

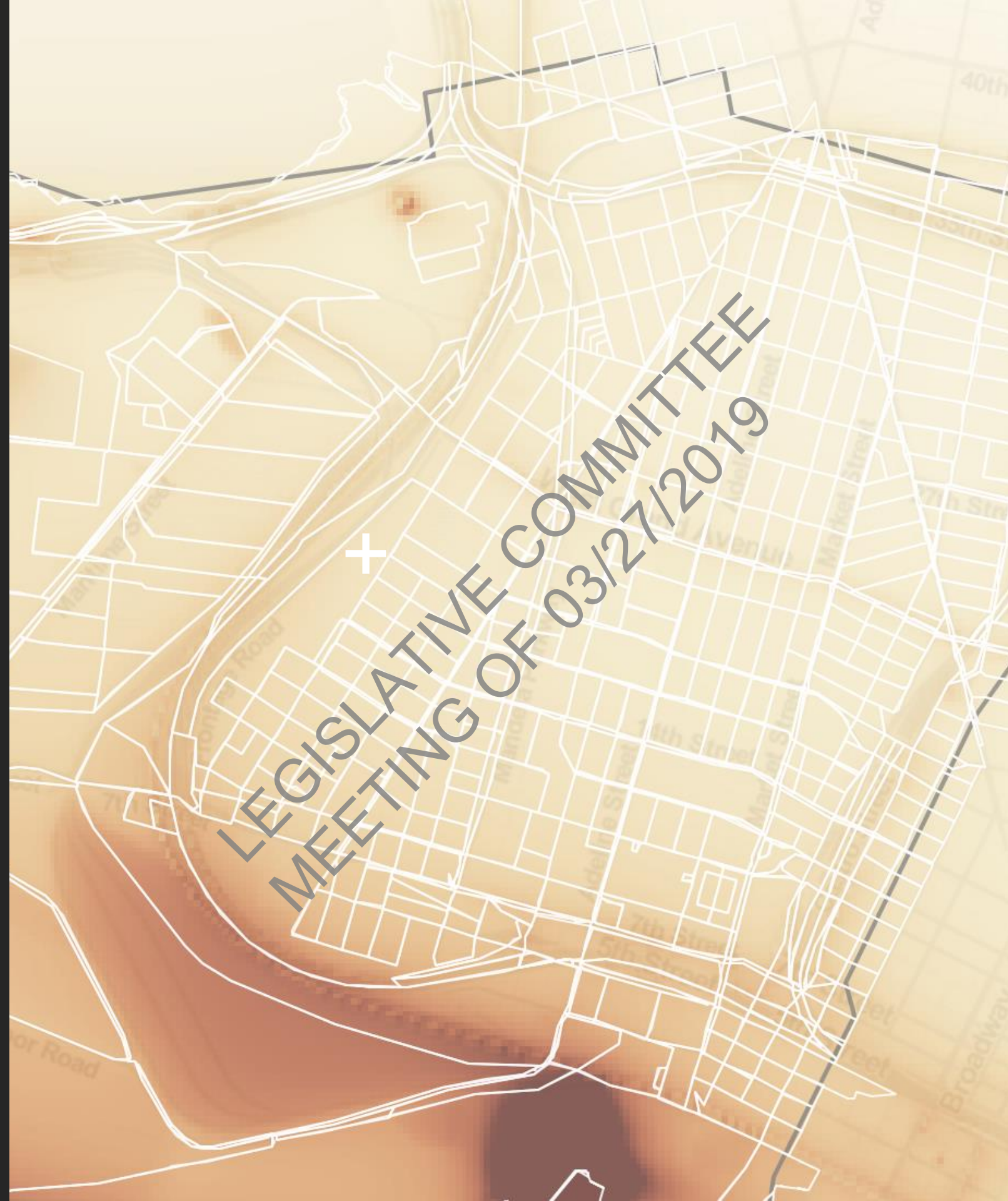
# Cancer Risk



## Top Contributors:

- Trucks (33%)
- Marine vessels (31%)
- Permitted facilities (10%)

DRAFT 2019-03-04



Highway			
Heavy/Medium HD trucks	20.3	11%	■
Passenger vehicles	5.3	3%	■
Light HD trucks	1.3	1%	■
Street			
Heavy/Medium HD trucks	23.1	12%	■
Passenger vehicles	5.3	3%	■
Light HD trucks	1.5	1%	■
Port			
Harbor craft	22.6	12%	■
OGV (berthing)	16.6	9%	■
OGV (maneuvering)	10.5	6%	■
Cargo handling	3.4	2%	■
Drayage trucks <sup>†</sup>	3.1	2%	■
Railyard (OGRE)	2.2	1%	■
Dredging	1.9	1%	■
Railyard (BNSF)	1.6	1%	■
Bunkering (tugs + pumps)	1.0	1%	■
Rail			
Railyard (UP)	18.2	10%	■
Rail lines	14.9	8%	■
Permitted			
Schnitzer (stationary)	13.4	7%	■
EBMUD	2.1	1%	■
Other facilities	1.3	1%	■
Other			
Schnitzer (trucks)	7.4	4%	■
Ferries	5.7	3%	■
Schnitzer (ships at berth)	2.3	1%	■
Truck-related businesses	1.0	1%	■

# Action Plan Strategies

- Steering Committee is working to identify strategies
- Focus: Incompatible land uses, trucks, Port of Oakland, enforcement and clean technology



# Challenges

## Limited accountability

Responsible agencies not required to change policies that create air pollution impacts

## Limited authority

Air District, who is accountable under AB 617, has no land use, mobile source authority

## Limited enforcement of existing ordinances

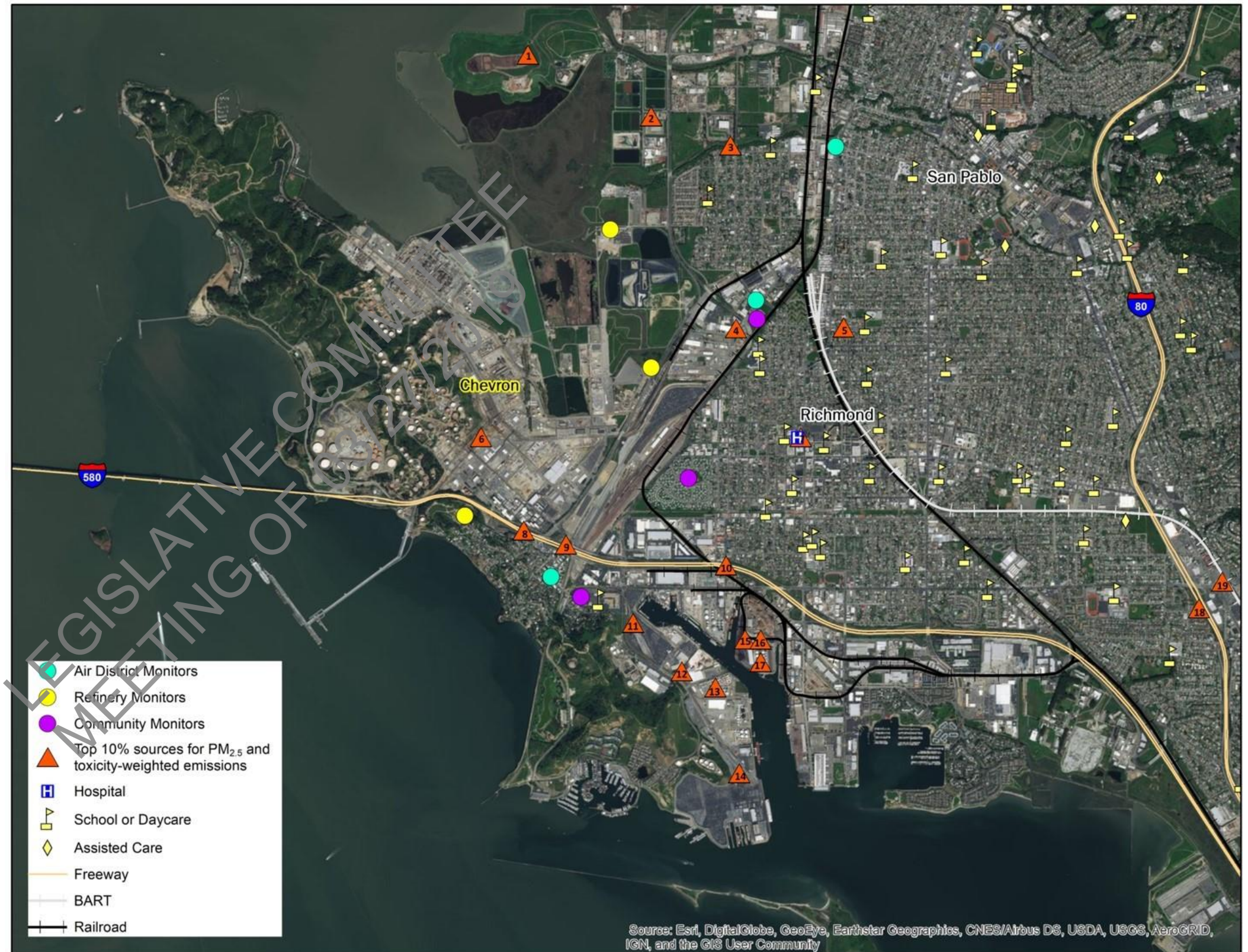
Nonconforming land uses, truck routes, parking, idling, and clean truck standards

## Tight Timelines

Legal requirement to identify strategies early, capacity building, local technical assessment

# Why Richmond?

- High emissions from stationary and mobile sources:
  - Refinery, chemical plant, landfills, water treatment facility, metal scrapping, marine terminals, freeways, port
- High health and socio-economic vulnerabilities
- Measured air quality does not fully explain observed health issues
- Data from monitoring is needed to identify air quality issues and related sources to build successful emission reduction strategies



# COMMUNITY-LED PROCESS IN RICHMOND

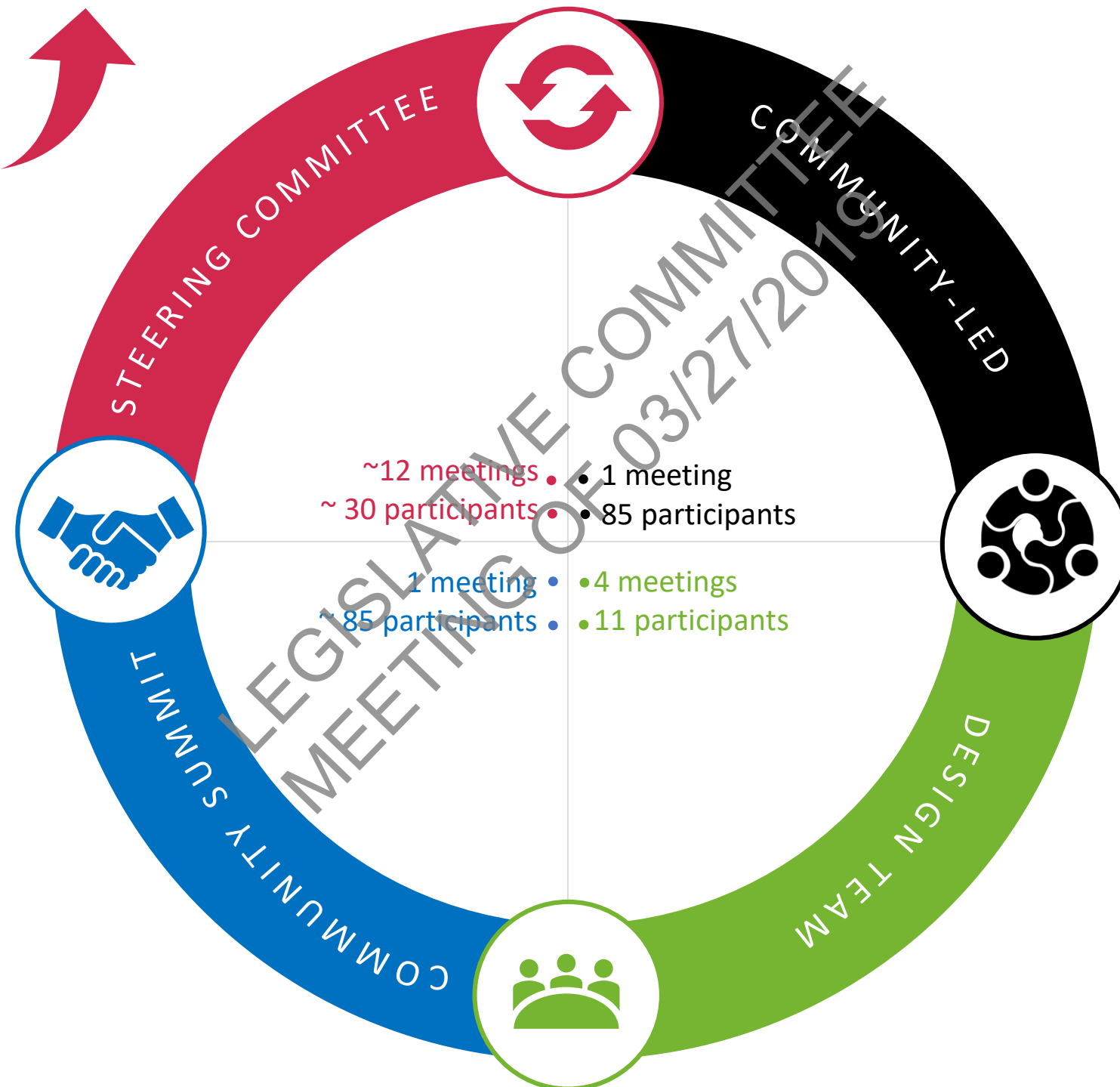
## CARRY SUCCESS FORWARD

Co-leads and Steering Committee will ensure an inclusive, transparent process with shared goals, creating a greater impact.



## COMMUNITY SUMMIT

Community had an opportunity to shape their own process, including steering committee members and decision-making.



## BUILT BY COMMUNITY

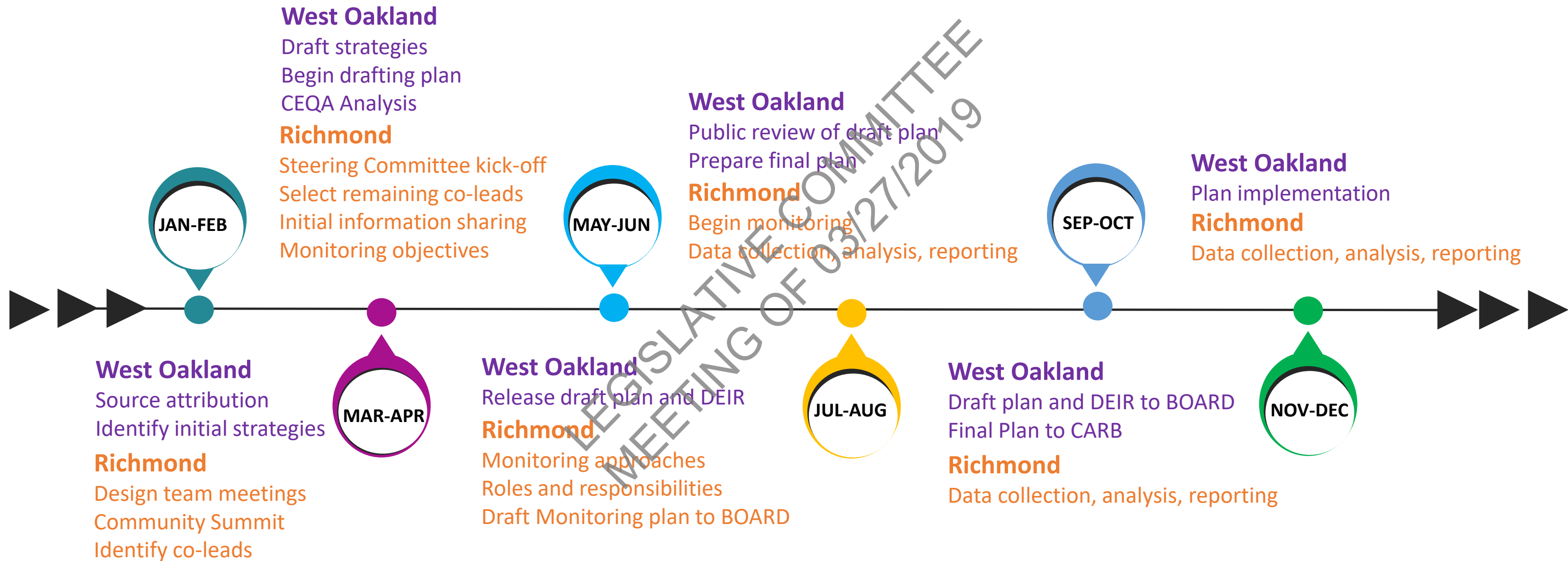
Process is community-developed, to build trusting relationships and authentic participation.

## DESIGN TEAM

Community planned summit to get input on their design for steering committee process



# 2019 Milestones: Year 1 Communities



# Funding Challenges

Program Component	Current Costs <sup>1</sup> (2 communities)	Projected Cost <sup>2</sup> (4 communities)
Community Monitoring	\$4.1 million	\$5.8 million
Emission Reduction Plans	\$2.1 million	\$3.5 million
Community Engagement	\$1.4 million	\$2.4 million
BARCT Review	\$0.3 million	\$0.3 million
Emissions Reporting	\$1.3 million	\$1.3 million
CTR Changes	\$0.8 million	\$2.4 million
<b>Total</b>	<b>\$10.0 million</b>	<b>\$15.7 million</b>

1. 1 CERP; 1 monitoring

2. existing communities, plus 1 additional CERP and 1 additional monitoring plan

# AB 617 Proposed Changes

## Phase 1: Build Capacity – up to 2 years

Build community relationships, form community collaboratives  
Air District and community evaluates technical information, new modeling  
Implement strategies identified by communities in needs assessments

## Phase 2: Monitoring – up to 2 years *(if needed)*

Form Steering Committee  
Community-led plan for monitoring  
Collect community-scale actionable data, perform analyses to inform  
Action Plan

## Phase 3: Action Plan – 1 year

Form/continue Steering Committee  
Set emission reduction targets  
Develop emission reduction strategies



# Implementing AB 617

## San Francisco Bay Area

# Questions?

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

Jack P. Broadbent  
Executive Officer/Air Pollution Control Officer  
March 18, 2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Doug Kim and Members  
of the Legislative Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 21, 2019

Re: Consideration of New Bills

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**RECOMMENDED ACTION**

Recommend the Board of Directors take the following positions on proposed legislation:

- **Senate Bill 44** – Nancy Skinner (D-Berkeley) – “Support” position if amendments include more explicit air district participation.
- **Senate Bill 45** – Ben Allen (D-Santa Monica) – “Support” position if amendments include “clean air centers” as a funding category.
- **Assembly Bill 1744** – Rudy Salas (D-Bakersfield) – “Oppose” position.

**BACKGROUND**

The Committee will discuss and review the attached list, as well as an updated list of bills introduced by the date of its meeting. The Committee will also consider the recommendations above, as well as any new recommendations resulting from amended bills submitted by its meeting date.

**DISCUSSION**

Staff will provide a brief summary of bills on the attached list, with a focus on the following bills:

***Bills with Recommended Positions***

**SB 44** is authored by Senator Nancy Skinner (D-Berkeley) and has the catchy name “The Ditching Dirty Diesel Bill.” SB 44 was amended only recently and was not on the February Legislative Committee agenda. This bill requires the California Air Resources Board (CARB) to develop a plan for how the medium and heavy-duty vehicle sectors can help meet federal attainment goals for air quality, as well as help in reducing greenhouse gases GHG(s) emissions by 40% by 2030 and by 80% by 2050. It allows CARB to identify sectors that could move more quickly toward adopting clean medium and heavy-duty vehicle technologies, and most

importantly, would appropriate funds through 2025 to support the purchase of clean medium and heavy-duty vehicles by businesses across California. The exact appropriation request is unknown at this time, but could be as high as 10% of the annual Cap and Trade proceeds (roughly \$250 million per year). The Senator's staff believes the bill would be supportive of the Air District's Diesel Free By '33 initiative and has requested the Air District's support.

**SB 45** is authored by Senator Ben Allen (D-Santa Monica) and proposes a statewide bond measure for popular vote in 2020. The bond proposes funding for various wildfire, flood, and drought measures including mitigation funding to support expansion of "cooling centers." We have proposed a slight amendment to include "clean air centers" in addition to cooling centers, which could provide a long term funding path for the Air District's clean air center bill. The Senator's staff has asked for the Air District's support, should the amendment be made. Staff recommends taking a "Support" position if the bill is amended to include clean air centers.

**AB 1744** is authored by Assemblymember Rudy Salas (D-Bakersfield) and was recently amended to create an emission reduction credit program for criteria pollutants and diesel particulate matter for emission reductions created by vehicles subject to regulations that reduce diesel pm. These credits would then be used by low use equipment, single engine cranes, and other categories of diesel equipment as a way to show compliance with various regulations. Creation of ERCs from reductions dues to highly successful state and local diesel emission reduction plans would make it more difficult to achieve air quality goals, especially in our most burdened communities. Staff recommends taking an "Oppose" position on the bill.

#### ***Bills Recommended for Further Monitoring***

**SB 69**, the Ocean Resiliency Act of 2019, is authored by Senator Scott Wiener (D-San Francisco). The majority of the bill is unrelated to air quality, however, one section proposes formally establishing a statewide Voluntary Vessel Speed Reduction Program per the below:

This bill would require the state board to develop and implement a voluntary vessel speed reduction incentive program for the Santa Barbara Channel and San Francisco Bay Area regions to reduce air pollution, the risk of fatal vessel strikes on whales, and harmful underwater acoustic impacts. The bill would require the state board to implement the program by July 1, 2020, and would require the state board to submit a report to the Legislature by December 31, 2022, regarding the implementation of the program.

The bill language further directs that CARB develop and implement the program without referring to any role by local air districts. Staff is working on a briefing for Senator Wiener and/or his staff by air districts that have current voluntary vessel speed reduction programs (Bay Area, South Coast, Ventura, and Santa Barbara), and prior to taking an official position we will want to verify the author's intent regarding the role of CARB and the air districts.

**AB 661** is authored by Assemblymember Kevin McCarty (D-Sacramento) and was recently amended to become a wildfire smoke emergency response bill, which is attached. Parts of the bill seem to align with actions the Air District is currently undertaking relating to wildfire smoke, without a legislative requirement. But, as proposed, the bill has elements that would be very

problematic, including a requirement that the Air District would determine local agencies that were statutorily responsible to take actions based on the Air District's emergency plan, as well determining thresholds for individual action recommendations based on indoor air quality. Staff does not recommend taking a position on the bill, but will work with the author to ensure the bill does not run contrary to current Air District activities.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Alan Abbs  
Reviewed by: Jack P. Broadbent

- Attachment 5A: BAAQMD Bill Discussion List – as of March 14, 2019
- Attachment 5B: 2019 Senate Bill 44 (Skinner)
- Attachment 5C: 2019 Senate Bill 45 (Allen)
- Attachment 5D: 2019 Assembly Bill 1744 (Salas)
- Attachment 5E: 2019 Senate Bill 69 (Wiener)
- Attachment 5F: 2019 Assembly Bill 661 (McCarty)

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

# BAAQMD BILL DISCUSSION LIST

March 14, 2019

BILL NO.	AUTHOR	SUBJECT	STATUS	POSITION
AB 40	Ting	Zero emission vehicles: comprehensive strategy	Trans	Support
AB 126	Cooper	Air Quality Improvement Program (Spot)		
AB 148	Quirk-Silva	Regional transportation plans: sustainable community strategies	Trans	
AB 185	Grayson	California Transportation Commission: transportation policies, joint meetings	Trans	
AB 210	Voepel	Smog check: exemption	Trans	Oppose
AB 254	Quirk-Silva	Alternative fuel vehicles: flexible fuel vehicles	Trans	
AB 257	Mathis	Solid waste: woody biomass: disposal	Nat Res	
AB 285	Friedman	California Transportation Plan	Trans	
AB 293	E. Garcia	Greenhouse gases: offset protocols	Nat Res	
AB 296	Cooley	Climate change: Climate Innovation Commission	Nat Res	
AB 315	C. Garcia	Stationary Sources: emissions reporting (Spot)	Nat Res	
AB 343	Patterson	Forestry: fuels transportation program: biomass energy facility: grant program	Nat Res	
AB 345	Muratsuchi	State Air Resources Board (Spot)		
AB 352	E. Garcia	California Global Warming Solutions Act of 2006: Greenhouse Gas Reduction Fund: investment plan: Transformative Climate Communities Program	Nat Res	
AB 383	Mayes	Clean Energy Financing Clearinghouse	Nat Res	
AB 386	E. Garcia	Agricultural Working Poor Energy Efficient Housing Program	Nat Res	
AB 409	Limon	Climate change: agriculture: grant program	Nat Res	
AB 423	Gloria	San Diego County Air Pollution Control District: members	Nat Res	
AB 457	Quirk	Occupational safety and health: lead: permissible exposure levels	Labor	
AB 464	C. Garcia	California Global Warming Solutions Act of 2006 (Spot)	Nat Res	
AB 470	Limon	California Green Business Program	Nat Res	
AB 490	Salas	CEQA (Spot)		
AB 491	B. Rubio	Energy: hydrogen	Utility & Energy	
AB 556	Carrillo	Outdoor experiences: community access program: grant program	WP&W	
AB 639	Cervantes	Financing Lower Carbon Emissions: seaports	Jobs & Econ	
AB 661	McCarty	Best available control technology: lowest achievable emission rate requirements (Spot)		
AB 735	Melendez	Air Quality Improvement Program: Clean Vehicle Rebate Project	Trans	
AB 753	E. Garcia	Alternative and Renewable Fuel and Vehicle Technology Program: fuels	Trans	
AB 755	Holden	California tire fee: Stormwater Permit Compliance Fund	Nat Res	

AB 821	O'Donnell	Transportation: Trade Corridor Enhancement Account: project nomination: California Port Efficiency Program	Trans	
AB 836	Wicks	Bay Area Clean Air Incentive Program	Nat Res	Support
AB 839	Mullin	Climate adaptation: strategy: Adaptation through Resiliency, Economic vitality, and Equity Account	Nat Res	
AB 915	Mayes	California Renewables Portfolio Standards Program		
AB 939	Frazier	California Environmental Protection Agency: regulations	A&AR	
AB 966	Bonta	Greenhouse gases: cement production		
AB 970	Salas	California Department of Aging: grants: transportation	A&LTC, Trans	
AB 983	Boerner Horvath	Transportation electrification	U&E, E&C	
AB 1038	Muratsuchi	Air quality management districts: scientific and engineering review	Nat Res	
AB 1046	Ting	Charge Ahead California Initiative	Trans	
AB 1056	E. Garcia	Regional transportation plans: State Air Resources Board: report	Trans	
AB 1100	Kamlager- Dove	Electric vehicles: parking requirements		
AB 1115	Quirk-Silva	State Air Resources Board: climate action plans (Spot)		
AB 1124	Maienschein	Employment safety: outdoor works: wildfire smoke	L&E	
AB 1142	Friedman	Strategic Growth Council: transportation pilot projects: regional transportation	Trans	
AB 1143	Quirk	Energy: Fuels, Technology, and Equipment for Clean Heating (TECH) Initiative	U&E, Nat Res	
AB 1149	Fong	California Environmental Quality Act (Spot)		
AB 1156	E. Garcia	Methane: dairy and livestock: pilot financial mechanism	Nat Res	
AB 1167	Mathis	Greenhouse Gas Reduction Fund: high-speed rail		
AB 1195	O'Donnell	California Global Warming Solutions Act of 2006: Low Carbon Fuel standard regulations		
AB 1236	Lackey	Public resources: green house gases: utilities: recycling: California Environmental Quality Act		
AB 1238	Cunningham	Electric vehicle charging stations		
AB 1262	O'Donnell	California Global Warming Solutions Act of 2006: rules and regulations (Spot)		
AB 1276	Bonta	Green New Deal (Spot)		
AB 1284	Carrillo	Carbon neutrality		
AB 1347	Boerner Horvath	Electricity: renewable energy and zero-carbon resources: state and local government buildings		
AB 1350	Gonzalez	Youth Transit Pass program (Spot)		
AB 1371	Cunningham	California Renewables Portfolio Standard Program: offshore wind generation		
AB 1406	O'Donnell	State Air Resources Board (Spot)		
AB 1411	Reyes	Integrated action plan for sustainable freight		
AB 1418	Chiu	State Air Resources Board: membership (Spot)		
AB 1424	Berman	Electric Vehicle Charging Stations Open Access Act		
AB 1430	E. Garcia	State government: public investment opportunities: cost-effectiveness definition		

AB 1445	Gloria	Climate Change: emergency declaration and policy		
AB 1463	Gabriel	California Global Warming Solutions Act of 2006 (Spot)		
AB 1589	Salas	Carl Moyer Memorial Air Quality Standards Attainment Program (Spot)		
AB 1594	Bauer-Kahan	Vehicular air pollution: Zero-Emission Vehicle Incentive Program (Spot)		
AB 1621	Frazier	Alternative and Renewable Fuel and Vehicle Technology Program (Spot)		
AB 1655	O'Donnell	Hydrogen-fueled vehicles (Spot)		
AB 1673	Salas	California Environmental Quality Act (Spot)		
AB 1744	Salas	Schoolbuses: retrofit and replacement		
AB 1778	Boerner Horvath	Greenhouse Gas Reduction Fund: investment plan (Spot)		
AJR 7	Gloria	Green New Deal	Nat Res	
SB 1	Atkins	California Environmental, Public Health, and Worker Defense Act of 2019	EQ, Nat Res, Jud	
SB 43	Allen	Carbon taxes	EQ, G&F	
SB 44	Skinner	Medium-duty and heavy-duty vehicles: comprehensive strategy	Rules	
SB 45	Allen	Wildfire, Drought, and Flood Protection Bond Act of 2020	Nat Res & W	Support? (proposed)
SB 59	Allen	Automated vehicle technology: statewide policy	Trans	Support, if amended (proposed)
SB 69	Wiener	Ocean Resiliency Act of 2019	Rules	
SB 127	Wiener	Transportation funding: active transportation: complete streets	Trans	Support, if amended (proposed)
SB 168	Wieckowski	Climate change: Chief Officer of Climate Adaptation and Resilience	Gov & F	
SB 209	Dodd	Wildfire: California Wildfire Warning Center: weather monitoring	Gov Org	
SB 210	Leyva	Heavy-Duty Vehicle Inspections and Maintenance Program	EQ	
SB 216	Galgiani	Carl Moyer Memorial Air Quality Standards Attainment Program: used heavy-duty truck exchange	EQ, Trans	Support
SB 236	Wilk	Greenhouse Gas Reduction Fund (Spot)	Rules	
SB 319	Moorlach	State highways: Interstate Route 5: State Route 99: speed limits	Trans	
SB 400	Umberg	Reduction of greenhouse gases emissions: mobility options	EQ	
SB 460	Beall	DMV biennial registration	Trans	
SB 498	Hurtado	Transit and Intercity Rail Capital Program (Spot)	Rules	
SB 515	Caballero	California Renewables Portfolio Standard Program: bioenergy renewable feed-in tariff	EU&C	
SB 535	Moorlach	California Global Warming Solutions Act of 2006: scoping plan	EQ	
SB 613	Stern	Agriculture: greenhouse gas mitigation: Healthy Soils Program	Rules	
SB 629	McGuire	Air Districts: hearing boards: notice requirements (Spot)	Rules	
SB 662	Archuleta	Green electrolytic hydrogen	Rules	
SB 676	Bradford	Transportation electrification: electric vehicles	Rules	
SB 677	Allen	California Global Warming Solutions Act of 2006 (Spot)	Rules	

SB 682	Allen	Climate Change: radiative forcing management climate accounting protocol	Rules	
SB 736	Umberg	Airport Greenhouse Gas Reduction Account	Rules	

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019



AMENDED IN SENATE MARCH 7, 2019

**SENATE BILL**

**No. 44**

**Introduced by Senator Skinner**

December 3, 2018

~~An act relating to vehicles.~~ *An act to add Section 43024.2 to the Health and Safety Code, relating to vehicular air pollution.*

LEGISLATIVE COUNSEL'S DIGEST

SB 44, as amended, Skinner. ~~Vehicles: traffic violations.~~ *Medium-duty and heavy-duty vehicles: comprehensive strategy.*

*The California Global Warming Solutions Act of 2006 designates the State Air Resources Board as the state agency charged with monitoring and regulating sources of emissions of greenhouse gases. The act authorizes the state board to include the use of market-based compliance mechanisms. Existing law requires all moneys, except for fines and penalties, collected by the state board as part of a market-based compliance mechanism to be deposited in the Greenhouse Gas Reduction Fund and to be available upon appropriation by the Legislature.*

*The California Clean Truck, Bus, and Off-Road Vehicle and Equipment Technology Program, upon appropriation from the Greenhouse Gas Reduction Fund, funds zero- and near-zero-emission truck, bus, and off-road vehicle and equipment technologies and related projects.*

*This bill would require the state board, no later than January 1, 2021, to develop a comprehensive strategy for the deployment of medium-duty and heavy-duty vehicles in the state that results in bringing the state into compliance with federal ambient air quality standards, a reduction of motor vehicle greenhouse gas emissions by 40% by 2030, and*

*reduction of motor vehicle greenhouse gas emissions by 80% by 2050, as specified. The bill would authorize the state board to establish a process to identify medium-duty and heavy-duty vehicle segments that can more quickly reduce motor vehicle emissions, consistent with the California Clean Truck, Bus, and Off-Road Vehicle and Equipment Technology Program and a beachhead market analysis. The bill, if the state board does that identification, would require the state board to implement additional emissions reduction strategies and motor vehicle deployment goals consistent with the comprehensive strategy.*

*This bill would state that an unspecified amount of the annual proceeds of the Greenhouse Gas Reduction Fund will be appropriated in each annual Budget Act through the 2024–25 fiscal year to the state board for the California Clean Truck, Bus, and Off-Road Vehicle and Equipment Technology Program to support the commercialization of medium-duty and heavy-duty vehicles that reduce greenhouse gas emissions.*

~~Existing law establishes various offenses for violations of traffic laws.~~

~~This bill would state the intent of the Legislature to enact legislation relating to penalties for traffic violations.~~

Vote: majority. Appropriation: no. Fiscal committee: ~~no~~ yes.  
State-mandated local program: no.

*The people of the State of California do enact as follows:*

- 1 *SECTION 1. The Legislature finds and declares all of the*
- 2 *following:*
- 3 *(a) Diesel-fueled trucks are responsible for 33 percent of*
- 4 *statewide oxides of nitrogen emissions annually. These same trucks*
- 5 *emit more particulate matter than all of the state's power plants.*
- 6 *(b) People who live near freeways and busy roadways are at*
- 7 *high risk for exposure to these health threatening air pollutants*
- 8 *emitted by these medium- and heavy-duty vehicles.*
- 9 *(c) In 1998, the State Air Resources Board identified diesel*
- 10 *particulate matter as a toxic air contaminant based on published*
- 11 *evidence of a relationship between diesel exhaust exposure and*
- 12 *lung cancer.*
- 13 *(d) Diesel particulate matter also contributes to noncancer*
- 14 *health effects, like premature death, hospitalizations, and*
- 15 *emergency department visits for exacerbated chronic heart and*

1 lung disease, including asthma, increased respiratory symptoms,  
2 and decreased lung function in children.

3 (e) Children are particularly vulnerable to the negative effect  
4 of diesel because they have higher respiration rates than adults  
5 and can increase their exposure to air pollutants relative to their  
6 body weight.

7 (f) Children exposed to high levels of diesel exhaust are five  
8 times more likely than other children to have underdeveloped  
9 lungs.

10 (g) Increased respiratory symptoms, such as cough wheeze,  
11 runny nose, and doctor-diagnosed asthma, have been linked to  
12 traffic exposure.

13 (h) Studies have shown that children who live in high-density  
14 traffic areas have higher rates of doctor visits for asthma and  
15 increased use of asthma medication than children who live near  
16 low-density traffic areas.

17 (i) Reducing emissions of these pollutants can have an  
18 immediate beneficial impact on air quality and on public health.

19 (j) The largest source of the state's greenhouse gas emissions  
20 comes from the transportation sector, accounting for nearly 50  
21 percent of statewide emissions.

22 (k) While diesel-fueled trucks and buses make up just 3 percent  
23 of the vehicles on the state's roads, they produce 25 percent of  
24 greenhouse gas emissions from the transportation sector.

25 (l) The state can effectively reduce health threatening criteria  
26 air pollution and climate-threatening greenhouse gas emissions  
27 by outlining a clear path to convert medium-duty and heavy-duty  
28 vehicle segments, as well as off-road equipment, to cleaner  
29 technologies and fuels.

30 (m) Providing consistent, multiyear funding is imperative to  
31 reduced emissions of criteria air pollutants and greenhouse gases  
32 associated with medium-duty and heavy-duty vehicles where this  
33 technology is commercially available but still costs a premium  
34 and to help support commercialization paths for new technologies  
35 that are not currently market ready.

36 SEC. 2. Section 43024.2 is added to the Health and Safety  
37 Code, to read:

38 43024.2. (a) No later than January 1, 2021, the state board  
39 shall develop a comprehensive strategy for the deployment of

1 medium duty and heavy-duty vehicles in the state to meet the  
2 following:

3 (1) Bringing the state into compliance with federal ambient air  
4 quality standards.

5 (2) A reduction of motor vehicle greenhouse gas emissions by  
6 40 percent by 2030.

7 (3) A reduction of motor vehicle greenhouse gas emissions by  
8 80 percent by 2050.

9 (b) In developing the comprehensive strategy, the state board  
10 shall do all of the following:

11 (1) Seek to maximize the reduction of criteria air pollutants.

12 (2) Identify regulation that could improve market acceptance,  
13 spur technology advancements, and reduce technology costs.

14 (3) Identify research needs to address any data gaps.

15 (4) Identify areas where the state should coordinate with other  
16 state agencies, districts, utilities providers, and technology  
17 providers to implement measures identified as part of the  
18 comprehensive strategy.

19 (5) Identify benefits to low-income communities and communities  
20 disproportionately impacted by diesel pollution.

21 (6) Identify policies that provide advantages to fleets that reduce  
22 greenhouse gas emissions early.

23 (c) (1) The state board, through a public process, may establish  
24 a process to identify medium duty and heavy-duty vehicle segments  
25 that can more quickly reduce motor vehicle emissions, consistent  
26 with the state board's three-year heavy-duty vehicle investment  
27 strategy required pursuant to the California Clean Truck, Bus,  
28 and Off-Road Vehicle and Equipment Technology Program,  
29 established pursuant to Section 39719.2, and with a beachhead  
30 market analysis.

31 (2) Following the process described in paragraph (1), the state  
32 board shall implement additional emissions reduction strategies  
33 and motor vehicle deployment goals consistent with subdivision  
34 (a).

35 SEC. 3. \_\_\_\_\_ of the annual proceeds of the Greenhouse Gas  
36 Reduction Fund, created pursuant to Section 16428.8 of the  
37 Government Code, shall be appropriated in the annual Budget Act  
38 beginning in the 2019–20 fiscal year through the 2024–25 fiscal  
39 year, inclusive, to the State Air Resources Board for programs  
40 established pursuant to the California Clean Truck, Bus, and

1 *Off-Road Vehicle and Equipment Technology Program, established*  
2 *pursuant to Section 39719.2 of the Health and Safety Code, to*  
3 *support the commercialization of medium-duty and heavy-duty*  
4 *vehicles that reduce greenhouse gas emissions.*

5 ~~SECTION 1. It is the intent of the Legislature to enact~~  
6 ~~legislation relating to penalties for traffic violations.~~

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

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**SENATE BILL****No. 45****Introduced by Senator Allen**

December 3, 2018

An act to add Division 46 (commencing with Section 80200) to the Public Resources Code, relating to public resources, by providing the funds necessary therefor through an election for the issuance and sale of bonds of the State of California and for the handling and disposition of those funds, and declaring the urgency thereof, to take effect immediately.

## LEGISLATIVE COUNSEL'S DIGEST

SB 45, as introduced, Allen. Wildfire, Drought, and Flood Protection Bond Act of 2020.

The California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, approved by the voters as Proposition 68 at the June 5, 2018, statewide primary direct election, authorizes the issuance of bonds in an amount of \$4,000,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program.

This bill would enact the Wildfire, Drought, and Flood Protection Bond Act of 2020, which, if approved by the voters, would authorize the issuance of bonds in an unspecified amount pursuant to the State General Obligation Bond Law to finance projects to restore fire damaged areas, reduce wildfire risk, create healthy forest and watersheds, reduce climate impacts on urban areas and vulnerable populations, protect water supply and water quality, protect rivers, lakes, and streams, reduce flood risk, protect fish and wildlife from climate impacts, improve climate resilience of agricultural lands, and protect coastal lands and resources.

This bill would provide for the submission of these provisions to the voters at the \_\_\_\_, 2020, \_\_\_\_ election.

This bill would declare that it is to take effect immediately as an urgency statute.

Vote: 2/3. Appropriation: no. Fiscal committee: yes.  
State-mandated local program: no.

*The people of the State of California do enact as follows:*

1 SECTION 1. Division 46 (commencing with Section 80200)  
2 is added to the Public Resources Code, to read:

3

4 DIVISION 46. WILDFIRE, DROUGHT, AND FLOOD  
5 PROTECTION BOND ACT OF 2020

6

7 CHAPTER 1. GENERAL PROVISIONS

8

9 80200. This division shall be known, and may be cited, as the  
10 Wildfire, Drought, and Flood Protection Bond Act of 2020.

11 80201. The people of California find and declare all of the  
12 following:

13 (a) California’s changing climate creates increased risk of  
14 catastrophic wildfire, drought, severe heat events, sea level rise,  
15 as well as impacts to agriculture, water supply and water quality,  
16 and the health of the forests, watershed, and wildlife.

17 (b) These risks and impacts vary by region and can overwhelm  
18 the resources of local governments that must cope with severe  
19 climate change-related events.

20 (c) Reducing vulnerability to fire, flood, drought, and other  
21 climate-change related events require a statewide investment to  
22 increase climate resilience of communities and natural systems.

23 80202. For purposes of this division, the following definitions  
24 apply:

25 (a) “Committee” means the Wildfire, Drought, and Flood  
26 Protection Finance Committee created pursuant to Section 80402.

27 (b) “Disadvantaged community” means a community with a  
28 median household income less than 80 percent of the statewide  
29 average.

30 (c) “Fund” means the Wildfire, Drought, and Flood Protection  
31 Fund created pursuant to Section 80210.

1 80203. An amount that equals not more than 5 percent of the  
2 funds allocated for a grant program pursuant to this division may  
3 be used to pay the administrative costs of that program.

4 80204. (a) Except as provided in subdivision (b), up to 10  
5 percent of funds allocated for each program funded by this division  
6 may be expended, including, but not limited to, by grants, for  
7 planning and monitoring necessary for the successful design,  
8 selection, and implementation of the projects authorized under that  
9 program. This section shall not otherwise restrict funds ordinarily  
10 used by an agency for “preliminary plans,” “working drawings,”  
11 and “construction” as defined in the annual Budget Act for a capital  
12 outlay project or grant project. Planning may include feasibility  
13 studies for environmental site cleanup that would further the  
14 purpose of a project that is eligible for funding under this division.  
15 Monitoring may include measuring greenhouse gas emissions  
16 reductions and carbon sequestration associated with program  
17 expenditures under this division.

18 (b) Funds used for planning projects that benefit disadvantaged  
19 communities may exceed 10 percent of the funds allocated if the  
20 state agency administering the moneys determines that there is a  
21 need for the additional funding.

22 80205. To the extent feasible, a project that includes water  
23 efficiencies, stormwater capture for infiltration or reuse, or carbon  
24 sequestration features in the project design may be given priority  
25 for grant funding under this division.

26 80206. Moneys allocated pursuant to this division shall not be  
27 used to fulfill any mitigation requirements imposed by law.

28 80207. (a) To the extent feasible in implementing this division  
29 and except as provided in subdivision (b), a state agency receiving  
30 funding under this division shall seek to achieve wildlife  
31 conservation objectives through projects on public lands or  
32 voluntary projects on private lands. Projects on private lands shall  
33 be evaluated based on the durability of the benefits created by the  
34 investment. Funds may be used for payments for the protection or  
35 creation of measurable habitat improvements or other  
36 improvements to the condition of endangered or threatened species,  
37 including through the development and implementation of habitat  
38 credit exchanges.

39 (b) This section shall not apply to Chapter 3 (commencing with  
40 Section 80230), Chapter 5 (commencing with Section 80250),



1 Chapter 6 (commencing with Section 80260), Chapter 8  
2 (commencing with Section 80280), or Chapter 10 (commencing  
3 with Section 80300).

4 80208. Funds provided pursuant to this division, and any  
5 appropriation or transfer of those funds, shall not be deemed to be  
6 a transfer of funds for the purposes of Chapter 9 (commencing  
7 with Section 2780) of Division 3 of the Fish and Game Code.

8 80209. For grants awarded for projects that serve a  
9 disadvantaged community, the administering entity may provide  
10 advanced payments in the amount of 25 percent of the grant award  
11 to the recipient to initiate the project in a timely manner. The  
12 administering entity shall adopt additional requirements for the  
13 recipient of the grant regarding the use of the advanced payments  
14 to ensure that the moneys are used properly.

15 80210. (a) The proceeds of bonds issued and sold pursuant to  
16 this division, exclusive of refunding bonds issued and sold pursuant  
17 to Section 80412, shall be deposited in the Wildfire, Drought, and  
18 Flood Protection Fund, which is hereby created in the State  
19 Treasury.

20 (b) Proceeds of bonds issued and sold pursuant to this division  
21 shall be allocated according to the following schedule:

- 22 (1) \_\_\_ dollars (\$\_\_\_) for restoring fire damaged areas.
- 23 (2) \_\_\_ dollars (\$\_\_\_) for reducing wildfire risk.
- 24 (3) \_\_\_ dollars (\$\_\_\_) for creating healthy forests and  
25 watersheds.
- 26 (4) \_\_\_ dollars (\$\_\_\_) for reducing climate impacts on urban  
27 areas and vulnerable populations.
- 28 (5) \_\_\_ dollars (\$\_\_\_) for protecting water supply and water  
29 quality.
- 30 (6) \_\_\_ dollars (\$\_\_\_) for protecting rivers, lakes, and streams.
- 31 (7) \_\_\_ dollars (\$\_\_\_) for reducing flood risks.
- 32 (8) \_\_\_ dollars (\$\_\_\_) for protecting fish and wildlife and  
33 natural resources from climate impacts.
- 34 (9) \_\_\_ dollars (\$\_\_\_) for improving climate resilience of  
35 agricultural lands.
- 36 (10) \_\_\_ dollars (\$\_\_\_) for protecting coastal lands and  
37 resources.

38 80211. The Legislature may enact legislation necessary to  
39 implement programs funded by this division.

1 CHAPTER 2. RESTORING FIRE DAMAGED AREAS

2  
3 80220. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available for  
4 appropriation by the Legislature for the restoration of wildfire  
5 damaged areas. Eligible projects include, but are not limited to,  
6 grants to public agencies for revegetation and other projects to  
7 reduce erosion, flood, and mudslide risk, clean up of hazardous  
8 sites, and habitat restoration.  
9

10 CHAPTER 3. REDUCING WILDFIRE RISK

11  
12 80230. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
13 for appropriation by the Legislature for the reduction in the risk  
14 of wildfire threat to lives, properties, and natural habitats. Eligible  
15 projects include, but are not limited to, grants to assist with any  
16 of the following:

- 17 (a) Structure and community retrofit projects.
- 18 (b) Improvement in the alert and evacuation systems.
- 19 (c) Establishment of urban-wildland buffers in high fire hazard  
20 areas.
- 21 (d) Science-based vegetation treatment programs near urban  
22 areas.

23  
24 CHAPTER 4. CREATING HEALTHY FOREST AND WATERSHEDS

25  
26 80240. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
27 for appropriation by the Legislature for the protection and  
28 restoration of forests, including redwoods, conifers, oak woodlands,  
29 chaparral, deserts, and other habitat types to ensure the long-term  
30 ecological health of these natural systems, to reduce risk of extreme  
31 wildfires, floods, and other climate impacts, and to improve water  
32 supply and water quality, carbon sequestration, community access,  
33 and other public benefits.  
34

35 CHAPTER 5. REDUCING CLIMATE RISKS IN URBAN AREAS AND  
36 ON VULNERABLE POPULATIONS

37  
38 80250. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
39 for appropriation by the Legislature for the reduction of climate  
40 impacts on urban areas and vulnerable populations. Eligible

1 projects include, but are not limited to, urban greening, urban  
2 forestry projects, and other projects to reduce urban heat island  
3 effects, to establish cooling centers, and to safeguard vulnerable  
4 populations.

5

6 CHAPTER 6. PROTECTING WATER SUPPLY AND WATER QUALITY

7

8 80260. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
9 for appropriation by the Legislature for the protection of  
10 California’s water supply and water quality. Eligible projects  
11 include, but are not limited to, the following:

- 12 (a) Safe drinking water projects.
- 13 (b) Water quality projects.
- 14 (c) Sustainable groundwater management projects.

15

16 CHAPTER 7. PROTECTING RIVERS, LAKES, AND STREAMS

17

18 80270. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
19 for appropriation by the Legislature for the protection and  
20 restoration of rivers, lakes, and streams. Eligible projects include,  
21 but are not limited to, the following:

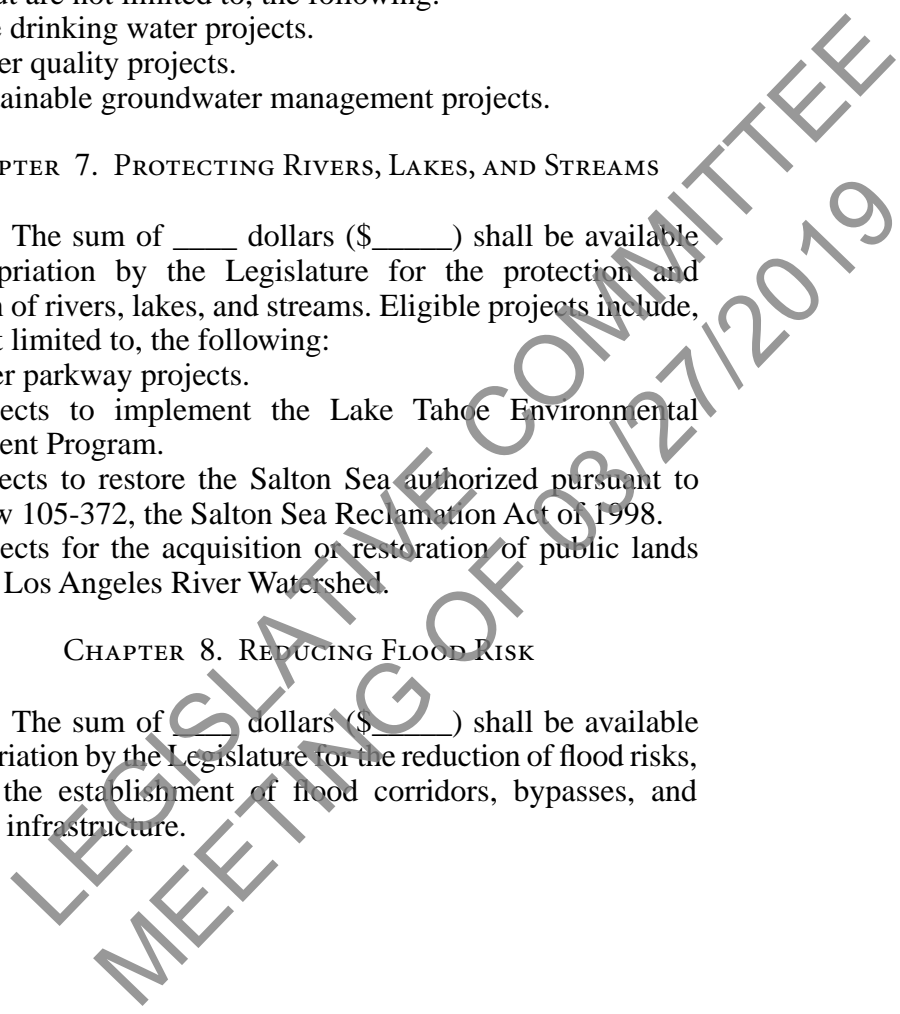
- 22 (a) River parkway projects.
- 23 (b) Projects to implement the Lake Tahoe Environmental  
24 Improvement Program.
- 25 (c) Projects to restore the Salton Sea authorized pursuant to  
26 Public Law 105-372, the Salton Sea Reclamation Act of 1998.
- 27 (d) Projects for the acquisition or restoration of public lands  
28 within the Los Angeles River Watershed.

29

30 CHAPTER 8. REDUCING FLOOD RISK

31

32 80280. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
33 for appropriation by the Legislature for the reduction of flood risks,  
34 including the establishment of flood corridors, bypasses, and  
35 associated infrastructure.



1 CHAPTER 9. PROTECTING FISH AND WILDLIFE FROM CLIMATE  
2 IMPACTS

3  
4 80290. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
5 for appropriation by the Legislature for the protection of  
6 California’s fish and wildlife resources. Eligible projects include,  
7 but are not limited to, the following:

- 8 (a) Salmon and other fishery restoration projects.
- 9 (b) Projects to protect wetlands and wildfire refuges for  
10 migratory birds.
- 11 (c) Establishment, protection, and restoration of wildlife  
12 corridors and habitat linkages.
- 13 (d) Conservation actions on private lands.

14  
15 CHAPTER 10. IMPROVING CLIMATE RESILIENCE OF  
16 AGRICULTURAL LANDS

17  
18 80300. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
19 for appropriation by the Legislature for the improvement in climate  
20 resilience of agricultural lands. Eligible projects include, but are  
21 not limited to, the following:

- 22 (a) Grants to promote practices on farms and ranches that  
23 improve agricultural and open space soil health, carbon  
24 sequestration, and erosion control, water quality and water  
25 retention.
- 26 (b) California Farmland Conservancy Program established  
27 pursuant to Division 10.2 (commencing with Section 10200) of  
28 the Public Resources Code.

29  
30 CHAPTER 11. PROTECTING COASTAL LANDS AND RESOURCES

31  
32 80310. The sum of \_\_\_\_ dollars (\$\_\_\_\_) shall be available  
33 for appropriation by the Legislature for the protection of coastal  
34 lands, waters and natural resources, and wildlife from climate  
35 impacts. Eligible projects include, but are not limited to, projects  
36 to restore coastal wetlands and projects to address sea level rise  
37 and temperature increase

CHAPTER 12. FISCAL PROVISIONS

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80400. (a) Bonds in the total amount of \_\_\_\_ dollars (\$\_\_\_\_), and any additional bonds authorized, issued, and appropriated in accordance with this division pursuant to other provisions of law, not including the amount of any refunding bonds issued in accordance with Section 80412, may be issued and sold to provide a fund to be used for carrying out the purposes expressed in this division and to reimburse the General Obligation Bond Expense Revolving Fund pursuant to Section 16724.5 of the Government Code. The bonds, when sold, issued, and delivered, shall be and constitute a valid and binding obligation of the State of California, and the full faith and credit of the State of California is hereby pledged for the punctual payment of both the principal of, and interest on, the bonds as the principal and interest become due and payable.

(b) The Treasurer shall sell the bonds authorized by the committee pursuant to this section. The bonds shall be sold upon the terms and conditions specified in a resolution to be adopted by the committee pursuant to Section 16731 of the Government Code.

80401. The bonds authorized by this division shall be prepared, executed, issued, sold, paid, and redeemed as provided in the State General Obligation Bond Law (Chapter 4 (commencing with Section 16720) of Part 3 of Division 4 of Title 2 of the Government Code), as amended from time to time, and all of the provisions of that law apply to the bonds and to this division.

80402. (a) Solely for the purpose of authorizing the issuance and sale, pursuant to the State General Obligation Bond Law (Chapter 4 (commencing with Section 16720) of Part 3 of Division 4 of Title 2 of the Government Code), of the bonds authorized by this division, the Wildfire, Drought, and Flood Protection Finance Committee is hereby created. For purposes of this division, the Wildfire, Drought, and Flood Protection Finance Committee is the “committee” as that term is used in the State General Obligation Bond Law.

(b) The committee consists of the Director of Finance, the Treasurer, and the Controller. Notwithstanding any other law, any member may designate a representative to act as that member in

1 his or her place for all purposes, as though the member were  
2 personally present.

3 (c) The Treasurer shall serve as the chairperson of the  
4 committee.

5 (d) A majority of the committee may act for the committee.

6 80403. The committee shall determine whether or not it is  
7 necessary or desirable to issue bonds authorized by this division  
8 in order to carry out the actions specified in this division and, if  
9 so, the amount of bonds to be issued and sold. Successive issues  
10 of bonds may be authorized and sold to carry out those actions  
11 progressively, and it is not necessary that all of the bonds  
12 authorized to be issued be sold at any one time.

13 80404. For purposes of the State General Obligation Bond  
14 Law, “board,” as defined in Section 16722 of the Government  
15 Code, means the Secretary of the Natural Resources Agency.

16 80405. There shall be collected each year and in the same  
17 manner and at the same time as other state revenue is collected,  
18 in addition to the ordinary revenues of the state, a sum in an amount  
19 required to pay the principal of, and interest on, the bonds each  
20 year. It is the duty of all officers charged by law with any duty in  
21 regard to the collection of the revenue to do and perform each and  
22 every act that is necessary to collect that additional sum.

23 80406. Notwithstanding Section 13340 of the Government  
24 Code, there is hereby appropriated from the General Fund in the  
25 State Treasury, for the purposes of this division, an amount that  
26 will equal the total of the following:

27 (a) The sum annually necessary to pay the principal of, and  
28 interest on, bonds issued and sold pursuant to this division, as the  
29 principal and interest become due and payable.

30 (b) The sum that is necessary to carry out the provisions of  
31 Section 80409, appropriated without regard to fiscal years.

32 80407. The board may request the Pooled Money Investment  
33 Board to make a loan from the Pooled Money Investment Account,  
34 including other authorized forms of interim financing that include,  
35 but are not limited to, commercial paper, in accordance with  
36 Section 16312 of the Government Code for the purpose of carrying  
37 out this division. The amount of the request shall not exceed the  
38 amount of the unsold bonds that the committee has, by resolution,  
39 authorized to be sold for the purpose of carrying out this division,  
40 excluding refunding bonds authorized pursuant to Section 80412,

1 less any amount loaned and not yet repaid pursuant to this section  
 2 and withdrawn from the General Fund pursuant to Section 80409  
 3 and not yet returned to the General Fund. The board shall execute  
 4 those documents required by the Pooled Money Investment Board  
 5 to obtain and repay the loan. Any amounts loaned shall be  
 6 deposited in the fund to be allocated in accordance with this  
 7 division.

8 80408. Notwithstanding any other provision of this division,  
 9 or of the State General Obligation Bond Law, if the Treasurer sells  
 10 bonds that include a bond counsel opinion to the effect that the  
 11 interest on the bonds is excluded from gross income for federal  
 12 tax purposes under designated conditions or is otherwise entitled  
 13 to any federal tax advantage, the Treasurer may maintain separate  
 14 accounts for the bond proceeds invested and for the investment  
 15 earnings on those proceeds, and may use or direct the use of those  
 16 proceeds or earnings to pay any rebate, penalty, or other payment  
 17 required under federal law or take any other action with respect  
 18 to the investment and use of those bond proceeds, as may be  
 19 required or desirable under federal law in order to maintain the  
 20 tax-exempt status of those bonds and to obtain any other advantage  
 21 under federal law on behalf of the funds of this state.

22 80409. For the purposes of carrying out this division, the  
 23 Director of Finance may authorize the withdrawal from the General  
 24 Fund of an amount or amounts not to exceed the amount of the  
 25 unsold bonds that have been authorized by the committee to be  
 26 sold for the purpose of carrying out this division, excluding  
 27 refunding bonds authorized pursuant to Section 80412, less any  
 28 amount loaned pursuant to Section 80407 and not yet repaid and  
 29 any amount withdrawn from the General Fund pursuant to this  
 30 section and not yet returned to the General Fund. Any amounts  
 31 withdrawn shall be deposited in the fund to be allocated in  
 32 accordance with this division. Any moneys made available under  
 33 this section shall be returned to the General Fund, with interest at  
 34 the rate earned by the moneys in the Pooled Money Investment  
 35 Account, from proceeds received from the sale of bonds for the  
 36 purpose of carrying out this division.

37 80410. All moneys deposited in the fund that are derived from  
 38 premium and accrued interest on bonds sold pursuant to this  
 39 division shall be reserved in the fund and shall be available for  
 40 transfer to the General Fund as a credit to expenditures for bond

1 interest, except that amounts derived from premiums may be  
2 reserved and used to pay the cost of bond issuance before any  
3 transfer to the General Fund.

4 80411. Pursuant to Chapter 4 (commencing with Section  
5 16720) of Part 3 of Division 4 of Title 2 of the Government Code,  
6 the cost of bond issuance shall be paid or reimbursed out of the  
7 bond proceeds, including premiums, if any. To the extent the cost  
8 of bond issuance is not paid from premiums received from the sale  
9 of bonds, these costs shall be allocated proportionally to each  
10 program funded through this division by the applicable bond sale.

11 80412. The bonds issued and sold pursuant to this division  
12 may be refunded in accordance with Article 6 (commencing with  
13 Section 16780) of Chapter 4 of Part 3 of Division 4 of Title 2 of  
14 the Government Code, which is a part of the State General  
15 Obligation Bond Law. Approval by the voters of the state for the  
16 issuance of the bonds under this division shall include approval  
17 of the issuance of any bonds issued to refund any bonds originally  
18 issued under this division or any previously issued refunding bonds.  
19 Any bond refunded with the proceeds of a refunding bond as  
20 authorized by this section may be legally defeased to the extent  
21 permitted by law in the manner and to the extent set forth in the  
22 resolution, as amended from time to time, authorizing that refunded  
23 bond.

24 80413. The proceeds from the sale of bonds authorized by this  
25 division are not “proceeds of taxes” as that term is used in Article  
26 XIII B of the California Constitution, and the disbursement of these  
27 proceeds is not subject to the limitations imposed by that article.

28 SEC. 2. Section 1 of this act shall take effect upon the approval  
29 by the voters of the Wildfire, Drought, and Flood Protection Bond  
30 Act of 2020.

31 SEC. 3. Section 1 of this act shall be submitted to the voters  
32 at the \_\_\_\_, 2020, statewide \_\_\_\_ election in accordance with  
33 provisions of the Government Code and the Elections Code  
34 governing the submission of a statewide measure to the voters.

35 SEC. 4. This act is an urgency statute necessary for the  
36 immediate preservation of the public peace, health, or safety within  
37 the meaning of Article IV of the Constitution and shall go into  
38 immediate effect. The facts constituting the necessity are:



- 1 In order to fund wildfire, drought, and flood protection programs
- 2 at the earliest possible date, it is necessary that this act take effect
- 3 immediately.

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

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AMENDED IN ASSEMBLY MARCH 19, 2019

CALIFORNIA LEGISLATURE—2019–20 REGULAR SESSION

**ASSEMBLY BILL****No. 1744****Introduced by Assembly Member Salas**

February 22, 2019

~~An act to amend Section 44299.91 of the Health and Safety Code, relating to vehicular air pollution.~~ *An act to add Section 43013.4 to the Health and Safety Code, relating to vehicular air pollution.*

## LEGISLATIVE COUNSEL'S DIGEST

AB 1744, as amended, Salas. ~~Schoolbuses: retrofit and replacement.~~ *State Air Resources Board: regulations: emissions reduction credit program.*

*Existing law imposes various limitations on the emission of air contaminants for the control of air pollution from vehicular and nonvehicular sources. Pursuant to that authority, the State Air Resources Board has adopted a regulation to significantly reduce emissions of particulate matter, oxides of nitrogen, and other criteria air pollutants from existing diesel trucks and buses operating in the state, commonly known as the Truck and Bus Regulation.*

*This bill would require the state board to develop and implement an emissions reduction credit program, as specified, for any regulation to reduce emissions of diesel particulate matter, oxides of nitrogen, and other criteria air pollutants from in-use, heavy-duty diesel-fueled vehicles.*

~~Existing law establishes various programs for the reduction of vehicular air pollution, including the Lower-Emission School Bus Program adopted by the State Air Resources Board. The Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of~~

2006, approved by the voters as Proposition 1B at the November 7, 2006, general election, authorizes the issuance of \$19.925 billion of general obligation bonds for specified purposes, including \$200 million for schoolbus retrofit and replacement purposes. Existing law requires the state board to allocate those bond moneys for the schoolbus retrofit and replacement program to air pollution control and air quality management districts by prioritizing the retrofit or replacement of the most polluting schoolbuses in small air districts first and then medium air districts, as specified. Existing law requires each allocation to provide sufficient funding for at least one project to be implemented as part of the Lower-Emission School Bus Program.

This bill instead would require the state board to prioritize the retrofit or replacement of the most polluting and oldest schoolbuses that operate in air districts that are designated federal extreme nonattainment, followed by small air districts, and then medium air districts, as specified.

Vote: majority. Appropriation: no. Fiscal committee: yes.  
 State-mandated local program: no.

*The people of the State of California do enact as follows.*

- 1     SECTION 1. Section 43013.4 is added to the Health and Safety
- 2     Code, to read:
- 3     43013.4. (a) The state board shall develop and implement an
- 4     emissions reduction credit program for a regulation to reduce
- 5     emissions of diesel particulate matter, oxides of nitrogen, and
- 6     other criteria air pollutants from in-use, heavy-duty diesel-fueled
- 7     vehicles. The emissions reduction credit program shall include all
- 8     of the following criteria:
- 9     (1) Results in reductions of diesel particulate matter, oxides of
- 10    nitrogen, and other criteria air pollutants that are real, permanent,
- 11    quantifiable, verifiable, and enforceable by the state board.
- 12    (2) Be based on the amount of emissions that are created from
- 13    vehicles subject to a regulation to reduce emissions of diesel
- 14    particulate matter, oxides of nitrogen, and other criteria air
- 15    pollutants from in-use, heavy-duty diesel-fueled vehicles.
- 16    (3) Allows an emissions reduction credit to be used in any
- 17    compliance year for owners and operators of any of the following:
- 18    (A) A low-mileage construction truck operated for less than
- 19    5,000 miles per year in the state each compliance year.

1 (B) A vehicle operated for less than 5,000 miles per year that  
2 is either of the following:

3 (i) A truck owned by a contractor licensed through the  
4 Contractors' State License Board.

5 (ii) A single-engine crane with a load rating of 15 tons or more.

6 (b) If the state board makes a determination at a public hearing  
7 that the implementation of this section would violate the current  
8 state implementation plan, as required by the federal Clean Air  
9 Act (42 U.S.C. Sec. 7401 et seq.), the state board shall delay the  
10 implementation of this section until the state board has submitted  
11 an amended state implementation plan to the United States  
12 Environmental Protection Agency for approval.

13 SECTION 1. ~~Section 44299.91 of the Health and Safety Code~~  
14 ~~is amended to read:~~

15 ~~44299.91. Of the funds appropriated pursuant to Item~~  
16 ~~3900-001-6053 of Section 2.00 of the Budget Act of 2007 and for~~  
17 ~~the purposes of this chapter, the state board shall allocate the funds~~  
18 ~~in accordance with all of the following:~~

19 ~~(a) All schoolbuses in operation in the state of model year 1976~~  
20 ~~or earlier shall be replaced.~~

21 ~~(b) (1) The funds remaining after the allocation made pursuant~~  
22 ~~to subdivision (a) shall be apportioned to districts based on the~~  
23 ~~number of schoolbuses of model years 1977 to 1986, inclusive,~~  
24 ~~that are in operation within each district consistent with subdivision~~  
25 ~~(i).~~

26 ~~(2) Each district shall determine the percentage of its allocation~~  
27 ~~to spend between replacement of schoolbuses of model years 1977~~  
28 ~~to 1986, inclusive, and retrofit of schoolbuses of any model year.~~  
29 ~~Of the funds spent by a district for replacement of schoolbuses~~  
30 ~~pursuant to this paragraph, a district shall replace the oldest~~  
31 ~~schoolbuses of model years 1977 to 1986, inclusive, within the~~  
32 ~~district. Of the funds spent by a district for retrofit of schoolbuses~~  
33 ~~pursuant to this paragraph, a district shall retrofit the most polluting~~  
34 ~~schoolbuses within the district.~~

35 ~~(c) All schoolbuses replaced pursuant to this section shall be~~  
36 ~~serapped.~~

37 ~~(d) These funds shall be administered by either the State Energy~~  
38 ~~Resources Conservation and Development Commission or the~~  
39 ~~district.~~

1 ~~(e) If a district's funds, including accrued interest, are not~~  
2 ~~committed by an executed contract as reported to the state board~~  
3 ~~on or before June 30, 2012, then those funds shall be transferred,~~  
4 ~~on or before January 1, 2013, to another district that demonstrates~~  
5 ~~an ability to expend the funds by January 1, 2014. In implementing~~  
6 ~~this section, the state board, in consultation with the districts, shall,~~  
7 ~~by September 30, 2012, establish a list of potential recipient~~  
8 ~~districts, prioritizing districts consistent with subdivision (i).~~

9 ~~(f) Each allocation made pursuant to this section to a district~~  
10 ~~shall provide enough funding for at least one project to be~~  
11 ~~implemented pursuant to the Lower-Emission School Bus Program~~  
12 ~~adopted by the state board. In the event a district has unspent funds~~  
13 ~~as of January 1, 2014, the district shall work with the state board~~  
14 ~~to transfer the unspent funds to an alternative district with existing~~  
15 ~~demand consistent with subdivision (i).~~

16 ~~(g) Funds made available pursuant to this chapter to a district~~  
17 ~~shall be expended by June 30, 2014.~~

18 ~~(h) All funds not expended by a district by June 30, 2014, shall~~  
19 ~~be returned to the state board.~~

20 ~~(i) Beginning January 1, 2020, funds authorized by the state~~  
21 ~~board shall be allocated to districts by prioritizing to retrofit or~~  
22 ~~replace the most polluting and oldest schoolbuses that operate in~~  
23 ~~districts that are designated as federal extreme nonattainment,~~  
24 ~~followed by small districts first, and then medium districts, as~~  
25 ~~defined by the state board. Each allocation shall provide sufficient~~  
26 ~~funding for at least one project to be implemented pursuant to the~~  
27 ~~Lower-Emission School Bus Program adopted by the state board.~~  
28 ~~If a district has unspent funds within six months of the expenditure~~  
29 ~~deadline, the district shall work with the state board to transfer~~  
30 ~~those funds to an alternative qualifying district with existing~~  
31 ~~demand.~~

LEGISLATIVE COMMITTEE  
MEETING 03/27/2019

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AMENDED IN SENATE MARCH 6, 2019

**SENATE BILL****No. 69**

**Introduced by Senator Wiener**  
*(Coauthor: Assembly Member Levine)*

January 9, 2019

An act to amend ~~Section 36002 of the Public Resources Code, Sections 5930 and 6922 of, to add Sections 5930.5 and 6921.5 to, and to add and repeal Section 1127 of, the Fish and Game Code, to add Chapter 9 (commencing with Section 39950) to Part 2 of Division 26 of the Health and Safety Code, to amend Sections 4582.71, 10001, 10004, 10005, and 71205.3 of, to add Sections 5814.5, 5818.3, 35626, 35633, and 35634 to, and to add Chapter 5 (commencing with Section 35655) to Division 26.5 of, the Public Resources Code, and to amend Section 13170.3 of, to add Sections 11916, 13170.4, and 13247.5 to, and to add Article 4.5 (commencing with Section 13278) to Chapter 4 of Division 7 of, the Water Code, relating to ~~ocean resources management: public resources.~~~~

## LEGISLATIVE COUNSEL'S DIGEST

SB 69, as amended, Wiener. ~~Ocean resources management: state policy.~~ *Resiliency Act of 2019.*

*(1) Existing law requires the Fish and Game Commission to establish fish hatcheries for the purposes of stocking the waters of California with fish, and requires the Department of Fish and Wildlife to maintain and operate those hatcheries.*

*This bill would require the department to undertake a pilot project to assess the effectiveness of parentage-based tagging, as defined, in improving the management of central valley Chinook salmon hatcheries and in rebuilding salmon runs and the California salmon fishing*

industry. The bill would require the department to enter into an agreement with the University of California, or a similar entity with a proven record of working with parentage-based tagging, to assist in the design, implementation, and evaluation of the pilot project. The bill would require the department to begin implementation of the pilot project by July 1, 2021, and to conclude the pilot project no later than 5 years after implementation of the pilot project has begun. The bill would require the department to submit to the Legislature a report by July 1, 2021, summarizing progress in implementing the pilot project and a final report no later than one year after the conclusion of the pilot project summarizing the results of the pilot project.

(2) Existing law requires the Department of Fish and Wildlife to examine, from time to time, all dams in all rivers and streams in the state naturally frequented by fish.

This bill would instead specify that the department is required to undertake this duty at least every 5 years. The bill would also require the department on or before January 1, 2022, and every 5 years thereafter, to identify dams within the state for removal that are a priority for removal to protect and conserve fish and wildlife in accordance with a specified state policy. The bill would require the department, in consultation with the Department of Water Resources, to develop a schedule and funding proposal to initiate the removal of those dams identified by the department.

(3) The Salmon, Steelhead Trout, and Anadromous Fisheries Program Act requires the Department of Fish and Wildlife, with the advice of the Advisory Committee on Salmon and Steelhead Trout and the Commercial Salmon Trollers Advisory Committee, to prepare and maintain a detailed and comprehensive program composed of specified elements for the protection and increase of salmon, steelhead trout, and anadromous fisheries. The act requires the department to consult with every public agency whose policies or decisions may affect the goals of the program. The act declares it the policy of the state and the department to encourage specified nonprofit salmon release and return operations operated by, or on behalf of, licensed commercial salmon fishermen for the purpose of enhancing California's salmon populations and increasing the salmon harvest by commercial and recreational fishermen. The act requires the department, to the extent that funds and personnel are available, to cooperate with fishing organizations in the siting and establishment of those operations to ensure the protection of natural spawning stocks of native salmon.

*This bill would require department, in coordination with the above-described advisory committees, to develop, as an element of the program, a policy by January 1, 2022, for the use of releases, including in-river and ocean net pen releases, of salmon produced in state managed and comanaged hatcheries during periods of drought or in other circumstances that result in significantly abnormal levels of mortality during onsite releases. The bill would also require the department, no later than January 1, 2022, in consultation with those advisory committees, to develop and implement at least one additional ocean-based offsite hatchery salmon release operation.*

*(4) Existing law requires the Director of Fish and Wildlife to identify and list those streams and watercourses in the state, meeting designated conditions, for which minimum flow levels need to be established in order to assure the continued viability of stream-related fish and wildlife resources. Existing law requires the director to prepare proposed streamflow requirements for each identified stream or watercourse and, upon completion of the proposed streamflow requirements for any individual stream or watercourse, to transmit these proposed requirements to the State Water Resources Control Board. Existing law requires the Department of Fish and Wildlife to initiate studies to develop those requirements for those streams or watercourses in each fiscal year for which funds are appropriated and to complete studies on each stream or watercourse within 3 years. Existing law declares legislative intent that the department develop a program that will initiate studies on at least 10 streams or watercourses in each fiscal year. Existing law requires the department to impose and collect a filing fee of \$850 from a user of water for certain types of permit applications filed with the state board to defray the cost of identifying streams and providing those studies. Existing law requires the state board to forward these fees to the department every 6 months.*

*This bill would name the list of streams and watercourses identified by the director for these purposes as the California Endangered Rivers List. The bill would require the department to develop a program that will initiate studies on at least 3 streams or watercourses in each fiscal year. The bill would require the department to return the filing fees collected in a fiscal year to the state board for deposit in the Water Rights Fund if the department fails to initiate studies on at least 3 streams or watercourses in that fiscal year.*

*(5) Existing law establishes the State Air Resources Board and vests the state board with regulatory jurisdiction over air quality issues.*



*This bill would require the state board to develop and implement a voluntary vessel speed reduction incentive program for the Santa Barbara Channel and San Francisco Bay area regions to reduce air pollution, the risk of fatal vessel strikes on whales, and harmful underwater acoustic impacts. The bill would require the state board to implement the program by July 1, 2020, and would require the state board to submit a report to the Legislature by December 31, 2022, regarding the implementation of the program.*

*(6) Existing law requires the Natural Resources Agency to update all of the state's existing wetlands inventory resources in order to prepare a study to accomplish specified goals, and to report the study to the Legislature no later than January 1, 2003.*

*This bill would require the agency to inventory the state's existing coastal wetlands resources and prepare a new study that meets these goals, and to submit the study to the Legislature on or before January 1, 2023. The bill would require the study to be updated, at a minimum, once every 5 years after January 1, 2023.*

*(7) Under existing law, the Budget Act of 2018, \$6,000,000 was appropriated to the State Coastal Conservancy for support or local assistance to implement a beneficial reuse pilot program for dredged sediment in the Redwood City Harbor. Under existing law, this money is available for encumbrance or expenditure until June 30, 2020, and for liquidation until June 30, 2023.*

*This bill would require the conservancy to submit a report, as provided, to the Legislature on that pilot program on or before December 31, 2022, and, upon appropriation by the Legislature, would require the conservancy to develop, in coordination with the United States Army Corps of Engineers, a beneficial reuse program to place and reuse dredged sediment for coastal wetland restoration projects.*

*(8) Existing law requires the Ocean Protection Council, in consultation with the State Coastal Conservancy and other relevant entities, to the extent funds are available from bonds or other sources, to establish and administer the Ocean Acidification and Hypoxia Reduction Program for the purposes of achieving specified goals.*

*On or before December 1, 2022, this bill would require the council to submit a report, as provided, to the Legislature and relevant state entities on the state's progress toward meeting specified goals regarding use of low-trophic mariculture to mitigate and adapt to climate change impacts, such as ocean acidification and warming and sea level rise, and acceleration of local restoration plans to restore 8,000 acres of*

*San Francisco Bay shellfish, native oyster reefs, and kelp forests to sequester carbon, combat ocean acidification, and protect shorelines from sea level rise.*

*(9) Existing law, subject to the availability of funding, authorizes the Ocean Protection Council to develop an ocean acidification and hypoxia science task force to ensure that decisionmaking is supported by the best available science, and requires the council to take specified actions to address ocean acidification and hypoxia, as prescribed, and, beginning January 1, 2018, and annually thereafter, at its first meeting of the year, adopt recommendations for further actions that may be taken to address ocean acidification and hypoxia.*

*This bill would require the council to, on or before December 31, 2020, establish a representative statewide advisory group to advise the state on its policy, management, science, and communications priorities and strategies to address ocean acidification and hypoxia. The bill would require the Secretary of the Natural Resources Agency to direct the council to, on or before December 31, 2021, conduct a statewide vulnerability assessment to identify the risks ocean acidification poses to the state's biological resources, communities, and economies within the context of other ongoing environmental changes and hazards, and to identify priorities and options for actions to improve the state's adaptive capacity to address ocean acidification and hypoxia.*

*(10) Existing law requires the Natural Resources Agency to update every 3 years the state's climate adaptation strategy to identify vulnerabilities to climate change by sectors and priority actions needed to reduce the risks in those sectors.*

*This bill would require the Secretary of the Natural Resources Agency to implement a comprehensive, coordinated, and proactive program for ocean and coastal habitats to enhance the state's ability to adapt to the unavoidable impacts of climate change, as specified. The bill would provide that these provisions shall be implemented only to the extent that implementation of these provisions is consistent with federal law.*

*(11) Existing law, the Marine Invasive Species Act, requires the State Lands Commission to adopt specified regulations that require an owner or operator of a vessel carrying, or capable of carrying, ballast water that operates in the waters of the state to implement and comply with an interim performance standard, as prescribed, for specified periods and the final performance standard for the discharge of ballast water*

of zero detectable living organisms for all organism size classes by January 1, 2030.

This bill would require the State Water Resources Control Board, instead of the commission, to adopt these regulations, as specified.

(12) Existing law requires the Department of Water Resources to supervise the maintenance and operation of dams and reservoirs as necessary to safeguard life and property. Under existing law, the department operates the State Water Resources Development System, also known as the State Water Project, composed of the state water facilities, including Oroville Dam.

Existing law requires the incorporation into certain water projects of features that the department determines necessary or desirable for the preservation of fish and wildlife, and necessary or desirable to permit, on a year-round basis, full utilization of the project for the enhancement of fish and wildlife and for recreational purposes to the extent that those features are consistent with other uses of the project if any.

This bill would require the department to immediately reinstate the effort, as described in a specified proposed settlement for Oroville Dam and related facilities, to select a final alternative and a final project design for the retrofit of Thermalito Afterbay to improve downstream temperature conditions on the Feather River for salmon and other species. The bill would require, on or before March 31, 2020, the department to appoint and convene an advisory committee to assist in the selection of a preferred alternative and a final project design for the Thermalito Afterbay retrofit. The bill would require the department to annually submit a report to the Legislature regarding progress toward the selection of a preferred alternative and a final project design for the Thermalito Afterbay retrofit.

(13) Under existing law, the Porter-Cologne Water Quality Control Act, the State Water Resources Control Board and the 9 California regional water quality control boards are the principal state agencies with responsibility for the coordination and control of water quality in the state. The act requires the state board to formulate and adopt state policies for water quality control and to formulate, adopt, and review a water quality control plan for the ocean waters of the state, known as the California Ocean Plan, and a water quality control plan for enclosed bays and estuaries, known as the California Enclosed Bays and Estuaries Plan, as prescribed. The act required the state board, on or before January 1, 2013, to either amend the California Ocean Plan,

*or adopt separate standards, to address water quality objectives and effluent limitations that are specifically appropriate to brackish groundwater treatment system facilities that produce municipal water supplies for local use.*

*This bill would require the state board, on or before December 31, 2022, to amend the California Ocean Plan and the California Enclosed Bays and Estuaries Plan to include water quality objectives and effluent limitations that specifically address ocean acidification and hypoxia. The bill would require the water quality objectives and effluent limitations to include implementation provisions, including, but not limited to, requiring all publicly operated wastewater treatment facilities that discharge to waters subject to the plans to adopt, incorporate, or improve denitrification protocols. By imposing additional requirements on publicly operated wastewater treatment facilities, the bill would impose a state-mandated local program. The bill would also require the state board to rescind a specified resolution relating to the California Ocean Plan.*

*(14) Existing law establishes the Marine Managed Areas Improvement Act, which, among other things, prescribes 6 classifications for designating managed areas in the marine and estuarine environments to ensure the long-term ecological viability and biological productivity of marine ecosystems and to preserve cultural resources in the coastal sea, including state water quality protection areas. The act defines state water quality protection areas for the purposes of the act as including areas of special biological significance.*

*This bill would prohibit waste from being discharged into areas of special biological significance, as provided. The bill would authorize the California regional water quality control boards, notwithstanding that prohibition, to approve waste discharge requirements or water quality certifications for limited-term activities in areas of special biological significance in accordance with specified conditions. The bill would require the State Water Resources Control Board to provide guidance to the regional boards on how to designate state water quality protection areas and would require a regional board to designate one state water quality protection area annually until all marine protected areas in the regional board's jurisdiction have an associated state water quality protection area.*

*(15) The Z'berg-Nejedly Forest Practice Act of 1973 prohibits a person from conducting timber operations unless a timber harvesting plan prepared by a registered professional forester has been submitted*

to, and approved by, the Department of Forestry and Fire Protection. The act requires the department, upon receipt of a timber harvesting plan, to transmit a copy to, among other entities, the appropriate California regional water quality control board, and prohibits a timber harvesting plan from being approved if the appropriate regional board finds, based on substantial evidence, that the timber operations proposed in the plan will result in a discharge into a watercourse that has been classified as impaired due to sediment pursuant to federal law, that causes or contributes to a violation of the regional water quality control plan. The act requires the State Board of Forestry and Fire Protection to adopt district forest practice rules and regulations, as provided, to ensure the continuous growing and harvesting of commercial forest tree species and to protect the soil, air, fish, wildlife, and water resources.

Under the Porter-Cologne Water Quality Control Act, the State Water Resources Control Board and the regional boards prescribe waste discharge requirements for the discharge of waste that could affect the quality of the waters of the state.

This bill would instead prohibit a timber harvesting plan from being approved unless the appropriate regional board finds that the timber operations proposed in the plan will not result in a discharge into a watercourse that has been classified as impaired due to sediment pursuant to federal law, that causes or contributes to a violation of the regional water quality control plan, basin plan, approved total maximum daily load requirement, or approved waste discharge requirement.

The bill would impose various forest practice requirements on a person who discharges sediment into a Class I, II, or III watercourse pursuant to a timber harvesting plan and would require the regional boards to incorporate those requirements into any applicable waste discharge requirements to manage controllable sources of sediment, achieve water quality objectives, and protect beneficial uses. The bill would provide that any requirements in the forest practice rules adopted by the State Board of Forestry and Fire Protection that contain more stringent sediment control standards shall prevail over the requirements established in the bill, and would incorporate definitions from the forest practice rules and regulations into the bill's provisions.

The bill would require a regional board, upon receipt of a timber harvesting plan submitted by the Department of Forestry and Fire Protection, to expeditiously review the plan for consistency with any applicable regional water quality control plan, basin plan, approved

*total maximum daily load requirement, or approved waste discharge requirement, and to notify the department of any inconsistencies it finds.*

*(16) The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.*

*This bill would provide that, if the Commission on State Mandates determines that the bill contains costs mandated by the state, reimbursement for those costs shall be made pursuant to the statutory provisions noted above.*

~~Existing law, the California Ocean Resources Management Act of 1990, declares that it is the policy of the State of California to take specified actions related to the preservation, protection, development, and enhancement of the state’s ocean resources and ensure coordinated management of ocean resources with appropriate federal, state, and local agencies:~~

~~This bill would make nonsubstantive changes in these provisions.~~

~~Vote: majority. Appropriation: no. Fiscal committee: no-yes.  
State-mandated local program: no-yes.~~

*The people of the State of California do enact as follows:*

1     SECTION 1. *This act shall be known, and may be cited, as the*  
2 *Ocean Resiliency Act of 2019.*

3     SEC. 2. *The Legislature finds and declares all of the following:*

4     (a) *Coastal and ocean ecosystems are significantly impacted*  
5 *by climate change, which harms the industries and communities*  
6 *that depend on those ecosystems. These effects are expected to*  
7 *worsen without immediate and sustained action.*

8     (b) *Ocean acidification, hypoxia, and other changing ocean*  
9 *conditions in California waters present a significant and direct*  
10 *threat to marine life and ecosystems, fisheries, and farmed shellfish,*  
11 *negatively impact many shell-forming species, including oysters,*  
12 *mussels, abalone, crabs, and the microscopic plankton that form*  
13 *the base of the oceanic food chain, and cause significant changes*  
14 *in behavior and physiology of fish and invertebrates.*

15     (c) *Scientific evidence suggests that well-designed marine*  
16 *protected area networks can contribute to the protection and*  
17 *resilience of marine species as ocean conditions change. California*  
18 *has invested significant resources in establishing a globally*

1 *recognized marine protected area network, which protects marine*  
2 *species and habitats, and safeguards California's coastal resources*  
3 *and economy.*

4 *(d) It is the policy of the state that the protection, enhancement,*  
5 *and management of coastal and ocean resources and anadromous*  
6 *fishery resources are critical to enhance climate resiliency and to*  
7 *improve the state's ability to mitigate and adapt to the impacts of*  
8 *climate change. The protection, enhancement, and management*  
9 *of physical, biological, and chemical function of these resources*  
10 *can result in enhanced ecosystem function and carbon*  
11 *sequestration, which removes carbon from the atmosphere, while*  
12 *reducing ocean acidification and other harmful changes to ocean*  
13 *chemistry.*

14 *(e) The protection of riparian areas that facilitate the growth*  
15 *of anadromous fisheries is critically important for ocean and*  
16 *coastal ecosystem health and resilience. Most of the rivers in the*  
17 *State of California are known to be impaired by sediment pollution,*  
18 *and research and scientific evidence demonstrate that*  
19 *inappropriate timber harvesting practices are responsible for*  
20 *extensive water quality impairment due to ineffective and*  
21 *inconsistent oversight.*

22 *(f) Enhancing the resilience of coastal and ocean resources*  
23 *provides multiple public benefits, including, but not limited to,*  
24 *assisting with adaptation to the impacts of climate change,*  
25 *improving water quality and ecosystem health, conserving public*  
26 *trust fisheries resources, improving coastal economies, and helping*  
27 *communities become more resilient to climate change impacts.*

28 *SEC. 3. Section 1127 is added to the Fish and Game Code, to*  
29 *read:*

30 *1127. (a) The department shall undertake a pilot project to*  
31 *assess the effectiveness of parentage-based tagging, as defined in*  
32 *subdivision (k), in improving the management of central valley*  
33 *Chinook salmon hatcheries and in rebuilding salmon runs and the*  
34 *California salmon fishing industry.*

35 *(b) The pilot project shall do all of the following:*

36 *(1) Include the development and implementation of a genetic*  
37 *testing protocol using parentage-based tagging to provide data*  
38 *required to evaluate and improve hatchery and salmon*  
39 *management.*

1 (2) Compare parentage-based tagging with the current tagging  
2 technologies used by central valley hatcheries.

3 (3) Evaluate the extent to which parentage-based tagging can  
4 increase the flexibility of hatchery managers to release juvenile  
5 salmon at optimal times.

6 (4) Evaluate whether earlier releases of hatchery-spawned  
7 juvenile salmon during high river flows can significantly increase  
8 the survival of juvenile hatchery salmon, both to increase spawning  
9 populations and to benefit the sport and commercial salmon fishing  
10 industry.

11 (5) Include the genetic testing of adult salmon, maintenance of  
12 a database of adult salmon that have been genetically tested, and  
13 analysis of the results of the pilot project.

14 (6) Make data and analysis completed for the pilot project  
15 publicly available in a timely manner on an internet website.

16 (c) The department shall enter into an agreement with the  
17 University of California, or a similar entity with a proven record  
18 of working with parentage-based tagging, to assist in the design,  
19 implementation, and evaluation of the pilot project. This  
20 subdivision shall apply to the University of California only if the  
21 Regents of the University of California, by resolution, make it  
22 applicable to the university.

23 (d) The department shall begin implementation of the pilot  
24 project by July 1, 2021. The pilot project shall conclude no later  
25 than five years after implementation of the pilot project has begun.

26 (e) The department shall select the central valley hatchery or  
27 hatcheries to be included in the pilot project. The department may  
28 modify hatchery facilities and operations as required to implement  
29 the pilot project.

30 (f) The department may collaborate with federal hatchery  
31 managers in designing and implementing the pilot project.

32 (g) The pilot project shall not include the use of parentage-based  
33 tagging to manage salmon fisheries.

34 (h) The department shall form an advisory committee for the  
35 pilot project, including scientists and representatives from salmon  
36 fishing community nongovernmental organizations. The department  
37 and the entity that the department enters into an agreement with  
38 pursuant to subdivision (c) shall consult with the advisory  
39 committee during the design, implementation, and evaluation of  
40 the pilot project.



1 (i) (1) (A) No later than July 1, 2021, the department shall  
2 submit a report to the Legislature summarizing the progress in  
3 implementing the pilot project.

4 (B) No later than one year after the conclusion of the pilot  
5 project, the department shall submit a final report to the  
6 Legislature that summarizes the results of the pilot project,  
7 including potential benefits for juvenile salmon survival and the  
8 salmon fishing industry, and includes recommendations, as  
9 appropriate, to expand the use of parentage-based tagging and to  
10 modify the use of existing tagging technology. Before submitting  
11 the final report to the Legislature, the department shall submit a  
12 copy of the final draft to the advisory committee formed pursuant  
13 to subdivision (h) and provide the advisory committee an  
14 opportunity to review and provide comments on the final draft.  
15 The department may take the advisory committee's comments into  
16 consideration and may revise the final draft based on those  
17 comments before submitting the final report to the Legislature.

18 (2) The reports to be submitted pursuant to paragraph (1) shall  
19 be submitted in compliance with Section 9795 of the Government  
20 Code.

21 (j) It is the intent of the Legislature that the cost of the pilot  
22 project shall be shared equally between the department and the  
23 contractors of the State Water Project.

24 (k) For purposes of this section, "parentage-based tagging"  
25 means a genetic-based fish tagging method that involves DNA  
26 testing of broodstock whereby parent fish used for hatchery  
27 production are genetically sampled at spawning, allowing the  
28 parentage of adult salmon to be determined when they are  
29 harvested in the recreational or commercial fisheries, or after they  
30 return to spawn.

31 (l) This section shall become inoperative on July 1, 2028, and,  
32 as of January 1, 2029, is repealed.

33 SEC. 4. Section 5930 of the Fish and Game Code is amended  
34 to read:

35 5930. The department shall, ~~from time to time~~, at least every  
36 five years, examine all dams in all rivers and streams in this State  
37 state naturally frequented by fish.

38 SEC. 5. Section 5930.5 is added to the Fish and Game Code,  
39 to read:

1 5930.5. (a) On or before January 1, 2022, and every five years  
2 thereafter, the department shall identify dams within the state for  
3 removal that are a priority for removal to protect and conserve  
4 fish and wildlife in accordance with the policy stated in Section  
5 1600.

6 (b) On or before January 1, 2025, the department, in  
7 consultation with the Department of Water Resources, shall  
8 develop a schedule and funding proposal to initiate the removal  
9 of dams identified pursuant to subdivision (a).

10 SEC. 6. Section 6921.5 is added to the Fish and Game Code,  
11 to read:

12 6921.5. No later than January 1, 2022, the department shall,  
13 in consultation with the Advisory Committee on Salmon and  
14 Steelhead Trout and the Commercial Salmon Trollers Advisory  
15 Committee, develop and implement at least one additional  
16 ocean-based offsite hatchery salmon release operation.

17 SEC. 7. Section 6922 of the Fish and Game Code is amended  
18 to read:

19 6922. The program shall include, but is not limited to, all of  
20 the following elements:

21 (a) Identification of streams where the natural production of  
22 salmon and steelhead trout can be increased primarily through the  
23 improvement of stream and streambank conditions without effect  
24 on land ownership, land use practices, or changes in streamflow  
25 operations.

26 (b) Identification of streams where the natural production of  
27 salmon and steelhead trout can be increased only through the  
28 improvement of land use practices or changes in streamflow  
29 operations.

30 (c) Identification of streams where the protection of, and increase  
31 in, salmon and steelhead trout resources require, as a result of  
32 significant prior loss of stream habitat, the construction of artificial  
33 propagation facilities.

34 (d) A program element for evaluating the effectiveness of the  
35 program.

36 (e) Recommendations for an organizational structure, staffing,  
37 budgeting, long-term sources of funding, changes in state statutes  
38 and regulations and federal and local government policy and such  
39 other administrative and legislative actions as the department finds  
40 to be necessary to accomplish the purposes of this chapter.

1 (f) Identification of measures to protect and increase the  
2 production of other anadromous fisheries consistent with policies  
3 set forth in Section 6902.

4 (g) Identification of alternatives to, or mitigation of, manmade  
5 factors which cause the loss of juvenile and adult fish in  
6 California’s stream system.

7 (h) *Development of a policy by January 1, 2022, for the use of*  
8 *releases, including in-river and ocean net pen releases, of salmon*  
9 *produced in state managed and comanaged hatcheries during*  
10 *periods of drought or in other circumstances that result in*  
11 *significantly abnormal levels of mortality during onsite releases.*  
12 *In developing this policy, the department shall coordinate with the*  
13 *Advisory Committee on Salmon and Steelhead Trout and the*  
14 *Commercial Salmon Trollers Advisory Committee and may*  
15 *coordinate with other state agencies, the United States Fish and*  
16 *Wildlife Service, and the National Marine Fisheries Service.*

17 SEC. 8. Chapter 9 (commencing with Section 39950) is added  
18 to Part 2 of Division 26 of the Health and Safety Code, to read:

19

20 CHAPTER 9. VOLUNTARY VESSEL SPEED REDUCTION INCENTIVE  
21 PROGRAM

22

23 39950. (a) *The state board shall develop and implement a*  
24 *voluntary vessel speed reduction incentive program for the Santa*  
25 *Barbara Channel and San Francisco Bay area regions to reduce*  
26 *air pollution, the risk of fatal vessel strikes on whales, and harmful*  
27 *underwater acoustic impacts.*

28 (b) *As part of the program, the state board shall do all of the*  
29 *following:*

30 (1) *Collect data on ship speeds in other regions of the California*  
31 *coast in order to analyze the program for future refinement or*  
32 *expansion, or both.*

33 (2) *Provide financial incentives to program participants during*  
34 *peak ozone and whale seasons.*

35 (3) *Provide financial incentives to program participants based*  
36 *on percent of distance traveled by a participating vessel through*  
37 *a vessel speed reduction zone established by the state board at 10*  
38 *knots or less.*

39 (c) *The state board may impose additional qualifying criteria*  
40 *on individual transit speeds, for example, maximum speed in transit*

1 *or maximum transit average speed, in order to receive financial*  
2 *incentives under the program.*

3 *(d) The state board shall provide financial incentives pursuant*  
4 *to this section upon appropriation by the Legislature of funds made*  
5 *available for this program.*

6 *(e) The state board shall implement the program by July 1,*  
7 *2020, and report to the Legislature regarding the implementation*  
8 *of the program by December 31, 2022. The report required by this*  
9 *subdivision shall be submitted in compliance with Section 9795*  
10 *of the Government Code.*

11 *SEC. 9. Section 4582.71 of the Public Resources Code is*  
12 *amended to read:*

13 4582.71. (a) A timber harvesting plan ~~may~~ *shall* not be  
14 approved ~~if unless~~ the appropriate regional water quality control  
15 board ~~finds, based on substantial evidence,~~ *finds* that the timber  
16 operations proposed in the plan will *not* result in a discharge into  
17 a watercourse that has been classified as impaired due to ~~sediment~~  
18 *sediment*, pursuant to subsection (d) of Section 303 of the Federal  
19 Water Pollution Control Act, that causes or ~~contributes,~~ *contributes*  
20 to a violation of the regional water quality control ~~plan.~~ *plan, basin*  
21 *plan, approved total maximum daily load requirement, or approved*  
22 *waste discharge requirement.*

23 (b) The exercise of a regional water quality control board's  
24 authority pursuant to subdivision (a) may be delegated to the  
25 executive officer of that regional water quality control board as  
26 long as the executive officer's determination is subject to review  
27 by that regional water quality control board upon request of the  
28 person that has submitted the timber harvesting plan or upon  
29 motion of that regional water quality control board.

30 (c) If the appropriate regional water quality control board makes  
31 a finding ~~pursuant to subdivision (a), that a timber harvesting plan~~  
32 *will result in a discharge into a watercourse that has been*  
33 *classified as impaired due to sediment, pursuant to subsection (d)*  
34 *of Section 303 of the Federal Water Pollution Control Act, that*  
35 *causes or contributes to a violation of the regional water quality*  
36 *control plan, basin plan, approved total maximum daily load*  
37 *requirement, or approved waste discharge requirement, the*  
38 executive officer of that regional water quality control board shall,  
39 before the close of the public comment period under Section  
40 4582.7, notify the director in writing of the finding and advise the

1 director that the *timber harvesting plan* ~~may~~ *shall* not be approved.  
2 If the issues that lead to a regional water quality control board's  
3 finding pursuant to subdivision (a) cannot be resolved during the  
4 director's determination period under Section 4582.7 or a longer  
5 period that is mutually agreeable to the director and the person  
6 that submitted the timber harvesting plan, the director shall deny  
7 the timber harvesting plan and return the plan to the person that  
8 submitted it. The director shall advise the person that submitted  
9 the timber harvesting plan of the reasons why the plan is being  
10 returned.

11 *SEC. 10. Section 5814.5 is added to the Public Resources Code,*  
12 *to read:*

13 *5814.5. (a) It is the policy of the state that all state government*  
14 *coastal wetland programs and policies ensure an overall net gain*  
15 *of coastal wetlands.*

16 *(b) The agency shall inventory the state's existing coastal*  
17 *wetlands resources and prepare a study that meets the goals*  
18 *specified in paragraphs (1) to (8), inclusive, of subdivision (a) of*  
19 *Section 5814. On or before January 1, 2023, the agency shall*  
20 *submit the study to the Legislature, pursuant to Section 9795 of*  
21 *the Government Code. The agency, in coordination with the State*  
22 *Coastal Conservancy, the Department of Fish and Wildlife, and*  
23 *the state's wetland and riparian area monitoring program and*  
24 *surface water ambient monitoring program, shall include both of*  
25 *the following in the study:*

26 *(1) A determination of a baseline for coastal wetlands, including*  
27 *intertidal and subtidal eelgrass beds.*

28 *(2) An implementation plan to achieve an annual net gain of*  
29 *ecologically functioning coastal wetlands within the state.*

30 *(c) The agency shall update the study described in subdivision*  
31 *(b), at a minimum, once every five years after January 1, 2023.*

32 *(d) For purposes of this section, "coastal wetlands" means*  
33 *lands within the coastal zone that may be covered periodically or*  
34 *permanently with shallow water and includes saltwater marshes,*  
35 *freshwater marshes, open or closed brackish water marshes,*  
36 *swamps, mudflats, and fens.*

37 *SEC. 11. Section 5818.3 is added to the Public Resources Code,*  
38 *to read:*

39 *5818.3. (a) On or before December 31, 2022, the State Coastal*  
40 *Conservancy shall submit a report to the Legislature, pursuant to*

1 *Section 9795 of the Government Code, on the conservancy's*  
2 *beneficial reuse pilot program for dredged sediment in Redwood*  
3 *City Harbor that received six million dollars (\$6,000,000) pursuant*  
4 *to Item 3760-101-0001 of Section 2.00 of Chapter 29 of the Statutes*  
5 *of 2018. The report shall include how these funds were used, how*  
6 *these funds were leveraged with federal partnerships, the benefits*  
7 *obtained by the pilot program, budget estimates to make the pilot*  
8 *program permanent, and recommendations to the Legislature on*  
9 *how to improve the pilot program.*

10 *(b) Upon appropriation by the Legislature, the State Coastal*  
11 *Conservancy, in partnership with the United States Army Corps*  
12 *of Engineers, shall develop a beneficial reuse program to place*  
13 *and reuse dredged sediment for coastal wetland restoration*  
14 *projects.*

15 *SEC. 12. Section 10001 of the Public Resources Code is*  
16 *amended to read:*

17 *10001. The Director of Fish and Game Wildlife shall establish*  
18 *a California Endangered Rivers List. The director shall identify*  
19 *and list include in the California Endangered Rivers List those*  
20 *streams and watercourses throughout the state for which minimum*  
21 *flow levels need to be established in order to assure the continued*  
22 *viability of stream-related fish and wildlife resources. The director*  
23 *shall include in this identification list the California Endangered*  
24 *Rivers List those streams and watercourses the director determines*  
25 *are significant, along with a statement of findings as to why that*  
26 *stream or watercourse was selected. The identification list*  
27 *California Endangered Rivers List required by this section shall*  
28 *rank the streams and watercourses beginning with those where the*  
29 *need for establishing minimum flow levels is the greatest. The*  
30 *director, at his discretion, director may revise the list California*  
31 *Endangered Rivers List and may add or delete streams or*  
32 *watercourses as circumstances require. The initial identification*  
33 *list required by this section shall be completed no later than January*  
34 *1, 1984. The director shall annually post the California*  
35 *Endangered Rivers List on the Department of Fish and Wildlife's*  
36 *internet website.*

37 *SEC. 13. Section 10004 of the Public Resources Code is*  
38 *amended to read:*

39 *10004. The Department of Fish and Game Wildlife shall initiate*  
40 *studies to develop proposed streamflow requirements for those*

1 streams or watercourses in each fiscal year for which funds are  
2 appropriated *from revenues from fees imposed pursuant to Section*  
3 *10005* and shall complete studies on each stream or watercourse  
4 within three years. ~~It is the intent of the Legislature that the~~ *The*  
5 department *shall* develop a program that will initiate studies on at  
6 least ~~10~~ *three* streams or watercourses in each fiscal year.

7 *SEC. 14. Section 10005 of the Public Resources Code is*  
8 *amended to read:*

9 10005. (a) The Department of Fish and ~~Game~~ *Wildlife* shall  
10 impose and collect a filing fee of eight hundred fifty dollars (\$850)  
11 to defray the costs of identifying streams and providing studies  
12 pursuant to ~~Division 10 (commencing with Section 10000) of the~~  
13 ~~Public Resources Code.~~ *this division.*

14 (b) The filing fee shall be proportional to the cost incurred by  
15 the Department of Fish and ~~Game~~ *Wildlife* and shall be annually  
16 reviewed and adjustments recommended to the Legislature in an  
17 amount necessary to pay the costs of the Department of Fish and  
18 ~~Game~~ *Wildlife* as specified in subdivision (a).

19 (c) Any user of water, including a person or entity holding  
20 riparian or appropriative rights, shall pay the filing fee to the  
21 Department of Fish and ~~Game~~ *Wildlife* upon application to the  
22 State Water Resources Control Board for any permit transfer  
23 extension, or change of point of diversion, place of use, or purpose  
24 of use, if there is a diversion of water from any waterway where  
25 fish reside. No permit, or other entitlement identified in this section  
26 *section*, is effective until the filing fee is paid. The State Water  
27 Resources Control Board shall, every six months, forward all fees  
28 collected to the ~~department~~ *Departments of Fish and Wildlife* and  
29 provide the location for each entitlement for which a filing fee has  
30 been collected.

31 (d) The fee imposed by this section shall not be imposed on the  
32 following applications filed with the State Water Resources Control  
33 Board:

34 (1) Small domestic use registrations and livestock stockpond  
35 certificates submitted pursuant to Article 2.7 (commencing with  
36 Section 1228) of Chapter ~~2~~ *1* of Part 2 of Division 2 of the Water  
37 Code.

38 (2) The first application for an extension of time for an  
39 individual permit if no change in point of diversion, place of use,  
40 or purpose of use is included in the application.

1 (3) Water applications—~~which~~, *that*, in the opinion of the  
2 Department of Fish and ~~Game~~, *Wildlife*, are filed for administrative  
3 and technical clarification purposes only.

4 (4) Water applications or petitions, the primary purpose of which  
5 is to benefit fish and wildlife resources. The determination of the  
6 benefit to fish and wildlife shall be made, in writing, by the  
7 Department of Fish and ~~Game~~ *Wildlife* in order to be exempt from  
8 the fee.

9 (e) If an applicant or petitioner files multiple applications or  
10 petitions for the same appropriation, transfer, extension, or change,  
11 and the State Water Resources Control Board reviews and  
12 considers the applications or petitions together, only one filing fee  
13 is required for those applications or petitions.

14 (f) *If the Department of Fish and Wildlife fails to initiate studies*  
15 *for at least three streams or watercourses in a fiscal year in*  
16 *accordance with Section 10004, the Department of Fish and*  
17 *Wildlife shall return any filing fees received pursuant to subdivision*  
18 *(c) for that fiscal year to the State Water Resources Control Board.*  
19 *The State Water Resources Control Board shall deposit any funds*  
20 *received pursuant to this subdivision in the Water Right Fund*  
21 *and may use those funds, upon appropriation by the Legislature,*  
22 *for the purposes specified in Section 1257.5 of the Water Code.*

23 SEC. 15. Section 35626 is added to the Public Resources Code,  
24 to read:

25 35626. (a) *On or before December 1, 2022, the council shall*  
26 *submit a report to the Legislature, pursuant to Section 9795 of the*  
27 *Government Code, and relevant state entities on the state's*  
28 *progress toward meeting the following goals:*

29 (1) *Using low-trophic mariculture, such as shellfish, kelp, and*  
30 *seaweed production, to mitigate and adapt to climate change*  
31 *impacts, such as ocean acidification and warming and sea level*  
32 *rise.*

33 (2) *Accelerating local restoration plans to restore 8,000 acres*  
34 *of San Francisco Bay shellfish, native oyster reefs, and kelp forests*  
35 *to sequester carbon, combat ocean acidification, and protect*  
36 *shorelines in the face of sea level rise.*

37 (b) *The report described in subdivision (a) shall include, at a*  
38 *minimum, all of the following:*

39 (1) *A report on the state's progress toward meeting the goals*  
40 *described in paragraphs (1) and (2) of subdivision (a) and the*



1 main barriers to reaching these goals both statewide and within  
2 the state’s regions.

3 (2) Consideration of the beneficial use of low-trophic  
4 mariculture systems to help address ocean acidification, habitat  
5 loss, nitrification, and pollution; movement of marine sediments,  
6 sea level rise, and storm preparedness; and food security and  
7 access to farming opportunities.

8 (3) A discussion of potential improvements to the current  
9 leasing, permitting, and oversight processes in connection with  
10 the low-trophic mariculture industry, including, but not limited  
11 to, all of the following:

12 (A) The potential of pilot programs to test such potential  
13 improvements.

14 (B) Increased funding to relevant agencies and the feasibility  
15 of transitioning to a fee-for-service model in different aspects of  
16 the low-trophic mariculture industry.

17 (C) The increased use of experimental or proof-of-concept  
18 permits.

19 (D) Improved federal partnerships.

20 (4) Workforce development and access to capital among  
21 potential mariculturists.

22 (5) Ultimate potential size and scope of the low-trophic  
23 mariculture industry, both statewide and within the state’s regions,  
24 and future goal setting.

25 SEC. 16. Section 35633 is added to the Public Resources Code,  
26 to read:

27 35633. On or before December 31, 2020, the council shall  
28 establish a representative statewide advisory group that includes  
29 the diverse interests that will affect and be affected by ocean  
30 acidification and technical and policy experts, including fishing,  
31 aquaculture, agriculture, Indian tribes, municipalities, counties,  
32 water management, conservation, and wastewater treatment  
33 experts, representatives of relevant state and, if possible, federal  
34 agencies, and scientists from relevant disciplines. The statewide  
35 advisory group shall advise the state on its policy, management,  
36 science, and communications priorities and strategies to address  
37 ocean acidification and hypoxia.

38 SEC. 17. Section 35634 is added to the Public Resources Code,  
39 to read:

1 35634. *The Secretary of the Natural Resources Agency shall*  
2 *direct the council to, on or before December 31, 2021, conduct a*  
3 *statewide vulnerability assessment to identify the risks ocean*  
4 *acidification poses to the state’s biological resources, communities,*  
5 *and economies within the context of other ongoing environmental*  
6 *changes and hazards, and to identify priorities and options for*  
7 *action to improve the state’s adaptive capacity to address ocean*  
8 *acidification and hypoxia.*

9 *SEC. 18. Chapter 5 (commencing with Section 35655) is added*  
10 *to Division 26.5 of the Public Resources Code, to read:*

11  
12 *CHAPTER 5. NATURAL RESOURCES AGENCY BLUE CARBON*  
13 *STRATEGY*  
14

15 35655. *This chapter shall be known, and may be cited, as the*  
16 *Natural Resources Agency Blue Carbon Strategy.*

17 35656. *For purposes of this chapter, “secretary” means the*  
18 *Secretary of the Natural Resources Agency.*

19 35657. (a) *The secretary shall implement a comprehensive,*  
20 *coordinated, and proactive program for ocean and coastal habitats*  
21 *to enhance the state’s ability to adapt to the unavoidable impacts*  
22 *of climate change, with a special focus on vulnerable communities*  
23 *ecological habitats, and industries that are disproportionately*  
24 *affected by climate change.*

25 (b) *In implementing the program described in subdivision (a),*  
26 *the secretary shall emphasize a blue carbon strategy to improve*  
27 *ocean and coastal habitats and ecosystems’ abilities to sequester*  
28 *carbon, especially by ensuring a healthy biomass of ocean*  
29 *vegetation and associated food webs. The strategy shall include,*  
30 *at a minimum, policies that identify and reduce ocean acidification*  
31 *hot spots, improve water quality in the state’s marine protected*  
32 *areas, improve the ecological health of coastal ecosystems, remove*  
33 *barriers to improve river flows, and protect and restore ocean and*  
34 *coastal vegetated habitats that are important for carbon storage,*  
35 *including coastal marshes, seagrass meadows, and kelp forests.*

36 (c) *To maximize impact and coordination, the secretary shall*  
37 *coordinate with, among other entities, the State Air Resources*  
38 *Board, the California Environmental Protection Agency, the*  
39 *council, the Office of Planning and Research, the State Water*

1 *Resources Control Board, and appropriate state conservancies to*  
2 *implement this section.*

3 35658. *The secretary shall use the best available science,*  
4 *including the following plans or reports, to implement this chapter:*

5 (a) *The plan adopted pursuant to Section 71153.*

6 (b) *The California Ocean Acidification Action Plan developed*  
7 *pursuant to subdivision (b) of Section 35631.*

8 (c) *The California's Fourth Climate Change Assessment report.*

9 (d) *The Ready California Fisheries for Climate Change*  
10 *report.*

11 35659. *To maximize the impact, coordination, and efficient*  
12 *implementation of this chapter, the secretary shall do all of the*  
13 *following:*

14 (a) *Coordinate with the Governor's cabinet members to*  
15 *implement this chapter.*

16 (b) *Communicate and enter into agreements with other states*  
17 *and international coalitions to further the policies of this chapter.*

18 (c) *Upon appropriation by the Legislature of funds under*  
19 *Chapter 4.1 (commencing with Section 39710) of Part 2 of Division*  
20 *26 of the Health and Safety Code, direct the State Coastal*  
21 *Conservancy to work with other state conservancies and the State*  
22 *Water Resources Control Board to develop and implement a*  
23 *climate resiliency grant program to assist with the implementation*  
24 *of this chapter.*

25 (d) *Use information and resources made available pursuant to*  
26 *Section 71360.*

27 (e) *On or before March 31, 2021, and on or before March 31*  
28 *of every year thereafter, present progress on implementation of*  
29 *this chapter to appropriate policy and budget committees of the*  
30 *Legislature.*

31 (f) *Support efforts of, and coordinate with, the Department of*  
32 *Fish and Wildlife, the Department of Water Resources, and the*  
33 *State Water Resources Control Board to support healthy riparian*  
34 *corridors that improve water quality, water flow, and enhanced*  
35 *species protections.*

36 (g) *Work with the council to implement the California Ocean*  
37 *Acidification Action Plan developed pursuant to subdivision (b)*  
38 *of Section 35631.*

1 (h) Identify and suggest regulatory and statutory changes  
2 required to minimize existing policies that reduce the ability for  
3 the coast and ocean ecosystems to adapt to climate change.

4 35660. The provisions of this chapter shall be implemented  
5 only to the extent that implementation of the provisions of this  
6 chapter is consistent with federal law.

7 SEC. 19. Section 71205.3 of the Public Resources Code is  
8 amended to read:

9 71205.3. (a) ~~The commission~~ board shall adopt regulations  
10 that do all of the following:

11 (1) Except as provided in Section 71204.7, require an owner or  
12 operator of a vessel carrying, or capable of carrying, ballast water  
13 that operates in the waters of the state to implement the interim  
14 performance standards for the discharge of ballast water  
15 recommended in accordance with Table x-1 of the California State  
16 Lands Commission Report on Performance Standards for Ballast  
17 Water Discharges in California Waters, as approved by the  
18 commission on January 26, 2006.

19 (2) Except as provided in Section 71204.7, require an owner or  
20 operator of a vessel carrying, or capable of carrying, ballast water  
21 that operates in the waters of the state to comply with the interim  
22 performance standards by the applicable following date.

23 (A) Upon first arrival at a California port for new vessels  
24 constructed on or after January 1, ~~2020~~ 2021.

25 (B) As of the first scheduled drydocking on or after January 1,  
26 ~~2020~~ 2021, for all other vessels.

27 (3) Notwithstanding Section 71204.7, require an owner or  
28 operator of a vessel carrying, or capable of carrying, ballast water  
29 that operates in the waters of the state to meet the final performance  
30 standard for the discharge of ballast water of zero detectable living  
31 organisms for all organism size classes by January 1, 2030.

32 (b) (1) Not less than ~~8 months prior to~~ before January 1, 2020,  
33 and January 1, 2030, the commission, in consultation with the  
34 board, the United States Coast Guard, and the advisory panel  
35 described in subdivision (b) of Section 71204.9, shall prepare, or  
36 update, and submit to the Legislature a review of the efficacy,  
37 availability, and environmental impacts, including the effect on  
38 water quality, of currently available technologies for ballast water  
39 treatment systems. If technologies to meet the performance  
40 standards are determined in a review to be unavailable, the

1 commission shall include in that review an assessment of why the  
2 technologies are unavailable.

3 (2) (A) The requirement for submitting a report imposed under  
4 this subdivision is inoperative on January 1, 2024, for the interim  
5 performance standards, and January 1, 2034, for the final  
6 performance standard, pursuant to Section 10231.5 of the  
7 Government Code.

8 (B) A report to be submitted pursuant to this subdivision shall  
9 be submitted in compliance with Section 9795 of the Government  
10 Code.

11 *SEC. 20. Section 11916 is added to the Water Code, to read:*

12 *11916. (a) The Department of Water Resources shall*  
13 *immediately reinitiate the effort, as described in the proposed 2006*  
14 *Federal Energy Regulatory Commission settlement for Oroville*  
15 *Dam and related facilities, to select a final alternative and a final*  
16 *project design for the retrofit of Thermalito Afterbay. The purpose*  
17 *of this retrofit is to improve downstream temperature conditions*  
18 *on the Feather River for salmon and other species. This subdivision*  
19 *does not modify either of the following:*

20 *(1) The requirement for authorization from the Federal Energy*  
21 *Regulatory Commission for the selected Thermalito Afterbay*  
22 *retrofit alternative before construction may begin.*

23 *(2) The financing proposal for the Thermalito Afterbay retrofit,*  
24 *as provided in the proposed 2006 Federal Energy Regulatory*  
25 *Commission settlement.*

26 *(b) On or before March 31, 2020, the Department of Water*  
27 *Resources shall appoint and convene an advisory committee to*  
28 *assist in the selection of a preferred alternative and a final project*  
29 *design for the Thermalito Afterbay retrofit. To the extent*  
30 *practicable, this advisory committee shall be consistent with the*  
31 *Ecological Committee included in the proposed 2006 Federal*  
32 *Energy Regulatory Commission settlement, except that the*  
33 *Department of Water Resources may appoint additional members*  
34 *to the advisory committee that are not included in the Ecological*  
35 *Committee.*

36 *(c) The Department of Water Resources shall annually submit*  
37 *a report to the Legislature in compliance with Section 9795 of the*  
38 *Government Code regarding progress toward the selection of a*  
39 *preferred alternative and a final project design for the Thermalito*  
40 *Afterbay retrofit. This requirement shall become inoperative upon*

1 *the approval of a renewed Federal Energy Regulatory Commission*  
2 *license for Oroville Dam and related facilities.*

3 *SEC. 21. Section 13170.3 of the Water Code is amended to*  
4 *read:*

5 13170.3. (a) On or before January 1, 2013, the state board  
6 shall either amend the California Ocean Plan, or adopt separate  
7 standards, to address water quality objectives and effluent  
8 limitations that are specifically appropriate to brackish groundwater  
9 treatment system facilities that produce municipal water supplies  
10 for local use.

11 (b) On or before December 31, 2020, the state board shall  
12 rescind Resolution No. 2012-0012.

13 (c) Waste shall not be discharged into areas of special biological  
14 significance, as defined in subdivision (f) of Section 36700 of the  
15 Public Resources Code. Waste discharges shall be located a  
16 sufficient distance from areas of special biological significance  
17 to ensure maintenance of natural water quality conditions in those  
18 areas.

19 (d) Notwithstanding subdivision (c), a regional board may  
20 approve waste discharge requirements or water quality  
21 certifications for limited-term activities in areas of special  
22 biological significance in accordance with both of the following  
23 conditions:

24 (1) Water quality degradation shall be limited to the shortest  
25 possible time.

26 (2) The waste discharge activities shall not permanently degrade  
27 water quality.

28 (e) On or before December 31, 2022, the state board shall  
29 provide guidance to the regional boards on how to designate state  
30 water quality protection areas, as defined in subdivision (f) of  
31 Section 36700 of the Public Resources Code. On or before  
32 December 31, 2023, and each year thereafter, a regional board  
33 with a marine protected area, as defined in subdivision (c) of  
34 Section 2852 of the Fish and Game Code, within its jurisdiction  
35 that does not have an associated state water quality protection  
36 area shall designate one state water quality protection area  
37 annually until all marine protected areas in the jurisdiction have  
38 an associated state water quality protection area.

39 *SEC. 22. Section 13170.4 is added to the Water Code, to read:*

1 13170.4. (a) On or before December 31, 2022, the state board  
2 shall amend the California Ocean Plan and the California  
3 Enclosed Bays and Estuaries Plan to include water quality  
4 objectives and effluent limitations that specifically address ocean  
5 acidification and hypoxia.

6 (b) In conjunction with the development of the water quality  
7 objectives and effluent limitations pursuant to subdivision (a), the  
8 state board shall develop implementation provisions for complying  
9 with those objectives and limitations. The implementation  
10 provisions shall include, but are not limited to, requiring all  
11 publicly operated wastewater treatment facilities that discharge  
12 to waters subject to the California Ocean Plan or the California  
13 Enclosed Bays and Estuaries Plan to adopt, incorporate, or  
14 improve denitrification protocols to meet the water quality  
15 objectives and effluent limitations adopted pursuant to subdivision  
16 (a).

17 SEC. 23. Section 13247.5 is added to the Water Code, to read:

18 13247.5. (a) Upon receipt of a timber harvesting plan  
19 submitted by the Department of Forestry and Fire Protection  
20 pursuant to subdivision (a) of Section 4582.6 of the Public  
21 Resources Code, a regional board shall expeditiously review the  
22 plan for consistency with any applicable regional water quality  
23 control plan, basin plan, approved total maximum daily load  
24 requirement, or approved waste discharge requirement.

25 (b) If, while reviewing a timber harvesting plan pursuant to  
26 subdivision (a), a regional board makes a finding of inconsistency  
27 with a regional water quality control plan, basin plan, approved  
28 total maximum daily load requirement, or approved waste  
29 discharge requirement, the regional board shall notify the  
30 Department of Forestry and Fire Protection in accordance with  
31 subdivision (c) of Section 4582.71 of the Public Resources Code.

32 (c) If a regional board transmits a finding pursuant to  
33 subdivision (b), the regional board shall include a description of  
34 the specific components of the timber harvesting plan that are  
35 inconsistent with the applicable regional water quality control  
36 plan, basin plan, approved total maximum daily load requirement,  
37 or approved waste discharge requirement and a recommendation  
38 for how the plan could be revised to achieve consistency.

39 SEC. 24. Article 4.5 (commencing with Section 13278) is added  
40 to Chapter 4 of Division 7 of the Water Code, to read:

1  
2 *Article 4.5. Dischargers of Sediment Into Class I, II, and III*  
3 *Watercourses*  
4

5 *13278. A person who discharges sediment into a Class I*  
6 *watercourse pursuant to a timber harvesting plan is subject to all*  
7 *of the following requirements within the watercourse and lake*  
8 *protection zone (WLPZ) for the Class I watercourse:*

9 *(a) The minimum WLPZ width shall be 150 feet from the*  
10 *watercourse transition line or lake transition line. At least 85*  
11 *percent overstory canopy shall be retained within 100 feet of the*  
12 *watercourse transition line or lake transition line, with a 30-foot*  
13 *no-cut buffer existing in the first 30 feet measured from the*  
14 *watercourse transition line or lake transition line, and at least 65*  
15 *percent overstory canopy within the remainder of the WLPZ,*  
16 *composed of a minimum of 30 percent conifers. The overstory*  
17 *canopy shall be comprised of at least 25 percent overstory conifer*  
18 *canopy postharvest.*

19 *(b) Recruitment of large woody debris to a Class I watercourse*  
20 *shall be ensured by retaining the 10 largest-diameter conifers, live*  
21 *or dead, on each side of the watercourse, per 330 feet of stream*  
22 *channel length, within 50 feet of the watercourse transition line*  
23 *or lake transition line.*

24 *(c) All new crossings across a Class I watercourse shall either*  
25 *span the Class I watercourse or use an arched culvert with a*  
26 *natural bottom.*

27 *(d) Where an inner gorge extends beyond a WLPZ for a Class*  
28 *I watercourse and slopes are greater than 55 percent, a special*  
29 *management zone shall be established beyond the WLPZ where*  
30 *the use of even-aged regeneration methods is prohibited. This zone*  
31 *shall extend upslope to the first major break in slope where the*  
32 *slope is less than 55 percent for a distance of 100 feet or more, or*  
33 *300 feet as measured from the watercourse transition line or lake*  
34 *transition line, whichever is less. Within this zone, the methods*  
35 *and retention standards described in Sections 913.2, 933.2, and*  
36 *953.2 of Title 14 of the California Code of Regulations shall apply.*

37 *13278.1. A person who discharges sediment into a Class II*  
38 *watercourse pursuant to a timber harvesting plan is subject to all*  
39 *of the following requirements within the watercourse and lake*  
40 *protection zone (WLPZ) for the Class II watercourse:*



1 (a) At least 85 percent overstory canopy shall be retained within  
2 50 feet of the watercourse transition line or lake transition line.  
3 In an additional outer zone, overstory canopy closure shall be at  
4 least 65 percent. The overstory canopy in each zone shall be  
5 comprised of at least 25 percent overstory conifer canopy  
6 postharvest. The outer zone shall be 25 feet in width where the  
7 side slope class is less than 30 percent. The outer zone shall be 50  
8 feet in width where the side slope class is 30 to 50 percent,  
9 inclusive. The outer zone shall be 75 feet in width where the side  
10 slope class is greater than 50 percent.

11 (b) Recruitment of large woody debris to Class II watercourses  
12 shall be ensured by retaining the five largest-diameter conifers,  
13 live or dead, on each side of the watercourse per 330 feet of stream  
14 channel length, within 50 feet of the watercourse transition line  
15 or lake transition line.

16 (c) All permanent Class II watercourse crossings that are  
17 constructed or reconstructed shall be placed in the bottom of the  
18 natural channel and capable of capturing low flows.

19 (d) Where an inner gorge extends beyond a WLPZ for a Class  
20 II watercourse and slopes are greater than 55 percent, a special  
21 management zone shall be established beyond the WLPZ where  
22 the use of even-aged regeneration methods is prohibited. This zone  
23 shall extend upslope to the first major break in slope where the  
24 slope is less than 55 percent for a distance of 100 feet or more, or  
25 200 feet as measured from the watercourse transition line or lake  
26 transition line, whichever is less. Within this zone, the methods  
27 and retention standards described in Sections 913.2, 933.2, and  
28 953.2 of Title 14 of the California Code of Regulations shall apply.

29 13278.2. A person who discharges sediment into a Class III  
30 watercourse pursuant to a timber harvesting plan is subject to all  
31 of the following requirements within the watercourse and lake  
32 protection zone (WLPZ) for the Class III watercourse:

33 (a) At least a 25-foot protection zone shall be maintained on  
34 each side of the watercourse for slopes less than 30 percent and  
35 at least a 50-foot protection zone on each side of the watercourse  
36 shall be maintained for slopes equal to or greater than 30 percent.  
37 All trees situated within the channel zone and trees that have boles  
38 that overlap the edge of the channel zone shall be retained. Within  
39 the protection zones, at least 50 percent of the understory  
40 vegetation shall be left postharvest in an evenly distributed

1 condition. All regeneration conifers, snags, large woody debris,  
2 and hardwoods shall be retained within the Class III protection  
3 zones except when removal is necessary for yarding and crossings.

4 (b) Commercial timber operations may yard through a Class  
5 III riparian management zone. Burning for purposes of site  
6 preparation shall not be initiated in the protection zones and new  
7 construction of tractor roads shall not be commenced.  
8 Ground-based equipment shall not be permitted on slopes greater  
9 than 50 percent, and ground-based operations shall be limited to  
10 existing stable tractor roads that show no visible evidence of  
11 sediment deposition being transported into the adjacent  
12 watercourse or to the use of feller bunchers or shovel yarding.

13 (c) All permanent Class III watercourse crossings that are  
14 constructed or reconstructed shall be placed in the bottom of the  
15 natural channel and capable of capturing low flows.

16 13278.3. A person who discharges sediment into a Class I, II,  
17 or III watercourse pursuant to a timber harvesting plan is subject  
18 to all of the following requirements within the watercourse and  
19 lake protection zone (WLPZ) for the Class I, II, or III watercourse:

20 (a) All permanent Class I, II, or III watercourse crossings that  
21 are constructed or reconstructed shall accommodate the estimated  
22 100-year flood flow, including debris and sediment loads.

23 (b) Use of any unpaved road segments within or appurtenant  
24 to a timber harvesting plan area shall cease when precipitation is  
25 sufficient to generate overland flow off the road surface or when  
26 use of any portion of the road results in rutting of the road surface.  
27 In either of these instances, road use shall not resume until the  
28 road is dry. Access for road inspection and access to correct  
29 emergency road-related problems or to respond to human  
30 emergency situations shall be allowed at any time by a vehicle  
31 rated one ton or less.

32 (c) While participating in a timber harvesting plan preharvest  
33 inspections review team, a person subject to this section shall place  
34 a high priority on the appropriate classification of all Class I, II,  
35 and III watercourses and identification and remediation of  
36 road-related sources of sediment likely to recruit into watercourses.

37 (d) Areas proposed for timber operations shall be assessed for  
38 erosion potential using all available tools and methods, including,  
39 but not limited to, soils and features maps, ocular assessment,  
40 Light Detection and Ranging (LIDAR), aerial photos, and satellite

1 imagery. Road construction and reconstruction shall not be  
2 undertaken on erosive and unstable areas. Timber harvesting  
3 activity shall not be undertaken on ground that shows evidence of  
4 high erosion potential, including, but not limited to, slide areas,  
5 areas shown to be slipping, and areas of disrupted ground.

6 (e) Historic erosion sites and sites with a high potential for  
7 erosion shall be stabilized, if feasible.

8 13278.4. A California regional water quality control board  
9 shall incorporate the requirements of this article into any  
10 applicable waste discharge requirements adopted pursuant to  
11 Section 13263 to manage controllable sources of sediment, achieve  
12 water quality objectives, and protect beneficial uses.

13 13278.5. Any requirements in the forest practice rules adopted  
14 by the State Board of Forestry and Fire Protection pursuant to  
15 Section 4551 of the Public Resources Code that contain more  
16 stringent sediment control standards than those established in this  
17 article shall prevail.

18 13278.6. For purposes of this article, the following definitions  
19 shall apply:

20 (a) "Canopy" has the same meaning as defined in Section 895.1  
21 of Title 14 of the California Code of Regulations.

22 (b) "Channel zone" has the same meaning as defined in Section  
23 895.1 of Title 14 of the California Code of Regulations.

24 (c) "Class I watercourse" has the same meaning as described  
25 in Section 916.6 of Title 14 of the California Code of Regulations.

26 (d) "Class II watercourse" has the same meaning as described  
27 in Section 916.6 of Title 14 of the California Code of Regulations.

28 (e) "Class III watercourse" has the same meaning as described  
29 in Section 916.6 of Title 14 of the California Code of Regulations.

30 (f) "Dry" means a road surface that is well drained and is not  
31 rutting, discharging fine sediments, or causing a visible turbidity  
32 increase in a ditch or on a road surface that drains into a Class  
33 I, II, or III watercourse.

34 (g) "Inner gorge" has the same meaning as defined in Section  
35 895.1 of Title 14 of the California Code of Regulations.

36 (h) "Overstory" has the same meaning as defined in Section  
37 895.1 of Title 14 of the California Code of Regulations.

38 (i) "Permanent watercourse crossing" has the same meaning  
39 as defined in Section 895.1 of Title 14 of the California Code of  
40 Regulations.

1 (j) "Person" has the same meaning as defined in Section 4525  
2 of the Public Resources Code.

3 (k) "Regeneration method" has the same meaning as defined  
4 in Section 895.1 of Title 14 of the California Code of Regulations.

5 (l) "Riparian" has the same meaning as defined in Section 895.1  
6 of Title 14 of the California Code of Regulations.

7 (m) "Site preparation" has the same meaning as defined in  
8 Section 895.1 of Title 14 of the California Code of Regulations.

9 (n) "Slide area" has the same meaning as defined in Section  
10 895.1 of Title 14 of the California Code of Regulations.

11 (o) "Snag" has the same meaning as defined in Section 895.1  
12 of Title 14 of the California Code of Regulations.

13 (p) "Timber harvesting plan" means the plan filed pursuant to  
14 Section 4582 of the Public Resources Code.

15 (q) "Timber operations" has the same meaning as defined in  
16 Section 4527 of the Public Resources Code.

17 (r) "Understory" has the same meaning as defined in Section  
18 895.1 of Title 14 of the California Code of Regulations.

19 (s) "Watercourse" has the same meaning as defined in Section  
20 895.1 of Title 14 of the California Code of Regulations.

21 (t) "Watercourse and Lake Protection Zone (WLPZ)" has the  
22 same meaning as defined in Section 895.1 of Title 14 of the  
23 California Code of Regulations.

24 (u) "Watercourse transition line" has the same meaning as  
25 defined in Section 895.1 of Title 14 of the California Code of  
26 Regulations.

27 (v) "Woody debris" has the same meaning as defined in Section  
28 895.1 of Title 14 of the California Code of Regulations.

29 (w) "Yarding" has the same meaning as defined in Section  
30 895.1 of Title 14 of the California Code of Regulations.

31 SEC. 25. If the Commission on State Mandates determines that  
32 this act contains costs mandated by the state, reimbursement to  
33 local agencies and school districts for those costs shall be made  
34 pursuant to Part 7 (commencing with Section 17500) of Division  
35 4 of Title 2 of the Government Code.

36 SECTION 1. ~~Section 36002 of the Public Resources Code is~~  
37 ~~amended to read:~~

38 ~~36002. The Legislature further finds and declares all of the~~  
39 ~~following:~~

1     ~~(a) It is the policy of the State of California to do all of the~~  
2     ~~following:~~  
3     ~~(1) Assess the long-term values and benefits of the conservation~~  
4     ~~and development of ocean resources and uses with the objective~~  
5     ~~of restoring or maintaining the health of the ocean ecosystem and~~  
6     ~~ensuring the proper management of renewable and nonrenewable~~  
7     ~~resources.~~  
8     ~~(2) Encourage ocean resources development that is~~  
9     ~~environmentally sound, sustainable, and economically beneficial.~~  
10    ~~(3) Provide for efficient and coordinated resources management~~  
11    ~~in state and federal waters.~~  
12    ~~(4) Assert the interests of this state in cooperation with federal~~  
13    ~~agencies in the sound management of ocean resources.~~  
14    ~~(5) Promote research, study, and understanding of ocean~~  
15    ~~processes and resources to acquire the scientific information~~  
16    ~~necessary to understand the ocean ecosystem and life-support~~  
17    ~~systems and the relationships of ocean development activities and~~  
18    ~~associated impacts on ocean and coastal resources of the state and~~  
19    ~~adjacent zones of federal jurisdiction.~~  
20    ~~(6) Encourage research and development of innovative,~~  
21    ~~environmentally compatible marine technologies for protection,~~  
22    ~~exploration, and utilization of ocean resources.~~  
23    ~~(b) It is further the policy of the State of California to develop~~  
24    ~~and maintain an ocean resources planning and management~~  
25    ~~program to promote and ensure coordinated management of federal~~  
26    ~~resources and uses with those in state waters, and with adjacent~~  
27    ~~states, to ensure effective participation in federal planning and~~  
28    ~~management of ocean resources and uses that may affect this state,~~  
29    ~~and to coordinate state agency management of ocean resources~~  
30    ~~with local government management of coastal zone uses and~~  
31    ~~resources above the mean high tide line.~~

LEGISLATIVE COMMITTEE  
MEETING 03/27/2019

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AMENDED IN ASSEMBLY MARCH 19, 2019

CALIFORNIA LEGISLATURE—2019–20 REGULAR SESSION

**ASSEMBLY BILL****No. 661****Introduced by Assembly Member McCarty**

February 15, 2019

An act to amend Section 40723 add Chapter 6.5 (commencing with Section 42730) to Part 4 of Division 26 of the Health and Safety Code, relating to nonvehicular air pollution.

## LEGISLATIVE COUNSEL'S DIGEST

AB 661, as amended, McCarty. ~~Best available control technology; lowest achievable emission rate requirements. Wildfire Smoke Air Pollution Emergency Plan.~~

Existing law generally designates air pollution control and air quality management districts with the primary responsibility for the control of air pollution from all sources other than vehicular sources. Existing law requires an air district to review whether the best available control technology or lowest achievable emission rate requirements have been achieved and whether the requirements should be required for the source category or source if the owner or operator demonstrates that specified conditions are true. Existing law requires an air district after conducting that review to revise the best available control technology or lowest achievable emission rate requirements to a level achievable by that source if the air district determines that those requirements are not achievable by a source.

This bill would make technical, nonsubstantive changes to that provision.

*This bill would require air districts to prepare a wildfire smoke air pollution emergency plan as an informational source for local agencies*

and the public during a wildfire smoke air pollution emergency, as specified. The bill would authorize air districts to conduct public education, marketing, demonstration, monitoring, research, and evaluation programs or projects with respect to wildfire smoke impact control measures. By requiring air districts to develop a wildfire smoke air pollution emergency plan, the bill would impose a state-mandated local program.

The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that, if the Commission on State Mandates determines that the bill contains costs mandated by the state, reimbursement for those costs shall be made pursuant to the statutory provisions noted above.

Vote: majority. Appropriation: no. Fiscal committee: ~~no~~-yes. State-mandated local program: ~~no~~-yes.

The people of the State of California do enact as follows:

1 SECTION 1. Chapter 6.5 (commencing with Section 42730)  
2 is added to Part 4 of Division 26 of the Health and Safety Code  
3 to read:

4  
5 CHAPTER 6.5. WILDFIRE SMOKE AIR POLLUTION EMERGENCY  
6 PLAN

7  
8 42730. (a) (1) Every district shall prepare a wildfire smoke  
9 air pollution emergency plan as an informational source for local  
10 agencies and the public during a wildfire smoke air pollution  
11 emergency.

12 (2) A district shall develop the wildfire smoke air pollution  
13 emergency plan in coordination with its county health officer and  
14 in consultation with all of the following:

15 (A) Local offices of emergency management or emergency  
16 services.

17 (B) School districts.

18 (C) Regional planning agencies.

19 (b) The plan prepared pursuant to this section shall include,  
20 but need not be limited to, all of the following:

1 (1) Recommendations and guidelines that will be health  
2 protective during wildfire smoke air pollution emergencies that  
3 include all of the following:

4 (A) Air quality thresholds for action on indoor and outdoor air  
5 quality.

6 (B) Strategies, protocols, and guidelines for the monitoring at  
7 schools of air quality using low-cost sensors and other air quality  
8 monitoring information.

9 (C) A short-term air quality metric that is advisory and provides  
10 details of the health effects of the wildfire smoke that occur on a  
11 time scale of less than 24 hours.

12 (D) Tiered recommendations based on the intensity of the  
13 wildfire smoke air pollution emergency using different thresholds.

14 (2) An identification of the local agency statutorily responsible  
15 to take action at different thresholds.

16 (3) Recommendations and best practices for private businesses  
17 and public agencies to reduce or modify certain activities that  
18 contribute to the worsening of air pollution during a wildfire smoke  
19 air pollution emergency.

20 (4) Specific strategies to address vulnerable populations,  
21 including, but not limited to, all of the following:

22 (A) School-age children.

23 (B) The elderly.

24 (C) People experiencing homelessness.

25 (D) People who work outdoors.

26 (E) People with health issues that are exacerbated by a wildfire  
27 smoke air pollution emergency.

28 42732. (a) A district board shall adopt the plan prepared  
29 pursuant to Section 42730 to be eligible for any available funding  
30 to implement the plan.

31 (b) A district may work with local agencies to implement  
32 recommendations in the plan prepared pursuant to Section 42730.

33 42734. A district may conduct public education, marketing,  
34 demonstration, monitoring, research, and evaluation programs  
35 or projects with respect to wildfire smoke impact control measures.

36 SEC. 2. If the Commission on State Mandates determines that  
37 this act contains costs mandated by the state, reimbursement to  
38 local agencies and school districts for those costs shall be made  
39 pursuant to Part 7 (commencing with Section 17500) of Division  
40 4 of Title 2 of the Government Code.



1 SECTION 1. ~~Section 40723 of the Health and Safety Code is~~  
2 ~~amended to read:~~

3 ~~40723. (a) It is the intent of the Legislature that, when a district~~  
4 ~~establishes best available control technology or lowest achievable~~  
5 ~~emission rate requirements based in part on vendor representations,~~  
6 ~~the requirements be achievable for the applicable source category.~~

7 ~~(b) Upon the request of any owner or operator of equipment~~  
8 ~~that is subject to best available control technology or lowest~~  
9 ~~achievable emission rate requirements, the district shall review~~  
10 ~~whether the applicable requirements have been achieved and~~  
11 ~~whether the requirements should be required for the source category~~  
12 ~~or source if the owner or operator demonstrates that all of the~~  
13 ~~following conditions are true:~~

14 ~~(1) The owner or operator purchased equipment that was subject~~  
15 ~~to or intended by the manufacturer or vendor to satisfy federal,~~  
16 ~~state, or local district rules or permitting requirements that impose~~  
17 ~~best available control technology or lowest achievable emission~~  
18 ~~rate requirements.~~

19 ~~(2) An express warranty was provided to the owner or operator~~  
20 ~~by the manufacturer or vendor that the equipment would achieve~~  
21 ~~the best available control technology or lowest achievable emission~~  
22 ~~rate requirements, or any specified emission rate or standard~~  
23 ~~intended to satisfy those requirements.~~

24 ~~(3) The owner or operator made a reasonable effort, for a~~  
25 ~~reasonable period of time, to operate the equipment in accordance~~  
26 ~~with the operating conditions specified by the equipment~~  
27 ~~manufacturer or vendor.~~

28 ~~(4) The equipment failed to meet the best available control~~  
29 ~~technology or lowest achievable emission rate requirements~~  
30 ~~covered by the warranty provided by the equipment manufacturer~~  
31 ~~or vendor.~~

32 ~~(5) The applicable best available control technology or lowest~~  
33 ~~achievable emission rate requirements were established primarily~~  
34 ~~on the basis of the representations and data provided by the~~  
35 ~~equipment manufacturer or vendor.~~

36 ~~(e) (1) If, after conducting a review pursuant to subdivision~~  
37 ~~(b), the district determines that the applicable best available control~~  
38 ~~technology or lowest achievable emission rate requirements are~~  
39 ~~not achievable by a source, the district shall revise those~~  
40 ~~requirements to a level achievable by that source.~~

1 (2) If, after conducting a review pursuant to subdivision (b), the  
2 district determines that the applicable best available control  
3 technology or lowest achievable emission rate requirements are  
4 not achievable by a source category, the district shall revise those  
5 requirements to a level achievable by that source category.

6 (d) This section shall be implemented in a manner consistent  
7 with applicable federal and state statutes, regulations, and  
8 requirements for the establishment of best available control  
9 technology and lowest achievable emission rate requirements.

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

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**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Doug Kim and Members  
of the Legislative Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 19, 2019

Re: Assembly Bill (AB) 836 Bay Area Clean Air Incentive Program

---

**RECOMMENDED ACTION**

None; receive and file.

**BACKGROUND**

In response to successive 2017 and 2018 wildfire events in the Bay Area and beyond, the Bay Area Air Quality Management District (Air District) has developed a California Legislative Proposal to provide designated ventilated spaces for the public during emergency air quality events.

**DISCUSSION**

The Committee will receive an update on the status of an Air District sponsored bill, Assembly Bill (AB) 836 – Buffy Wicks (D-Oakland), to increase the number of publicly accessible clean air spaces during emergency events such as wildfires.

Staff will provide an update on outreach to legislators and stakeholders, and feedback from the March 25, 2019, Assembly Natural Resources Committee hearing.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Alan Abbs  
Reviewed by: Jack P. Broadbent

Attachment 6A: 2019 Assembly Bill 836 (Wicks)  
Attachment 6B: AB 836 – Fact Sheet

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

**ASSEMBLY BILL****No. 836****Introduced by Assembly Member Wicks**

February 20, 2019

An act to add Article 6 (commencing with Section 40280) to Chapter 4 of Part 3 of Division 26 of the Health and Safety Code, relating to the Bay Area Air Quality Management District.

## LEGISLATIVE COUNSEL'S DIGEST

AB 836, as introduced, Wicks. Bay Area Clean Air Incentive Program.

(1) Existing law generally designates air pollution control and air quality management districts with the primary responsibility for the control of air pollution from all sources other than vehicular sources. Existing law establishes the Bay Area Air Quality Management District, which is vested with the authority to regulate air emissions located in the boundaries of the Counties of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara and portions of the Counties of Solano and Sonoma.

This bill would establish the Bay Area Clean Air Incentive Program, to be administered by the district, to provide funding through a grant program to retrofit ventilation systems to create a network of clean air centers within the boundaries of the district in order to mitigate the adverse public health impacts due to wildfires and other smoke events, as specified. The bill would specify that moneys for the program would be available upon appropriation. By adding to the duties of the Bay Area Air Quality Management District, the bill would impose a state-mandated local program.

(2) This bill would make legislative findings and declarations as to the necessity of a special statute for the Bay Area Air Quality Management District.

(3) The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that, if the Commission on State Mandates determines that the bill contains costs mandated by the state, reimbursement for those costs shall be made pursuant to the statutory provisions noted above.

Vote: majority. Appropriation: no. Fiscal committee: yes. State-mandated local program: yes.

*The people of the State of California do enact as follows:*

1 SECTION 1. Article 6 (commencing with Section 40280) is  
2 added to Chapter 4 of Part 3 of Division 26 of the Health and Safety  
3 Code, to read:

4  
5 Article 6. Bay Area Clean Air Incentive Program

6  
7 40280. (a) (1) The Bay Area Clean Air Incentive Program is  
8 hereby established to be administered by the bay district to provide  
9 funding through a grant program to retrofit ventilation systems to  
10 create a network of clean air centers within the boundaries of the  
11 bay district in order to mitigate the adverse public health impacts  
12 due to wildfires and other smoke events.

13 (2) Moneys for the program shall be available upon  
14 appropriation by the Legislature

15 (b) Qualified applicants shall include, but need not be limited  
16 to, all of the following:

- 17 (1) Schools.
- 18 (2) Community centers.
- 19 (3) Senior centers.
- 20 (4) Sports centers.
- 21 (5) Libraries.

22 (c) The bay district shall develop guidelines for the program in  
23 consultation with the cities, counties, public health agencies, school  
24 districts, and other stakeholders located within the boundaries of  
25 the bay district. The guidelines shall address all of the following:

- 1 (1) Location of the applicant.
- 2 (2) Size of the applicant's facility.
- 3 (3) Facility ventilation characteristics that could provide
- 4 healthier indoor air quality in the event of a localized smoke
- 5 impact.

6 SEC. 2. The Legislature finds and declares that a special statute  
7 is necessary and that a general statute cannot be made applicable  
8 within the meaning of Section 16 of Article IV of the California  
9 Constitution because of the unique circumstances that the Bay  
10 Area was significantly affected by smoke impacts during the  
11 wildfires of the last several years.

12 SEC. 3. If the Commission on State Mandates determines that  
13 this act contains costs mandated by the state, reimbursement to  
14 local agencies and school districts for those costs shall be made  
15 pursuant to Part 7 (commencing with Section 17500) of Division  
16 4 of Title 2 of the Government Code.

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

o

## Assembly Bill 836

### Clean Air Centers Pilot Program

Assemblymember Buffy Wicks (AD-15)

### THIS BILL

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AB 836 will create a pilot program in the Bay Area that provides designated ventilated spaces to the public during emergency air quality events.

### THE ISSUE

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In the past few years, wildfires in California have burned over 1.5 million acres of public and private forest land and destroyed over 24,000 homes.

The 2017 and 2018 wildfires demonstrated how catastrophic wildfire events impact the quality of air for residents, even those who live hundreds of miles away from the burned area. This toxic air, which often contains elevated levels of wood smoke and contaminants from burned structures, vehicles, and consumer products, can travel the length of the state, causing negative health impacts to children, elderly, and individuals with existing respiratory problems.

The health impact of such wildfire smoke can be devastating. According to the Centers for Disease Control and Prevention (CDC), people who have heart or lung diseases, chest pain, or asthma are at higher risk from wildfire smoke. The CDC also notes that older adults are more likely to be affected by smoke due to their increased risk of heart and lung diseases. Moreover, children are more likely to be affected by smoke because their airways are still developing and they breathe more air per pound of body weight than adults.

In addition, Bay Area residents are especially vulnerable to wildfire smoke and

contaminated air because of the high prevalence of asthma in the region. As data from the California Department of Health show, six of the Bay Area's nine counties have a higher prevalence of asthma than the state average.

### SOLUTION

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AB 836 has two components. It will:

- Direct the Bay Area Air Quality Management District to work with public health departments, cities, counties, school districts, and other non-governmental stakeholders to identify and publicize the accessible "clean air centers" during wildfire or other smoke events.
- Establish an incentive program administered by the Bay Area Air Quality Management District that would make funding available to facilities to improve their air filtration systems to become clean air centers.

Clean air centers would be identified as having ventilation systems with air filtration accessible to local communities and include publicly accessible spaces, such as schools, community and senior centers, and libraries.

This pilot program would apply to all nine Bay Area counties.

With public health concerns from contaminated air quality, AB 836 would provide better coordination in local communities and healthier indoor environments during emergency smoke events. It will fill a gap in the current wildfire smoke response efforts in affected communities and help mitigate adverse health effects from air pollution.



## **SUPPORT**

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Bay Area Air Quality Management District

## **CONTACT**

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Samantha Huynh  
Office of Assemblymember Wicks  
[Samantha.Huynh@asm.ca.gov](mailto:Samantha.Huynh@asm.ca.gov)  
(916) 319-2015

LEGISLATIVE COMMITTEE  
MEETING OF 03/27/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Mobile Source Committee Meeting of March 28, 2019

**RECOMMENDED ACTION**

The Mobile Source Committee (Committee) recommends Board of Directors' approval of the following items:

A) Projects and Contracts with Proposed Grant Awards Over \$100,000

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

B) 2019 Greenhouse Gas Reduction Funds (GGRF)

- 1) Authorize the Bay Area Air Quality Management District (Air District) to accept, obligate, and expend new funding for the Funding Agricultural Reduction Measures for Emission Reductions (FARMER) Program and the Community Air Protection Grant Program, and approve corresponding authorizing resolutions.

C) Fiscal Year Ending (FYE) 2020 Transportation Fund for Clean Air (TFCA) Program Funding Allocation

- 1) Approve the proposed allocation of \$14 million in new Transportation Fund for Clean Air (TFCA), monies to the programs and projects listed in Table 1;
- 2) Authorize the proposed cost-effectiveness limits for the Bay Area Air Quality Management District (Air District) -sponsored programs and projects listed in Table 2; and
- 3) Authorize the Executive Officer/APCO to enter into funding agreements and contracts up to \$100,000 for projects and programs listed in Table 1.

D) Electric Vehicle (EV) Ecosystem Update: Status of Light-Duty EV Adoption in the Bay Area

1) None; receive and file.

## BACKGROUND

The Committee met on Thursday, March 28, 2019, and received the following report:

A) Projects and Contracts with Proposed Grant Awards Over \$100,000;

B) 2019 Greenhouse Gas Reduction Funds (GGRF);

C) Fiscal Year Ending (FYE) 2020 Transportation Fund for Clean Air (TFCA) Program Funding Allocation; and

D) Electric Vehicle (EV) Ecosystem Update: Status of Light-Duty EV Adoption in the Bay Area.

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

## BUDGET CONSIDERATION/FINANCIAL IMPACT

A) None. The Air District distributes CMP, MSIF, Community Health Protection Grant Program, and TFCA funding to public agencies and private entities on a reimbursement basis. Funding for administrative costs is provided by each funding source.

B) None. Through the FARMER and Community Health Protection Grant programs, the Air District distributes “pass-through” funds to public agencies and private entities on a reimbursement basis. Administrative costs for these programs are provided by each funding source.

C) None. The Air District distributes “pass-through” funds to grantees on a reimbursement basis. Administrative costs for the TFCA Regional Fund program are provided by the funding source.

D) None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 17A: FARMER Board Resolution  
Attachment 17B: Community Air Protection Grant Program Board Resolution  
Attachment 17C: Mobile Source Committee Meeting Agenda #4 – 03/28/19  
Attachment 17D: Mobile Source Committee Meeting Agenda #5 – 03/28/19  
Attachment 17E: Mobile Source Committee Meeting Agenda #6 – 03/28/19  
Attachment 17F: Mobile Source Committee Meeting Agenda #7 – 03/28/19

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2019 -**

**Resolution Accepting FARMER Incentive Funding  
From the California Air Resources Board**

WHEREAS, in 2018 SB 856 appropriated \$132 million from the State Budget for Fiscal Year Ending (FYE) 2018-19 to the California Air Resources Board (CARB) for the reduction of criteria, toxic, and greenhouse gas emissions from the agricultural sector;

WHEREAS, CARB developed the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program to meet the Legislature's objectives and help meet the State's criteria, toxic and greenhouse gas emission reduction goals;

WHEREAS, the funding for the FARMER program comes from the following sources: Greenhouse Gas Reduction Fund (GGRF), and the California Tire Recycling Management Fund;

WHEREAS, the Bay Area Air Quality Management District (Air District) submitted an application to ARB requesting \$5 million in FARMER funds to implement projects pursuant to the FARMER Program guidelines;

WHEREAS, the Air District may use up to 6.25 percent of the funds it receives to pay the reasonable costs of implementing the incentive program;

WHEREAS, there are specific legislative requirements (e.g., expenditure records, quantification methodology, annual reporting, and disadvantaged/low income community investments) of the cap and trade proceeds that the Air District will need to adhere to;

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the District's acceptance of the FARMER funds to be awarded to eligible projects in accordance with the legislative and applicable program requirements.

BE IT FURTHER RESOLVED, the Executive Officer/Air Pollution Control Officer is hereby authorized and empowered to execute on behalf of the District grant agreements with CARB and all other necessary documents to implement and carry out the purposes of this resolution.

AGENDA 17A – ATTACHMENT

The foregoing resolution was duly and regularly introduced, passed and adopted at a regular meeting of the Board of Directors of the Bay Area Air Quality Management District on the Motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, on the \_\_\_\_ day of \_\_\_\_\_, 2019, by the following vote of the Board:

AYES:

NOES:

ABSENT:

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Katie Rice  
Chairperson of the Board of Directors

ATTEST:

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Cindy Chavez  
Secretary of the Board of Directors

DRAFT

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2019 -**

**Resolution Accepting FARMER Incentive Funding  
From the California Air Resources Board**

WHEREAS, in 2018 SB 856 appropriated \$132 million from the State Budget for Fiscal Year Ending (FYE) 2018-19 to the California Air Resources Board (CARB) for the reduction of criteria, toxic, and greenhouse gas emissions from the agricultural sector;

WHEREAS, CARB developed the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program to meet the Legislature's objectives and help meet the State's criteria, toxic and greenhouse gas emission reduction goals;

WHEREAS, the funding for the FARMER program comes from the following sources: Greenhouse Gas Reduction Fund (GGRF), and the California Tire Recycling Management Fund;

WHEREAS, the Bay Area Air Quality Management District (Air District) submitted an application to ARB requesting \$5 million in FARMER funds to implement projects pursuant to the FARMER Program guidelines;

WHEREAS, the Air District may use up to 6.25 percent of the funds it receives to pay the reasonable costs of implementing the incentive program;

WHEREAS, there are specific legislative requirements (e.g., expenditure records, quantification methodology, annual reporting, and disadvantaged/low income community investments) of the cap and trade proceeds that the Air District will need to adhere to;

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the District's acceptance of the FARMER funds to be awarded to eligible projects in accordance with the legislative and applicable program requirements.

BE IT FURTHER RESOLVED, the Executive Officer/Air Pollution Control Officer is hereby authorized and empowered to execute on behalf of the District grant agreements with CARB and all other necessary documents to implement and carry out the purposes of this resolution.

The foregoing resolution was duly and regularly introduced, passed and adopted at a regular meeting of the Board of Directors of the Bay Area Air Quality Management District on the Motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, on the \_\_\_\_ day of \_\_\_\_\_, 2019, by the following vote of the Board:

AYES:

NOES:

ABSENT:

---

Katie Rice  
Chairperson of the Board of Directors

ATTEST:

---

Cindy Chavez  
Secretary of the Board of Directors

DRAFT



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Canepa and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 12, 2019

Re: Projects and Contracts with Proposed Grant Awards Over \$100,000

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**RECOMMENDED ACTION**

Recommend the Board of Directors:

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

**BACKGROUND**

The Bay Area Air Quality Management District (Air District) has participated in the Carl Moyer Program (CMP), in cooperation with the California Air Resources Board (CARB), since the program began in fiscal year 1998-1999. The CMP provides grants to public and private entities to reduce emissions of oxides of nitrogen (NOx), reactive organic gases (ROG) and particulate matter (PM) from existing heavy-duty engines by either replacing or retrofitting them. Eligible heavy-duty diesel engine applications include on-road trucks and buses, off-road equipment, marine vessels, locomotives, and stationary agricultural pump engines.

Assembly Bill 923 (AB 923 - Firebaugh), enacted in 2004 (codified as Health and Safety Code (HSC) Section 44225), authorized local air districts to increase their motor vehicle registration surcharge up to an additional \$2 per vehicle. The revenues from the additional \$2 surcharge are deposited in the Air District's Mobile Source Incentive Fund (MSIF). AB 923 stipulates that air districts may use the revenues generated by the additional \$2 surcharge for projects eligible under the CMP.

In 2017, Assembly Bill (AB) 617 directed CARB, in conjunction with local air districts to establish the Community Air Protection Program. AB 617 provides a new community-focused action framework to improve air quality and reduce exposure to criteria air pollutants and toxic air contaminants in communities most impacted by air pollution. In advance of the development of the Community Air Protection Program, the Governor and legislature established an early action component to AB 617 to use existing incentive programs to get immediate emission reductions in

the communities most affected by air pollution. AB 134 (2017) appropriated \$250 million from the Greenhouse Gas Reduction Fund (GGRF) to reduce mobile source emissions including criteria pollutants, toxic air contaminants, and greenhouse gases in those communities. The Bay Area has been allocated \$50 million of these funds for emission reduction projects. These funds will be used to implement projects under the CMP, and optionally on-road truck replacements under the Proposition 1B Goods Movement Emission Reduction Program.

On February 21, 2018, the Board of Directors (Board) authorized Air District participation in Year 20 of the CMP, and authorized the Executive Officer/APCO to execute Grant Agreements and amendments for projects funded with CMP funds or MSIF revenues, with individual grant award amounts up to \$100,000.

In 1991, the California State Legislature authorized the Air District to impose a \$4 surcharge on motor vehicles registered within the nine-county Bay Area to fund projects that reduce on-road motor vehicle emissions within the Air District's jurisdiction. The statutory authority for the Transportation Fund for Clean Air (TFCA) and requirements of the program are set forth in the HSC Sections 44241 and 44242. Sixty percent of TFCA funds are awarded by the Air District to eligible projects and programs implemented directly by the Air District (e.g., Spare the Air, electric vehicle charging station program) and to a program referred to as the TFCA Regional Fund. Each year, the Board allocates funding and adopts policies and evaluation criteria that govern the expenditure of TFCA funding.

On May 2, 2018, the Board authorized funding allocations for use of TFCA revenue in Fiscal Year Ending (FYE) 2019, cost-effectiveness limits for Air District-sponsored FYE 2019 programs, and the Executive Officer/APCO to execute grant agreements and amendments for TFCA-revenue funded projects with individual grant award amounts up to \$100,000. On June 6, 2018, the Board adopted policies and evaluation criteria for the FYE 2019 TFCA Regional Fund program.

Projects with grant award amounts over \$100,000 are brought to the Mobile Source Committee for consideration at least on a quarterly basis. Staff reviews and evaluates grant applications based upon the respective governing policies and guidelines established by CARB and the Board.

## DISCUSSION

### **Carl Moyer Program and Community Health Protection Grant Program:**

For the CMP Year 20 cycle, the Air District had more than \$11 million available for eligible CMP and school bus projects from a combination of MSIF and CMP funds. The Air District started accepting project applications for the CMP Year 20 funding cycle on June 25, 2018, and applications are accepted and evaluated on a first-come, first-served basis. On December 20, 2017, the Board authorized the Air District to accept, obligate and expend \$50 million in AB 134 funds through the Community Health Protection Grant Program.

As of March 7, 2019, the Air District had received 187 project applications. Of the applications that have been evaluated between February 15, 2019 and March 7, 2019, two eligible projects have proposed individual grant awards over \$100,000. These projects will replace five pieces of agricultural equipment and four school buses, and will reduce over 1.706 tons of NOx, ROG and PM per year. Staff recommends the allocation of \$1,024,264 for these projects from a combination of CMP funds, MSIF revenues, and Community Health Protection Grant Program funds. Attachment 1, Table 1, provides additional information on these projects.

Attachment 2, lists all of the eligible projects that have been received by the Air District as of March 7, 2019, including information about the equipment category, award amounts, estimated emissions reductions, and county location. Approximately 65% of the funds have been awarded to projects that reduce emissions in highly impacted Bay Area communities. Attachment 4, Figures 4 and 5 summarize the cumulative allocation of CMP, MSIF, and Community Health Protection Grant Program funding since 2009 (more than \$269 million awarded to 1,143 projects).

### **Transportation Fund for Clean Air Program:**

In FYE 2019, the Air District had more than \$20 million in TFCA monies to allocate to eligible projects. This includes more than \$13 million in new TFCA monies and \$7 million in carryover funds from previous cycles. To date, the Air District has issued solicitations for existing shuttle & rideshare, pilot trip reduction, light- and medium-duty zero-emissions vehicle fleets, and electric vehicle charging station projects. The Air District has also provided TFCA funds as match to augment the funding from the Reformulated Gasoline Settlement Fund for on-road vehicle projects received through the West Oakland Zero-Emission Grant Program. As of March 7, 2019, the Air District had received 23 project applications. Of the applications that were evaluated between January 4, 2019, and March 7, 2019, none of the eligible projects proposed an individual grant award over \$100,000.

Attachment 3 lists all eligible TFCA projects that were evaluated as of March 7, 2019, including information about the equipment category, award amounts, estimated emissions reductions, and county location. Approximately 15% of the funds have been awarded to projects that reduce emissions in highly impacted Bay Area communities.

BUDGET CONSIDERATION / FINANCIAL IMPACT

None. The Air District distributes CMP, MSIF, Community Health Protection Grant Program, and TFCA funding to public agencies and private entities on a reimbursement basis. Funding for administrative costs is provided by each funding source.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Anthony Fournier and Chengfeng Wang  
Reviewed by: Karen Schkolnick

- Attachment 1: Projects with Grant Awards Greater Than \$100,000
- Attachment 2: CMP/MSIF, FARMER and Community Health Protection Grant Program Approved Projects
- Attachment 3: TFCA Approved and Eligible Projects
- Attachment 4: Summary of Funding Awarded Between 7/1/18 and 3/7/19

MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

**AGENDA 4 - ATTACHMENT 1**

**Table 1** - Carl Moyer Program/ Mobile Source Incentive Fund, FARMER, and Community Health Protection Grant Program projects with grant awards greater than \$100k (Evaluated between 2/15/19 and 3/7/19)

Project #	Applicant name	Equipment category	Project description	Proposed contract award	Total project cost	Emission Reductions (Tons per year)			County
						NOx	ROG	PM	
20SBP75	Napa Valley Unified School District	School bus	Replacement of 4 CNG buses with Low-NOx buses	\$ 787,704.00	\$ 883,600.00	0.373	0.032	0.000	Napa
20MOY166	Freixenet Sonoma Caves Inc.	Ag/ off-road	Replacement of 5 diesel powered tractors/ loaders	\$ 236,560.00	\$ 295,761.00	1.028	0.155	0.119	Sonoma
<b>2 Projects</b>				<b>\$ 1,024,264.00</b>	<b>\$ 1,179,361.00</b>	<b>1.401</b>	<b>0.187</b>	<b>0.119</b>	

MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

## ATTACHMENT 2

*CMP/MSIF, FARMER and Community Health Protection Grant Program approved projects  
(between 7/6/18 and 3/7/19)*

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
19MOY166	On-road	Equipment replacement	1	\$ 45,000.00	Deol Trans / Piara Singh	0.668	0.050	0.004	APCO	Contra Costa
19MOY168	Ag/ off-road	Equipment replacement	1	\$ 33,000.00	Rancho Las Juntas Vineyard	0.028	0.006	0.004	APCO	Contra Costa
19MOY163	Marine	Engine replacement	1	\$ 180,000.00	Bettencourt and Son (Commercial fishing)	0.647	0.009	0.021	10/17/2018	San Mateo
19MOY182	On-road	Equipment replacement	1	\$ 45,000.00	Thy Trucking	0.677	0.050	0.004	APCO	Alameda
19MOY185	On-road	Equipment replacement	1	\$ 60,000.00	Puerta Trucking	0.717	0.097	0.032	APCO	Merced
19MOY158	Ag/ off-road	Equipment replacement	1	\$ 117,000.00	Ocean Breeze Dairy	0.310	0.020	0.015	10/17/2018	Sonoma
19MOY159	Ag/ off-road	Equipment replacement	1	\$ 40,480.00	Trefethen Farming LLC	0.173	0.030	0.021	APCO	Napa
19MOY176	Ag/ off-road	Equipment replacement	1	\$ 60,000.00	Bazan Vineyard Management	0.198	0.033	0.025	APCO	Napa
19SBP12	School bus	Equipment replacement	4	\$ 512,170.00	Moreland School District	0.237	0.016	0.000	10/17/2018	Santa Clara
19MOY148	Off-road	Equipment replacement	2	\$ 197,278.00	The Lumber Baron, Inc.	0.178	0.044	0.008	10/17/2018	Alameda
19SBP97	School bus	Equipment replacement	8	\$ 1,635,693.00	Vallejo City Unified School District	0.826	0.065	0.000	10/17/2018	Solano
19MOY175	Off-road	Equipment replacement	1	\$ 75,680.00	Mt. Diablo Landscape Centers, LLC	0.189	0.031	0.023	APCO	Contra Costa
20MOY51	Ag/ off-road	Equipment replacement	5	\$ 467,856.00	Johnson and Neles Dairy	1.985	0.208	0.124	10/17/2018	Sonoma
20MOY52	On-road	Equipment replacement	1	\$ 60,000.00	James Marlowe Carson	0.904	0.068	0.005	APCO	Napa
19MOY181	Ag/ off-road	Equipment replacement	1	\$ 50,300.00	Jensen Ranch	0.122	0.019	0.011	APCO	Marin
19SBP140	School bus	Equipment replacement	18	\$ 4,076,369.00	Fremont Unified School District	1.717	0.139	0.034	10/17/2018	Alameda

## AGENDA 4 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20SBP45	School bus	Equipment replacement	2	\$ 1,291,000.00	Campbell Union School District	0.104	0.006	0.000	10/17/2018	Santa Clara
19MOY180	On-road	Equipment replacement	26	\$ 492,100.00	Nestle Waters North America	1.061	0.046	0.003	11/7/2018	Alameda, Solano
20MOY36	On-road	Equipment replacement	1	\$ 60,000.00	ZQR Trucking	0.982	0.074	0.006	APCO	Alameda
20MOY48	Marine	Engine replacement	1	\$ 99,500.00	Michael Thomas Hudson (Commercial fishing)	0.257	0.006	0.010	APCO	Alameda
20MOY60	Ag/ off-road	Equipment replacement	1	\$ 46,355.00	Siqueira Vineyard Management	0.156	0.026	0.018	APCO	Napa
20MOY50	Marine	Engine replacement	2	\$ 159,000.00	Captain Joe's Sport fishing	0.267	0.009	0.017	11/7/2018	San Francisco
20MOY71	Ag/ off-road	Equipment replacement	6	\$ 258,796.00	Vina Management Service	0.865	0.124	0.084	11/7/2018	Sonoma
20MOY65	On-road	Equipment replacement	1	\$ 40,000.00	Zahniser Trucking	0.738	0.122	0.006	APCO	Contra Costa
20MOY29	Off-road	Equipment replacement	3	\$ 15,000.00	D. C. Metals, Inc.	0.126	0.034	0.001	APCO	Alameda
20MOY62	Ag/ off-road	Equipment replacement	1	\$ 60,190.00	Vezer Family Vineyards	0.048	0.012	0.010	APCO	Solano
20MOY46	On-road	Equipment replacement	1	\$ 49,000.00	Akal Sahai Truck Lines Inc.	1.446	0.217	0.000	APCO	Alameda
20MOY63	On-road	Equipment replacement	1	\$ 23,500.00	Always Express Transportation	0.179	0.011	0.001	APCO	Alameda
20MOY49	Marine	Engine replacement	1	\$ 148,000.00	F/V Rose Marie Inc.	0.597	-0.011	0.024	12/19/2018	San Francisco
20MOY94	Marine	Engine replacement	1	\$ 44,000.00	Jeffrey A Sylva (Commercial fishing)	0.116	0.001	0.004	APCO	Santa Clara
20MOY41	Ag/ off-road	Equipment replacement	1	\$ 29,500.00	Kehoe Dairy, Inc	0.049	0.002	0.003	APCO	Marin
20MOY66	Ag/ off-road	Equipment replacement	3	\$ 188,700.00	Pina Vineyard Management, LLC.	0.160	0.037	0.028	12/19/2018	Napa
20MOY64	On-road	Equipment replacement	1	\$ 60,000.00	Basra Trucking	1.570	0.239	0.083	APCO	Santa Clara

## AGENDA 4 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20SBP08	School bus	Equipment replacement	3	\$ 1,143,464.00	Antioch Unified School District	0.298	0.023	0.011	12/19/2018	Contra Costa
20MOY76	Ag/ off-road	Equipment replacement	4	\$ 169,400.00	FN Viticulture, LLC	0.514	0.057	0.048	12/19/2018	Napa
20MOY97	On-road	Equipment replacement	1	\$ 40,000.00	Gosal Trucking	0.835	0.138	0.047	APCO	Contra Costa
20MOY43	Marine	Engine replacement	2	\$ 458,000.00	Michael Peery (Commercial fishing)	1.409	0.009	0.059	12/19/2018	Solano
20MOY100	Ag/ off-road	Equipment replacement	3	\$ 136,520.00	Grand Crew Vineyard Management	0.211	0.077	0.033	12/19/2018	Napa
20MOY96	On-road	Equipment replacement	1	\$ 60,000.00	Reliable Express Transportation Inc.	0.586	0.043	0.003	APCO	Alameda
20MOY67	Marine	Engine replacement	4	\$ 1,613,500.00	Harley Marine Services, Inc. Vessel: Z-Three	4.801	-0.135	0.380	12/19/2018	Alameda
20MOY68	Marine	Engine replacement	4	\$ 1,613,500.00	Harley Marine Services, Inc. Vessel: Z-Four	4.801	-0.135	0.380	12/19/2018	Alameda
20MOY69	Marine	Engine replacement	4	\$ 1,613,500.00	Harley Marine Services, Inc. Vessel: Z-Five	4.801	-0.135	0.380	12/19/2018	Alameda
20MOY110	Off-road	Equipment replacement	3	\$ 328,500.00	Steven's Creek Quarry, Inc.	5.136	0.232	0.138	12/19/2018	Santa Clara
20MOY117	On-road	Hydrogen fueling infrastructure	1	\$ 1,750,000.00	Alameda-Contra Costa Transit District	0.718	0.011	0.004	12/19/2018	Alameda
20SBP1	School bus	Equipment replacement	2	\$ 320,000.00	Pittsburg Unified School District	0.199	0.164	0.001	12/19/2018	Contra Costa
20MOY95	Ag/ off-road	Equipment replacement	4	\$ 159,600.00	Stan Poncia dba Terrilinda Dairy	0.893	0.116	0.066	12/19/2018	Sonoma
20MOY99	Ag/ off-road	Equipment replacement	2	\$ 121,800.00	T and M Agricultural Services, LLC	0.359	0.047	0.032	12/19/2018	Napa
20SBP72	School bus	Equipment replacement	6	\$ 1,246,785.00	Milpitas Unified School District	0.318	0.019	0.007	12/19/2018	Santa Clara
20SBP73	School bus	Equipment replacement	8	\$ 1,659,507.00	Berkeley Unified School District	0.617	0.045	0.132	12/19/2018	Alameda
20MOY119	On-road	Equipment replacement	1	\$ 40,000.00	Francisco Aguilar dba Salazar Trucking	1.113	0.183	0.000	APCO	Contra Costa
20MOY15	On-road	Equipment replacement	1	\$ 10,500.00	RCS Enterprises Inc	0.172	0.019	0.009	APCO	Santa Clara



## AGENDA 4 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY120	On-road	Equipment replacement	1	\$ 40,000.00	Goga Trucking	1.066	0.175	0.000	APCO	Alameda
20MOY74	Ag/ off-road	Equipment replacement	1	\$ 57,766.00	Garvey Vineyard Management LLC	0.156	0.009	0.009	APCO	Napa
20MOY107	Marine	Equipment replacement	1	\$ 109,000.00	Argo Sportfishing	1.031	0.016	0.036	2/6/2019	San Francisco
20MOY132	Off-road	Equipment replacement	1	\$ 540,000.00	County Quarry Products, LLC	2.412	0.112	0.066	2/6/2019	Contra Costa
20MOY53	On-road	Equipment replacement	1	\$ 20,000.00	Pars Trucking	0.644	0.097	0.005	APCO	Solano
20MOY111	On-road	Equipment replacement	1	\$ 40,000.00	Jasvir Dosanjh	0.432	0.037	0.000	APCO	Placer
20MOY85	On-road	Equipment replacement	1	\$ 40,000.00	Gurchetan Johal	0.403	0.034	0.003	APCO	Placer
20MOY81	On-road	Equipment replacement	1	\$ 35,000.00	Bevin Thomas	0.366	0.031	0.002	APCO	Sacramento
20MOY92	On-road	Equipment replacement	1	\$ 50,000.00	Sukhvir Singh Tatlah	0.506	0.037	0.003	APCO	Alameda
20MOY87	On-road	Equipment replacement	1	\$ 30,000.00	Rajanpal Singh	0.329	0.028	0.002	APCO	Placer
20MOY108	On-road	Equipment replacement	1	\$ 40,000.00	Sukhdev Singh Johal	0.402	0.034	0.003	APCO	Sacramento
20MOY135	Ag/ off-road	Equipment replacement	1	\$ 29,208.00	Perry Kozlowski Ranch	0.117	0.015	0.010	APCO	Sonoma
20MOY134	Off-road	Engine replacement	8	\$ 1,901,000.00	DeSilva Gates Construction	6.636	0.358	0.190	2/6/2019	Alameda
20MOY141	Off-road	Engine replacement	1	\$ 111,000.00	Concord Iron Works, Inc.	0.308	0.034	0.021	2/6/2019	Contra Costa
20MOY126	Ag/ off-road	Equipment replacement	1	\$ 134,000.00	Kabeela, Inc.	0.229	0.024	0.014	2/6/2019	Santa Clara
20MOY144	Ag/ off-road	Equipment replacement	1	\$ 66,379.00	JPW Development Co., LLC	0.134	0.020	0.012	APCO	Solano
20MOY149	Locomotive	Locomotive replacement	1	\$ 1,400,000.00	Napa Valley Wine Train, Inc.	4.855	0.159	0.110	2/6/2019	Napa
20SBP140	School bus	Equipment replacement	5	\$ 751,061.00	Sunnyvale School District	0.235	0.013	0.005	2/6/2019	Santa Clara

## AGENDA 4 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY151	Ag/ off-road	Equipment replacement	1	\$ 68,475.00	Bianchini Inc.	0.165	0.020	0.011	APCO	Marin
20MOY147	On-road	Equipment replacement	1	\$ 40,000.00	Surjit Singh	1.162	0.241	0.000	APCO	Santa Clara
20MOY131	Ag/ off-road	Equipment replacement	1	\$ 25,117.00	E & M Deniz Dairy	0.153	0.024	0.014	APCO	Sonoma
20MOY136	Ag/ off-road	Equipment replacement	1	\$ 27,690.00	Hidden Gem Farms, LLC	0.024	0.023	0.006	APCO	Sonoma
20MOY125	Ag/ off-road	Equipment replacement	1	\$ 41,900.00	O'Brien Family Vineyard LLC	0.199	0.031	0.018	APCO	Napa
20MOY61	On-road	Equipment replacement	1	\$ 15,000.00	Lindsey Anderson Trucking Service	0.437	0.041	0.002	APCO	San Mateo
VBB FYE2019	VBB	Vehicle retirement program	tbd	\$ 7,000,000.00	Pick'n Pull, and Environmental Engineering Services	TBD	TBD	TBD	3/6/2019	Regional
VBB FYE2019	VBB	Vehicle retirement outreach	tbd	\$ 200,000.00	Direct Mail Center	TBD	TBD	TBD	3/6/2019	Regional
20MOY137	Ag/ off-road	Equipment replacement	1	\$ 58,320.00	Dotti Bros. LLC	0.198	0.033	0.025	APCO	Sonoma
20MOY157	Ag/ off-road	Equipment replacement	1	\$ 205,830.00	McClelland's Dairy	0.716	0.066	0.038	3/6/2019	Sonoma
20MOY159	Ag/ off-road	Equipment replacement	1	\$ 186,400.00	Petaluma Pumpkin Patch, LLC	0.341	0.031	0.017	3/6/2019	Sonoma
20MOY102	Ag/ off-road	Equipment replacement	1	\$ 18,420.00	Leonard Gianno (Farmer)	0.023	0.023	0.006	APCO	Solano
20MOY148	Marine	Engine replacement	1	\$ 196,500.00	John Henry Mellor (Commercial fishing)	0.460	0.008	0.017	3/6/2019	San Francisco
20MOY3	Marine	Engine replacement	2	\$ 97,000.00	Christopher Noel Smith, DBA, Captain Hook Sportfishing	0.947	-0.014	0.038	APCO	Alameda
20MOY90	Marine	Engine replacement	2	\$ 156,000.00	Riverview Equipment Company LLC	0.274	0.000	0.015	3/6/2019	Solano
20MOY70	Marine	Engine replacement	2	\$ 160,000.00	Bay Marine Services, LLC	1.490	0.029	0.047	3/6/2019	Solano
20SBP23	School bus	Equipment replacement	2	\$ 361,692.00	Sonoma Valley Unified School District	0.131	0.009	0.001	3/6/2019	Sonoma
20MOY175	Locomotive	Equipment replacement	2	\$ 7,400,000.00	California Department of Transportation	18.485	0.698	0.288	3/6/2019	Solano, Contra Costa, Alameda, Santa Clara

## AGENDA 4 - ATTACHMENT 2

Project #	Equipment category	Project type	# of engines	Proposed contract award	Applicant name	Emission Reductions (Tons per year)			Board approval date	County
						NOx	ROG	PM		
20MOY91	Marine	Engine replacement	2	\$ 70,000.00	Riverview Equipment Company LLC	0.125	0.001	0.006	APCO	Solano
20MOY152	Marine	Engine replacement	1	\$ 39,000.00	Patrick Lazzari (Commercial fishing)	0.078	0.001	0.003	APCO	San Francisco
20MOY163	Ag/ off-road	Equipment replacement	1	\$ 32,920.00	Haire Management Co. LLC	0.130	0.023	0.013	APCO	Napa
20SBP75	School bus	Equipment replacement	4	\$ 787,704.00	Napa Valley Unified School District	0.373	0.032	0.000	TBD	Napa
20MOY158	Ag/ off-road	Equipment replacement	1	\$ 58,900.00	Cortina Vineyard Management	0.165	0.007	0.007	APCO	Napa
20MOY156	Ag/ off-road	Equipment replacement	1	\$ 65,000.00	Robert Giacomini Dairy, Inc	0.107	0.011	0.006	APCO	Marin
20MOY171	On-road	Equipment replacement	1	\$ 25,000.00	ELC Trucking	0.715	0.094	0.004	APCO	Santa Clara
20MOY180	On-road	Equipment replacement	1	\$ 27,000.00	Salvador Uribe dba/Don Luis	0.269	0.019	0.001	APCO	Santa Clara
20MOY102	On-road	Equipment replacement	1	\$ 13,000.00	Bayside Building Materials, Inc.	0.360	0.043	0.002	APCO	San Mateo
20MOY166	Ag/ off-road	Equipment replacement	5	\$ 236,560.00	Freixenet Sonoma Caves Inc.	1.028	0.155	0.119	TBD	Sonoma
<b>97 Projects</b>			<b>220</b>	<b>\$ 46,813,815.00</b>		<b>94.934</b>	<b>5.504</b>	<b>3.554</b>		

MOBILE SOURCE COMMITTEE MEETING OF 03/28/2019

## AGENDA 4 - ATTACHMENT 3

Summary of all TFCA approved and eligible projects (evaluated between 7/1/18 and 3/7/19)

Project #	Project Category	Project Description	Award Amount	Applicant Name	Emission Reductions (Tons per year)			Board/APCO Approval Date	CAR E Area	County
					NO <sub>x</sub>	ROG	PM			
18EV029	LD Infrastructure	Install and operate 16 single-port Level 2 (high) charging stations at 1 workplace facility in Los Altos Hills	\$48,000	Creative Center of Los Altos	0.026	0.034	0.001	10/30/18	No	Santa Clara
18EV035	LD Infrastructure	Install and operate 2 dual-port Level 2 (high) charging stations at 1 destination facility in Greenbrae	\$8,000	Marin Rowing Association	0.004	0.006	0.000	7/31/18	No	Marin
18EV038	LD Infrastructure	Install and operate 1 single port Level 2 (high) and 1 25KW DC Fast charging stations with a 11,650 W solar array at 1 transportation corridor facility in Petaluma	\$25,900	Solar Action Network	0.01	0.01	0.00	11/30/18	No	Sonoma
18EV047	LD Infrastructure	Install and operate 4 single port Level 2 (high) charging stations at 1 destination facility in San Mateo	\$12,000	Nazareth Plaza Owners' Association	0.007	0.009	0.000	7/30/18	No	San Mateo
18EV049	LD Infrastructure	Install and operate 12 single-port Level 2 (high) charging stations at 6 destination facilities in San Mateo, Burlingame, San Bruno, and Millbrae	\$36,000	San Mateo Union High School District	0.020	0.025	0.000	7/5/18	No	San Mateo
18EV056	LD Infrastructure	Install and operate 3 dual-port Level 2 (high) charging stations at 3 destination facilities in Richmond and El Cerrito	\$12,000	West Contra Costa Unified School District	0.007	0.009	0.000	7/5/18	Yes	Contra Costa
18R14	Bicycle Facilities	Install and maintain 3.62 miles of Class III bikeways in Petaluma	\$48,500	City of Petaluma	0.007	0.009	0.014	8/6/18	No	Sonoma
18R18	Bicycle Facilities	Install and maintain 0.09 miles of Class I and 0.28 miles of Class IV bikeways in Los Gatos	\$242,000	Town of Los Gatos	0.029	0.056	0.039	8/1/18	No	Santa Clara
18R20	Bicycle Facilities	Install and maintain 1.57 miles of Class II bikeways and 23 bike racks (2 bikes per rack)	\$38,000	City of Gilroy	0.008	0.010	0.013	8/22/18	No	Santa Clara
18R21	Bicycle Facilities	Install and maintain 40 electronic bicycle lockers in Danville	\$96,000	Town of Danville	0.014	0.018	0.026	8/7/18	No	Contra Costa
18R22	Bicycle Facilities	Install and maintain 16 electronic bicycle lockers in San Francisco	\$32,000	San Francisco Community College District	0.004	0.006	0.007	8/22/18	No	San Francisco
19R01	Trip Reduction	Enhanced Mobile Source & Commuter Benefits Enforcement	\$54,842	BAAQMD	0.722	0.806	1.171	NA	No	Regional
19R02	LD Vehicles	Vehicle Buy Back Program	\$150,000	BAAQMD	NA	NA	NA	NA	No	Regional
19R03	Trip Reduction	Spare The Air/Intermittent Control Programs	\$2,305,927	BAAQMD	42.952	50.253	67.862	NA	No	Regional
19R10	Trip Reduction	Pleasanton Connector Shuttles	\$80,000	San Joaquin Regional Rail Commission	0.234	0.387	0.647	10/18/18	Yes	Alameda
19R13	Trip Reduction	Juvenile Justice Center/ Fairmont Hospital Shuttle	\$29,700	County of Alameda	0.011	0.040	0.058	10/18/18	Yes	Alameda
19R14	Trip Reduction	PresidioGO Downtown Shuttle	\$100,000	Presidio Trust	0.252	0.352	0.471	11/7/2018	Yes	San Francisco
19R15	Trip Reduction	Calltrain Shuttle Program	\$652,600	Peninsula Corridor Joint Powers Board	2.64	3.66	5.14	11/7/2018	No	San Mateo/Santa Clara
19R16	Trip Reduction	ACE Shuttle Bus Program	\$960,000	Santa Clara Valley Transportation Authority	2.43	2.60	4.29	11/7/2018	Yes	Santa Clara
19R18	Trip Reduction	SJSU Ridesharing & Trip Reduction	\$139,500	Associated Students, San Jose State University	0.231	0.266	0.366	11/7/2018	No	Regional
19RFG04*	Off-road (non-ag)	Purchase and operate 5 electric forklifts, 1 electric vacuum unit, and 1 electric terminal truck	\$221,000	Wyse Logistics	0.107	0.015	0.008	10/17/18	Yes	Alameda
19RFG06*	LD Infrastructure	Install and operate 45 dual port level 2 EV charging stations	\$279,000	Hayward Unified School District	0.014	0.003	0.001	10/17/18	Yes	Alameda
<b>22 Projects*</b>			<b>\$6,070,969</b>		<b>49.728</b>	<b>58.576</b>	<b>80.115</b>			

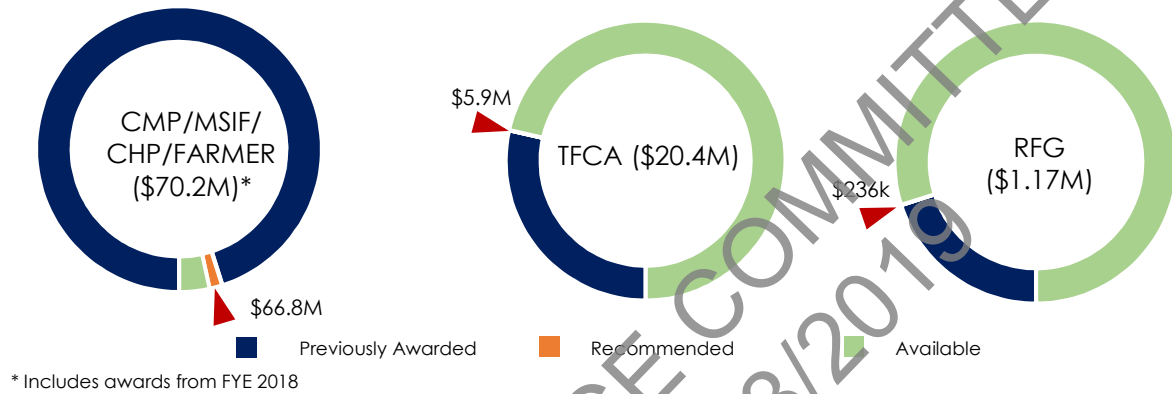
\* The award amounts for these projects include a total of \$235,600 of RFG funds

# AGENDA 4 - ATTACHMENT 4

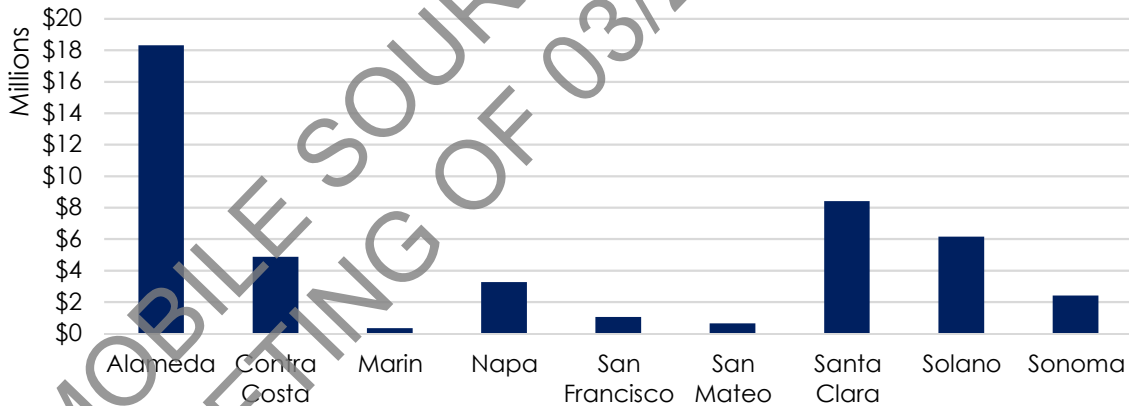
Figures 1-3 shown below summarize funding awarded between 7/1/18 and 3/7/19 from funding sources including:

- Carl Moyer Program (CMP)
- Community Health Protection Program (CHP)
- Funding Agricultural Replacement Measures for Emission Reductions (FARMER)
- Mobile Source Incentive Fund (MSIF)
- Transportation Fund for Clean Air (TFCA)
- Reformulated Gasoline Settlement Fund (RFG)

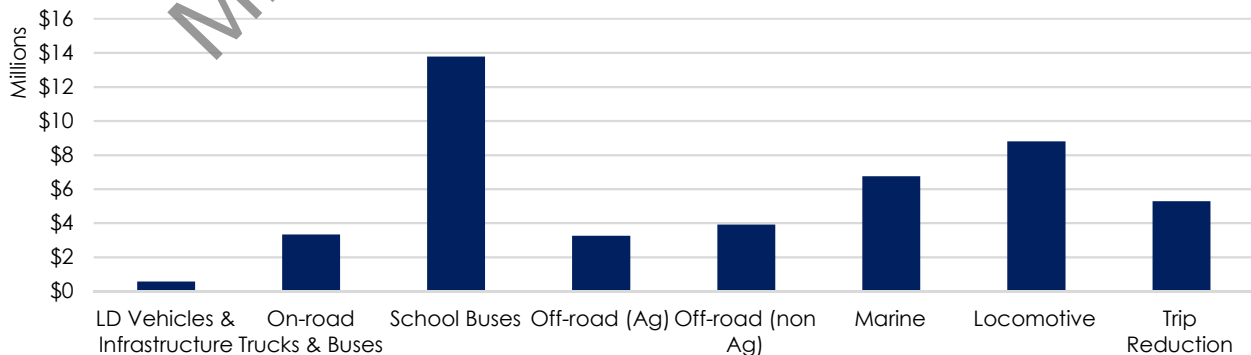
**Figure 1. Status of FYE2019 funding by source**



**Figure 2. Funding awarded in FYE2019 by county**



**Figure 3. Funding awarded in FYE2019 by project category**



## AGENDA 4 - ATTACHMENT 4

Figure 4. CMP/MSIF/CHP/FARMER funding awarded since 2009 by county

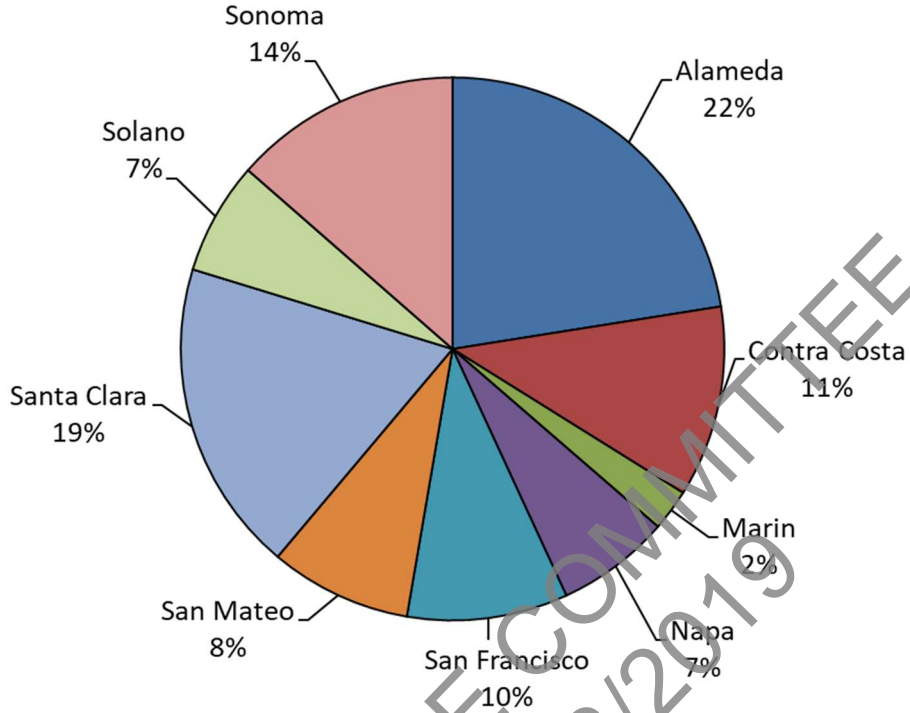
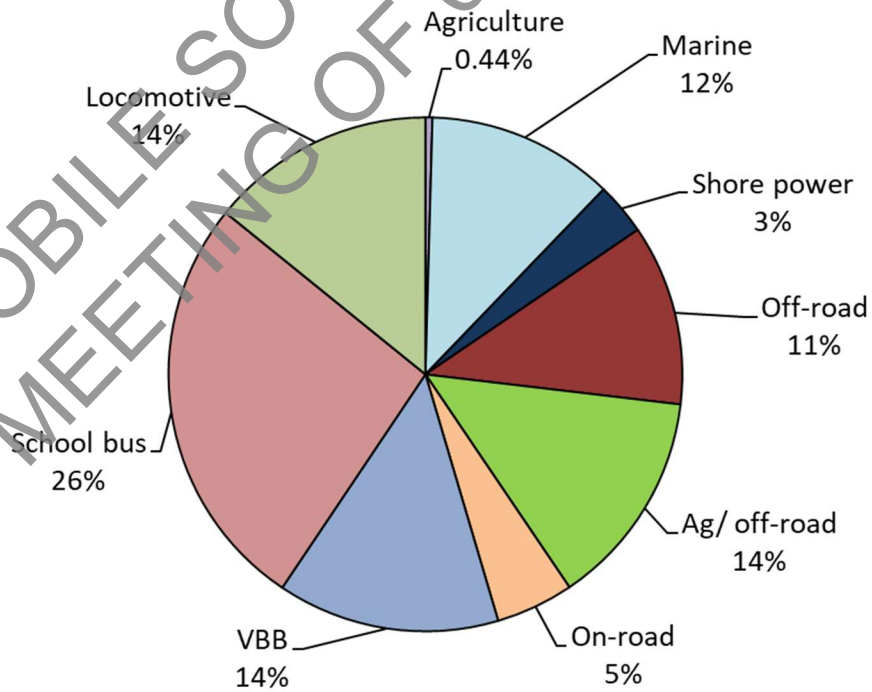


Figure 5. CMP/MSIF/CHP/FARMER funding awarded since 2009 by category



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Canepa and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 12, 2019

Re: 2019 Greenhouse Gas Reduction Funds (GGRF)

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**RECOMMENDED ACTION**

Recommend the Board of Directors:

1. Authorize the Bay Area Air Quality Management District (Air District) to accept, obligate, and expend new funding for the Funding Agricultural Reduction Measures for Emission Reductions (FARMER) Program and the Community Air Protection Grant Program, and approve corresponding authorizing resolutions.

**BACKGROUND**

In 2017, Assembly Bill (AB) 617 directed the California Air Resources Board (CARB), in conjunction with local air districts to establish the Community Air Protection Program. AB 617 provides a new community-focused action framework to improve air quality and reduce exposure to criteria air pollutants and toxic air contaminants in communities most impacted by air pollution. AB 617 seeks to: improve air pollution data collection and reporting; expedite pollution control retrofit of large stationary sources; increase penalties for air pollution violations; require enhanced air pollution monitoring; adopt a statewide emissions reduction strategy targeting pollution-burdened communities; and require CARB and air districts to implement community emissions reduction programs.

Prior to the development of the Community Air Protection Program, the Governor and Legislature established an early-action component to AB 617 to use existing incentive programs to get immediate emission reductions in the communities most affected by air pollution. In 2017 AB 134 provided \$50 million from the Greenhouse Gas Reduction Fund (GGRF) for Bay Area emissions reduction projects, and in 2018 Senate Bill (SB) 856 continued funding support for Community Air Protection grant projects.

On June 27, 2018, SB 856 was signed into law adding provisions to the 2018 California State Budget Act related to its GGRF expenditure plan. SB 856 appropriated \$245 million in GGRF funds to reduce emissions including criteria pollutants, toxic air contaminants, and greenhouse gases in those communities. SB 856 also appropriated \$132 million from the State Budget for Fiscal Year 2018-19 to CARB for the reduction of criteria, toxic, and greenhouse gas emissions from the agricultural sector through the FARMER Program.

FARMER and Community Health Protection grant program projects with award amounts over \$100,000 are brought to the Mobile Source Committee for consideration at least on a quarterly basis. Staff reviews and evaluates grant applications based upon the respective governing policies and guidelines established by CARB and the Air District Board of Directors (Board).

## DISCUSSION

### **2019 Community Health Protection Grant Program**

Through SB 856, the Bay Area is expected to receive approximately \$40 million in GGRF funds for Community Health Protection Grant Program emission reduction projects. Up to 6.25% of the funds received may be used for Air District administrative costs. Project funds can be expended under the state-adopted guidelines for:

- **Mobile sources:** Eligible for funding under following existing incentive programs:
  - *Carl Moyer Program (CMP):* The CMP provides grants to public and private entities to reduce emissions of oxides of nitrogen (NOx), reactive organic gases (ROG) and Particulate Matter (PM) from existing heavy-duty engines by either replacing or retrofitting them. Eligible heavy-duty diesel engine applications include on-road trucks and buses, off-road equipment, marine vessels, locomotives, and stationary agricultural pump engines.
  - *California Goods Movement Bond Program (GMB):* Similar to the CMP, this program provides grant funding to private entities to reduce emissions of NOx, ROG, and PM from heavy-duty engines engaged in goods movement by either replacing or retrofitting them. SB 856 funding has been limited by the Legislature to use for GMB truck projects only.
- **Stationary sources:** Grant funding may be available to owners of stationary sources for replacement of equipment with technologies that will reduce emissions of toxic air contaminants and criteria air pollution, including zero-emission technologies.
- **Other projects:** Grant funding may be used for a program developed by the Air District with community input through a public process so long as the program is consistent with the actions identified in the applicable community emission reduction program pursuant to Section 44391.2 of the CA Health and Safety Code.

These programs are subject to an aggressive implementation schedule. SB 856 funding needs to be encumbered by June 30, 2020, and fully liquidated by June 30, 2022.



**2019 FARMER Program**

SB 856 appropriated \$132 million from the State Budget for Fiscal Year 2018-19 to CARB to reduce criteria, toxic, and greenhouse gas emissions from the agricultural sector. CARB developed the FARMER Program to meet the Legislature’s objectives and help meet the State’s criteria, toxic and greenhouse gas emission reduction goals. In March 2019, the Air District submitted an application to CARB requesting \$5 million for the FARMER program in the Bay Area. Up to 6.25% of the funds received may be used for administrative costs to administer the program.

**BUDGET CONSIDERATION / FINANCIAL IMPACT**

None. Through the FARMER and Community Health Protection Grant programs, the Air District distributes “pass-through” funds to public agencies and private entities on a reimbursement basis. Administrative costs for these programs are provided by each funding source.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Anthony Fournier  
Reviewed by: Karen Schkolnick

Attachment 1: FARMER Board Resolution  
Attachment 2: Community Air Protection Grant Program Board Resolution

MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2019 -**

**Resolution Accepting FARMER Incentive Funding  
From the California Air Resources Board**

WHEREAS, in 2018 SB 856 appropriated \$132 million from the State Budget for Fiscal Year Ending (FYE) 2018-19 to the California Air Resources Board (CARB) for the reduction of criteria, toxic, and greenhouse gas emissions from the agricultural sector;

WHEREAS, CARB developed the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program to meet the Legislature's objectives and help meet the State's criteria, toxic and greenhouse gas emission reduction goals;

WHEREAS, the funding for the FARMER program comes from the following sources: Greenhouse Gas Reduction Fund (GGRF), and the California Tire Recycling Management Fund;

WHEREAS, the Bay Area Air Quality Management District (Air District) submitted an application to ARB requesting \$5 million in FARMER funds to implement projects pursuant to the FARMER Program guidelines;

WHEREAS, the Air District may use up to 6.25 percent of the funds it receives to pay the reasonable costs of implementing the incentive program;

WHEREAS, there are specific legislative requirements (e.g., expenditure records, quantification methodology annual reporting, and disadvantaged/low income community investments) of the cap and trade proceeds that the Air District will need to adhere to;

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the District's acceptance of the FARMER funds to be awarded to eligible projects in accordance with the legislative and applicable program requirements.

BE IT FURTHER RESOLVED, the Executive Officer/Air Pollution Control Officer is hereby authorized and empowered to execute on behalf of the District grant agreements with CARB and all other necessary documents to implement and carry out the purposes of this resolution.

AGENDA 5 – ATTACHMENT 1

The foregoing resolution was duly and regularly introduced, passed and adopted at a regular meeting of the Board of Directors of the Bay Area Air Quality Management District on the Motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, on the \_\_\_\_ day of \_\_\_\_\_, 2019, by the following vote of the Board:

AYES:

NOES:

ABSENT:

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Katie Rice  
Chairperson of the Board of Directors

ATTEST:

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Cindy Chavez  
Secretary of the Board of Directors

MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**RESOLUTION No. 2019 -**

**Resolution Accepting SB 856 Community Air Protection Grant Funding  
From the California Air Resources Board**

WHEREAS, SB 856 adds provisions to the 2018 Budget Act related to the 2019 Greenhouse Gas Expenditure Plan, which appropriates Greenhouse Gas Reduction Fund revenue to the California Air Resources Board (CARB) for an array of programs, including \$245 million for the Community Air Protection grant program;

WHEREAS, a portion of the \$245 million in funding shall be distributed to the Bay Area Air Quality Management District (Air District) to implement emission reduction projects pursuant to the ARB guidelines for the: Community Air Protection Fund Supplement to the Carl Moyer Memorial Air Quality Attainment program, Proposition 1B truck program, stationary source projects, and community programs,

WHEREAS, the Air District may use up to 6.25 percent of the funds it receives to pay the reasonable costs of administering the incentive programs;

WHEREAS, the goal of the funding is to provide near-term targeted deployment within impacted communities and focus on reducing emissions from mobile sources, stationary sources, and equipment that spend a substantial amount of time within impacted communities;

WHEREAS, the Air District shall allocate funding to projects consistent with priorities identified by the affected communities in a transparent, meaningful public process;

WHEREAS, the predominant emission reductions from the funded projects occurring in the most impacted communities will reduce emissions in excess of those otherwise required by law or regulation, and will also contribute to progress on meeting regional clean air standards;

WHEREAS, there are specific legislative requirements (e.g., expenditure record, quantification methodology, annual reporting, and disadvantaged/low income community investments) of the cap and trade proceeds that the District will need to adhere to;

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors hereby approves the District's acceptance of the SB 856 funds to be awarded to eligible projects in accordance with the legislative and applicable program requirements.

BE IT FURTHER RESOLVED, the Air District will commit to working with the environmental justice community on recommended spending priorities within its region.

AGENDA 5 – ATTACHMENT 2

BE IT FURTHER RESOLVED, the Executive Officer/Air Pollution Control Officer is hereby authorized and empowered to execute on behalf of the District grant agreements with CARB and all other necessary documents to implement and carry out the purposes of this resolution.

The foregoing resolution was duly and regularly introduced, passed and adopted at a regular meeting of the Board of Directors of the Bay Area Air Quality Management District on the Motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, on the \_\_\_\_ day of \_\_\_\_\_, 2019, by the following vote of the Board:

AYES:

NOES:

ABSENT:

\_\_\_\_\_

Katie Rice  
Chairperson of the Board of Directors

ATTEST:

\_\_\_\_\_

Cindy Chavez  
Secretary of the Board of Directors

MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson David Canepa and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 14, 2019

Re: Fiscal Year Ending (FYE) 2020 Transportation Fund for Clean Air (TFCA) Program  
Funding Allocation

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**RECOMMENDED ACTION**

Recommend the Board of Directors:

1. Approve the proposed allocation of \$14 million in new Transportation Fund for Clean Air (TFCA), monies to the programs and projects listed in Table 1;
2. Authorize the proposed cost-effectiveness limits for the Bay Area Air Quality Management District (Air District) -sponsored programs and projects listed in Table 2; and
3. Authorize the Executive Officer/APCO to enter into funding agreements and contracts up to \$100,000 for projects and programs listed in Table 1.

**BACKGROUND**

On-road motor vehicles, including cars, trucks, and buses, constitute the most significant sources of air pollution, including unhealthy levels of ozone (summertime "smog") and particulate matter (PM), in the Bay Area. With nearly 6 million on-road motor vehicles in the region, tailpipe emissions account for more than 40% of criteria air pollutants and about 36% of greenhouse gases (GHG) generated in the Bay Area<sup>1,2</sup>. For this reason, emission reductions from the on-road transportation sector are essential to attaining state and federal ambient air quality standards and to meeting the region's GHG reduction commitments.

In 1991, the California State Legislature authorized the Air District to impose a \$4 surcharge on motor vehicles registered in the nine-county Bay Area to fund projects that reduce on-road motor vehicle emissions within the Air District's jurisdiction. The statutory authority for the TFCA and requirements of the program are set forth in California Health and Safety Code Sections 44241 and 44242. Each year, the Air District's Board of Directors (Board) allocates funding and adopts

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<sup>1</sup> BAAQMD, [Bay Area Emissions Inventory Summary Report: Criteria Air Pollutants Base Year 2011](#), May 2014.

<sup>2</sup> BAAQMD, [Bay Area Emissions Inventory Summary Report: Greenhouse Gases Base Year 2011](#), January 2015.

cost-effectiveness criteria that govern expenditure of TFCA funding and maximize emissions reductions and public health benefits.

TFCA provides financial incentives to Bay Area residents and businesses to help offset a portion of the cost to implement eligible projects that reduce emissions from on-road motor vehicles. Sixty percent of TFCA funds are awarded by the Air District to eligible projects and programs implemented directly by the Air District (e.g., Spare the Air, Charge! Program) and to a program referred to as the TFCA Regional Fund. The remaining forty percent of TFCA funds are passed-through to the County Program Manager Fund based on each county's proportionate share of vehicle registration fees paid and awarded by the nine designated agencies within the Air District's jurisdiction.

This report discusses the proposed allocation of the new TFCA monies that will accrue and be available for distribution in FYE 2020 by the Air District and the proposed updates to cost-effectiveness limits for the FYE 2020 Air District-sponsored TFCA-funded programs and projects.

## DISCUSSION

In developing this recommendation, staff considered input received from stakeholders and assessed eligible incentive program options to determine which are the most effective at reducing criteria emissions in the region to help achieve the criteria and GHG emissions reduction goals outlined in both the Air District's 2017 Clean Air Plan and Diesel Free by '33 initiative.

For FYE 2020, approximately \$14 million in new TFCA monies will be available for distribution by the Air District for programs and projects. Staff is recommending that these new monies be allocated to the program categories listed below in Table 1. The estimate for new revenue, shown in column A, was developed based on the amount of Department of Motor Vehicles (DMV) revenue received in 2018 and 2017. Column B in Table 1 shows the approximate \$18.30 million in carryover funds that are available to augment the new revenues and the proposed allocation by program category in FYE 2020. Carryover funds are unobligated TFCA funds from prior years and from projects that were recently completed under budget or canceled. In addition, an estimated \$1.62 million is available for administrative and audit related costs.

**Table 1 - Proposed Programs and TFCA Funding Allocation for FYE 2020 (in Millions)**

Program Categories	(A) Estimated New TFCA Monies	(B) Estimated Carryover	(C) Estimated Total Funds Available in FYE 2020
Trip Reduction	\$5.96	\$3.00	\$8.96
Clean Air Vehicles	\$5.50	\$15.30	\$20.80
Spare the Air	\$2.31	\$0.00	\$2.31
Enhanced Mobile Source & Commuter Benefits Enforcement	\$0.08	\$0.00	\$0.08
Vehicle Buy Back	\$0.15	\$0.00	\$0.15
<b>Total Funding Available for Projects and Programs:</b>	<b>\$14.00</b>	<b>\$18.30</b>	<b>\$32.30</b>
Admin & Audit	\$1.62	\$0.00	\$1.62

The following narrative provides additional information on the proposed FYE 2020 Regional Fund and Air District-sponsored programs and projects listed in Table 1.

- ***Trip Reduction***

Reducing single occupancy motor vehicle trips is a key strategy to reducing mobile source emissions. For more than 25 years, TFCA revenues have been used to fund trip reduction strategies such as shuttle/feeder bus and ridesharing services, which help shift Bay Area residents and commuters to mass transit and active transportation facilities, which facilitate biking and walking as alternatives to driving for short first- and last-mile trips. However, the emission reduction benefits of trip reduction projects have been declining over time as the region's fleet of passenger vehicles has become significantly cleaner, and at a faster rate than medium- and heavy-duty vehicles that are typically used to provide shuttle services.

Air District staff has been working to address this challenge by refining the methodology used for evaluating projects' cost-effectiveness to ensure that air quality benefits are better captured and by gathering input from stakeholders to identify cost-effective alternatives to fixed-route bus service so that TFCA funds can continue to be used to support trip reduction programs.

For FYE 2020, staff is recommending TFCA funds be allocated to support the following project categories that support trip reduction:

- ***Existing Shuttle and Ridesharing:*** To support existing shuttle/feeder-bus and ridesharing service projects to reduce single-occupancy commuter vehicle trips.



- **Active Transportation Facilities:** To support bikeways and secure bicycle parking projects, such as bicycle racks and lockers, that encourage the increased use of active modes of transportation such as walking, biking, and mode shift away from the use of motor vehicles for short first- and last- mile connection to mass transit.

- **Clean Air Vehicles**

Accelerating the adoption of zero-emission vehicles is the other key strategy to reducing on-road motor vehicle emissions, improving air quality, and reducing reliance on fossil fuels. Electrification of all sectors of transportation, including both light-duty passenger cars and heavy-duty trucks and buses, is essential to reaching these targets and helping the region achieve local, state, and federal criteria pollutants and GHG emissions reduction targets.

Since 2010, more than \$19 million in TFCA funds have been awarded by the Air District to support the deployment of on-road electric passenger cars, trucks and buses, and charging infrastructure. To date, this investment will result in the deployment of more than 1,500 passenger electric vehicles, 200 heavy-duty vehicles, 4,400 publicly available level 2 and DC Fast chargers, and over 1,400 residential chargers.

The TFCA-funded incentive programs are also augmented by other Air District efforts to accelerate electric vehicle (EV) adoption in the Bay Area, such as outreach activities and forums to promote new technologies, share best practices, and encourage local agencies to adopt EV-friendly ordinances. The Air District's efforts, in combination with other initiatives, have contributed to the Bay Area's high adoption rate of EVs with more than 180,000 light-duty plug-in EVs being registered to residents and businesses in the region.

For FYE 2020, staff is recommending TFCA funds be allocated to support the following project categories to help accelerate the region's transition to zero-emission vehicles.

- **EV Charging Stations:** To support deployment of publicly available EV chargers throughout the region through the *Charge!* Program. In FYE 2020, special emphasis will be placed on targeting installations in multi-family dwellings, designated chargers for taxi and ride-hail drivers, transit park-and-rides, and impacted communities.
- **Zero-emissions Light-Duty Fleets:** To accelerate the adoption of light-duty zero-emission vehicles that will be operated in the Air District's jurisdiction. In FYE 2020, special emphasis will be placed on targeting carsharing and public agency fleets.
- **Zero-emission Medium- & Heavy-Duty Vehicles and Infrastructure:** To support the purchase of zero-emission trucks and buses and the installation of refueling infrastructure.
- **Clean Cars for All:** To complement a new program that will provide funding to qualifying low-income residents to purchase new and used light-duty EVs and to transition to other clean mobility options.

- **Light-duty Vehicle Hydrogen Fueling Stations:** Approximately \$500,000 from prior year funding is available for award as match to complement funding from California Energy Commission or the Volkswagen Environment Mitigation Trust for the installation, upgrades, and improvements of hydrogen dispensing facilities.

### ***Other Air District - Sponsored Programs***

For FYE 2020, staff is recommending TFCA funds also be used to reduce motor vehicle trips and accelerate the adoption of clean air vehicles via the following Air District-sponsored programs.

- ***Spare the Air:*** To provide funding to support this public outreach program for the summer ozone season to conduct advertising, media, and educational activities and to reduce vehicle miles traveled and emissions by behavior modification.
- ***Enhanced Mobile Source Inspections & Commuter Benefits Program:*** To support the enhanced inspection patrols to report smoking vehicles and enforcement of the state's drayage truck regulation and related truck/mobile source regulations conducted at, and adjacent to, the Port of Oakland. Funds may also be used to support the Air District's implementation of the Commuter Benefits Program, including performing education, outreach, monitoring, and tracking of Bay Area employers subject to the program, and conducting compliance assistance and outreach to companies and government agencies.
- ***Vehicle Buy Back:*** To support administrative and marketing efforts undertaken by the Air District's contractors to implement this voluntary grant program that pays \$1,000 to residents who scrap an operable and registered model year 1996 or older vehicle. This funding augments approximately \$7 million annually in funding from the Carl Moyer and Mobile Source Incentive Fund programs, which provide the project funding for this program.

### ***TFCA Cost-Effectiveness***

The TFCA authorizing legislation requires the Air District to adopt cost-effectiveness criteria to maximize emissions reductions and public health benefits. Cost-effectiveness (C/E) is one of the key criteria that are used to evaluate and select projects to be funded by TFCA<sup>3</sup>. In addition to reducing these criteria pollutants, TFCA-funded projects have other benefits such as conserving energy and reducing GHG emissions; reducing traffic congestion; improving quality of life for residents and commuters by expanding access to services that provide first- and last-mile connections to rail, ferry, and mass transit; and improving physical fitness and public safety by facilitating active modes of transportation such as walking and biking.

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<sup>3</sup> C/E is calculated by dividing TFCA funds awarded by the sum of surplus emissions reduced of reactive organic gases (ROG), nitrogen oxides (NOx), and weighted particulate matter (PM10) over the project operational period (POP).

For programs and projects sponsored directly by the Air District in FYE 2020, staff recommends maintaining the same C/E limits that were approved by the Board for FYE 2019 with one exception. The C/E limit for publicly available charging stations has historically been \$250,000, except for charging stations that are paired with new renewable power or charging stations at multi-dwelling units (MDUs), transit stations, and park and ride lot facilities, for which the CE limit has been increased to \$500,000. For FYE 2020, staff is proposing to expand the \$500,000 C/E limit to all categories of eligible EV charging projects in order to help fill the gaps of the Bay Area’s EV charging network. The proposed cost-effectiveness limits and POP for each of the Air District sponsored programs is shown in Table 2:

**Table 2 – Proposed Cost-Effectiveness and POP for Air District Sponsored Programs**

Program Categories	Max. C/E	POP	Notes
	(per ton of emissions reduced)	(in Years)	
<b>Bicycle Racks (BRVP)</b>	<b>\$250,000</b>	3	No Change
<b>EV Charging Stations</b>	<b>\$500,000</b>	4	Increased Max. C/E
<b>Spare the Air</b>	<b>\$90,000</b>	1	No Change
<b>Enhanced Mobile Source &amp; Commuter Benefits Enforcement</b>	<b>\$90,000</b>	1	No Change
<b>Vehicle Buy Back</b>	<b>\$90,000</b>	3	No Change

For the programs and projects that will be offered under the Regional Fund, staff will return to the Mobile Source Committee with a recommendation for C/E limits later this Spring.

***Administration***

Staff is proposing that the Executive Officer/APCO continue to approve TFCA Grant Agreements with individual grant award amounts up to \$100,000. TFCA projects with grant award amounts over \$100,000 will continue to be brought to the Committee for consideration at least on a quarterly basis.

**BUDGET CONSIDERATION / FINANCIAL IMPACT**

None. The Air District distributes “pass-through” funds to grantees on a reimbursement basis. Administrative costs for the TFCA Regional Fund program are provided by the funding source.

Respectfully submitted,

Jack P. Broadbent  
Executive Director/APCO

Prepared by: Chengfeng Wang and Mark Tang

Reviewed by: Karen Schkolnick and Ranyee Chiang

MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
Memorandum

To: Chairperson David Canepa and Members  
of the Mobile Source Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 14, 2019

Re: Electric Vehicle (EV) Ecosystem Update: Status of Light-Duty EV Adoption in the  
Bay Area

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RECOMMENDED ACTION

None; receive and file.

BACKGROUND

As part of its deliberations, the Mobile Source Committee (Committee) received several presentations in 2018 on the light- and heavy duty electric vehicle (EV) ecosystem in the Bay Area. In order to expand upon and disseminate the information in those presentations, the Committee requested that staff prepare a comprehensive written report on the status of EVs in the Bay Area.

DISCUSSION

The Bay Area Air Quality Management District (Air District) has invested significant resources to reduce transportation emissions through electric vehicles (EVs). In this memo, electric vehicles are defined as battery electric vehicles (BEVs), hydrogen fuel cell vehicles (FCEVs), and plug-in hybrid electric vehicles (PHEVs). Attachment 1 is a comprehensive report on light-duty EV adoption trends, infrastructure, barriers, and Air District programs to increase EV awareness, equity, and adoption. Across multiple Mobile Source Committee meetings in 2019, staff will provide an overview of the topics covered in this report, including:

- Status of Light-Duty EV Adoption in the Bay Area
- EV Programs: EV Equity
- EV Programs: Incentives and Awareness

This report will be the basis for additional stakeholder review and input in order to develop an update to the 2013 Bay Area EV Readiness Plan: the "Bay Area EV Acceleration Plan." At a future Committee meeting, staff will also provide a similar update on the market for heavy duty EVs and zero-emissions vehicles.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Rebecca Fisher, Tin Le, Ken Mak, Mark Tang, Karissa White, Deanna Yee  
Reviewed by: Ranyee Chiang

Attachment 1: Bay Area Electric Vehicle Ecosystem: 2019 Update for the BAAQMD Board of Directors

MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

**Bay Area Electric Vehicle Ecosystem: 2019 Update**

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MOBILE SOURCE COMMITTEE  
MEETING OF 03/28/2019

## DEFINITIONS

### **Vehicle Types:**

BEV – battery electric vehicle

EV – electric vehicle, including BEV, PHEV, and FCEV

FCEV – hydrogen fuel cell electric vehicle

ICE – internal combustion engine

PHEV – plug-in hybrid electric vehicle

ZEV – zero-emissions vehicle

### **Organizations:**

CARB – California Air Resources Board

CEC – California Energy Commission

PG&E – Pacific Gas and Electric

### **Relevant Terms:**

GHG – greenhouse gases

MSRP – manufacturer's suggested retail price

TCO – a vehicle's total cost of ownership, including purchase cost, repairs, fuel, maintenance, taxes, insurance, finance, incentives, and depreciation

TFCFA – Transportation Fund for Clean Air



## BACKGROUND

The nine-county Bay Area is home to approximately 7.6 million people<sup>1</sup> and 5.3 million light duty vehicles<sup>2</sup>, with an additional 600,000 vehicles passing daily through the region from adjacent areas.<sup>3</sup> Three-quarters of Bay Area residents drive to work (64% drive alone and 10% carpool) and 12% take transit to work.<sup>4</sup> Tailpipe emissions from these light duty vehicles account for approximately 28% of greenhouse gas (GHG) emissions (CO<sub>2</sub>e) and a significant portion of other pollutants (31% of carbon monoxide and 12% of nitrogen oxide) in the Bay Area.

In addition to alternative transit modes that include walking, biking, mass transit, and shared transportation, wide-scale adoption of electric vehicles (EVs) and electrification of all types of transportation are essential to achieving local, State, and Federal emission reduction targets for greenhouse gases and criteria pollutants. California has set a goal of 5 million EVs sold by 2030, and the Bay Area has set a target of 90% of vehicles in the Bay Area being zero emissions by 2050. The Bay Area and California also share the goal to cut greenhouse gas emissions to 80% below 1990 levels by 2050. Rapid growth in the EV market, especially for BEVs, will be a significant part of achieving these goals.

With the first introduction of commercially available light-duty EVs in 2010, the Air District began programs to monitor the EV market and increase EV adoption in the Bay Area. The Air District's efforts have included development and implementation of region-wide EV plans, outreach and awareness activities, and direct financial incentives. This report includes an update of the EV ecosystem, ongoing Air District programs, and future areas of focus to further accelerate EV adoption.

## CURRENT BAY AREA EV ECOSYSTEM

### ***Environmental Benefits***

Compared to internal combustion engine (ICE) vehicles, battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs) emit fewer greenhouse gas emissions (Figure 1). All BEVs and fuel-cell vehicles produce zero direct GHG emissions, while PHEVs produce direct emissions when operating on gasoline. The lifecycle emissions of a BEV depend on the energy mix of the region's grid. For example, the U.S. average emissions from charging a Chevy Bolt is 1.7 times higher than charging in the Bay Area, due to California's high fraction of renewable energy versus coal and natural gas. In recent years, GHG emissions associated with BEVs and PHEVs have decreased because of increased renewable energy generation on the grid (which reduces lifecycle

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<sup>1</sup> *United States Census Bureau, American Community Survey, Demographic and Housing Estimates, 2017*

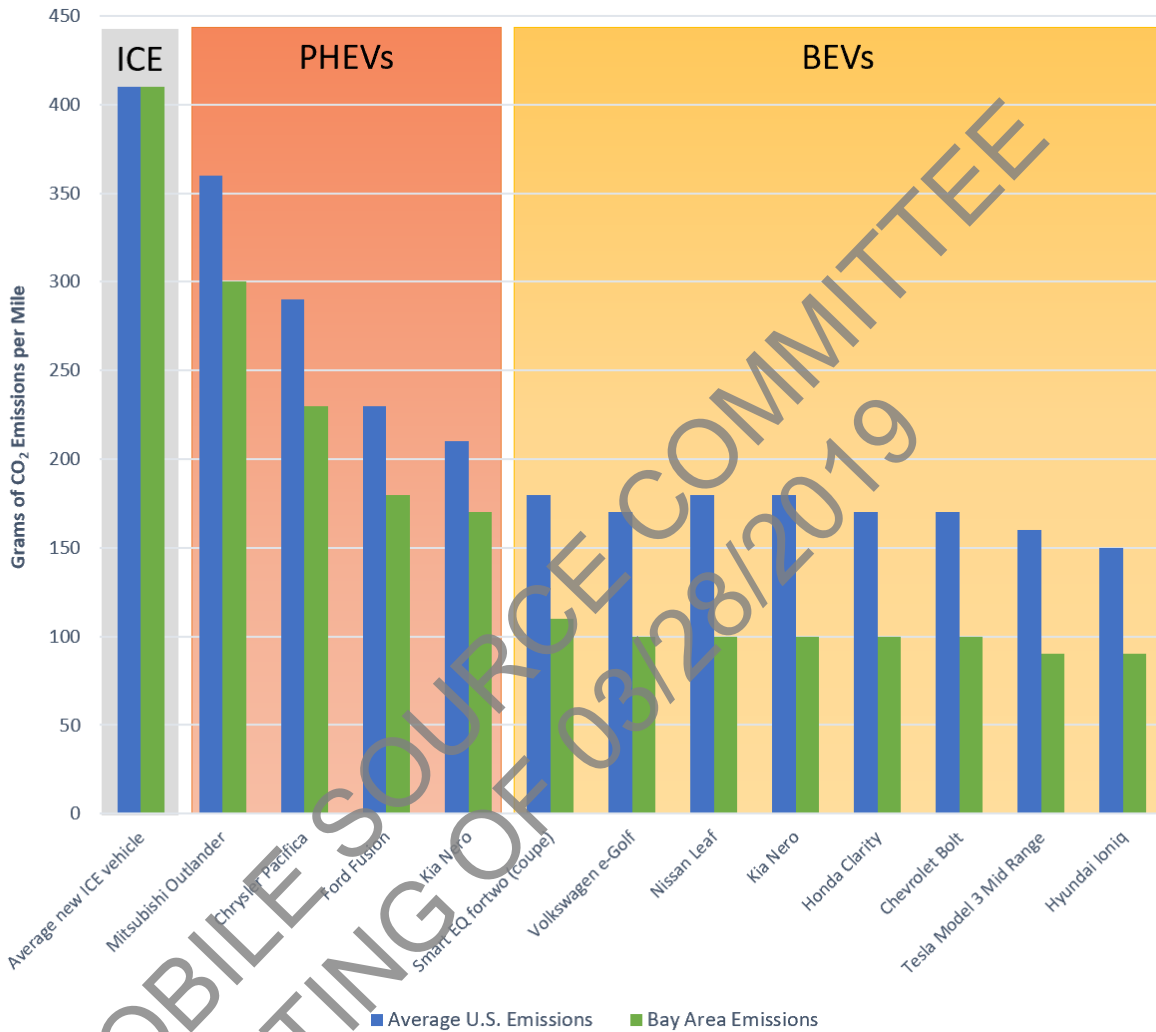
<sup>2</sup> *California Department of Transportation: Estimated Vehicles Registered by County, 2017*

<sup>3</sup> *California Department of Transportation: Annual Traffic Volume Reports (1992-2015)*

<sup>4</sup> *United States Census Bureau, American Community Survey, 2016*

emissions), as well as improvements in vehicle technology (which reduces direct emissions). Further emissions benefits will be realized over time as more of the region’s power grid shifts to renewable energy sources<sup>5</sup> and as battery technologies improve.

Figure 1: Example Vehicle Emissions for EVs in the Bay Area compared to the U.S. Average



Source: [FuelEconomy.gov](http://FuelEconomy.gov), 2019 emissions and models. Bay Area charging emissions data is from Oakland, CA, which is used as a representative city in the Bay Area. The calculator can be used for other Bay Area cities as well.

<sup>5</sup> Environmental Assessment of a Full Electric Transportation Portfolio, Electric Power Research Institute/National Resources Defense Council, September 2015.

### Available Vehicles

Until a few years ago, the availability of EV models was a major hurdle for interested consumers. However, following the implementation of the California's Zero Emission Vehicle (ZEV) Program, the market grew significantly. The ZEV program required auto manufacturers to offer a specific number of EVs in the state and thereby provided drivers more options compared to other states. This requirement, combined with incentives, rebates, and carpool lane access, has made California a leader in the EV automotive market. In 2015, California drivers could choose from 20 different EV models<sup>6</sup>; that number has climbed to 43 EV models in 2019, which includes 20 BEVs and 3 FCEV.

The manufacturer's suggested retail price (MSRP) and battery range of BEVs available in California vary widely (Table 1). While the average MSRP of BEVs has decreased over the past few years, EVs are still priced higher than conventional vehicles, on average. The average BEV MSRP in the U.S. is \$58,000, which is still above the average transaction price for all new light duty vehicles, which is \$37,149.<sup>7</sup> The price differential between conventional vehicles and EVs is seen as a key barrier to EV adoption, particularly for low- and moderate-income households.

Table 1: Availability, Cost, and Range of BEVs Sold in the U.S.

Type of Vehicle	BEVs Available in CA	MSRP	Range
City 2-door	3	\$24,000-\$45,000	84-114 miles
Compact	6	\$29,000-\$38,000	89-238 miles
Sedan	7	\$34,000-\$135,000	111-335 miles
SUV	4	\$37,000-\$140,000	64-100 miles
Pick-up Truck		Expected in 2020	
Minivan		Expected in 2020	

While BEVs have higher MSRPs than conventional vehicles, the difference in purchase price is typically offset by savings on fuel and maintenance, as well as financial incentives. A useful metric to compare the costs of BEVs to conventional vehicles is total cost of ownership (TCO). TCO includes costs incurred by vehicle owners throughout a car's lifecycle, such as repairs, fuel, maintenance, taxes, insurance, finance, and depreciation (Figure 2). BEV's total cost of ownership is lower compared to other vehicle categories (including PHEV) because of less wear on the brakes, fewer moving parts, and availability of incentives.<sup>8</sup> Uncertainty in how battery range and

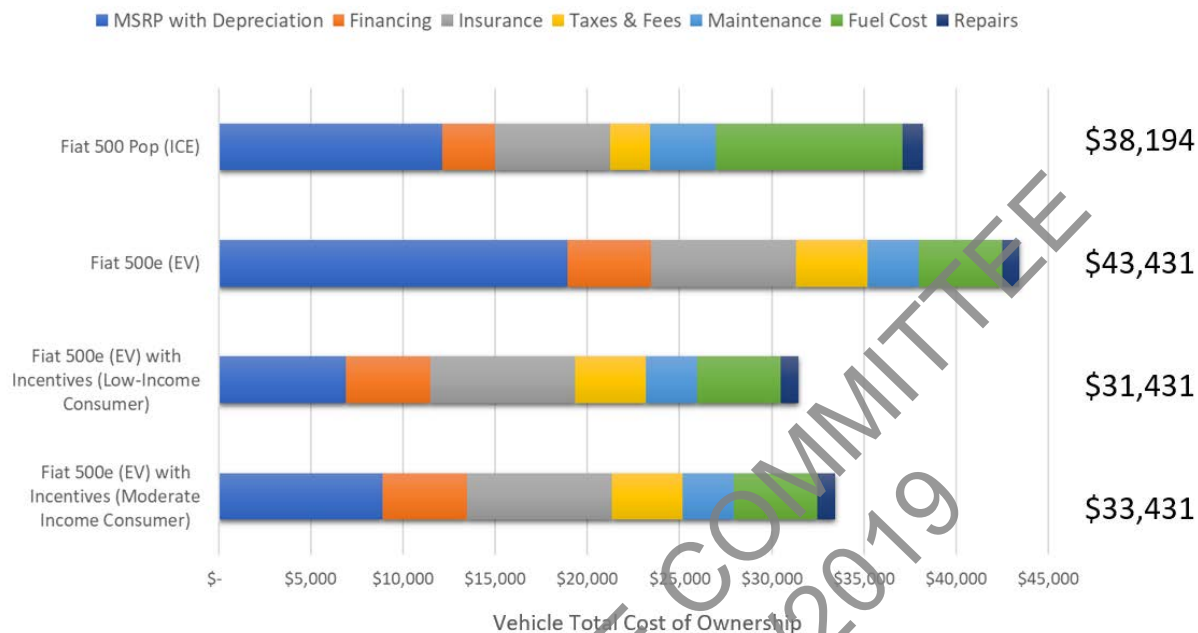
<sup>6</sup> *Electrifying the Vehicle Market (2016)*, Union of Concerned Scientists, August 2016.

<sup>7</sup> *Average New-Car Prices Up More Than 4 Percent Year-Over-Year for January 2019*, Kelly Blue Book, February 2019.

<sup>8</sup> *Total cost of ownership and market share for hybrid and electric vehicles in the UK, US and Japan*, Applied Energy, January 2018.

performance degrades over time is a factor in TCO. However, because of high demand for used EVs in California, the depreciation rate of BEVs has been less than EVs sold in other markets.

Figure 2: Example 5-year Total Cost of Ownership, 2019 ICE vehicle (Fiat 500 Pop) and BEV (Fiat 500e)



Source: Edmunds True Cost to Own calculator

The example presented above shows how federal tax credits (\$7,500) and California rebates (\$4,500 for low-income, \$2,500 for moderate income) together make the electric version of the Fiat 500 cost competitive compared to the ICE version (Figure 2). Results for other EVs are comparable to this example. The federal tax credit is phased out after each manufacturer sells 200,000 vehicles of their electric models. Tesla and General Motors have hit the phase out limit. Other car manufacturers are expected to reach the phase out limit within the next seven years, if current sales trends continue.<sup>9</sup> Around this time frame, Bloomberg New Energy Finance (BNEF) is projecting that EVs will become cost-competitive on an unsubsidized basis.<sup>10</sup> Starting in 2024 and by 2029, most EV models will reach parity with ICE vehicles as battery prices continue to fall (due to economies of scale associated with the increase in mass manufacturing of lithium-ion batteries).

The following automakers have pledged to support the large-scale transition from internal combustion engine vehicles to electric vehicles (Table 2).<sup>11</sup> The commitments include electrifying

<sup>9</sup> Federal EV Tax Credit Phase Out Tracker by Automaker, EVAdoption.com, November 2018.

<sup>10</sup> Electric Vehicle Outlook 2018, Bloomberg New Energy Finance, 2017.

<sup>11</sup> What does automakers commitments to EVs entail, Clean Technica, October 2018.

their entire lineups, increasing the number of EV models available, emissions reduction targets, and phasing out internal combustion engine vehicles.

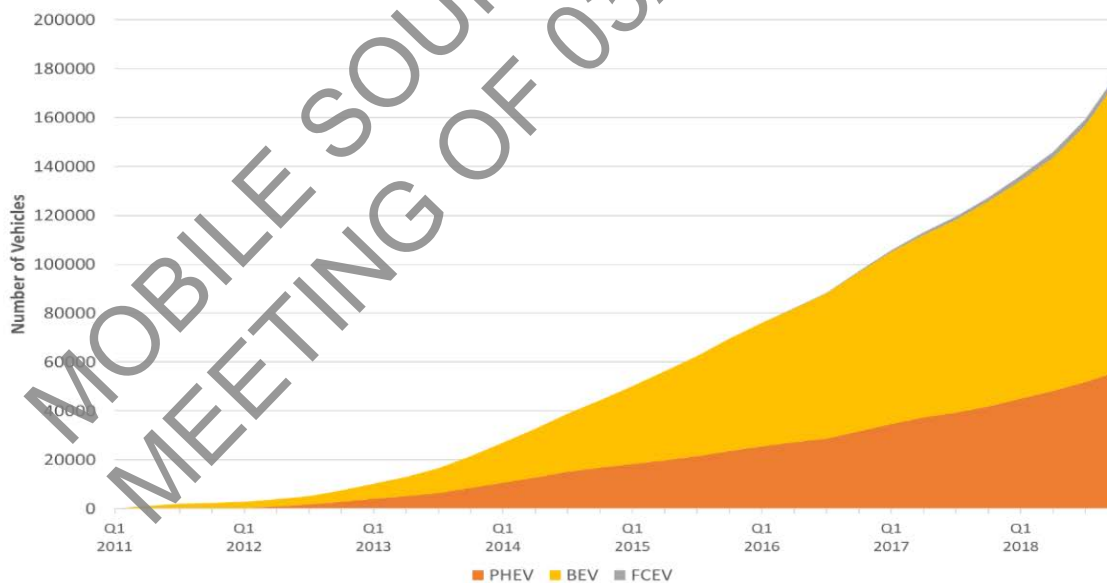
Table 2: Auto Manufacturer EV Commitments

Automaker	Year	Commitment
Volvo	2019	Sell an electrified version of each of its models
Jaguar Land Rover	2020	Sell an electrified version of each of its models
Daimler (Mercedes-Benz)	2022	Sell an electrified version of each of its models and add 10+ BEVs to market
Fiat Chrysler Automobiles	2022	Sell 12 battery-electric, plug-in, and hybrid versions across 30 different lines of vehicles
Ford Motor Company	2022	Sell 40 hybrid and fully electric vehicles
Nissan Motor Company	2022	Sell 12 new zero-emission vehicles through their partnership with Mitsubishi and Renault
General Motors	2023	Sell 20+ battery electric models and committed to an “all-electric future”
Toyota Motor Company	2025	Sell an electrified version of each of its models
Honda Motor Company	2030	Sell an electrified version of 2/3 of its models
Volkswagen Group	2030	Sell an electrified version of each of its models
Toyota Motor Company	2050	Eliminate almost all CO <sub>2</sub> emissions from new Toyota vehicles

### Adoption and Sales

Using a conservative estimate from data from the CVRP program, at the end of 2018, the Bay Area had more than 180,000 EVs, representing 3% of the region’s fleet.<sup>12</sup> The Bay Area has generally had about 50% of EVs in California and one quarter of the EVs in the US. The Bay Area market saw a massive increase in EV sales, growing 68% from 2017 to 2018. (Figure 3).

Figure 3: EVs (PHEV, BEV, and FCEV) in the Bay Area

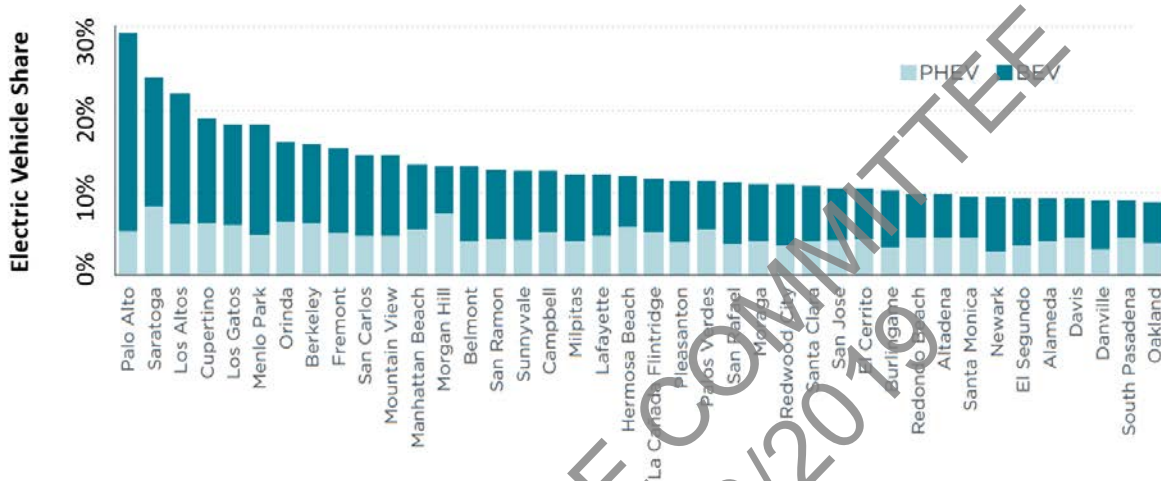


Source: Clean Vehicle Rebate Program (January 2019)

<sup>12</sup> Program Statistics, Clean Vehicle Rebate Program, January 2019

The San Francisco and San Jose metropolitan areas, ranked among the top four markets nationally in terms of electric vehicle sales share in 2017, and accounted for 13% and 7% of sales in the national EV light-duty market, respectively.<sup>13</sup> During 2017, 30 of the top 40 California cities for EV sales were in the Bay Area, ranging from 9% to 29% of market share (Figure 4). Cities that have percentages of electric vehicles sold also tended to have a much higher proportion of BEVs.<sup>13</sup>

Figure 3: Top California Cities for New EV Market Share in 2017

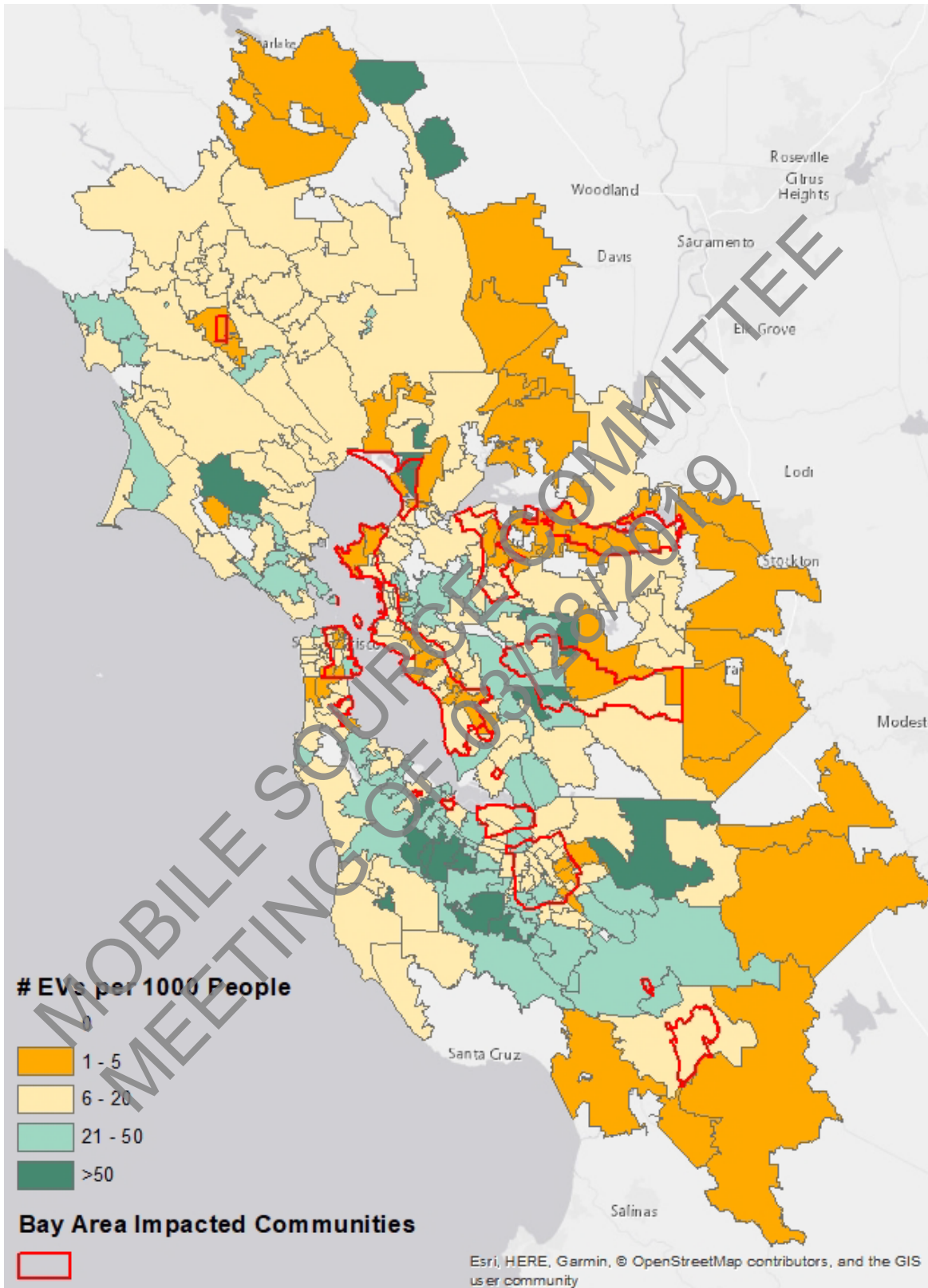


Source: ICCT, Vehicle registrations from IHS Automotive

Other areas in the Bay Area have significantly lower rates of EV adoption (Figure 5). Expanding EVs beyond early adopters and to all geographies and demographics is critical to achieve the Bay Area and California’s goals for reductions in greenhouse gas emission. EVs also offer savings on fuel and maintenance as well as an improved driving experience, which can benefit all Bay Area residents.

<sup>13</sup> California’s continued electric vehicle market development, The International Council on Clean Transportation, May 2018.

Figure 4: Bay Area EV Adoption Map, with Impacted Community Boundaries Highlighted



### Charging Infrastructure

The availability of charging infrastructure is a critical factor influencing the number of people who switch to EVs. Publicly accessible EV chargers are needed to support the growing number of EV drivers, especially for long-distance trips and for drivers that do not have access to private home chargers. Determining the correct charger types for charging locations is also an important decision to maximize efficiency, cost-effectiveness and provide the convenience that EV drivers want and need. In many instances, a mix of charger types will be appropriate.

Charging stations are categorized by the power output into Level 1, Level 2, DC Fast, and DC Ultra-Fast (Table 3). Level 1 and Level 2 chargers are appropriate for locations where users dwell for longer periods of time, such as at workplaces, and destinations such as parks and transit park-and-ride lots. DC fast chargers can quickly charge EVs within an hour and are best suited for drivers that are making longer trips, or for situations in which a quick charge is required to resume work such as for taxis, transportation network companies, or fleets. Recently, higher powered DC Ultra-Fast chargers have been deployed, although to date, only a few vehicles can accept these higher power outputs. It is anticipated as EV battery technology advances improving EV ranges, higher powered chargers will be helpful to support future EV technology.

Table 3: Types of EV Chargers

	Level 1	Level 2	DC Fast	DC Ultra-Fast
<b>Electric Output (kW)</b>	1.4	6.2+	50+	80+
<b>Ideal charging locations</b>	Home, Long-term Parking Lots, Overnight	Workplace and Destination such as parks	Quicker charging at grocery stores & near highways	Extremely quick charging at grocery stores & near highways
<b>Approximate time to fully charge*</b>	8+ hours	2-8 hours	20 minutes-1 hour	20 minutes-1 hour

\* Charging times vary based on the size of batteries. As newer EVs increase battery sizes to support longer ranges, charging times may increase.

In addition to power outputs, charging stations can also appear with multiple ports so one charger may connect to multiple vehicles for charging. Depending on site design and anticipated utilization, single versus dual-port chargers are a consideration.

There are currently 1,600+ charging locations with 7,500+ publicly available ports in the Bay Area (Figure 6). Of those publicly available ports, the vast majority are L2 charging ports (87%). A smaller portion (11%) are DC Fast charging ports (Figure 7).



Figure 5: Publicly Accessible EV Charging Stations in the Bay Area

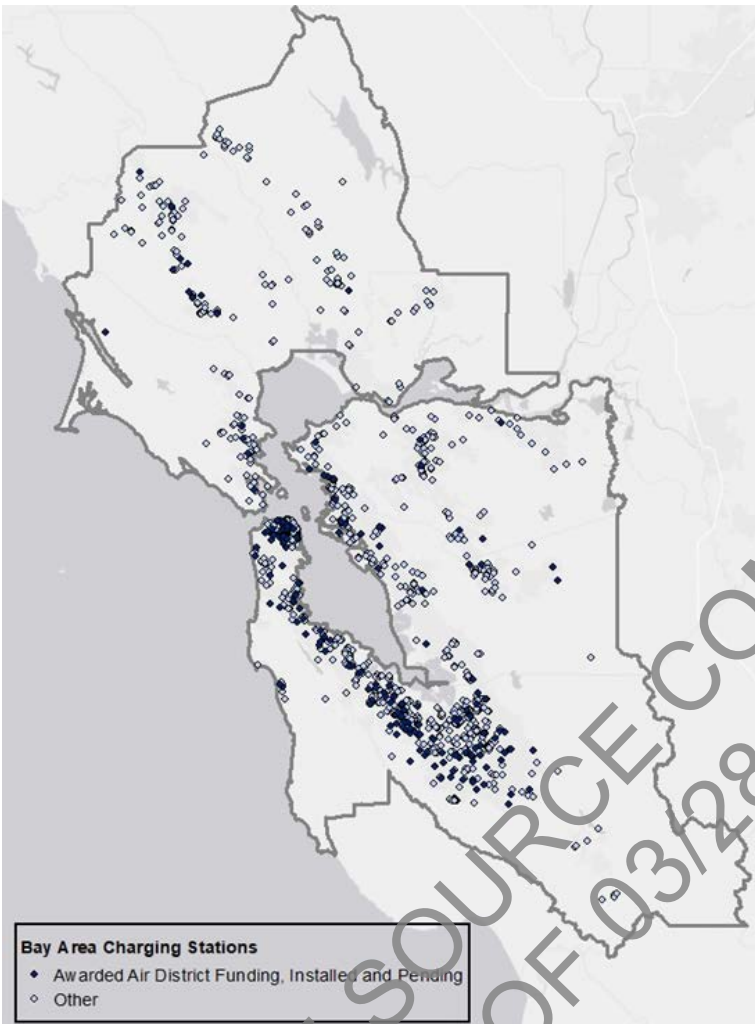
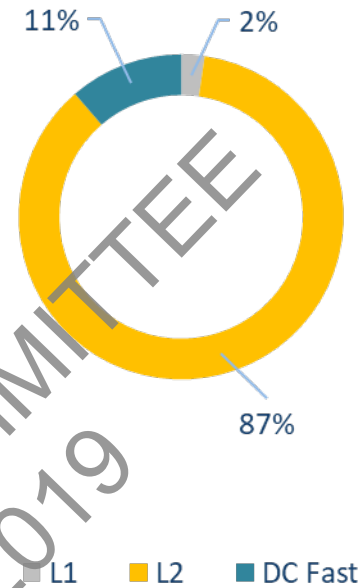


Figure 6: Publicly Accessible EV Charging Ports by Type

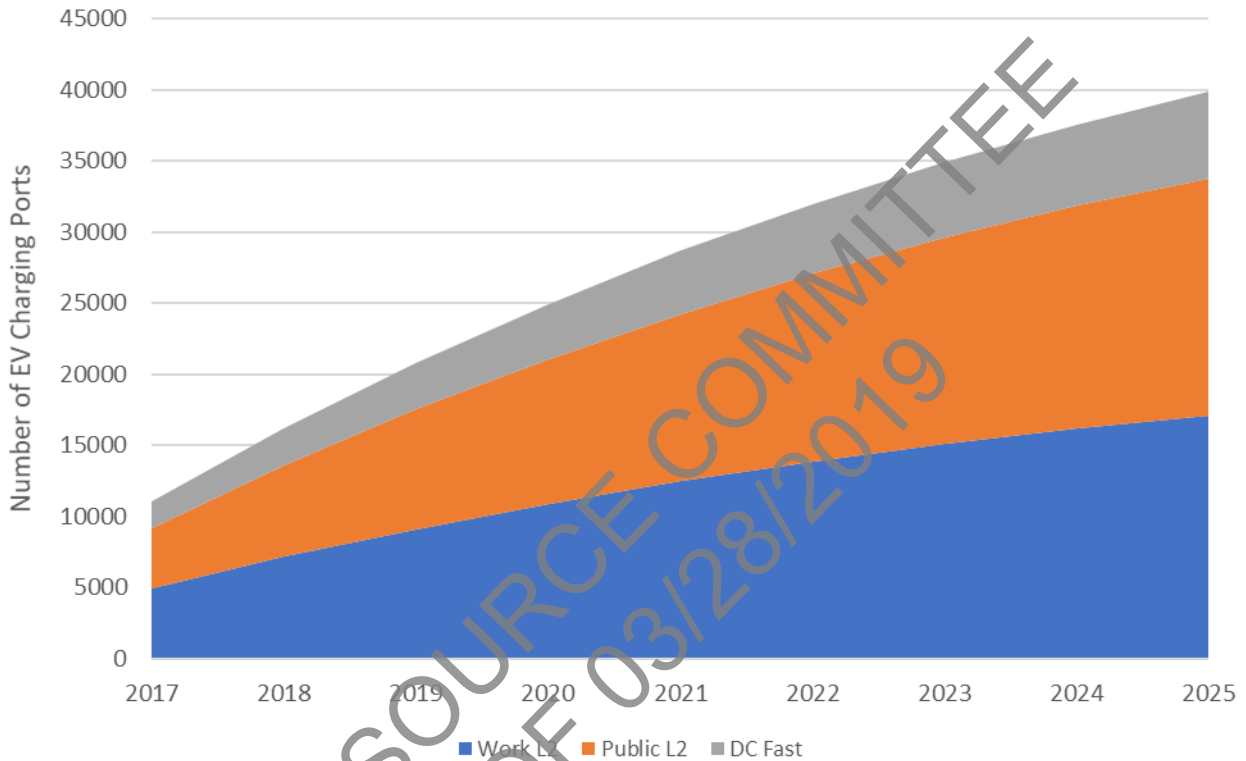


Source: Alternative Fuels Data Center and Charge! Program (BAAQMD)

Additional charging stations will be needed to accommodate future growth in the EV market, especially to achieve the ambitious Bay Area goals and to accommodate a wider range of Bay Area residents. There have also been anecdotal reports that current charging stations are often full, which indicates that additional charging station capacity is needed even for the current number of EV drivers. The National Renewable Energy Laboratory (NREL) and California Energy Commission (CEC) developed a computer simulation tool, Electric Vehicle Infrastructure Projection (EVI Pro), which uses the results of a state-wide transportation habits survey to quantify the charging infrastructure needed to ensure that future EV drivers can meet their transportation needs. This analysis accounts for projections for vehicle and charger technologies, user demographics and market adoption conditions, the shared-use of chargers, and travel and charging

preferences.<sup>14</sup> Over 20,000 public charging ports are estimated to be needed in 2019 (9,100 workplace L2, 8,400 public L2, and 3,300 DC Fast) (Figure 8). To stay on track with our goals, by 2025, the Bay Area is estimated to need about 40,000 public charging ports (17,000 workplace L2, 17,000 public L2, and 6,000 DC Fast).

Figure 7: Projected Need for PHEV and BEV Charging Infrastructure in the Bay Area



Source: National Renewable Energy Laboratory, CEC EV Infrastructure Projection Tool (EVI-Pro)

Widespread charging infrastructure will be key to overcoming current and future barriers to electric vehicle adoption. An individual or household's need for public charging infrastructure is related to home type, with drivers in single-family homes being much more likely to have home charging than those in apartments or multi-unit dwellings. Electric vehicle owners so far tend to live in single-family homes.<sup>15</sup> To extend the EV market beyond those living in single-family homes, we will have to expand charging available at multi-unit dwellings and public charging

<sup>14</sup> California Plug-In Electric Vehicle Infrastructure Projections: 2017-2025, California Energy Commission, March 2018

<sup>15</sup> Quantifying the electric vehicle charging infrastructure gap across U.S. markets, the International Council on Clean Transportation, January 2019.

infrastructure. In the Bay Area, over one-third (36%) of housing units are in multi-unit dwellings.<sup>16</sup> Installing charging infrastructure has been more challenging for multi-family housing, requiring away-from-home charging options for a significant portion of the Bay Area population. The need for drivers to take longer-distance trips and with a wide range of transportation patterns also requires public charging.

### ***Consumer Sentiments***

Based on recent studies and surveys, as well as anecdotes from our partners, Air District staff is highlighting three concerns that significantly influence consumer sentiment (or lack of knowledge) related to EVs: cost, range anxiety, and awareness of vehicles and infrastructure.

As mentioned above, the upfront cost (MSRP) for most EVs is higher than similar conventional vehicles, and only slightly competitive when incentives and total cost of ownership are considered. The higher upfront cost of EVs turns off many cost-sensitive consumers who may have originally considered an EV. While luxury brands like Tesla have increased the visibility and “cool factor” of EVs, they have also contributed to a perception that EVs are for the wealthy, and therefore must be expensive. Many consumers don’t initially see EVs as a smart economic decision.

For consumers who are not EV drivers, range anxiety is one of the most common concerns, particularly for consumers without charging options at or near their home. Consumers often overestimate the range they need in a vehicle and are therefore cautious when considering fully electric models. While the average Californian travels less than 30 miles a day, survey data shows that consumers think they need upwards of 300 miles of range.<sup>17</sup> Increases in battery range and the number of charging stations will help address range anxiety, but to truly shift consumer sentiment, more EV education, understanding actual transportation needs, and charging station signage are needed.

The previous concerns are seen among individuals who have at least some awareness of EVs. A recent study of Californian consumers found that despite a near doubling in the number of EV models in California between 2014 and 2017, fewer survey respondents were able to name an EV for sale in 2017 than in 2014.<sup>18</sup> Consumers who were aware of EVs thought of them as small compact cars, that might not fit their lifestyle the way a crossover, SUV, or minivan would. Additionally, consumers’ awareness of public charging stations barely shifted from 2014 to 2017, even though public EV chargers in California jumped from 5,700 in 2014 to more than 11,500 by 2017. The study concluded that Californians are not actively avoiding EVs, they are simply unaware of EVs, which speaks to the importance of increased EV marketing and outreach.

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<sup>16</sup> *American Fact Finder*, United States Census Bureau, January 2019.

<sup>17</sup> *The Barriers to Acceptance of Plug-in Electric Vehicles: 2017 Update*, National Renewable Energy Laboratory, 2017.

<sup>18</sup> *Automakers and Policymakers May Be on a Path to Electric Vehicles; Consumers Aren’t*, UC Davis, 2017.

## POLICIES, PROGRAMS, AND INCENTIVES

Federal, state, regional, and local governments have taken important steps to address key barriers to EV adoption and infrastructure. Government actions to accelerate EV adoption include goals for EV adoption, financial and nonfinancial incentives, supporting public charging infrastructure, marketing materials and campaigns, public ride-and-drive events, and building codes and other policies. These policies and programs seek to overcome perceived and actual consumer barriers related to higher upfront costs, electric range, and awareness and understanding. Data collected by the International Council on Clean Transportation showed that these local and state governments and utilities programs have been generally successful.<sup>19</sup>

The following tables list the key state, regional, and local targets, plans, standards, campaigns and incentives relevant to the Air District’s jurisdiction (Tables 4 - 8). There are many EV efforts in place or under development within the Bay Area that help the EV market grow, but this proliferation of programs has also increased the need for coordination among EV-focused agencies and organizations.

*Table 4: Bay Area and California Targets Relevant to EVs*

<i>Bay Area</i>	Reduce GHG emissions 80% below 1990 levels by 2050 (Air District 2017 Clean Air Plan)
	90% of Bay Area vehicles are zero-emissions by 2050 (Air District 2017 Clean Air Plan)
<i>California</i>	Reduce GHG emissions to 40% below 1990 levels by 2030 and 80% below 1990 levels by 2050 (AB32/SB32)
	Zero Emission Vehicle Program, requires auto manufacturers to sell electric cars, tied to the auto manufacturer’s overall sales within the state
	Low Carbon Fuel Standard, requires the carbon content of fuels to decrease 10% from 2010 levels by 2020
	5 million ZEV’s on road by 2030 (Executive Order B-48-18)
	Install 250,000 EV chargers and 200 hydrogen refueling stations by 2025 (Executive Order B-48-18)

*Table 5: Bay Area and California Plans Relevant to the EV Market*

<i>Bay Area</i>	Bay Area Plug-in EV Readiness Plan (2013)
	Plan Bay Area 2040
<i>California</i>	2016 ZEV Action Plan
	2018 ZEV Action Plan – Priorities Update
	SB 375/Sustainable Communities Strategies

<sup>19</sup> *Expanding the Electric Vehicle Market in U.S. Cities*, the International Council on Clean Transportation, 2017.

Table 6: Building Code Requirements for EV Infrastructure (California Green Building Standards (CALGreen) and Bay Area Jurisdictions with Additional Requirements)

	Multi-Family	Single Family	Non-Residential
<b>CALGreen Code Requirements for EV Capable Parking</b>	10% of parking spaces	100% of attached private garages	6% of parking spaces
City			
Berkeley	✓		
Burlingame	✓	✓	
Contra Costa County	✓		✓
Cupertino	✓	✓	✓
Emeryville	✓		
Fremont	✓	✓	✓
Marin County	✓	✓	✓
Menlo Park	✓		✓
Mountain View	✓		✓
Oakland	✓		✓
Palo Alto	✓	✓	✓
San Mateo	✓		✓
San Francisco	✓		✓
San Rafael	✓	✓	✓
Santa Clara County	✓	✓	✓
Santa Rosa	✓		
Sunnyvale	✓	✓	

Source: ChargePoint (2018), "EV Capable" requires raceway and panel capacity.

Table 7: S Currently Available EV Rebates and Incentives Available in the Bay Area

<i>Electric Vehicle</i>	California Clean Vehicle Rebate (CSE and CARB)
	Clean Cars for All (Air District and CARB)
	Clean Vehicle Assistance Program (Beneficial State Foundation and CARB)
	DriveEV (Sonoma Clean Power)
	Federal tax credit
	MCEv Program (Marin Clean Energy)
<i>Charging Infrastructure</i>	CALeVIP (CSE and CEC)
	Charge! (Air District)
	Clean Fuel Rebate (PG&E)
	EV Charge Network (PG&E)
<i>Other</i>	California Air Vehicle Decals – HOV Lane Usage (DMV)
	Charge Now (BMW))
	No Charge to Charge (Nissan)

Table 8: EV Awareness Campaigns and Initiatives

<i>Bay Area</i>	Center for Sustainable Energy (Experience Electric – The Better Ride)
<i>California</i>	Charge Across Town
	Plug in America
	Veloz (Electric for All, Best Drive Ever)
<i>National</i>	Electrify America
	Plug in America

### AIR DISTRICT PROGRAMS

Since EVs first came onto the market, the Air District has been focused on monitoring the market, developing plans, conducting outreach, and offering incentives to build up the charging infrastructure and support early EV adopters. The initial Air District programs were designed to complement other ongoing EV efforts, develop understanding and prepare for a new market, address the lack of public EV charging infrastructure, offset the higher initial costs, and support Bay Area residents, local governments, and businesses to test out new technologies.

Table 9: Air District EV Programs

2013 Bay Area EV Readiness Plan	<a href="http://www.baaqmd.gov/plans-and-climate/bay-area-pev-program/bay-area-pev-ready">www.baaqmd.gov/plans-and-climate/bay-area-pev-program/bay-area-pev-ready</a>
Bay Area EV Council	<a href="http://www.baaqmd.gov/plans-and-climate/bay-area-pev-program">www.baaqmd.gov/plans-and-climate/bay-area-pev-program</a>
Charge!	<a href="http://www.baaqmd.gov/charge">www.baaqmd.gov/charge</a>
Clean Fleets	<a href="http://www.baaqmd.gov/cleanfleets">www.baaqmd.gov/cleanfleets</a>
Clean Cars for All (new)	<a href="http://www.baaqmd.gov/cleancarsforall">www.baaqmd.gov/cleancarsforall</a>

### **Planning**

In 2013, the Air District partnered with the Metropolitan Transportation Commission (MTC) and other electric vehicle stakeholders to develop and publish the Bay Area Plug-In Electric Vehicle Readiness Plan. Based on research, analysis, and public input, the 2013 plan included:

- Projections for EV ownership and deployment; barriers to EV ownership, deployment, and recommendations to eliminate barriers in private and public fleets, including recommendations for future incentive programs;
- Key strategic zones/areas for deployment and types of charging stations for regional EV charging infrastructure;
- Best practice recommendations for local government regarding their EV readiness and friendliness with respect to regional coordination, permitting and inspection practices, zoning and parking rules, local ordinances, and building codes;
- Integration of the Regional PEV Plan into the Bay Area’s Sustainable Communities Strategy (SCS) plan (Plan Bay Area 2040).

Based on this plan, the Air District developed incentives and coordination activities to help get the Bay Area ready for the introduction of new EV technologies and demonstrate the viability of EVs.

### **Incentives**

Since 2010, the Air District’s Board of Directors has awarded over \$19 million through incentive programs to target the identified barriers to EV adoption. Many of these incentives have leveraged additional investments from other organizations such as PG&E’s Charge Network, Marin Clean Energy’s MCEv Charging Program, California’s Clean Vehicle Rebate Program, and the federal EV tax credit. Air District staff continue to identify other opportunities to leverage other incentive programs to reduce the costs for Bay Area residents, businesses, and local government. To date, the Air District has awarded projects that support the installation of more than: 1,500 passenger electric vehicles, 4,400 publicly available Level 2 and DC Fast chargers (Figure 7), and over 1,400 residential chargers.

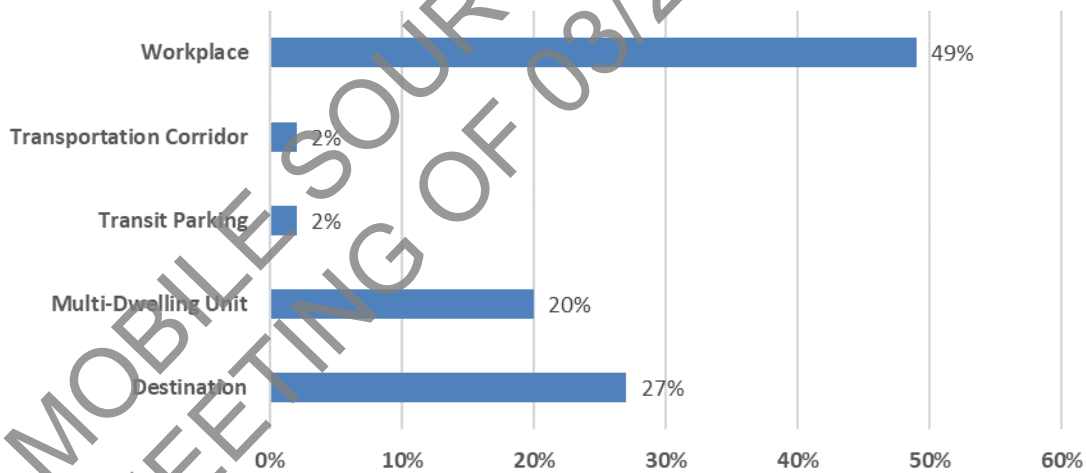
Since 2016, the Air District has administered the Charge! Program, which provides funding for the purchase and installation of publicly accessible charging stations in the Bay Area. This Program is open to organizations including government entities, non-profits, and businesses. The

Charge! Program provides fixed award amounts per each charging unit installed. For example, a Level 2 charging station is eligible for up to \$3,000 in funding and a DC fast charging station is eligible for up to \$18,000. Additional “plus-up” funding is available to promote ancillary benefits and reduce costs at project locations where there are higher barriers to implementation. These plus-up categories have included co-locating renewal energy generation such as wind or solar or installing charging at multi-unit dwellings.

The Clean Fleets Program opened in August 2018. This program provides funding to purchase or lease new zero-emission vehicles such as EVs (including electric motorcycles) and fuel cell vehicles. Similar to the Charge! Program, the Clean Fleets Program is open to government entities, non-profits, and businesses. Up to \$2,500 is available in incentive funds per vehicle and up to \$5,000 per motorcycle because emissions from conventional motorcycles are high.

Both the Charge! and Clean Fleets Programs are supported by funding from the Transportation Fund for Clean Air (TFCA), a \$4 surcharge on California Department of Motor Vehicle registrations in the Bay Area. Since 2016, over \$7.6 million has been awarded to Charge! Program projects to support the installation of over 2,900 publicly accessible charging stations in the Bay Area. Most chargers funded through the Charge! Program were installed or planned at workplace facilities, with other projects at transportation corridors, transit parking and multi-unit facilities (Figure 9). Future iterations of the Charge! Program may include additional incentives to increase EV charging station installations at underrepresented facility types or in impacted communities.

Figure 8: Awarded Charge! Projects by Facility Type from 2016-2018



Source: Bay Area Air Quality Management District (February 2019)

As the Charge! Program has grown, the utilization of Air District-funded stations has increased (Figure 10 and Figure 11). By the end of 2018, Air District-funded stations delivered over 1.6 GWh of electricity to EVs per year and is equivalent to reducing gasoline use by over 128,000



gallons or reducing ICE vehicle travel by 2.8 million miles.<sup>20</sup> In addition, the annual energy delivered per charger increased between 2016 and 2018. This is likely due to higher EV adoption, as well as the presence of additional charging stations. To maximize cost effectiveness of the Charge! Program, the energy delivered per charge will need to continue to increase. Because the Charge! projects are monitored for at least three years and the first projects were only awarded in 2016, usage data will continue to be collected for current and future projects. The initial trends in the usage data indicate we are on track to achieve higher usage levels. These trends also confirm the high and growing demand for publicly accessible chargers.

Figure 9: Total Annual Energy Dispensed (kWh) from Charge! Projects Installed

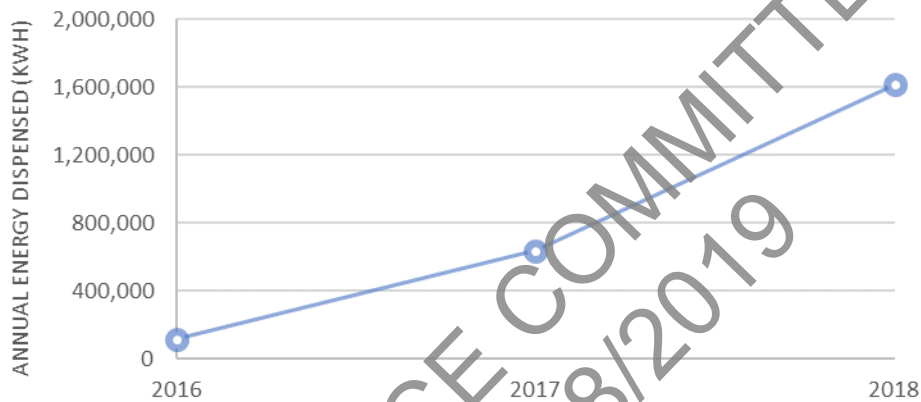


Table 10: Total Reduced Gasoline and Vehicle Miles Traveled from Charge! Projects Installed

Year	2016	2017	2018
Gallons of Gas Equivalent	9,052	50,722	128,481
Vehicle Miles Travelled Equivalent	196,692	1,102,122	2,791,703

<sup>20</sup> Greenhouse Gas Equivalencies Calculator, U.S. Environmental Protection Agency, December 2018.

Figure 10: Average Annual Energy Dispersed (kWh) Per Charger from Charge! Projects Installed

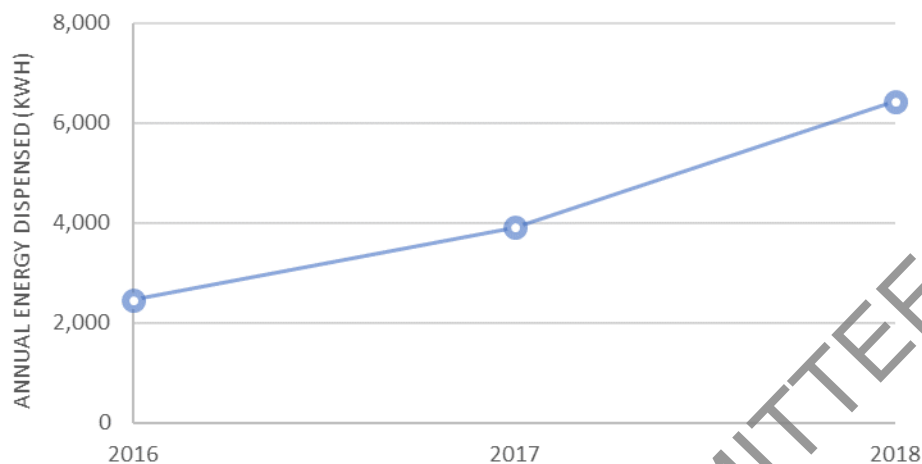


Table 11: Average Reduced Gasoline and Vehicle Miles Traveled Per Charger from Charge! Projects Installed

Year	2016	2017	2018
Gallons of Gas Equivalent	196	311	513
Vehicle Miles Traveled Equivalent	4,260	6,751	11,138

In addition to TFCA-funded programs, from 2015-2017, the Air District awarded projects through funding that resulted from a judgement issued in Reformulated Gasoline Antitrust and Patent Litigation. A total of 19 facilities were awarded which included 129 Level 2 charging stations and 11 DC fast charging stations and placed into service by September 2017. A report on the program's results identified 5 key project implementation and utilization barriers,<sup>21</sup> including:

- **Variability in costs:** Construction costs varied depending the scale of the project (number of chargers that were installed), especially on the existing electrical capacity of facilities and how many upgrades were needed.
- **Project delays:** On average, projects took 236 days to complete and most delays were attributed to electrical upgrades and interconnectivity issues with the grid.
- **Availability of chargers:** Facilities that limited accessibility only during business hours suffered from reduced utilization.
- **Pricing structure:** Higher fee structures disincentivized usage of the chargers.
- **Utilization of charging assets:** Charging station utilization could be increased by installing signage, designating parking stalls for EV charging, encouraging users to move their vehicles upon reaching enough charge and installing enough chargers to match to the size and dwell times of the parking facility.

<sup>21</sup> EV Charging Demonstration Program, Bay Area Air Quality Management District, April 2018.

These lessons about barriers to installing and using charging stations have been included in subsequent iterations of the Charge! Program.

### ***Outreach and Partnerships***

Since 2011, the Air District, in partnership with MTC, has sponsored the Bay Area EV Coordinating Council (EV Council), a collaboration forum for EV stakeholders including local and state governments, businesses, research institutions and non-profits. The EV Council is convened quarterly and addresses topics such as new vehicle and charging technologies, and EV-friendly ordinances adopted by local agencies, equity, and grant opportunities. The EV Council also is an ongoing platform to discuss emerging trends, share best practices, and facilitate innovation to address barriers to EV adoption.

The Air District also sponsors local events and staff attend and share information at regional conferences and meetings with local associations and government agencies (e.g. transportation, environment, public works, school districts, chambers of commerce).

### **OPPORTUNITIES TO ACCELERATE THE MARKET**

The programs and policies to date from the Air District and partner organizations have been focused on getting the Bay Area EV market started. Indeed, the EV market in the Bay Area has seen a massive expansion in recent years, with significant growth in EV sales, infrastructure, and the availability and awareness of EV options for consumers. At the same time, our EV and GHG emissions reduction goals are ambitious, growing from 4% of vehicles to 90% of vehicles driven by Bay Area residents. Using a common framework to describe innovation adoption cycle (innovators, early adopters, early majority, late majority, and laggards), we are in the early adopter phase, which tends to include more socially forward users and have more financial fluidity. The early majority, late majority, and laggards, which typically represent most of consumers, include individuals with more skepticism, stronger resistance to change, or less financial fluidity. With the diversity of geographies, socioeconomics, and transportation needs across the Bay Area, we also need to be sure that technology transitions address the needs and concerns of all Bay Area residents.

Therefore, current and future priorities include actions that accelerate the market, focusing on influencing the large proportions of the population that may be more resistant to change, not just early adopters. These priorities will include understanding and addressing barriers to adoption in communities that have been slower to adopt EVs, updating the region's EV plans to reflect current technologies and trends, broadening the utilization of incentives to cover more communities, and ensuring effective coordination among EV programs to maximize impact (Figure 12).

Figure 11: Air District Priorities in 2019 to Accelerate EV Market

1	Market research on consumers and EV market actors
2	Updated Bay Area EV Acceleration Plan
3	Move beyond early adopters and achieve equitable access to EVs
4	Expand and fill in gaps for charging infrastructure
5	Action-oriented and effective partnerships

***Market research on consumers and EV market actors***

Cost, range, and awareness are not the only considerations for consumers and businesses. To better understand the underlying sentiments that form barriers to EV adoption, and identify the best solutions to addressing those barriers, the Air District is starting work to survey consumers and businesses in the Bay Area. Currently, Air District staff have evaluated existing studies and collected anecdotal information on barriers to EV adoption and charging infrastructure. This effort will help us fill in gaps and collect thorough data sets across a diversity of EV market actors (e.g. low-income consumers, property owners, ride-hailing drivers, dealerships, fleet managers, etc.). This work will help improve incentive programs and develop new and better outreach programs and materials. The survey and research will also help inform the Air Districts current and future funding programs to ensure they are addressing appropriate barriers and economic levers.

***Updated Bay Area EV Acceleration Plan***

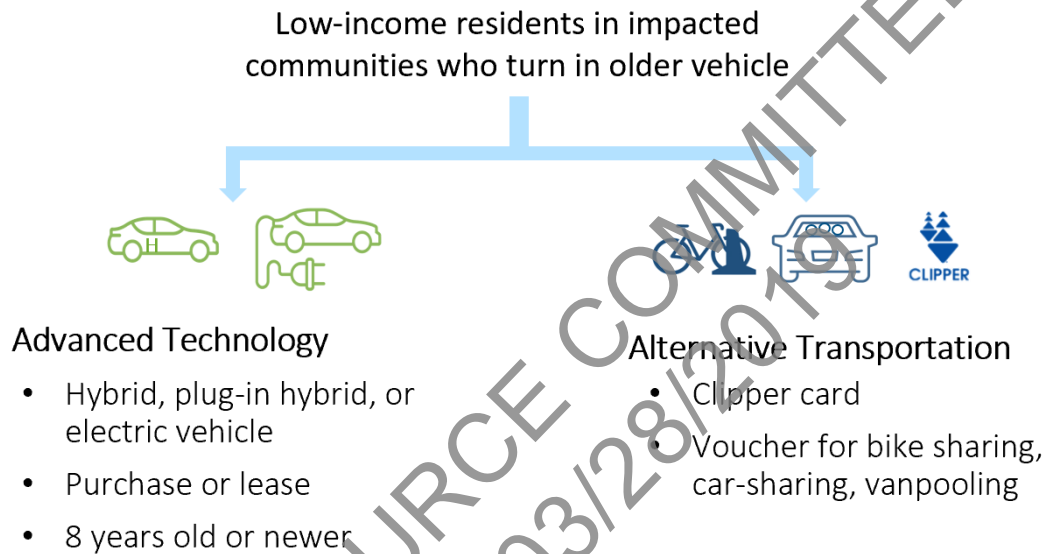
Since the Air District released the Bay Area EV Readiness Plan in 2013, by most measures, EV readiness has been realized in the Bay Area. It is time to focus on the rest of the potential EV market and for this reason, the Air District has started work on an update to the 2013 Plan, with a new “Bay Area EV Acceleration Plan”. The Acceleration Plan will be data driven, including survey and research data on consumer, business, property owner, fleet manager, and transportation network company driver sentiments. Based on input on what would support Bay Area stakeholders, the new plan will include a specific outreach and coordination actions. These actions may include improved messaging and materials for consumers and EV market actors, targeted outreach that complements incentive programs, or coordinating the timeline of incentives and regulations. The Acceleration Plan will be informed by geographically diverse outreach and coordination with the EV Council.

***Move beyond early adopters and achieve equitable access to EVs***

Effectively reducing emissions from light duty vehicle will require wide-scale EV adoption in which all Bay Area residents participate regardless of income, ethnicity, or geographical area. Equitable access to EVs ensures that all Bay Area residents can benefit from lower fuel and maintenance costs as well an improved driving experience. This is the goal of the Air District’s new Clean Cars for All Program, which provides qualifying low-income residents up to \$11,500 for scrapping and older vehicle and switching to a clean transportation option (Figure 13). Participants will have the option to purchase or lease new and used hybrid vehicles, PHEVs, BEVs,

or receive a transportation card for transit or car-sharing. The incentive funding is based on participants' income level and which clean transportation or vehicle option they select. This program is currently in a soft launch to test the program's systems and processes and will fully launch in Spring 2019. The incentive program will include stakeholder engagement and outreach to impacted communities, case managers to support participants through the application process, and partnerships with dealers, vehicle scrappers, and community organizations around the Bay Area.

Figure 12: Overview of Clean Cars for All Program



Increasing opportunities for the public to interact with EVs can improve their perception of accessibility and availability and encourage them to consider an EV for their next vehicle purchase or lease. The Air District has offered incentives for vehicle fleets such as municipal jurisdictions, taxi companies, transportation network companies (TNC), and car sharing businesses and will be increasing outreach for these programs. These programs result in emissions reductions benefits by transitioning those fleets to cleaner vehicles while also increasing the number of EVs that the public may encounter in their daily lives, increasing public awareness of EVs and associated benefits.

***Expand and fill in gaps in charging infrastructure***

Recognizing that charging patterns and needs are shifting due to the increasing availability of longer range (200+ miles) EV models, the Air District will be expanding its focus to install fast chargers along major transportation corridors, which will also expand the network to support long-distance trips. These Ultra-fast (150+ kW) and DC Fast Chargers would be installed in “plazas” and will more operate like gasoline refueling stations. EV uptake among residents of multi-unit dwellings has lagged due to the lack of dedicated parking and the challenge of installing charging infrastructure in shared parking structures. In addition to incentivizing charging in multi-unit dwelling, the Air District will also continue to target workplace charging. By focusing on a combination of multi-unit dwellings, workplace charging, and ultra-fast charging plazas, we can

increase charging accessibility for many potential EV consumers, especially those who do not live in single-family homes. A more visible and thorough EV charging network can reassure potential EV consumers who are concerned about range anxiety. The Charge! Program was created with the ability to evolve with market conditions, especially to focus on gaps in charging infrastructure that can support low-income residents and geographies that have had low EV adoption so far.

***Action oriented and effective partnerships***

The Air District's investments and efforts have, and will continue to, play a significant role in catalyzing the Bay Area's shift towards zero emission transportation. In recent years, other organizations have also expanded programs to support the EV market. To meet the region's aggressive EV adoption goals, these regulatory, incentive, and outreach programs are all important and these efforts need to be coordinated to have maximum impact on driving EV adoption. For example, the EV Council will be the opportunity to leverage funding while also ensuring that incentives and awareness programs are impacting as many communities as possible. Another coordination challenge will be to time and integrate regulations and incentives so that both can be maximally effective. The Air District and MTC are updating the EV Council, from a mechanism to share best practices and network, to a group of organizations who are tackling specific and shared challenges.

Air District staff will continue to update the Mobile Source Committee and Board of Directors on progress for these ongoing programs and priorities. When the Bay Area EV Acceleration Plan is drafted after the stakeholder engagement process, that will also be another opportunity for further discussion and input.

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Report of the Ad Hoc Building Oversight Committee Meeting of April 3, 2019

**RECOMMENDED ACTION**

The Ad Hoc Building Oversight Committee (Committee) may recommend the Board of Directors' approval of the following item:

- A) Consider Recommending the Board of Directors Authorize Execution of Contracts for Build-Out of a Portion of the Richmond, Lakeside Drive Building
  - 1) Recommend the Board of Directors authorize the Executive Officer/APCO to obtain bids and execute contracts to build out approximately 7,300 square feet of the Richmond, Lakeside building with cubicles and offices, in an amount not to exceed \$1,800,000.

**BACKGROUND**

The Committee will meet on Wednesday, April 3, 2019, and will receive the following report:

- A) Consider Recommending the Board of Directors Authorize Execution of Contracts for Build-Out of a Portion of the Richmond, Lakeside Drive Building.

Committee Chairperson, Mark Ross, will provide an oral report of the Committee meeting.

**BUDGET CONSIDERATION/FINANCIAL IMPACT**

- A) Funding is included in the proposed budget for Fiscal Year Ending 2020.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Aloha de Guzman  
Reviewed by: Vanessa Johnson

Attachment 18A: Ad Hoc Building Oversight Committee Meeting Agenda #4 – 04/03/19



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

## Memorandum

To: Chairperson Mark Ross and Members  
of the Ad Hoc Building Oversight Committee

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Consider Recommending the Board of Directors Authorize Execution of Contracts for Build-Out of a Portion of the Richmond, Lakeside Drive Building

**RECOMMENDED ACTION**

Recommend the Board of Directors authorize the Executive Officer/APCO to obtain bids and execute contracts to build out approximately 7,300 square feet of the Richmond, Lakeside building with cubicles and offices, in an amount not to exceed \$1,800,000.

**BACKGROUND**

At the August 1, 2018 meeting of the Board of Directors, staff was authorized to execute the purchase of a building in Richmond, CA for offices, and various other uses. The prior owner continues to lease back a portion of the building until the end of 2019. However, approximately 7,300 square feet of the building are available for immediate reconfiguration as office space.

**DISCUSSION**

The offices and cubicles in the Richmond, Lakeside building are intended to be essentially identical to those at the Beale Street headquarters. The Air District has a continuing contract for cubicles and furniture from the original build-out of Beale Street.

The proposed work at Richmond, Lakeside would be carried out after a bidding process including not less than three bidders for General Contracting.

The built-out space would include:

- Six Offices
- Twenty-Eight Cubicles
- Two Meeting Rooms
- One Copy Room
- One Pantry
- One Server Room
- Restrooms

BUDGET CONSIDERATION/FINANCIAL IMPACT

Funding is included in the proposed budget for Fiscal Year Ending 2020.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Jeff McKay

AD HOC BUILDING OVERSIGHT  
COMMITTEE MEETING OF 04/03/2019

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Memorandum

To: Chairperson Katie Rice and Members  
of the Board of Directors

From: Jack P. Broadbent  
Executive Officer/APCO

Date: March 22, 2019

Re: Presentation from the Government Alliance on Race and Equity (GARE) Co-Director

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

The Air District established the Office of Diversity, Equity & Inclusion (DE&I Office) July 1, 2017, as part of the Fiscal Year Ending (FYE) 2017/2018 budget to reflect the Air District's leadership and commitment to improve public health outcomes, economic opportunities and environmental injustices in historically impacted communities.

The DE&I Office oversees the design, coordination, and implementation of programs, policies and practices aimed at addressing racial disparities associated with air pollution by developing and accomplishing agency wide goals and objective to further the Air District's mission.

The Vision and Guiding Principles are the Air District's commitment to:

- Diversity, equity, and inclusion both internally and throughout the Bay Area;
- Equity and inclusion in decision-making strategies for policies, procedures, regulations, funding initiatives, public outreach, planning and employment opportunities;
- Workplace practices that exemplify the DE&I's principles; and
- Zero tolerance of all forms of discrimination and harassment.

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

## DISCUSSION

### *The Government Alliance on Race & Equity*

The Air District, along with our partner agencies the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG), are members of the Government Alliance on Race and Equity (GARE) Cohort. GARE is a national network of government agencies working to achieve racial equity and advance opportunities for all. The Alliance uses a three-prong approach:

1. Support jurisdictions that are at the forefront of work to advance racial equity;
2. Build pathways for new jurisdictions to begin doing racial equity work, including cohorts of new jurisdictions; and
3. Expand and strengthen local and regional collaborations that are broadly inclusive and focused on achieving racial equity.

Cohorts participate in a structured year-long curriculum that focuses on strategies that normalize conversations about race, operationalize new policies and practices, and organize to achieve racial equity. This focus on racial equity strengthens the Air District's work by incorporating a racial equity review in the development of policies, regulations and plans.

The joint agencies cohort represents staff from within every division/department of the agencies. The second-year cohort recently completed the program. A third-year team of employees began training in February 2019.

Dwayne S. Marsh, Co-Director of GARE, will present GARE's objectives, share a snapshot describing the history of government and race, and how it impacts our society today. Finally, he will discuss our role as government officials and how we can impact equitable outcomes.

Respectfully submitted,

Jack P. Broadbent  
Executive Officer/APCO

Prepared by: Mary Ann Okpalaugo  
Reviewed by: Greg Nudd