



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

BOARD OF DIRECTORS
EXECUTIVE COMMITTEE MEETING

COMMITTEE MEMBERS

KATIE RICE – CHAIR
TERESA BARRETT
JOHN GIOIA
SCOTT HAGGERTY
TYRONE JUE
BRAD WAGENKNECHT

ROD SINKS – VICE CHAIR
CINDY CHAVEZ
CAROLE GROOM
DAVE HUDSON
JIM SPERING

WEDNESDAY
NOVEMBER 6, 2019
9:30 A.M.

1ST FLOOR BOARD ROOM
375 BEALE STREET
SAN FRANCISCO, CA 94105

AGENDA

1. **CALL TO ORDER - ROLL CALL**
PLEDGE OF ALLEGIANCE
PUBLIC MEETING PROCEDURE

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

This meeting will be webcast. To see the webcast, please visit 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 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.*

2. **PUBLIC COMMENT ON NON-AGENDA MATTERS**

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.*

Staff/Phone (415) 749-

3. **APPROVAL OF THE MINUTES OF SEPTEMBER 5, 2019**

Clerk of the Boards/5073

The Committee will consider approving the draft minutes of the Executive Committee meeting of September 5, 2019.

4. **HEARING BOARD QUARTERLY REPORT: JULY 2019 – SEPTEMBER 2019**

J. Broadbent/5052

jbroadbent@baaqmd.gov

The Committee will receive the Hearing Board Quarterly Report for the period of July 2019 through September 2019.

5. **BAY AREA REGIONAL COLLABORATIVE (BARC) UPDATE**

J. Broadbent/5052

jbroadbent@baaqmd.gov

The Committee will receive an update by BARC Director, Allison Brooks, on the activities of the Bay Area Regional Collaborative.

6. **REPORT ON THE ADVISORY COUNCIL MEETING FROM OCTOBER 28, 2019**

J. Broadbent/5052

jbroadbent@baaqmd.gov

The Committee will receive a report on the Advisory Council Particulate Matter Symposium from October 28, 2019.

7. **ASSEMBLY BILL (AB) 617 IMPLEMENTATION INTO 2020**

J. Broadbent/5052

jbroadbent@baaqmd.gov

The Committee will receive an overview of what has been accomplished through the Air District's Assembly Bill (AB) 617 Community Health Protection Program thus far and plans for the program over the next year.

8. **REPORT ON RECENT INCIDENT RESPONSE EVENTS** **J. Broadbent/5052**
jbroadbent@baaqmd.gov

The Committee will receive a report on the NuStar Facility fire in Crockett, the recent wildfires affecting the Bay Area and the Air District's role in responding to such events.

9. **REQUEST TO AMEND THE FISCAL YEAR ENDING (FYE) 2020 BUDGET TO INCREASE STAFFING** **J. Broadbent/5052**
jbroadbent@baaqmd.gov

The Committee will consider recommending the Board of Directors amend the Fiscal Year Ending (FYE) 2020 budget to authorize the creation of ten (10) additional full-time regular positions.

10. **PUBLIC COMMENT ON NON-AGENDA MATTERS**

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

11. **COMMITTEE MEMBER COMMENTS / OTHER BUSINESS**

Any member of the Committee, 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).

12. **TIME AND PLACE OF NEXT MEETING**

At the call of the Chair.

13. **ADJOURNMENT**

The Committee meeting shall be adjourned by the Committee Chair.

CONTACT:

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

(415) 749-4941
FAX: (415) 928-8560
BAAQMD homepage:
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 Executive Committee” 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 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

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

NOVEMBER 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Legislative Committee - CANCELLED AND RESCHEDULED TO MONDAY, NOVEMBER 25, 2019	Monday	4	9:30 a.m.	1 st Floor Board Room
Board of Directors Nominating Committee - CANCELLED AND RESCHEDULED TO WEDNESDAY, NOVEMBER 20, 2019	Wednesday	6	9:00 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting - CANCELLED	Wednesday	6	9:30 a.m.	1 st Floor Board Room
Board of Directors Executive Committee	Wednesday	6	9:30 a.m.	1 st Floor Board Room
Board of Directors Stationary Source Committee – CANCELLED AND RESCHEDULED TO MONDAY, DECEMBER 16, 2019	Monday	18	9:30 a.m.	1 st Floor Board Room
Board of Directors Nominating Committee	Wednesday	20	9:00 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting	Wednesday	20	9:30 a.m.	1 st Floor Board Room
Board of Directors Climate Protection Committee - CANCELLED	Thursday	21	9:30 a.m.	1 st Floor Board Room
Board of Directors Community & Public Health Committee	Thursday	21	9:30 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee	Monday	25	9:30 a.m.	1 st Floor Board Room
Board of Directors Legislative Committee	Monday	25	10:45 a.m.	1 st Floor Board Room
Board of Directors Mobile Source Committee - CANCELLED	Thursday	28	9:30 a.m.	1 st Floor Board Room

DECEMBER 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Climate Protection Committee	Monday	2	9:30 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting	Wednesday	4	9:30 a.m.	1 st Floor Board Room
Advisory Council Meeting	Monday	9	10:00 a.m.	1 st Floor Board Room

DECEMBER 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Stationary Source Committee	Monday	16	9:30 a.m.	1 st Floor Board Room
Board of Directors Executive Committee - CANCELLED	Wednesday	18	9:30 a.m.	1 st Floor Board Room
Board of Directors Mobile Source Committee	Wednesday	18	9:30 a.m.	1 st Floor Yerba Buena Room
Board of Directors Budget & Finance Committee - CANCELLED	Wednesday	25	9:30 a.m.	1 st Floor Board Room
Board of Directors Mobile Source Committee – CANCELLED AND RESCHEDULED TO WEDNESDAY, DECEMBER 18, 2019	Thursday	26	9:30 a.m.	1 st Floor Board Room

HL – 10/30/2019 – 12:50 p.m.

G/Board/Executive Office/Moncal

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: October 22, 2019

Re: Approval of the Minutes of September 5, 2019

RECOMMENDED ACTION

Approve the attached draft minutes of the Executive Committee (Committee) meeting of September 5, 2019.

DISCUSSION

Attached for your review and approval are the draft minutes of the Committee meeting of September 5, 2019.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Marcy Hiratzka
Reviewed by: Vanessa Johnson

Attachment 3A: Draft Minutes of the Committee Meeting of September 5, 2019

AGENDA 3A – ATTACHMENT

Draft Minutes – Executive Committee Meeting of September 5, 2019

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

DRAFT MINUTES

Summary of Board of Directors
Executive Committee Meeting
Thursday, September 5, 2019

1. CALL TO ORDER – ROLL CALL

Executive Committee (Committee) Chairperson, Katie Rice, called the meeting to order at 9:35 a.m.

Roll Call:

Present: Committee Chairperson Katie Rice; Committee Vice Chair Rod Sinks; and Directors Teresa Barrett, Scott Haggerty, David Hudson, Tyrone Jue, Jim Spering, and Brad Wagenknecht.

Absent: Directors Cindy Chavez, John Gioia, and Carole Groom.

Also Present: None.

2. PUBLIC COMMENT ON NON-AGENDA MATTERS PURSUANT TO GOVERNMENT CODE SECTION 54954.3

Public comments were given by Jack Fleck, 350 Bay Area.

NOTED PRESENT: Director Spering was noted present at 9:37 a.m.

3. APPROVAL OF THE MINUTES OF MARCH 20, 2019

Public Comments

No requests received.

Committee Comments

None.

Committee Action

Director Wagenknecht made a motion, seconded by Director Hudson, to **approve** the minutes of March 20, 2019; and the motion carried by the following vote of the Committee:

AYES: Barrett, Haggerty, Hudson, Rice, Sinks, Spering, Wagenknecht.
NOES: None.
ABSTAIN: Jue.
ABSENT: Chavez, Gioia, Groom.

4. HEARING BOARD QUARTERLY REPORTS: JANUARY 2019 – MARCH 2019 AND APRIL 2019 – JUNE 2019

The Committee received and filed this report, which reflected no Hearing Board activity between January 2019 – March 2019 and April 2019 – June 2019.

Public Comments

No requests received.

Committee Comments

None.

Committee Action

None; receive and file.

5. BAY AREA REGIONAL COLLABORATIVE (BARC) UPDATE

Allison Brooks, Executive Director of BARC, gave the presentation *BARC Executive Director's Update*, including: proposed BARC Work Plan 2020-2022, and areas for BARC/Air District collaboration; transportation – California's largest source of greenhouse gas (GHG) emissions and growing; Assembly Bill (AB) 617 implementation - focus on mobility; Berkeley's ban on natural gas; and building electrification.

Public Comments

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

Committee Comments

The committee and staff discussed how a chart of California's largest sources of GHG emissions would compare with that of the Bay Area's; contributing factors of high global warming potential, and whether the California Air Resource Board's (CARB) definition of "high global warming potential" specifically pertains to the Kyoto Protocol's six GHGs gases (Carbon dioxide, Methane, Nitrous oxide, Hydrofluorocarbons, Perfluorocarbons, and Sulphur hexafluoride); the suggestion that BARC gets involved with community choice aggregation agencies that are encouraging cities

to adopt new reach codes containing more stringent environmental standards; what is attainable regarding electrification goals; the Committee’s appreciation for BARC’s help in collaborating agencies; and the suggestion that BARC shares success stories of projects and programs to encourage other jurisdictions to implement them.

Committee Action

None; receive and file.

6. STATUS UPDATE FOR THE PRODUCTION SYSTEM OFFICE

Blair Adams, Information Systems Officer, gave the staff presentation *My Air Online Status Update*, including: My Air Online 2019 status overview; conceptual shift - feature migration; invoice and permit revenue (Fiscal Year 2019); Permitting and Compliance system - current production features; “Air Pollution” web interface - before and after; “Air Quality Index” and “Meteorology” web interface; schedule overview - legacy transition; and budget and feature estimates.

Public Comments

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

Committee Comments

The Committee and staff discussed the number of views that the Air District’s main website experienced during the 2018 Camp Fire; user interface of the Air District’s production system, and whether the system provides a way in which the public can make comments or ask questions of Air District staff; whether facilities’ permits are available for viewing on the Air District’s website; current capabilities for mining data and researching the system’s application programming interfacing trends; appreciation of the Production System Office for its assistance during wildfire incidents and subsequent high web traffic; the importance of the Air District’s transparency and website expediency; how Assembly Bill (AB) 617 requirements may impact future Air District budgets, as budget estimates do not currently include AB 617 requirements; and ways to direct the public who are accessing the production system to information that encourages changes in consumer-demand behavior.

Committee Action

None; receive and file.

7. SUMMARY OF THE 2019 SUMMER SPARE THE AIR (SSTA) PROGRAM AND AN UPDATE OF THE 2019-20 WINTER SPARE THE AIR (WSTA) CAMPAIGN

Wayne Kino, Deputy Air Pollution Control Officer of Operations, introduced Lisa Fasano, Communications Officer, who gave the staff presentation *2019 Summer Spare the Air Season Summary and Winter Spare the Air Season Overview*, including: advertising; “Share the Ride” television advertisement; campaign highlights; social media; media relations; 2019-2020 Winter

Spare the Air campaign overview; advertising; social media; door-to-door outreach; and Wood Smoke Reduction Grant program results.

Public Comments

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

Committee Comments

The Committee and staff discussed the request for extra WSTA doorhangers for the City of San Ramon; the suggestion of incorporating electric bicycle and bicycle share program incentives into both STA programs; the suggestion of following STA advertisements with messaging about the Air District so that the public will connect the program with the agency; concerns that the number of the Air District’s social media followers does not reflect the number of Bay Area residents; the public’s feedback regarding the efficacy of Air District program outreach; and whether the Air District should support natural gas as a “bridge fuel” until electrification becomes the new standard.

Committee Action

None; receive and file.

8. PUBLIC COMMENT ON NON-AGENDA MATTERS

No requests received.

9. COMMITTEE MEMBER COMMENTS / OTHER BUSINESS

- Director Hudson requested a status update of the Bay Area’s GHG emission levels in spring 2020.
- Director Hudson requested that Air District staff attend the following events, which happen to be on the Norther American West Coast:
 - “ACE 2020 Gateway to Innovation” Air & Waste Management Association’s 113th Annual Conference and Exhibition, San Francisco, CA, June 29 - July 2, 2020
 - “EVS33” 33rd International Electric Vehicle Symposium and Exposition, Portland, OR, June 14-17, 2020
 - 2020 American Public Transportation Association Exposition in, Anaheim, CA, October 12 -14, 2020
- Vice Chair Sinks said that opportunities to bypass installing natural gas lines in new construction are increasing in the Bay Area.
- Vice Chair Sinks announced that the Air District’s September 16, 2019, Stationary Source Committee meeting will be held in the City of Milpitas, likely focusing on South Bay odor issues and Fremont school complaints of Tri City Rock.

10. **TIME AND PLACE OF NEXT MEETING**

The next Executive Committee meeting will be held on Wednesday, October 16, 2019, at 375 Beale Street, San Francisco, California 94105 at 9:30 a.m.

11. **ADJOURNMENT**

The meeting adjourned at 10:56 a.m.

Marcy Hirtzka
Clerk of the Boards

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Katie Rice and Members
of the Executive Committee

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

Date: October 22, 2019

Re: Hearing Board Quarterly Report: July – September 2019

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

This report covers the third calendar quarter (July – September) of 2019.

- Held one hearing;
- Processed a total of zero orders; and
- Collected a total of \$0.00 in filing fees.

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

Location: Alameda County; City of Fremont

Docket: 3714 – Tesla Motors, Inc. – Request for Interim and Regular Variances

Regulation(s): Regulation 2, Rule 1, Section 307 (Permits, General Requirements, Failure to Meet Permit Conditions); and Regulation 2, Rule 6, Section 307 (Permits, Major Facility Review, Non-Compliance).

Synopsis: Applicant produces electric passenger vehicles at its Fremont facility, including the manufacturing and assembly of component parts and coating of parts and vehicles. A thermal oxidizer at the facility was required to maintain a minimum temperature of 1400 degrees Fahrenheit, per Air District Permit Condition #9158 Part 2, but had been operating at 1275 degrees Fahrenheit; Applicant claimed operating at the higher temperature damaged the thermal oxidizer. Applicant submitted permit application 29741 to authorize the use of a different thermal oxidizer, and sought relief from Permit Condition #9158 Part 2, requiring operation at 1400 degrees Fahrenheit. (Applicant was not seeking relief from emission limits, only the temperature requirement.) Applicant believed that new thermal oxidizer would comply with emission limits at

the lower temperature. Applicant planned to comply with the new permit conditions associated with the new control device, once installed.

Status: Application filed on April 2, 2019; interim variance hearing scheduled for April 16, 2019, and regular variance hearing scheduled for May 21, 2019; interim variance was granted by the Hearing Board at the interim variance hearing on April 16, 2019; Order Granting Interim Variance filed on April 17, 2019; both parties requested to continue regular hearing from May 21, 2019 to July 23, 2019; Applicant requested to withdraw application on July 23, 2019, at regular variance hearing; matter withdrawn on July 23, 2019.

Requested Period of Variance: March 28, 2019 to December 31, 2019

Estimated Excess Emissions: None.

Fees collected this quarter: \$0.00.

Respectfully submitted,

Valerie J. Armento, Esq.
Chair, Hearing Board

Prepared by: Marcy Hiratzka
Reviewed by: Vanessa Johnson

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Katie Rice and Members
of the Executive Committee

From: Jack P. Broadbent
Executive Officer/APCO

Date: October 23, 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, the BARC Director, Allison Brooks, will provide an update on the activities of the BARC.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Aloha de Guzman

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: October 25, 2019

Re: Report on the Advisory Council Meeting from October 28, 2019

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

On October 28, 2019, the Advisory Council met to convene the first of a series of Symposia on Particulate Matter (PM).

DISCUSSION

The Committee will receive an update of the Advisory Council's convening of the Symposium on Particulate Matter. The Symposium included a distinguished list of Panelists, and featured Gina McCarthy, former US Environmental Protection Agency (EPA) Administrator, as the lunch-time keynote speaker (attachment).

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Jeff McKay

Attachment 6A: Particulate Matter Symposium Agenda & Speaker Information



Particulate Matter: Spotlight on Health Protection



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Date: Oct. 28, 2019

Time: 9:00 am - 4:45pm

Facilitator: Mr. Stan Hayes

Agenda Items

8:30 AM	Registration/Coffee and light breakfast	Atrium
9:00 AM	Welcome	Board Room
9:25 AM	PM Health Effects Panel	Board Room
11:05 AM	Break	Atrium
11:15 AM	Joint Discussion: Health Effects Panel	Board Room
12:00 PM	Lunch with Keynote Speaker – Former EPA Administrator Gina McCarthy	Yerba Buena
1:15 PM	PM Exposure & Risk Panel	Board Room
2:55 PM	Break	Atrium
3:10 PM	Joint Discussion: Exposure & Risk Panel	Board Room
4:00 PM	Advisory Council Deliberation	Board Room

Additional information

Public comment will take place during welcome remarks.

For ADA related assistance, please contact Areana Flores at aflores@baaqmd.gov.



Schedule Breakdown

Time	Agenda Item	Minutes
8:30-9:00	Registration/Light Breakfast	30
9:00	Pledge of Allegiance Public Comment Approval of minutes	15
9:15-9:25	Intro - Jack Broadbent/Stan Hayes/ Jeff McKay	10
	PM Health Effects Panel	
9:25 - 9:50	Jason Sacks	25
9:50 - 10:15	Mike Kleinman	25
10:15 - 10:40	John Balmes	25
10:40 – 11:05	Chris Frey	25
11:05 - 11:15	Break	10
11:15 - 12:00	Joint Discussion	45
12:00 - 1:10	Lunch (12:30-1:00 speaker) Gina McCarthy Keynote	70
	PM Exposure & Risk Panel	
1:15 - 1:40	Lauren Zeise	25
1:40 - 2:05	Julian Marshall	25
2:05 - 2:30	Scott Jenkins	25
2:30 - 2:55	Phil Martien	25
2:55 - 3:10	Break	15
3:10 - 4:00	Joint Discussion	50
4:00 - 4:45	Advisory Council Deliberation	45
*15-min presentation, 10-min Q&A		



Guest Speaker *Biographies*

Jason D. Sacks, M.P.H.



Jason Sacks is a Senior Epidemiologist in the Center for Public Health & Environmental Assessment within U.S. EPA's Office of Research and Development. He is the assessment lead for the Particulate Matter Integrated Science Assessment and plays key leadership roles in synthesizing the health effects evidence of air pollution for various National Ambient Air Quality Standards reviews. He has expertise in examining the relationship between short-term exposures to air pollution and mortality, respiratory-related hospital admissions and emergency department visits, and long-term exposure and cancer, with a focus on identifying those populations at greatest risk. Additionally, Sacks collaborates with the Office of Air Quality

Planning and Standards within U.S. EPA's Office of Air and Radiation in conducting both national and international training on U.S. EPA's Environmental Benefits Mapping and Analysis Program – Community Edition and in communicating the health risks of exposure to PM and wildfire smoke. He received a B.A. from Rutgers University in 1999 and an M.P.H. from Johns Hopkins University in 2003.

Michael T. Kleinman, Ph.D.



Michael T. Kleinman is UC Irvine Professor of Environmental Toxicology and Co-Director of the Air Pollution Health Effects Laboratory in the Department of Community and Environmental Medicine, Adjunct Professor in College of Medicine. He received a Ph.D. in Environmental Health Sciences from New York University. Dr. Kleinman brings expertise on the health effects of air pollution on animals and humans, as well as the development of analytical techniques for assessing biological and physiological responses to exposure to environmental contaminants and for determining concentrations of important chemical species in air. His current studies involve the inhalation exposures to manufactured and

combustion-generated nanomaterials fine and coarse particles using state-of-the-art field exposure systems and real-time physiological monitoring methods. Biological mechanisms related to oxidative stress have been identified after particulate matter exposure, and Dr. Kleinman's team is also pursuing how these mechanisms affect pathological and physiological changes in the heart and lungs. He currently serves on the Air District Advisory Council.



Dr. John Balmes



Dr. Balmes is Professor of Medicine at UC San Francisco where he is on the faculty of the Divisions of Occupational and Environmental Medicine and Pulmonary Critical Care Medicine. He is also Professor of Environmental Health Sciences in the School of Public Health at UC Berkeley. Dr. Balmes is the Director of the Northern California Center for Occupational and Environmental Health. He leads an active research program and is author of over 300 papers on occupational and environmental health-related topics with many of these dealing with the potential health effects of ambient air pollution. Dr. Balmes expertise in the health effects of ambient air pollutants has been recognized by multiple awards. He was appointed the Physician

Member of the California Air Resources Board in 2008.

H. Christopher Frey, Ph.D., F. A&WMA, F. SRA



Dr. H. Christopher Frey is the Glenn E. Futrell Distinguished University Professor of Environmental Engineering in the Department of Civil, Construction, and Environmental Engineering at North Carolina State University. Dr. Frey's research includes quantification of uncertainty in engineering process technologies and emission factors, probabilistic methods for exposure assessment, measurement and modeling of human exposure to air pollution, and measurement and modeling of vehicle emissions. Dr. Frey also is an adjunct professor in the Division of the Environment and Sustainability at the Hong Kong University of Science and Technology, where he is part of a large team developing an exposure model for Hong Kong.

Dr. Frey is a Fellow of the Air & Waste Management Association and of the Society for Risk Analysis. He has a B.S. in mechanical engineering from the University of Virginia, a Master of Engineering in mechanical engineering from Carnegie Mellon University, and Ph.D. in engineering and public policy from Carnegie Mellon.



Particulate Matter: Spotlight on Health Protection



BAY AREA
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DISTRICT

Lauren Zeise, Ph.D.



Lauren Zeise, Ph.D., was appointed by Gov. Brown as Director of the California Office of Environmental Health Hazard Assessment in December 2016 and has been with OEHHA since its inception in 1991. Prior to OEHHA's creation, she was chief of the cancer unit at the California Department of Health Services and spent several years at the California Public Health Foundation and the U.S. EPA. She played a leading role in OEHHA's development of CalEnviroScreen, the nation's first comprehensive statewide environmental health screening tool, which is used to identify the California communities most burdened by pollution from multiple sources and most vulnerable to its effects. She also co-led the team that developed the hazard trait regulation for California's Safer Consumer Products program, and she has conducted hundreds of health risk assessments. Dr. Zeise earned her doctorate from Harvard University. She is a member, fellow, former editor, and former councilor of the Society for Risk Analysis and was the 2008 recipient of the Society's Outstanding Risk Practitioner Award.

Julian Marshall, Ph.D.



Julian Marshall is the Kiely Endowed Professor of Environmental Engineering at University of Washington with a focus on air quality management. Dr. Marshall founded and runs the Grand Challenges Impact Lab, a UW study abroad program in Bangalore, India. He is also Associate Editor for Environmental Health Perspectives and Development Engineering. Dr. Marshall studies exposure to air pollution, including air pollution health impacts of transportation and electricity, disparities in exposure, and air pollution measurements in low-income countries. He earned a B.S.E. with High Honors in Chemical Engineering from Princeton, an M.S. and Ph.D. in Energy and Resources from UC Berkeley, and has published over 100 peer-reviewed journal articles.



Particulate Matter: Spotlight on Health Protection



BAY AREA
AIR QUALITY
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Scott Jenkins, Ph.D.



Dr. Scott Jenkins is a senior environmental health scientist in EPA's Office of Air Quality Planning and Standards (OAQPS). He is currently leading EPA's review of the National Ambient Air Quality Standards (NAAQS) for Particulate Matter (PM). Over the past 15 years, he has also worked on reviews of the NAAQS for other criteria pollutants, including ozone and nitrogen dioxide, and on standards for air toxics. Dr. Jenkins came to OAQPS from the EPA's Office of Research and Development. Prior to EPA, Dr. Jenkins was a Howard Hughes Postdoctoral Research Fellow in the Department of Cell Biology at Duke University. His PhD is in Behavioral Neuroscience from the University of Alabama at Birmingham and his bachelor's degree is in Psychology from Furman University.

Phil Martien, Ph.D.



Phil Martien is the Director of the Assessment, Inventory, & Modeling Division at the Bay Area Air Quality Management District. He and his team are focused on compiling and evaluating emissions of air pollutants and greenhouse gases, conducting modeling-based studies to estimate air pollution exposures and impacts, and supporting the Air District's development of prioritized mitigation measures. He led the Air District's Community Air Risk Evaluation Program, which informed California's AB 617 in beginning to unite community organizations, agencies, and businesses to address areas of concentrated air pollution and related health effects in disadvantaged communities. He received his M.S. and Ph.D. degrees from UC

Berkeley.



Keynote Speaker *Biography*

Gina McCarthy



One of the nation's most respected voices on the environment and public health, former EPA Administrator Gina McCarthy is now a Harvard professor leading strategies and actions at the Harvard T.H. Chan School of Public Health, the Harvard Kennedy School of Government and in the corporate and non-profit sectors. At Harvard TH Chan, she is Professor of the Practice of Public Health in the Department of Environmental Health and the Director of the Center for Health and the Global Environment (C-CHANGE). In this capacity, McCarthy leads the development of the school's strategy to turn climate and health science into actions that promote a more sustainable and just world. At the Kennedy School, she engages climate science leaders across the university and beyond. McCarthy also serves as a Member of the Board of Directors of the Energy Foundation and Ceres. McCarthy is a former operating advisor at Pegasus Capital.

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: October 23, 2019

Re: Assembly Bill (AB) 617 Implementation into 2020

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

Assembly Bill (AB) 617 was passed in 2017, to improve local air quality and health in disproportionately impacted communities. The law requires the California Air Resources Board (CARB) to work with community groups, air districts, and others to select locations from around the state where communities will work with local air districts to measure and reduce air pollution.

DISCUSSION

Since the passage of AB 617, Air District staff have been dedicated to its implementation. By the end of this second implementation year, we will have completed the development of a community-led emission reduction plan in West Oakland and will have initial monitoring underway in Richmond/San Pablo, as well as a working draft monitoring plan. We distributed \$350,000 in capacity-building grants in all high priority communities, including East Oakland/San Leandro, eastern San Francisco, eastern Contra Costa County, San Jose, the Tri-Valley, and Vallejo. To date, we have allocated over \$59 million in AB 617 incentives for cleaner cars, trucks, buses, and other mobile sources in all Bay Area AB 617 communities.

In 2020, we will be focusing our efforts on building community, and our own, capacity, to do the next wave of emission reduction plans and/or air monitoring. Over the next year, Air District staff will be undertaking both regional and community-level capacity-building work. At the regional level, Air District staff will work with community members and organizations in East Oakland/San Leandro, eastern San Francisco, eastern Contra Costa County, San Jose, the Tri-Valley, and Vallejo to build a Regional AB 617 Working Group. We will be working on rulemaking, including permit reform and new or updated rules for storage tanks, refinery wastewater, restaurants, backup generators, and construction. The Criteria and Toxics Reporting rule will be reviewed to update reporting requirements. We will also be coordinating with our regional agency and local government partners on Senate Bill 1000 implementation, the development of Plan Bay Area, and on a more collaborative approach to incentives and freight planning.

In individual high priority communities, Air District staff will be working on the implementation of the West Oakland Action Plan, including collaboration with the Port of Oakland. We will also be fine tuning our modeling and emissions data for West Oakland. Richmond/San Pablo will see the continued development of the monitoring plan, more community monitoring, data collection, and analysis. We will also begin moving toward an emission reduction plan in Richmond/San Pablo.

In each high priority community, i.e. East Oakland/San Leandro, eastern San Francisco, eastern Contra Costa County, San Jose, and Vallejo, Air District staff will be embarking on technical and community engagement work. We will be estimating the driving forces behind community exposure to particulate matter (PM)_{2.5}, as well as compiling previous studies, including historical and current land use data. Additionally, we will be working with community leaders and organizations to implement their Air District capacity-building grants, building relationships with additional community leaders, and finding opportunities for partnerships and collaboration around local air pollution or other related concerns.

BUDGET CONSIDERATION / FINANCIAL IMPACT

Costs for the current fiscal year are included in the current budget. Costs for next fiscal year will be evaluated when preparing the budget for that year. The level of effort will depend on continued state funding and the amount of that funding.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Christianne Riviere
Reviewed by: Elizabeth Yura

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: October 24, 2019

Re: Report on Recent Incident Response Events

RECOMMENDED ACTION

None; receive and file.

BACKGROUND

The Air District's primary role in an incident is to provide support for emergency first responders. These incidents, which may result in major releases of air contaminants, require that Air District resources be utilized to aid first responders and to help minimize the impact of the incident on the public. The Air District becomes involved in an incident based on direct observations, referrals from other agencies, direct notifications from companies, news media reporting, and/or air pollution complaints from the public.

The Air District's incident response contributes in an advisory or support capacity to emergency response agencies utilizing Air District resources and expertise for air sample collection, air monitoring, meteorology forecasts, laboratory analysis, inspection, investigation, enforcement, identifying air emissions, health effects, media coordination, and general public messaging.

DISCUSSION

Staff will report on the incidents, including the NuStar facility fire in Crockett and the recent wildfires affecting the Bay Area.

BUDGET CONSIDERATIONS/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Wayne Kino

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: October 22, 2019

Re: Request to Amend the Fiscal Year Ending (FYE) 2020 Budget to Increase Staffing

RECOMMENDED ACTION

Recommend the Board of Directors (Board) amend the Fiscal Year Ending (FYE) 2020 budget to authorize the creation of ten (10) additional full-time regular positions.

BACKGROUND

The Air District is currently authorized for staffing at 405 regular full-time positions in the FYE 2020 Budget. During budget discussions, staff advised the Board that there would be a mid-year staffing augmentation request once resources and funding related to Assembly Bill (AB) 617 were assessed.

DISCUSSION

As a result of resources required to support AB 617, staff is proposing to augment its staffing numbers to increase by ten (10) full-time regular positions. These positions include support for AB 617 and backfilling staffing resources previously diverted to support AB 617 from the Air District's Engineering and Enforcement Divisions. As part of this agenda item, staff will discuss the proposed new positions and current and future staffing needs.

BUDGET CONSIDERATION / FINANCIAL IMPACT

The addition of the ten positions will add approximately \$1,830,000 in Personnel Expenditures to the FYE 2020 Budget.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Rex Sanders