



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

ADVISORY COUNCIL REGULAR MEETING

MONDAY
JULY 29, 2019
10:00 A.M.

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

AGENDA

1. **CALL TO ORDER - ROLL CALL**
PLEDGE OF ALLEGIANCE

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

Staff/Phone (415) 749-

2. **APPROVAL OF THE MINUTES OF MARCH 11, 2019**

Clerk of the Boards/5073

The Advisory Council will consider approving the draft minutes of the Advisory Council Regular Meeting of March 11, 2019.

3. **PUBLIC COMMENT ON AGENDA MATTERS**

Pursuant to Government Code Section 54954.3, the public has the opportunity to speak on any agenda item. All agendas for Council meetings are posted at the Air District, 375 Beale Street, San Francisco, California 94105 at least 72 hours before a meeting.

This meeting will be webcast. To see the webcast, please visit www.baaqmd.gov/ADVagendas at the time of the meeting. Closed captioning may contain error and omissions, and are not certified for their content or form.

4. **DISCUSSION ON ELECTION OF OFFICERS** **J. McKay/4629**
jmckay@baaqmd.gov

The Council will discuss the election of officers for the Advisory Council.

5. **PRESENTATION ON COMMUNITY-SCALE ASSESSMENTS OF AIR POLLUTION IMPACTS TO SUPPORT ASSEMBLY BILL (AB) 617** **J. McKay/4629**
jmckay@baaqmd.gov

The Council will receive a presentation on technical assessments of fine particulate matter and other pollutants underway to support AB 617.

6. **UPDATE ON WILDFIRE RESPONSE EFFORTS** **J. McKay/4629**
jmckay@baaqmd.gov

The Council will receive an update on the Air District's wildfire response efforts.

7. **DISCUSSION REGARDING PARTICULATE MATTER (PM) SYMPOSIUM** **J. McKay/4629**
jmckay@baaqmd.gov

The Council will receive an update on the status of the previously proposed Particulate Matter (PM) Symposium.

8. **CHAIRPERSON'S REPORT**

The Chairperson will provide the Advisory Council with a report of recent and upcoming activities.

9. **REPORT OF THE EXECUTIVE OFFICER/APCO**

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

Pursuant to Government Code Section 54954.3, an opportunity is provided for the public to speak on any subject within the Council's purview. Speakers are typically limited to three minutes each.

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

Council members may make a brief announcement, provide a reference to staff about factual information or ask questions about subsequent meetings.

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

Monday, December 9, 2019, at 375 Beale Street, San Francisco, CA 94105 at 10:00 a.m.

13. **ADJOURNMENT**

The Council meeting shall be adjourned by the Chair.

CONTACT:

MANAGER, EXECUTIVE OPERATIONS
375 BEALE STREET, SAN FRANCISCO, CA 94105

vjohnson@baaqmd.gov

(415) 749-4941
FAX: (415) 928-8560
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 “Advisory Council” and received at least 24 hours prior, excluding weekends and holidays, in order to be presented at that Council meeting. Any correspondence received after that time will be presented to the Council 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

JULY 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Legislative Committee (CANCELLED)	Wednesday	24	9:30 a.m.	1 st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	25	9:30 a.m.	1 st Floor Board Room
Advisory Council Meeting	Monday	29	10:00 a.m.	1 st Floor Board Room
Board of Directors Special Meeting as the Sole Member of the Bay Area Clean Air Foundation	Wednesday	31	9:30 a.m.	1 st Floor Board Room
Board of Directors Special Meeting	Wednesday	31	10:00 a.m.	1 st Floor Board Room

SEPTEMBER 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting - CANCELLED	Wednesday	4	9:30 a.m.	1 st Floor Board Room
Advisory Council Meeting - CANCELLED AND RESCHEDULED TO DECEMBER 9, 2019	Monday	9	10:00 a.m.	1 st Floor Board Room
Board of Directors Community & Public Health Committee	Thursday	12	9:30 a.m.	1 st Floor, Yerba Buena Room #109
Board of Directors Stationary Source Committee	Monday	16	9:30 a.m.	Location To Be Determined
Board of Directors Executive Committee - CANCELLED	Wednesday	18	9:30 a.m.	1 st Floor Board Room
Board of Directors Regular Meeting	Wednesday	18	9:30 a.m.	1 st Floor Board Room
Board of Directors Climate Protection Committee	Thursday	19	9:30 a.m.	1 st Floor Board Room
Board of Directors Budget & Finance Committee	Wednesday	25	9:30 a.m.	1 st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	26	9:30 a.m.	1 st Floor Board Room

OCTOBER 2019

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Special Meeting	Wednesday	2	9:30 a.m.	Location To Be Determined
Board of Directors Technology Implementation Office (TIO) Steering Committee	Friday	4	9:30 a.m.	1st Floor Board Room
Board of Directors Executive Committee	Wednesday	16	9:30 a.m.	1st Floor Board Room
Board of Directors Budget & Finance Committee	Wednesday	23	9:30 a.m.	1st Floor, Yerba Buena Room #109
Board of Directors Mobile Source Committee	Thursday	24	9:30 a.m.	1st Floor Board Room
Advisory Council Meeting	Monday	28	10:00 a.m.	1st Floor Board Room
Board of Directors Community & Public Health Committee	Wednesday	30	9:30 a.m.	1st Floor Board Room

HL – 7/22/2019 –11:25 a.m.

G/Board/Executive Office/Moncal

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: July 22, 2019

Re: Approval of the Minutes of March 11, 2019

RECOMMENDED ACTION

Approve the attached draft minutes of the Advisory Council meeting of March 11, 2019.

DISCUSSION

Attached for your review and approval are the draft minutes of the Advisory Council meeting of March 11, 2019.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Marcy Hiratzka
Reviewed by: Vanessa Johnson

Attachment 2A: Draft Minutes of the Advisory Council Meeting of March 11, 2019

Draft Minutes – Advisory Council Regular Meeting of March 11, 2019

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

DRAFT MINUTES

Advisory Council Regular Meeting
Monday, March 11, 2019

An audio recording of the meeting is available on the website of the Bay Area Air Quality Management District at
<http://www.baaqmd.gov/about-the-air-district/advisory-council/agendasreports>

1. CALL TO ORDER

Advisory Council (Council) Chair, Stan Hayes, called the meeting to order at 10:06 a.m.

Roll Call:

Present: Council Chair Stan Hayes; Vice Chair Dr. Michael Kleinman; and Members Prof. Severin Borenstein, Dr. Tim Lipman, Dr. Jane Long, and Dr. Linda Rudolph, and Dr. Gina Solomon.

Absent: None.

Also Present: Ex-Officio Advisory Council Member, Rod Sinks, Board of Directors (Board) Liaison.

2. APPROVAL OF THE MINUTES OF OCTOBER 29, 2018

Council Comments

Chair Hayes requested that the following additional language be added to the third page of the Draft Advisory Council Minutes of October 2018, under the Council Comments of the item entitled “Strategic Targets for Assembly Bill 617 Implementation”:

...how the disbanding of the Environmental Protection Agency’s (EPA) Clean Air Scientific Advisory Committee’s Particulate Matter (PM) Review Panel may prompt the need for an independent review by the State of California in tandem with the National Ambient Air Quality Standards’ five-year review of PM; and the difficulty in defining “health equity”.

Council Action

Member Long made a motion, seconded by Vice Chair Kleinman, to **approve** the Minutes of October 29, 2018 as amended; and the motion carried by the following vote of the Council:

AYES: Hayes, Kleinman, Lipman, Long, Rudolph, and Solomon.
NOES: None.
ABSTAIN: Borenstein.
ABSENT: None.

3. PUBLIC COMMENT ON AGENDA MATTERS

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

Council Comments

The Council and staff discussed whether to allow the public to comment on each individual Advisory Council meeting agenda item as each item is heard by the Council, as opposed to the current structure, which only allows two opportunities for public comments (on agenda and non-agenda matters) at Advisory Council meetings; and developing a process in which members of the public may submit documents for the Council’s review, as they relate to upcoming Council agenda matters. Chair Hayes stated that moving forward, he will give the public additional opportunities to comment, prior to the Council deliberating or taking action.

4. DISCUSSION ON ELECTION OF OFFICERS

Chair Hayes read from § 40267 (Advisory Council Officers) of the *2019 California Air Pollution Control Laws* (Health & Safety Code) which explains how the Council’s Chairperson and Vice Chairperson are selected. He stated that he and Vice Chair Kleinman have been the Council’s Chairperson and Vice Chairperson since the Council’s new format of seven members was created in December 2015 and opened a discussion to establish a formal Council Officers selection process and set term limits.

Council Comments

The Council and staff discussed the Chairperson’s ability to adopt a policy on his/her own without the Council’s input; various suggestions for officer term limits; possibilities for reappointment; at what points elections should occur; and the request that Air District staff summarize this discussion and continue it at the next Council meeting.

Council Action

None; receive and file.

5. PRESENTATION OF THE ENVIRONMENTAL PROTECTION AGENCY'S INTEGRATED SCIENCE ASSESSMENT (ISA) FOR PARTICULATE MATTER (EXTERNAL REVIEW DRAFT)

Dr. Jeff McKay, Chief Financial Officer, introduced Jason Sacks, Senior Epidemiologist in the National Center for Environmental Assessment within U.S. EPA's Office of Research and Development, who gave the presentation *Overview of Main Conclusions of the Integrated Science Assessment for PM External Review Draft*, including: disclaimer; overview of the process for reviewing the National Ambient Air Quality Standards for Particulate Matter; weight-of-evidence approach for causality determinations for health and welfare effects; evaluation of the scientific evidence; framework for causality determinations in the ISA; contents of the Draft PM ISA; scope; Executive Summary and Chapter 1; PM concentrations and trends (Chapter 2); exposure to PM (Chapter 3); dosimetry of PM (Chapter 4); Draft PM ISA – health effects: causality determinations and example; respiratory effects (Chapter 5); cardiovascular effects (Chapter 6); nervous system effects (Chapter 8); cancer (Chapter 10); mortality – short-term and long-term PM_{2.5} exposure (Chapter 11); other causality determinations (Chapters 5-10); policy-relevant considerations (Chapter 1); populations potentially at increased risk of a PM-related health effect (Chapter 12); Draft PM ISA – welfare effects: causality determinations; welfare effects (Chapter 13); PM ISA team; supplemental materials; and at-risk framework description.

Council Comments

The Council and staff discussed how the EPA's Office of Research and Development and Office of Air Quality Planning and Standards work together on the ISA; whether health risk exposure, health risk assessment, and cost-benefit analysis are included in the policy analysis; impacts that are to be considered in the risk analysis; how uncertainty and exposure error can influence the effects observed in epidemiology studies, and how difficult it would be to reduce error; how overestimation of health effects can occur if an exposure model has low spatial resolution and underestimates exposures; the difficulty of establishing a universal definition of "ultrafine" particles; how determinations were made that there are likely causal relationships between short and long-term PM_{2.5} exposure and respiratory effects, and how much of those effects are due to ultrafine particles; relative risk or odds ratios from epidemiology studies; health effects from individual chemical components versus PM mass; the difficulty in drawing distinctions between chemical compositions of ultrafine particles and bigger PM; how retrograde transport up the olfactory nerve to the brain relates to particle size fraction; how the EPA's Office of Research and Development will ensure that the ISA is scientifically reviewed by the Clean Air Scientific Advisory Committee, given the recent disbandment of the Committee's PM Review Panel, and whether the former PM Review Panel's research and findings will be considered by whomever reviews the ISA; the ratio of non-accidental to accidental mortality; the likelihood of a study being subjected to publication bias based on the number of cities the study encompasses; whether the data interpretations from long-term exposure studies are comparable to those of short-term exposure studies; the amount of time it takes for health effects to occur from short-term exposure, and what kinds of health effects result in the the Bay Area; whether studies take human defensive measures or averting behaviors into account; the observation that studies are not conducted during major air events, but during average concentration levels; the lack of consistency resulting from studies on health effects on human reproduction (pregnancy and birth) and mortality; whether data exists to confirm that certain populations are at increased risk; the definition of "inadequate" evidence for factors that may increase the risk of PM_{2.5}-related health

effects in a population or life stage, and why a person’s residential location is considered inadequate evidence; climate effects of PM_{2.5}; which party at the EPA makes the final causality determinations; the fact that, should the Council reach different conclusions, evidence, or findings than the EPA, the Air District may base its rulemakings on the findings of the Council; a summarization of comments on the ISA from community health organizations; how the EPA’s Office of Air Quality Planning and Standards determines when a formal risk assessment on PM_{2.5} should be conducted; the fact that health effects are still present in areas with lower concentrations; how much wildfires contribute to annual PM_{2.5} concentrations; how long the EPA will wait, upon the ISA’s completion and review, to conduct a subsequent risk and exposure assessment; challenges determining causality in real time using retrospective analyses; and the EPA’s decision to put metabolic effects into its own category, separate from cardiovascular effects.

Council Action

None; receive and file.

The Council recessed at 12:36 p.m., and resumed at 1:13 p.m.

Public Comments

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

6. PROPOSED PARTICULATE MATTER SYMPOSIUM

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer, explained that the Air District wishes to hold a symposium to focus on the state of the science of PM relative to health effects in the Bay Area. Dr. Jeff McKay, Chief Financial Officer, gave the staff presentation *Particulate Matter Symposium*, stating that the Air District wished to have the Council convene the symposium at its October meeting.

Council Comments

The Council and staff discussed the creation of a temporary ad-hoc committee made up solely of less than a quorum of the Council to plan this event via conference calls; the need for a scientific research and health effects component, followed by a policy and implementation component; the need to include wildfires and the Air District’s wildfire legislation into the discussion; the identification of potential invitees; and whether the symposium should address other environmental and climate issues (such as black carbon, aerosols, water, etc.), the costs of regulation and monetary benefits, and exposure levels in which health effects occur.

Council Action

None; receive and file.

7. **DELIBERATION ON QUESTIONS RELATED TO PARTICULATE MATTER**

Dr. McKay gave the presentation *Deliberation on Questions Related to Particulate Matter*, explaining that Air District staff assumed that the Council would wish to continue discussing particular topics, as they may relate to the upcoming symposium.

Council Comments

The Council and staff discussed the societal tradeoffs of minimizing risk; the concern that the current National Ambient Air Quality Standards are not protective enough; the need to identify whose health needs to be protected most (the general population versus sensitive groups who are at a higher risk); the fact that California has not updated its PM standards since 2003 nor has it set a 24-hour PM_{2.5} standard, and whether the State should do so; how the Air District conducts a cost-effectiveness analysis when proposing a new regulation, and historical benefit-cost ratio trends; whether the Air District monitors ultrafine particles and if so, what the Air District is doing with the data that is collected, and whether there is an interest in a future presentation on this topic; and whether the Air District has analyzed the relationship between particle counts and black carbon.

Council Action

None; receive and file.

8. **REPORT OF THE EXECUTIVE OFFICER/AIR POLLUTION CONTROL OFFICER (OUT OF ORDER, ITEM 9)**

Mr. Broadbent reported the following:

- Air District staff would like to give the Council a status report on the Air District's Wildfire Response Program and corresponding legislation, Assembly Bill 836 (Bay Area Clean Air Incentive Program.)
- Air District staff would like to give the Council an update on the Air District's monitoring program in preparation for the PM symposium.
- The Air District's 2018 Climate Protection Grant Program has awarded \$4.5 million to the following 17 projects at 15 regional public agencies in two program areas: (1) reducing greenhouse gases (GHGs) from existing buildings, and (2) fostering innovative strategies for long-term GHG reduction.
- Upcoming rulemakings include: Draft Regulation 13 - Climate Pollutants; Draft Regulation 13, Rule 2 - Organic Material Handling and Composting Operations; Draft concepts for Regulation 13, Rule 4 - Sewage Treatment and Anaerobic Digestion; and Draft concepts for Regulation 8, Rule 34 - Solid Waste Disposal Sites.
- The Air District has developed and adopted an Expedited Best Available Retrofit Control Technology (BARCT) Implementation Schedule to meet requirements mandated by Assembly Bill 617, which requires air districts to implement BARCT on pollution sources located at facilities subject to the Cap-and-Trade program.
- The Air District's Proposed Fiscal Year Ending 2020 Budget is being drafted.
- Land use conflicts are increasing in the Bay Area, regarding the placement of schools, residences, and centers for sensitive receptors (children and the elderly) in industrial

zones. The Air District’s Board of Directors wishes to provide guidance to cities and counties to prevent placing people at risk.

9. CHAIRPERSON’S REPORT (ITEM 8)

Chair Hayes reported the following:

- He attended an Air & Waste Management Association-sponsored conference entitled “Impacts of Wildfires on Air Quality and Health” in Santa Rosa in mid-February at which Mr. Broadbent, Vice Chair Kleinman, and Eric Stevenson, then Director of Meteorology and Measurement, spoke.
- He will be giving a report on the Council’s activities to the Air District’s Board of Directors meeting on March 20, 2019.
- The Air & Waste Management Association’s 112th Annual Conference will be held in Quebec City on June 25, 2019 to June 28, 2019 and he and Vice Chair Kleinman will be attending.

10. PUBLIC COMMENT ON NON-AGENDA MATTERS

No requests received.

11. COUNCIL MEMBER COMMENTS / OTHER BUSINESS

Board Liaison Sinks thanked the Council members for their time and input, and announced that he will be chairing the Air District’s Stationary Source Committee, which will be discussing Air District Rule 11-18 (Reduction of risk from air toxic emissions at existing facilities) on March 18, 2019.

12. TIME AND PLACE OF NEXT MEETING

At the call of the Chair.

13. ADJOURNMENT

The meeting adjourned at 3:00 p.m.

Marcy Hirtzka
Clerk of the Boards

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: July 22, 2019

Re: Discussion on Election of Officers

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: July 22, 2019

Re: Presentation on Community-Scale Assessments of Air Pollution Impacts to Support
Assembly Bill (AB) 617

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

In September 2018, the California Air Resources Board (CARB) approved the Bay Area Air Quality Management District's (Air District's) recommended communities for development of a monitoring plan or a emission reduction plan for the state's Community Air Protection Program. The Community Air Protection Program was established by the state to implement Assembly Bill (AB) 617. In the first year of the state's program, the Richmond area was selected for a community air monitoring program and West Oakland was selected for a community emissions reduction program .

In West Oakland, the West Oakland Environmental Indicators Project (WOEIP) is a co-lead with the Air District in developing the emissions reduction program and associated West Oakland Community Air Action Plan (Plan). WOEIP has a long history of community planning and advocacy to reduce residents' exposure to diesel particulate matter (diesel PM), toxic air contaminants (TAC), and fine particulate matter (PM_{2.5}). WOEIP and the Air District worked to establish a Steering Committee of community members, agencies, non-government organizations, and businesses to guide the Plan development.

To support the Steering Committee's selection of strategies and targets in the Plan, the Air District conducted an extensive technical assessment of air quality impacts in West Oakland. The technical assessment relies on detailed emissions inventories and a modeling-based approach to identify what sources contribute most to community impacts from diesel PM, TAC, and PM_{2.5}. Measurements studies will be used in the future to evaluate and improve the inventories and modeling. This approach highlights where inventories need extra refinement and may serve as a model for assessing cumulative impacts from local sources of PM and other pollutants.

Such analyses may be augmented by a method for assigning health risk from PM_{2.5}. The US Environmental Protection Agency's (EPA's) Environmental Benefits Mapping and Analysis Program-Community Edition (BenMAP-CE), which estimates the health and economic impacts

of changes in air quality, is being evaluated for use in developing risk assessments from PM. Air District staff are working with health officials at US EPA's National Center for Environmental Assessment (NCEA) and CalEPA's Office of Environmental Health Hazard Assessment (OEHHA) to develop methods for conducting PM assessments like those conducted for cancer risk from TAC.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared By: Phil Martien
Reviewed By: Greg Nudd and 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: July 22, 2019

Re: Update on Wildfire Response Efforts

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.

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.

DISCUSSION

Over the last year, the Air District developed the Wildfire Air Quality Response Program (WAQRP), a comprehensive, multi-faceted program intended to prevent, prepare for, and respond to future wildfires, and to ensure that health protective measures and strategies are in place during wildfire smoke events. The Air District has been working on a number of important initiatives including: legislation, outreach and education, regulations and planning strategies. Staff have been working closely with cities, counties and state agencies to coordinate

preparedness efforts and develop long term partnerships in anticipation that wildfires are becoming the new normal. As part of this agenda item, staff will brief the Advisory Council on the status of these ongoing efforts.

BUDGET CONSIDERATIONS/FINANCIAL IMPACTS

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Tracy Lee
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: July 22, 2019

Re: Discussion Regarding Particulate Matter (PM) Symposium

RECOMMENDED ACTION

None; receive and file.

DISCUSSION

Air District staff previously proposed 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.

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.

Staff would like to provide an update on the status of planning, including plans to extend the work over multiple Advisory Council meetings.

BUDGET CONSIDERATION/FINANCIAL IMPACT

None.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Justine Buenaflor
Reviewed by: Jeff McKay