



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

ADVISORY COUNCIL REGULAR MEETING

WEDNESDAY
MARCH 11, 2015
9:00 A.M.

7TH FLOOR BOARD ROOM
939 ELLIS STREET
SAN FRANCISCO, CA 94109

AGENDA

CALL TO ORDER

1. **Opening Comments**
Roll Call

Liza Lutzker, Chairperson
Clerk

The Chairperson shall call the meeting to order and make opening comments. The Clerk of the Boards shall take roll of the Advisory Council members.

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

Pursuant to Government Code Section 54954.3, the public has the opportunity to speak on any agenda item. All agendas for Advisory Council meetings are posted at the District, 939 Ellis Street, San Francisco, California 94109 at least 72 hours before a meeting. At the beginning of the meeting, an opportunity is also provided for the public to speak on any subject within the Advisory Council's purview. Speakers are limited to three minutes each.

Staff/Phone (415) 749-

3. **APPROVAL OF THE MINUTES OF FEBRUARY 11, 2015**

Clerk of the Boards/5073

The Advisory Council will consider approving the draft minutes of the Advisory Council Regular Meeting of February 11, 2015.

PRESENTATIONS

4. **Urban Heat Island Effects on Energy Use, Climate, Air Pollution, Greenhouse Gases (GHGs) and Health**

S. Tanrikulu, Advisory Council Liaison/4787

A speaker from the Lawrence Berkeley National Laboratory will present materials on urban heat island and the mitigation of urban heat island effects by adopting cool roofs and pavements.

Mitigation of Urban Heat Island
Ronnen Levinson, Ph.D.
Staff Scientist
Urban Heat Island Group
Lawrence Berkeley National Laboratory
Berkeley, CA

DISCUSSION

5. Discussion of Advisory Council Presentation to the Board of Directors

S. Tanrikulu, Advisory Council Liaison/4787

The Advisory Council will discuss presenting a summary of the Advisory Council's 2014 activities to the Board of Directors.

OTHER BUSINESS

6. Chairperson's Report

Liza Lutzker, Chairperson

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

7. Advisory Council Member Comments/Other Business

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

8. Time and Place of Next Meeting

April 8, 2015 at 9:00 a.m. at 939 Ellis Street, San Francisco, California 94109, 7th Floor Board Room.

9. Adjournment

The Advisory Council meeting shall be adjourned by the Chairperson.

CONTACT:

MANAGER, EXECUTIVE OPERATIONS
939 ELLIS STREET, SAN FRANCISCO, CA 94109
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(415) 749-5016
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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 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.
- To request special accommodations for those persons with disabilities notification to the Clerk’s Office should be given in a timely manner, so that arrangements can be made accordingly.

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 939 Ellis Street, San Francisco, CA 94109, at the time such writing is made available to all, or a majority of all, members of that body.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET, SAN FRANCISCO, CALIFORNIA 94109
FOR QUESTIONS PLEASE CALL (415) 749-5016 or (415) 749-4941

EXECUTIVE OFFICE:
MONTHLY CALENDAR OF AIR DISTRICT MEETINGS

MARCH 2015

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i> CANCELLED	Wednesday	4	9:45 a.m.	Board Room
Board of Directors Public Outreach Committee <i>(Meets at the call of the Chair)</i>	Thursday	5	9:30 a.m.	Board Room
Advisory Council Regular Meeting <i>(Meets on the 2nd Wednesday of each Month)</i>	Wednesday	11	9:00 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	16	9:30 a.m.	Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	16	10:30 a.m.	Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	18	9:45 a.m.	Board Room
Board of Directors Climate Protection Committee <i>(Meets on the 3rd Thursday of Every Other Month)</i>	Thursday	19	9:30 a.m.	Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	25	9:30 a.m.	Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	26	9:30 a.m.	Board Room

APRIL 2015

<u>TYPE OF MEETING</u>	<u>DAY</u>	<u>DATE</u>	<u>TIME</u>	<u>ROOM</u>
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	1	9:45 a.m.	Board Room
Advisory Council Regular Meeting <i>(Meets on the 2nd Wednesday of each Month)</i>	Wednesday	8	9:00 a.m.	Board Room
Board of Directors Regular Meeting <i>(Meets on the 1st & 3rd Wednesday of each Month)</i>	Wednesday	15	9:45 a.m.	Board Room
Board of Directors Executive Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	20	9:30 a.m.	Board Room
Board of Directors Stationary Source Committee <i>(Meets on the 3rd Monday of each Month)</i>	Monday	20	10:30 a.m.	Board Room
Board of Directors Budget & Finance Committee <i>(Meets on the 4th Wednesday of each Month)</i>	Wednesday	22	9:30 a.m.	Board Room
Board of Directors Mobile Source Committee <i>(Meets on the 4th Thursday of each Month)</i>	Thursday	23	9:30 a.m.	Board Room

SG – 2/24/15 (9:00 a.m.)

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Memorandum

To: Chairperson Liza Lutzker and Members
of the Advisory Council

From: Jack P. Broadbent
Executive Officer/Air Pollution Control Officer

Date: February 25, 2015

Re: Approval of the Minutes of February 11, 2015

RECOMMENDED ACTION

Approve the attached draft minutes of the regular meeting of the Advisory Council of February 11, 2015.

DISCUSSION

Attached for your review and approval are the draft minutes of the Advisory Council regular meeting of February 11, 2015.

Respectfully submitted,

Jack P. Broadbent
Executive Officer/APCO

Prepared by: Sean Gallagher
Reviewed by: Maricela Martinez

Attachment: Draft Minutes of the Advisory Council Regular Meeting of February 11, 2015

Draft Minutes – Advisory Council Regular Meeting of February 11, 2015

Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
(415) 749-5073

DRAFT MINUTES

Advisory Council Regular Meeting
Wednesday, February 11, 2015

Note: An audio recording of the meeting is available on the website of the Bay Area Air Quality Management District at <http://www.baaqmd.gov/The-Air-District/Board-of-Directors/Advisory-Council/Agendas-and-Minutes.aspx>.

1. CALL TO ORDER

Chairperson Liza Lutzker called the meeting to order at 9:11 a.m.

Roll Call:

Present: Chairperson Liza Lutzker, M.P.H.; Vice-Chairperson Jessica Range, LEED A.P.; Secretary Jonathan Cherry, A.I.A.; and Members Sam Altshuler, P.E., Robert Bornstein, Ph.D., Harold Brazil, Stan Hayes, Frank Imhof, Kraig Kurucz, Rick Marshall, P.E., P.L.S., Bruce Mast, Sara T L. Mayer, M.P.P., and Laura E. Tam.

Absent: Members Ana M. Alvarez, D.P.P.D., and Timothy O'Connor, Esq.

Also Present: None.

2. PUBLIC COMMENT ON NON-AGENDA MATTERS: No requests received.

1. CALL TO ORDER (CONTINUED)

Opening Comments:

Member Bornstein welcomed Lou Robinson, former Director of the Planning, Rules and Research Division, in the audience, who then announced his attendance to be in the memory of Jim Sandberg. The Advisory Council (Council) and Mr. Robinson exchanged pleasantries.

NOTED PRESENT: Member Marshall was noted present at 9:14 a.m.

3. APPROVAL OF THE MINUTES OF THE COUNCIL REGULAR MEETING AND RETREAT OF JANUARY 14, 2015

Council Comments: None.

Public Comments: No requests received.

Council Action:

Member Kurucz made a motion, seconded by Member Altshuler, to approve the minutes of the Council meeting of January 14, 2015.

Council Comments:

The Council discussed the improvement in the minutes since the format change implemented in 2014 and the availability of audio and video recordings of the proceedings for those who are interested in a greater level of detail.

Council Action:

The motion carried by the following vote of the Council:

AYES: Altshuler, Bornstein, Cherry, Hayes, Imhof, Kurucz, Lutzker, Marshall, Mast, Mayer, Range and Tam.
NOES: None.
ABSTAIN: Brazil.
ABSENT: Alvarez and O'Connor.

PRESENTATION

4. Urban Heat Island Effects on Energy Use, Climate, Air Pollution, Greenhouse Gases (GHGs) and Health

Jean Roggenkamp, Deputy Air Pollution Control Officer, introduced the topic and announced that Professor Jorge E. Gonzalez will not be able to attend today's meeting but Member Bornstein will be presenting on behalf of Prof. Gonzalez, with his permission.

Prof. Jorge E. Gonzalez (in absentia)
The City College of New York
140 Convent Avenue
New York, NY

Member Bornstein gave a presentation by Prof. Gonzalez entitled *The Urban Heat Island in Coastal/Urban Environments* (a copy of which is available on the website of the Bay Area Air Quality Management District at <http://www.baaqmd.gov/The-Air-District/Board-of-Directors/Advisory-Council/Agendas-and-Minutes.aspx>).

The Council discussed, at slide 11, *San Juan F5 Mosaic Temperature*, the impact of humidity, wind and ambient temperature on the urban heat island effect.

Member Bornstein continued the presentation.

The Council discussed, at slide 28, *Impacts on Peak Summer Electricity-Trends for 1993-2004 (Kw/person/decade)*, the need for finer scale data in light of variables such as older homes without air conditioning systems and homes with natural gas systems.

Member Bornstein continued the presentation.

The Council and staff discussed, at slide 50, *Mitigation (white roofs) Impacts on Ozone (Sacramento)*, the meaning and cause of the peaks; the nonlinear impact of temperature on ozone and the urban heat island effect; and the public health implications by geographic region.

Member Bornstein concluded the presentation.

Council Comments:

The Council and staff discussed the relevancy of the urban heat island effect in the Bay Area; the challenge of furthering the advanced air quality campaign of the Bay Area in the face of transport from activities such as trash burning in neighboring regions; the accuracy of slide 7, *Urban Heat Island Induced Problems & Hazards*, regarding “each kilowatt hour of electricity consumed can produce up to 2.3 pounds of carbon dioxide;” urban heat island as a potential positive for cities in the eastern U.S. during the winter months; the intensification of regional weather extremes as a possible result of climate change; the concept of classifying ozone as a GHG, particularly as it is found in the troposphere; the advisability of wet, white roofs during the summer months; the impact of agricultural evaporation on temperature in the surrounding areas; the urban forest plan approved by the City and County of San Francisco without the necessary funding for maintenance; urban forest maintenance issues; the discovery of indirect public health impacts of urban heat islands; the importance of cooling opportunities, not merely maximum temperatures, in the urban heat island effect; whether maps exist which plot the indirect public health impacts of heat waves; the elderly as the most vulnerable segment of the population during heat waves; what slide 17, *San Juan Puerto Rico*, is meant to reveal; the possible compatibility between the sustainable energy need for rooftop solar and the green / white rooftops for urban heat island abatement.

Public Comments: No requests received.

Council Action: None; receive and file.

DISCUSSION

5. Discussion of Draft Report on the Council’s Meeting on October 8, 2014

Council Comments:

The Council deliberated upon proposed revisions to the draft report on the Council meeting on October 8, 2014.

Public Comments: No requests received.

Council Action:

Member Marshall made a motion, seconded by Member Mast, to approve the draft report on the Council meeting on October 8, 2014, as amended at today’s meeting and subject to grammatical changes by Chairperson Lutzker; and the motion carried by the following vote of the Council:

AYES: Altshuler, Bornstein, Brazil, Cherry, Hayes, Imhof, Kurucz, Lutzker, Marshall, Mast, Mayer, Range and Tam.
NOES: None.
ABSTAIN: None.
ABSENT: Alvarez and O’Connor.

6. Discussion of Council Presentation to the Board of Directors (Board)

Council Comments:

The Council deliberated upon proposed revisions to the draft presentation to the Board on Council activities in 2014 and possible scheduling of Council presentations to the Board and its committees.

Public Comments: No requests received.

Council Action: None; receive and file.

OTHER BUSINESS

7. Chairperson’s Report

Chairperson Lutzker announced the Air District’s invitation to send four Council members to the Air & Waste Management Association Annual Conference & Exhibition 2015, encouraged interested members to contact her, and requested a staff update on the Council transition from its current form to its restructured one on July 1, 2015.

8. Council Member Comments / Other Business:

Member Tam announced an upcoming event on February 24, 2014, entitled *Planning for Low-Carbon Communities*, presented by San Francisco Planning and Urban Renewal Association.

9. Time and Place of Next Meeting:

Wednesday, March 11, 2015, Bay Area Air Quality Management District Headquarters, 939 Ellis Street, San Francisco, CA 94109 at 9:00 a.m.

10. Adjournment: The meeting adjourned at 12:06 p.m.

Sean Gallagher
Clerk of the Boards