

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

## **APPROVED 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.

*IS/ Sean Gallagher*  
Sean Gallagher  
Clerk of the Boards