

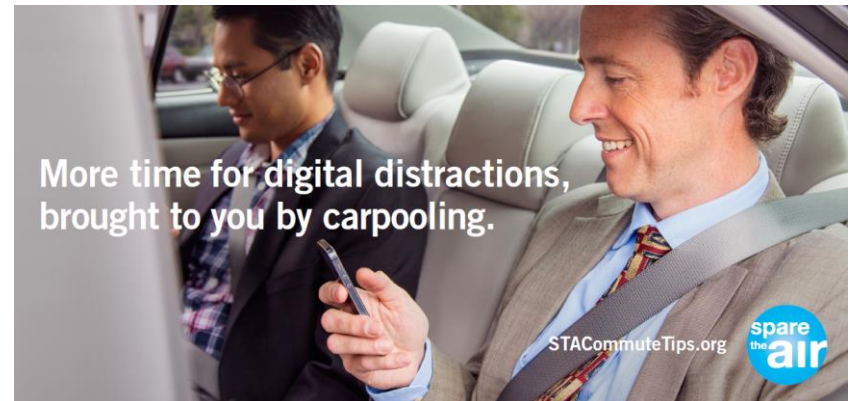
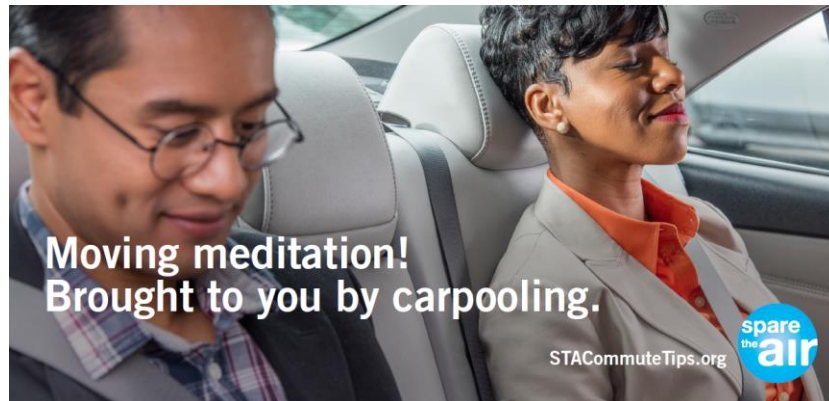
# *Public Engagement Committee Update*

Lisa Fasano  
Board of Directors Meeting  
May 18, 2016





# Advertising Campaign

- Print, outdoor, transit, radio, online and mobile ads focus on the many benefits of carpooling



# Radio Advertising

- Meet Claire 
- Meet Bob 



# TV Advertising





# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

THURSDAY, OCTOBER 13 AND FRIDAY, OCTOBER 14, 2016  
MISSION BAY CONFERENCE CENTER @ UCSF

## CLIMATE FORWARD BAY AREA: A LEADERSHIP FORUM

BRINGING TOGETHER TECHNOLOGY, GOVERNMENT, NGO, AND INDUSTRY  
LEADERS IN A FORUM TO SHARE IDEAS AND APPROACHES TO REDUCING  
LOCAL GREENHOUSE GASES WHILE MAINTAINING ECONOMIC VIABILITY.



### GUEST SPEAKER: VAN JONES

CNN Political Contributor and The New  
York Times best-selling author Van Jones  
has been confirmed as a keynote speaker.

# Confirmed Speakers



Van Jones - CNN Political Contributor and *The New York Times* best-selling author Van Jones has been confirmed as our keynote speaker



Cisco Devries – Innovative leader on clean energy finance, developed the concept of PACE, co-founder of Renew Financial



Vien Truong – Leads Green For All, a national initiative to build an inclusive green economy strong enough to lift people out of poverty.



Dr. Chris Field - Chris Field is the founding director of the Carnegie Institution's Department of Global Ecology, Professor for Interdisciplinary Environmental Studies at Stanford University, 2007 Nobel Prize winner and was co-chair of a working group for the Intergovernmental Panel on Climate Change.



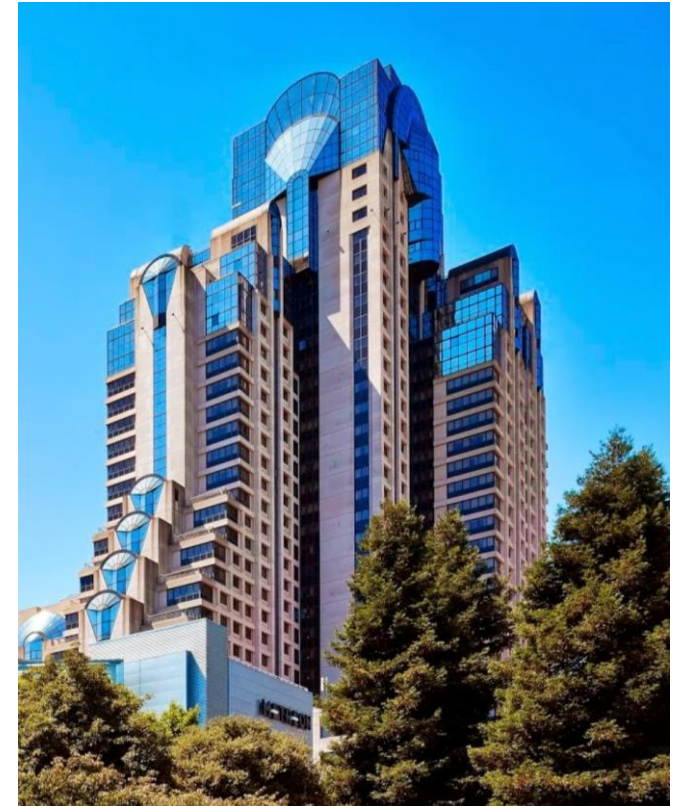
# Conference Logistics

- Save the Date information out in end of May
- Invitations will be sent in August
- Block of rooms on hold:

**Marriott Marquis Hotel**

**780 Mission St, San Francisco**

**(415) 896-1600**





BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# Public Hearing to Consider Adoption of Proposed Revisions to the Bay Area Air Quality Management District Manual of Procedures

**Board of Directors Meeting  
May 18, 2016**

**William T. Saltz  
Rule Developer**







# Overview

- Manual of Procedures
- Regulation 11, Rule 10
- Volume IV – Modified El Paso Method
- Volume IX – Water Sampling
- MOP Revision Development Process
- Conclusions
- Recommendations



# Manual of Procedures

- 8 volumes of required guidelines
- Needed Updates
- Rule 11-10
- Volume IV
- Volume IX



# Volume IV: ST-40

## Adapted Modified El Paso Method

- ST-40 is a new Air District method that refineries may use as an option to detect hydrocarbon leaks in cooling tower water.
- The Modified El Paso Method (MEPM) is an air stripping method devised in Texas to detect highly reactive VOCs, which are a smaller subset of all VOCs in the system.
- ST-40 has revised elements of MEPM to make the procedure more aligned with the needs to comply with Rule 11-10.





# Volume IX: Procedure-1 Water Sampling

- Procedure-1 is a new Air District water sampling procedure that refineries may use as an option to detect hydrocarbon leaks in cooling tower water.
  - Water sampling methodology
    - Associated laboratory analysis methodology





# MOP Development Process

- Developed conceptual versions of the draft procedures, including description of the concepts;
- Observed refinery cooling tower hydrocarbon leak detection events using the MEPM at the Valero Refinery as part of the process of assessing the MEPM, in addition to performing testing and information-gathering on proposed methods and equipment;
- Had discussions with knowledgeable staff at the EPA and State of Texas Commission on Environmental Quality;
- Hosted a workshop at the Air District Office on March 21, 2016 and a follow-up meeting with the refineries and WSPA on April 19, 2016 to solicit comments on the draft MOP revisions; and,
- Made several minor changes to both of the procedures to address industry concerns and ensure that refineries generate repeatable and accurate data from their cooling tower hydrocarbon leak detection methods.





# Conclusions

## Proposals:

- The proposed new MOP guidelines will support new Regulation 11, Rule 10 approved on December 16, 2015.
- The new procedures are necessary to provide petroleum refineries guidelines for hydrocarbon leak detection methods.
- No additional socioeconomic impacts beyond what was already analyzed prior to adoption of Rule 11-10.
- No environmental impacts.



# Recommendations

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- Adopt proposed new MOP Volume IV Air Stripping Method ST-40.
- Adopt proposed new MOP Volume IX Water Sampling Procedure P-1.

