

August 15, 2014

Mail-Out #MSC14-11

TO: All Interested Parties

SUBJECT: NOTICE OF PUBLIC WORKSHOPS ON TECHNOLOGY ASSESSMENTS FOR TRUCKS AND BUSES, TRANSPORT REFRIGERATION UNITS, RAIL, FUELS, OCEAN GOING VESSELS, COMMERCIAL HARBOR CRAFT, CARGO HANDLING EQUIPMENT, AND AVIATION

**Diamond Bar**

Date: Tuesday, September 9, 2014  
Time: 10:00 a.m. – 2:30 p.m.  
Location: South Coast Air Quality Management District  
Auditorium – 21865 Copley Drive  
Diamond Bar, California 91765  
Webcast at: <http://www.aqmd.gov/home/library/webcasts>  
Sectors: **Ocean Going Vessels, Commercial Harbor Craft, Cargo Handling Equipment, Aviation**

Note that the Commercial Harbor Craft technology assessment is being lead by South Coast Air Quality Management District staff, in coordination with ARB staff, and they are hosting the workshop on September 9, 2014.

For those unable to attend in person, a live internet broadcast (webcasting) will be available. The broadcast can be accessed on the day of the workshops at the links listed above. An email address will also be available to submit questions or comments.

**Background**

ARB's 2012 Vision modeling showed that California will require a transformation to advanced technologies to achieve the significant emission reductions in oxides of nitrogen (NOx) and greenhouse gases (GHGs) needed to meet 2023 and 2032 ozone air quality standards and 2050 climate goals. To achieve those goals, California must develop and implement strategies to deploy advanced mobile source technologies and cleaner, renewable fuels. These technology assessments are the first step in that process. The technology assessments strive to answer the questions – how mature is the technology or fuel, in which applications does it work, and what might be done to further development and deployment?

The technology assessments will evaluate the current state and projected development over the next 5 to 10 years of mobile source technologies and fuels. For each technology, the assessment will include:

- a description of the technology;
- its suitability in different applications;
- the current state of technology development;
- current per-vehicle/equipment costs,
- anticipated costs at widespread deployment;
- emissions levels.

**TENTATIVE AGENDA  
Air Resources Board  
Technology Assessment Workshop**

Tuesday, September 9, 2014  
10:00 am – 3:00 pm

South Coast Air Quality Management District  
21865 Copley Dr. - Diamond Bar CA 91765  
Webcast at: <http://www.aqmd.gov/home/library/webcasts>

**INTRODUCTION: 10 – 10:10 am**

**Ocean Going Vessels 10:10 – 11 am**

**Commercial Harbor Craft 11am – 12 noon**

**LUNCH 12 -12:30 pm**

**Cargo Handling Equipment 12:30 – 1:30 pm**

**Aviation 1:30 – 2:30 pm**

**Technology and Fuels Assessment Summary 2:30-3 pm**



# Technology and Fuels Assessments - Workshop Presentations

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*This page last reviewed September 2, 2014*

## **September 2, 2014 Workshop - Trucks and Buses**

- Workshop Agenda
- Introduction
- Truck & Bus Sector Description
- Engine/Powerplant Optimization & Vehicle/Trailer Efficiency
- Engine/Powerplant Optimization Handout
- Truck In-Use (I&M)
- Lower-Emission Diesel Engines
- Lower-Emission Natural Gas and Other Alternative Fuels
- Hybrid Trucks
- Battery Electric Trucks
- Fuel Cell Trucks
- Truck Summary

## **September 3, 2014 Workshop - TRU, Rail, & Fuels**

- Workshop Agenda
- Introduction
- Transport Refrigeration Units (TRU)
- Rail
- Rail Handout
- Fuels

## **September 9, 2014 Workshop - OGV, CHC, CHE, Aviation, & Summary**

- Workshop Agenda
- Introduction
- Ocean Going Vessels (OGV)
- Commercial Harbor Craft (CHC)
- Cargo Handling Equipment (CHE)
- Aviation
- Technology & Fuels Assessment Summary

## **Questions on the Website?**

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