



Air Resources Board



Matthew Rodriguez
Secretary for
Environmental Protection

Mary D. Nichols, Chairman
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov

Edmund G. Brown Jr.
Governor

DATE: March 26, 2015

Mail-Out # 15-08

TO: All Interested Parties

SUBJECT: NOTICE OF SYMPOSIUM ON CALIFORNIA'S DEVELOPMENT OF ITS
PHASE 2 GREENHOUSE GAS EMISSION STANDARDS FOR ON-
ROAD HEAVY-DUTY VEHICLES

The staff of the Air Resources Board (ARB or Board) invites you to attend a symposium on California's development of its Phase 2 greenhouse gas (GHG) emission standards for on-road heavy-duty vehicles. Representatives from environmental government agencies, engine manufacturers, component suppliers, environmental policy and technical research organizations, and trucking fleets will participate in panel discussions to present the latest information on technology options, including their associated emission reduction potential and costs, expected for use in the post-2020 timeframe to reduce fuel consumption, improve tractor-trailer efficiency, and assist efforts to achieve California's climate goals.

The symposium will be held at the following time and place:

Date: Wednesday, April 22, 2015
Time: 9:00 am to 5:30 pm
Place: South Coast Air Quality Management District
Auditorium*
21865 Copley Drive
Diamond Bar, California 91765

For those unable to attend in person, a live internet broadcast (webcasting) of this symposium will be available. Instructions for accessing the webcast symposium, including the web link, will be posted on ARB's website (address shown below) prior to April 22nd. On the day of the symposium, attendees participating via webcast will be able to submit questions or comments by emailing the following: Phase2@arb.ca.gov.

A draft symposium agenda is attached. The final agenda and presentations will be posted on ARB's website prior to the symposium at:
<http://www.arb.ca.gov/msprog/onroad/caphase2ghg/caphase2ghg.htm>.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

Background

California has made substantial progress in reducing emissions from all mobile sources, with many vehicles sold today being over 90 percent cleaner than those sold just a decade ago. However, despite this progress, these vehicles and equipment remain major contributors to statewide emissions of oxides of nitrogen (NOx), greenhouse gases (GHG), and diesel particulate matter (diesel PM). Compared to 2010 levels, approximately 90 percent reduction in NOx emissions by 2031 will be necessary in the South Coast Air Basin to achieve compliance with the current federal ozone standards. Statewide, an 80 percent reduction in GHG emissions from 1990 levels by 2050 will be necessary to meet California's climate goals. This long-range climate target is required by California Executive Order 3-3-05, and builds on the nearer-term 2020 climate target required by Assembly Bill 32, the Global Warming Solutions Act of 2006 (Núñez; Chapter 488, Statutes of 2006). Significant improvements in efficiency and the use of renewable fuels are also needed to meet Governor Brown's 2030 petroleum reduction target of 50 percent. Finally, continued reductions in diesel PM and air toxics are necessary to reduce localized health risks and protect public health.

This symposium is an opportunity for leading government, industry, and environmental stakeholders to engage in an open discussion regarding efforts to further reduce GHG emissions from on-road heavy-duty vehicles in anticipation of the U.S. Environmental Protection Agency's and the National Highway Traffic Safety Administration's release of proposed federal Phase 2 standards later this spring. The proposed federal Phase 2 standards will expand upon approved federal Phase 1 GHG standards affecting 2014 and newer model year engines and tractors, which the Board approved in late 2013 for incorporation into California's heavy-duty vehicle control program.

California has been cooperatively working with both federal agencies in the development of the federal Phase 2 standards. At the State level, a critical issue is the need to ensure that California maintains its progress in reducing NOx emissions while further reducing GHG emissions. The symposium will include an assessment of technology options, their emission reduction potentials, and their associated costs. Information presented at the symposium will help to inform California's consideration of its Phase 2 program, expected in late 2016 or 2017, and how that program, along with other strategies, can assist California in meeting its near- and long-term emission and petroleum reduction goals.

Special Accommodations

If you require a special accommodation or need this document in an alternate format (i.e., Braille, large print) or another language, please contact Ms. Phuong Ho,

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Air Resources Technician, at (916) 322-4687 or at Phuong.Ho@arb.ca.gov as soon as possible, but no later than 10 business days before the scheduled meeting. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

If you have any questions regarding the symposium, please contact Ms. Krista Fregoso, Air Pollution Specialist, at (916) 445-5035 or at Krista.Fregoso@arb.ca.gov.

Sincerely,

/s/

Erik White, Chief
Mobile Source Control Division

Attachment

cc: Ms. Krista Fregoso
Air Pollution Specialist
Mobile Source Control Division

Ms. Phuong Ho
Air Resources Technician
Mobile Source Control Division

Attachment

**AIR RESOURCES BOARD SYMPOSIUM ON
CALIFORNIA'S DEVELOPMENT OF ITS PHASE 2 GREENHOUSE GAS
EMISSION STANDARDS FOR ON-ROAD HEAVY-DUTY VEHICLES**

April 22, 2015

DRAFT AGENDA

The final agenda with confirmed presenters and presentations will be posted prior to the symposium on ARB's website at:

<http://www.arb.ca.gov/msprog/onroad/caphase2ghg/caphase2ghg.htm>.

9:00 am – 9:15 am	Welcome and Opening Remarks – Dr. Alberto Ayala, Deputy Executive Officer, ARB
9:15 am – 10:45 am	California's Climate Challenges: Reducing GHG Emissions from the Heavy-Duty Vehicle Sector while Making Progress on NOx Presentations and Discussion: <ul style="list-style-type: none">• California Perspective• South Coast Perspective• Section 177 States Perspective• U.S. Department of Energy: SuperTruck Program
10:45 am – 12:00 am	Phase 2 Advanced GHG Technologies for Engines, Powertrains, and Vehicles Presentations and Discussion: <ul style="list-style-type: none">• ARB Technology Assessments• Non-Governmental Organization Perspectives
12:00 pm – 1:00 pm	Break for Lunch
1:00 pm – 3:40 pm	Phase 2 Advanced Technologies for Engines, Powertrains, and Vehicles – continued: <ul style="list-style-type: none">• Non-Governmental Organization Perspectives – cont.• Engine and Vehicle Manufacturer Perspectives• Truck and Engine Component Supplier Perspectives
3:40 pm – 4:00 pm	Break
4:00 pm – 5:05 pm	Trucking Fleet Experiences: Implementing Advanced Technologies Today
5:05 pm – 5:15 pm	Next Steps and Symposium Wrap-Up
5:15 pm – 5:30 pm	Closing Remarks