



Terry Tamminen
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

9480 Telstar Avenue, Suite 4
El Monte, California 91731 www.arb.ca.gov



Arnold Schwarzenegger
Governor

DATE: April 2, 2004 Mail-Out No. MSC 04-06

TO: All Interested Parties

SUBJECT: CHANGE OF LOCATION FOR TECHNOLOGY ASSESSMENT
WORKSHOP REGARDING CLIMATE CHANGE EMISSION
REGULATIONS FOR LIGHT-DUTY VEHICLES

The Air Resources Board (ARB) staff will conduct a public workshop on April 20, 2004. The location of this workshop has changed from 9530 Telstar Avenue in El Monte, California to 1001 "I" Street in Sacramento, California. We apologize for any inconvenience this may cause.

During the workshop, staff will present information on technologies recently evaluated for their potential to provide feasible and cost-effective reductions in climate change pollutants from passenger vehicles, light-duty trucks, and other vehicles whose primary use is non-commercial personal transportation. These technologies include modifications to conventional engines and drivetrains, improvements to mobile air conditioning systems, alternative-fuel vehicles, and hybrid electric vehicles. Mobile source climate change pollutants include carbon dioxide, methane, nitrous oxide, and hydrofluorocarbons. Questions and feedback from the public will be encouraged.

The workshop will be held at the time and location shown below:

Workshop Date: April 20, 2004

Time: 9:00 a.m. to 5:00 p.m.

Location: California Environmental Protection Agency
Central Valley Auditorium, 2nd Floor
1001 "I" Street,
Sacramento, California 95814

<http://www.arb.ca.gov/maps/sactomap.htm>
This workshop will be webcast.

The workshop is accessible to persons with disabilities. Persons with hearing or speech impairments can contact us by using our Telephone Device for the Deaf (TDD) at (916) 324-9531, or (800) 700-8326 for TDD calls from outside the Sacramento area.

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

The staff's technology evaluation includes results from advanced vehicle and engine simulation modeling that was performed for available and emerging technologies that offer reductions in climate change pollutants. ARB staff has evaluated emission reductions and costs associated with various technologies and "technology packages." The simulation modeling takes into account the fact that benefits from technology packages are not necessarily a sum of the benefits from individual technologies. The modeling results have been used to assess the cost-effectiveness of different technologies and technology packages so that the most cost-effective approaches can be identified. In addition, staff's technology evaluation considers the benefits, costs, and cost-effectiveness of improved mobile air conditioning systems and hybrid-electric and alternative-fuel vehicle technologies.

Additional information on the workshop, when available, can be found at the ARB climate change web site (<http://www.arb.ca.gov/cc/cc.htm>). This web site will be updated regularly with information applicable to this workshop. It is recommended that attendees check this web site periodically for additional background materials pertaining to the workshop. Alternatively, if you wish to receive e-mail notification of updates on the workshop and Assembly Bill 1493 implementation, please register for our Global Climate Change list serve at <http://www.arb.ca.gov/listserv/cc/cc.htm>. If you have any questions about the workshop, please contact Ms. Lori Berard, Staff, Emission Research Section, at (626) 575-6693, or at lberard@arb.ca.gov. If you have any questions or comments about refrigerant emissions associated with vehicle air conditioning systems, please contact Mr. Richard Corey, Chief, Research and Economic Studies Branch, Research Division, at (916) 322-7077, or at rcorey@arb.ca.gov. For all other technical questions, please contact Mr. Paul Hughes, Manager, Low-Emission Vehicle Section, at (626) 575-6977, or at phughes@arb.ca.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Bob Cross", followed by a long horizontal line extending to the right.

Robert H. Cross, Chief
Mobile Source Control Division

Attachment

**AVAILABILITY OF INCORPORATED DOCUMENTS ON THE INTERNET
REQUEST FOR DOCUMENTS**

An electronic version of the workshop report, which incorporate Appendices A, B, and D, and Appendices C.1, C.2, C.3 and C.4, can be found on ARB's website at <http://www.arb.ca.gov/cc.cc.htm>. If you would like a hard copy of these documents please fill out this form and mail or fax it to:

Ms. Adriann Medina
Mobile Source Control Division
9528 Telstar Avenue
El Monte, California 91731
Fax: (626) 575-7012

- _____ "Draft Technology and Cost Assessment for Proposed Regulations to Reduce Vehicle Climate Change Emissions Pursuant to Assembly Bill 1493"

- _____ Appendix C.1, "Mobile Air Conditioning System Technology Assessment," California Air Resources Board, Research Division

- _____ Appendix C.2, "Air Conditioning Thermodynamics," California Air Resources Board, Research Division

- _____ Appendix C.3, "HFC-134a Emissions from Current Light- and Medium-Duty Vehicles," California Air Resources Board, Research Division

- _____ Appendix C.4, "Mobile Air Conditioning Systems - Indirect Emissions," California Air Resources Board, Mobile Source Control Division

Name: _____

Address: _____
