

LOCATION:

Air Resources Board
Byron Sher Auditorium, Second Floor
1001 I Street
Sacramento, California 95814

PUBLIC MEETING AGENDA

This facility is accessible by public transit. For transit information, call (916) 321-BUSS, website: <http://www.sacrt.com>
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February 24 - 25, 2005
9:00 a.m./8:30 a.m.

Agenda
Item #

05-2-1 Report to the Board on a Health Update - Association Between Exposure to Traffic and Heart Disease

Staff will present the results of a study that found an association between exposure to traffic and onset of a heart attack within one hour afterwards. This study, which was carried out in Germany, found that the time spent in cars, on public transportation, motorcycles or bicycles was consistently linked with an increase in the risk for a heart attack.

05-2-2 Public Board Hearing to Consider Proposed Modifications to the Fleet Rule for Transit Agencies and the Addition of Requirements for Transit Fleet Vehicles

Transit agencies have been required, since 2001, to reduce NOx and PM emissions from their urban buses. Staff believes it is appropriate and necessary to add requirements for transit agencies to reduce emissions from the buses and trucks they own or operate but which are not covered under the current rule. In addition, staff is proposing several clean-up amendments for the rules that apply to transit agencies. Staff's proposal has five elements: new NOx and PM fleet emission standards for buses and trucks owned and operated by public transit agencies that are not urban buses, which staff terms "transit fleet vehicles"; new sections to address the issue of a schedule for emission reductions for a new transit agency established after adoption of the regulations; addition of a diesel PM fleet standard applicable to urban buses to allow for fleet growth while maintaining emission reductions; clarifying language for the adopted 2004 to 2006 model year diesel hybrid electric urban bus engine standard to address non-methane hydrocarbon, carbon monoxide, and formaldehyde emission standards; and renumbering of existing Fleet Rule for Transit Agencies [title 13, California Code of Regulations (CCR), sections 1956.2-1956.4], currently located with engine emission standards, to new sections set aside for rules controlling diesel particulate emissions from fleets.

05-2-3 Public Meeting to Consider the Approval of New Grants Under the Innovative Clean Air Technologies (ICAT) Program

In response to a public solicitation of applications, the ARB staff has received 14 project proposals that are complete and eligible for ICAT grants. The proposals have been reviewed for the quality of their innovative technologies, their potentials for reducing air pollution and for commercial application in California, their potential economic benefits for California, the quality of the proposed demonstration projects, and their value to ARB's programs.

05-2-4 Public Meeting to Update the Board on Port Emission Reduction Activities

This agenda item is an update to the Board on activities to address port related air emissions. Staff will discuss current and planned regulatory efforts to reduce emissions from ocean-going vessels, harbor craft, and cargo handling equipment. Staff will also discuss voluntary efforts and incentive-based approaches to reduce port truck and ocean-going vessel emissions on an accelerated schedule.

05-2-5 Public Meeting to Update the Board on Locomotive Emission Reduction Activities

This agenda item is an update to the Board on activities to address locomotive related air emissions. Staff will discuss current and planned regulatory efforts to reduce emissions from locomotives in California. Staff will also discuss the results from the Roseville Rail Yard risk assessment that was completed in 2004.

TO SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING:

**CONTACT THE CLERK OF THE BOARD, 1001 I Street, 23rd Floor, Sacramento, CA 95814 your welcome
(916) 322-5594**

FAX: (916) 322-3928
ARB Homepage: www.arb.ca.gov

To request special accommodation or language needs, please contact the following:

- TTY/TDD/Speech-to-Speech users may dial 7-1-1 for the California Relay Service.
- Assistance for Disability-related accommodations, please go to <http://www.arb.ca.gov/html/ada/ada.htm> or contact the Air Resources Board ADA Coordinator, at (916) 323-4916.
- Assistance in a language other than English, please go to <http://www.arb.ca.gov/as/eo/languageaccess.htm> or contact the Air Resources Board Bilingual Coordinator, at (916) 324-5049.

OPEN SESSION TO PROVIDE AN OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD ON SUBJECT MATTERS WITHIN THE JURISDICTION OF THE BOARD.

Although no formal Board action may be taken, the Board is allowing an opportunity to interested members of the public to address the Board on items of interest that are within the Board's jurisdiction, but that do not specifically appear on the agenda. Each person will be allowed a maximum of five minutes to ensure that everyone has a chance to speak.

THOSE ITEMS ABOVE THAT ARE NOT COMPLETED ON FEBRUARY 24 WILL BE HEARD BEGINNING AT 8:30 A.M. ON FEBRUARY 25.

THE AGENDA ITEMS LISTED ABOVE MAY BE CONSIDERED IN A DIFFERENT ORDER AT THE BOARD MEETING.

SMOKING IS NOT PERMITTED AT MEETINGS OF THE CALIFORNIA AIR RESOURCES BOARD

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PUBLIC MEETING AGENDA

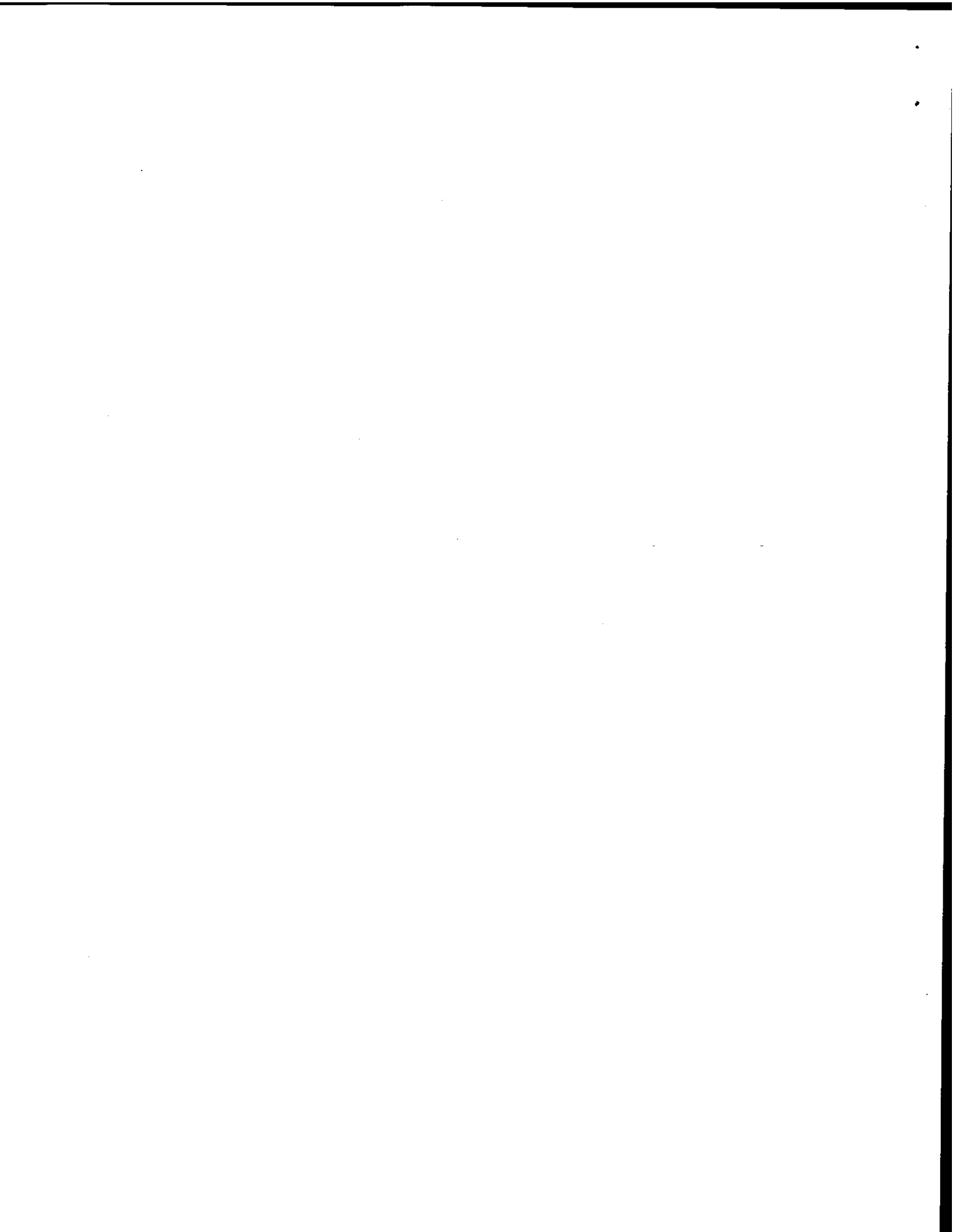
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February 24 - 25, 2005

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TITLE 13. CALIFORNIA AIR RESOURCES BOARD

NOTICE OF PUBLIC HEARING TO CONSIDER PROPOSED MODIFICATIONS TO THE FLEET RULE FOR TRANSIT AGENCIES AND NEW REQUIREMENTS FOR TRANSIT FLEET VEHICLES

The Air Resources Board (the Board or ARB) will conduct a public hearing at the time and place noted below to consider adoption of amendments to the Fleet Rule for Transit Agencies. The amendments would establish new requirements for vehicles owned or operated by transit agencies that are not currently covered by the Fleet Rule, add a new definition for commuter service buses, add requirements for newly formed transit agencies, modify the urban bus particulate matter (PM) fleet standard to allow for fleet growth, modify the urban bus engine emission standard for 2004 to 2006 model year diesel hybrid-electric bus engines to clarify the standards, and make structural changes that move the existing Fleet Rule for Transit Agencies from sections devoted to new engine emission standards to a new section set aside for the regulation of fleet diesel particulate emissions. This notice summarizes the significant amendments. The Initial Statement of Reasons, or staff report, presents all of the proposed amendments in greater detail.

DATE: February 24, 2005

TIME: 9:00 a.m.

PLACE: California Environmental Protection Agency
Air Resources Board
Byron Sher Auditorium, Second Floor
1001 I Street
Sacramento, California 95814

This item will be considered at a two-day meeting of the Board, which will commence at 9:00 a.m., February 24, 2005, and may continue at 8:30 a.m., February 25, 2005. This item may not be considered until February 25, 2005. Please consult the agenda for the meeting, which will be available at least ten days before February 24, 2004, to determine the day on which this item will be considered.

If you have a disability-related accommodation need, please go to <http://www.arb.ca.gov/html/ada/ada.htm> for assistance or contact the ADA Coordinator at (916) 323-4916. If you are a person who needs assistance in a language other than English, please contact the Bilingual Coordinator at (916) 324-5049. TTY/TDD/Speech-to-Speech users may dial 7-1-1 for the California Relay Service.

INFORMATIVE DIGEST OF PROPOSED ACTION AND POLICY STATEMENT OVERVIEW

Sections Affected: Proposed adoption of sections 2023, 2023.1, 2023.2, 2023.3, 2023.4; amendment of sections 1956.1, 2020, 2021; and repeal of sections 1956.2, 1956.3, 1956.4, title 13, California Code of Regulations (CCR).

Background: In February 2000, the Board confirmed its continued commitment to improving emissions from public transportation by establishing a new fleet rule for transit agencies and more stringent emission standards for new urban bus engines and vehicles. The Board directed staff to report back regularly on implementation progress and to develop a test procedure to certify hybrid-electric urban buses (HEBs). Staff reported back to the Board at its September 20, 2001, and March 21, 2002, public meetings.

As instructed by the Board, staff developed modifications to the fleet rule for transit agencies and a new test procedure for certification of HEBs, which were adopted at the October 24, 2002, public hearing. Subsequently, the Board approved further modifications at the June 24, 2004, hearing, to allow any transit agency on the diesel path to purchase diesel hybrid electric buses at a higher oxides of nitrogen (NOx) emission level, provided that the transit agency offset the higher NOx emissions through actions to reduce NOx emissions from other buses in its fleet. In addition, the June 24, 2004, amendments adjusted the zero emission bus demonstration requirements to better reflect the actual evolution of the relevant technology and markets.

Proposed Actions: Staff is proposing to expand the fleet rule to include smaller diesel and alternative-fueled buses, commuter buses, and heavy-duty trucks owned or operated by transit agencies. The affected vehicles are called transit fleet vehicles, and would be subject to a fleet average NOx limit and PM reduction requirement, phased-in between 2007 and 2010. These standards can be met by using verified retrofit technology, installing newer engines, or replacement of vehicles. About 4000 vehicles, which is about 25 percent of all the vehicles owned or operated by transit agencies, would be affected. The engines used in newly purchased transit fleet vehicles would remain subject to the on-road heavy-duty truck engine exhaust emission standards.

Staff's proposal would require transit agencies to reduce emissions from transit fleet vehicles. By December 31, 2007, transit agencies must reduce PM emissions of transit fleet vehicles by 40 percent relative to their January 1, 2005, baseline, and reduce average NOx emissions to 3.2 grams per brake horsepower-hour (g/bhp-hr). By December 31, 2010, the transit agencies would be required to reduce PM fleet emissions by 80 percent relative to their January 1, 2005, baseline, and achieve average NOx fleet emissions of 2.4 g/bhp-hr.

hearing. The new engine emission standards for 2004 to 2006 model year diesel hybrid-electric urban buses provide specific language for NOx and PM engine exhaust emission standards, but are silent on exhaust emission standards for carbon monoxide, hydrocarbon, and formaldehyde. Staff is proposing language to clarify the engine exhaust emission standards for these pollutants.

Finally, staff is proposing a codification change to move the existing fleet rule for transit agencies from title 13, CCR, sections 1956.2-1956.4, currently located with the engine emission standards, to new sections set aside for controlling diesel particulate emissions from fleets in title 13, CCR, section 2020, 2023 to 2023.4.

