

# RESEARCH PROPOSALS

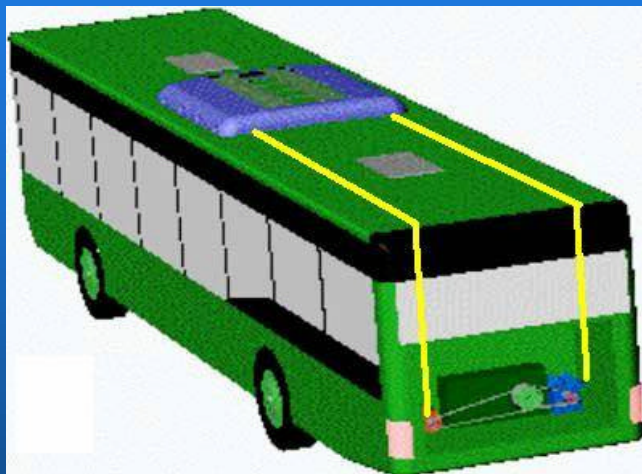
*April 26, 2007*

California Environmental Protection Agency



Air Resources Board

# A/C Refrigerant Emissions from On- and Off-Road Heavy-Duty Vehicles



Eastern Research Group  
Rick Baker  
\$148,513 (24 months)

**Objective:** To characterize A/C systems and develop an inventory of refrigerant emissions from on- and off-road heavy-duty vehicles.

**Expected Results:** A comprehensive profile of A/C system configurations currently in use in the state and the associated emissions of refrigerant.

# Impact of Emissions of HFC-134a from Non-Professional Servicing of Motor Vehicle A/C Systems



**ARMINES**  
**Denis Clodic**  
**\$126,073 (18 months)**

**Objective:** Identifying emission rates and the mechanisms that lead to those emissions due to non- professional A/C servicing.

**Expected Results:** Data that will support potential early measures pursuant to our new climate protection law.

# Improvements to the Versatile Aerosol Concentration Enrichment System

University of California, Davis

Anthony Wexler

\$29,109 (24 months)

**Objective:** To construct improvements to VACES that will enable the system to stably concentrate aerosols over a wider range of meteorological conditions.

**Expected Results:** A stable aerosol concentration system, which will help support future health effects studies.

# **RECOMMENDATION**

**Approve Resolutions 07-11,  
07-12 and 07-13**