



Linda S. Adams
Secretary for
Environmental Protection

Air Resources Board

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



Arnold Schwarzenegger
Governor

Commercial Refrigeration Technical Working Group Announcement

The first meeting of the commercial refrigeration technical working group has been scheduled for April 3, 2008, from 9:00 a.m. – 1:00 p.m. PDT, in Training Room 2 (East and West) at Cal/EPA Headquarters (address above).

For those that cannot attend in person, please e-mail me the location and country you will be calling in from as soon as possible so we can determine the number of phone lines needed, and use the following dial-in number and pass code to call in to the meeting: 1-800-857-9600, pass code 16252, call leader Whitney Leeman.

Due to high leak rates and large charge sizes associated with commercial and industrial direct expansion (DX) refrigeration systems, as well as energy inefficiency associated with retail food systems in particular, a regulatory concept (Early Action measure) was developed to address GHG emissions from these types of systems. The concept was discussed at the February 15, 2008 public workshop with the plan to form a workgroup to develop the specific proposal. The goals of the Early Action measure are to reduce leaks, storage capacity/GWP, and energy use in new systems, and to require energy efficient upgrades for existing retail food systems. The desired result is reduced lifetime CO₂-equivalent emissions, or enhanced life cycle climate performance (LCCP).

One of the most effective ways to reduce leaks and charge sizes/GWPs is to replace DX systems with indirect systems, i.e. secondary loop (SL) systems, in new installations. Additionally, improvements in energy efficiency in all retail food applications, existing and new, may be realized by utilizing closed cases, floating head pressure controls, and best available display case components, standalone equipment and vending machines.

We are expecting to have a large group (about 40) and time at this first meeting is limited (due to time zone differences of the various participants), we are requesting that stakeholders participate in focused discussions rather than make presentations to the group. If you wish to bring handouts to share, please make them concise.

We are looking forward to discussing this important measure, appreciate your participation, and value your input. Please see the tentative agenda below.

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

COMMERCIAL REFRIGERATION TECHNICAL WORKING GROUP DRAFT AGENDA

Objective: The purpose of the workgroup is to work with the ARB as it develops a proposed regulatory strategy for reducing direct and indirect emissions from commercial refrigeration systems.

April 3, 2008

9:00 a.m. – 1:00 p.m. PDT

Training Room 2 (East and West) at CalEPA Headquarters
1001 I Street, Sacramento, CA 95812

- | | |
|------------|---|
| 9:00 a.m. | Sign-In and Introductions |
| 9:20 a.m. | Brief Presentation of Commercial Refrigeration Early Action Goals |
| 9:40 a.m. | Focused Discussion- Reduction of Leaks, Charge Sizes/GWPs/Future Banks from New Commercial and Industrial Refrigeration Systems |
| 11:00 a.m. | Focused Discussion of Energy Saving Strategies in Existing and New Retail Food Systems |
| 12:00 p.m. | Focused Discussion of Best Available Technology for Display Cases, Standalone Equipment and Vending Machines |
| 1:00 p.m. | Adjourn (Further Questions and Answers for People without Travel Commitments) |