

WWW.ENERGY.CA.GOV / TITLE24 / 2008STANDARDS / NOTICES / 2006-02-22 WORKSHOP NOTICE

STATE OF CALIFORNIA – THE RESOURCES AGENCY

Arnold Schwarzenegger, Governor

California Energy Commission

1516 Ninth Street

Sacramento, CA 95814

Website: www.energy.ca.govConsumer Website: www.ConsumerEnergyCenter.orgChildren's Website: www.energyquest.ca.gov

Notice of Staff Workshops 2008 Building Energy Efficiency Standards

California Energy Commission staff will conduct a workshop for presentation of potential revisions to Building Energy Efficiency Standards for Residential and Nonresidential Buildings (Standards) (California Code of Regulations, Title 24, Part 6) and to obtain public suggestions and comment for the 2008 Standards.

WEDNESDAY, FEBRUARY 22, 2006

10 a.m.

and

THURSDAY, FEBRUARY 23, 2006

10 a.m.

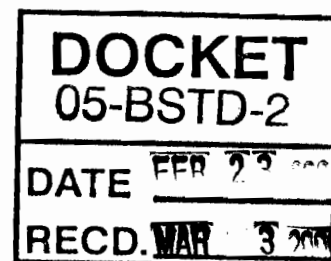
CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

First Floor, Hearing Room A

Sacramento, CA 95814

(Wheelchair Accessible)



Audio from this meeting will be broadcast over the Internet.

For details, please go to:

www.energy.ca.gov/webcast

This notice, the workshop agenda, and other related documents will be posted to the project website, www.energy.ca.gov/title24/2008standards. Please check the website for additional information. Interested persons may sign up on a list server at that website to receive email updates about the 2008 Standards.

Purpose

At this workshop, staff and project contractors will discuss proposed changes to the standards, the plans and schedule for the standards revision project, and other information. Workshop participants will have opportunities to ask questions about this information and to make comments and suggestions.

Proposed changes to be discussed will include:

- Fault detection and diagnostics for rooftop air conditioners, air handling units, and variable air volume boxes
- Displacement ventilation
- Under floor air distribution

- Natural ventilation
- Performance monitoring
- Nonresidential building exterior lighting and stairwell lighting fixtures
- Hotel bathroom lighting and classroom lighting
- Nonresidential building ventilation strategies
- The overall envelope compliance approach
- Refrigerated warehouses
- Residential programmable communicating thermostats
- Nonresidential site-built fenestration
- Nonresidential global temperature adjustment
- Other suggestions by stakeholders

Background

The Energy Commission updates the Building Energy Efficiency Standards on a three-year cycle. This is the second in a series of workshops to obtain public input through which potential revisions to the Standards are identified and discussed. At the end of this series of workshops, the Energy Commission will conduct a formal rulemaking proceeding, expecting to adopt the updated Standards in 2007. The Standards are expected to go into effect in the latter part of 2008.

California energy policy places high priority on substantial updating of the Standards in the 2008 and subsequent update cycles.

The key elements of this energy policy are contained in the following:

- California's Energy Action Plan II is developed jointly by the California Public Utilities Commission and the California Energy Commission with active participation from other state agencies with energy-related responsibilities. The Energy Action Plan establishes energy efficiency as the resource of first choice for meeting California's energy needs (i.e., energy efficiency is at the "top of the loading order"). On September 21, 2005, the two Commissions adopted the Energy Action Plan II, which directs the Energy Commission to adopt new building standards for implementation in 2008 that include, in addition to new energy efficiency measures, cost-effective demand response technologies (such as programmable communicating thermostats) and the integration of photovoltaic systems. The Energy Action Plan II can be viewed at www.energy.ca.gov/energy_action_plan.
- The Integrated Energy Policy Report is the Energy Commission's biennial report to the Legislature that assesses California's major energy trends and issues and makes policy recommendations to conserve resources, protect the environment, ensure reliable, secure, and diverse energy supplies, enhance the state's economy, and protect public health and safety. In November 2005, the Energy Commission adopted the 2005 Integrated Energy Policy Report (IEPR). The 2005 IEPR concludes that maintaining adequate electricity reserves for California will be difficult over the next few years as the state's demand intensifies, and the high demand for natural gas is likely to continue to cause high prices for natural gas. The 2005 IEPR places top priority on energy efficiency to combat both electricity and natural gas problems. The IEPR finds that Standards are the most cost

effective means to achieve energy efficiency and expects the Building Energy Efficiency Standards to continue to be upgraded over time to reduce electricity and peak demand. The IEPR also recognizes the role of the Standards in reducing energy related to meeting California's water needs and in reducing greenhouse gas emissions. The 2005 Integrated Energy Policy Report is available at www.energy.ca.gov/2005_energypolicy/documents.

- In November 2004, California's Governor Arnold Schwarzenegger joined with the governors of Washington and Oregon to approve the West Coast Governors' Global Warming Initiative. The Initiative commits to a series of tri-state collaborative actions including adding aggressive energy efficiency measures into updates of state building codes, with a goal of achieving at least 15 percent additional savings by 2015 in each state. Information about the West Coast Governors' Global Warming Initiative can be found at www.climatechange.ca.gov/westcoast.
- In December 2004, Governor Schwarzenegger issued Executive Order S-20-04, the Green Building Initiative, which lays out a comprehensive set of actions for California to improve the energy efficiency of nonresidential buildings. The Energy Commission is directed to undertake all actions within its authority to increase the efficiency requirements in the Building Energy Efficiency Standards for nonresidential buildings by 20 percent by 2015. More information about the Green Building Initiative is posted at www.energy.ca.gov/greenbuilding.
- In June 2005, Governor Schwarzenegger issued Executive Order S-3-05, the Climate Action Initiative, which establishes California as a world leader by setting greenhouse gas emissions reduction goals. The ambitious goals are to reduce California's greenhouse gas emissions to 2000 levels by 2010 and to 1990 levels by 2020, and to reduce 1990 levels by 80 percent by 2050. Increased requirements in the Building Energy Efficiency Standards are identified as an explicit strategy in a portfolio of actions that will be necessary to meet these goals. More information about the Climate Action Initiative can be found at www.climatechange.ca.gov.

The Energy Commission will pursue these objectives by developing Building Energy Efficiency Standards improvement proposals for several "key topic areas," which will be highlighted at the workshops. Priority will be placed on proposals resulting from the Energy Commission Public Interest Energy Research program, the Codes and Standards Enhancement Initiatives of the electric and gas utilities' statewide Codes and Standards program, and proposals developed by the Energy Commission's Buildings and Appliances Office and its technical consultant contract. In addition to proposals for major revisions to the Building Energy Efficiency Standards, the Energy Commission will consider suggestions and comments related to improvement of the effectiveness or clarity of the Standards and associated documents (including the Alternative Calculation Method Approval Manuals and the Joint Appendices).

Written Comments

Written comments on the workshop topics must be submitted by 5 p.m. on February 16, 2006. The Energy Commission encourages comments by electronic mail. Those submitting comments by electronic mail should provide them on letterhead in either Microsoft Word or

Portable Document Format (PDF) to ehbert@energy.state.ca.us. Please include "2008 Building Energy Efficiency Standards [suggestions] or [comments]" in the subject line and first paragraph of your comments. Interested persons may also send comments by postal mail. Please hand deliver or mail an original and 10 copies of the comments to:

Elaine Hebert
California Energy Commission
1516 Ninth Street, MS 25
Sacramento, CA 95814-5512

Please include your name, organization, and contact information.

Participants may also deliver the original and 10 copies of the comments at the beginning of the workshop. All written materials related to this workshop will become part of the public record.

Public Participation

The Energy Commission's Public Adviser, Margret J. Kim, provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact the Public Adviser's Office at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at pao@energy.state.ca.us. If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to Claudia Chandler, Assistant Executive Director, at (916) 654-4989.

For technical questions on the subject matter, please contact Mazi Shirakh, Senior Mechanical Engineer, (916) 654-3839 or by e-mail at mshirakh@energy.state.ca.us.

Date on line: February 9, 2006