

2011 Scoping Workshop Appliance Efficiency Rulemaking

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Workshop Purpose: Obtain Stakeholder Feedback

- The purpose of this Efficiency Committee workshop is to obtain public input regarding possible new appliance efficiency standards to be developed under future Title 20 rulemakings.
- The Committee also asks that stakeholder provide any data that can help inform future rulemaking proceedings for any of the appliances that are under consideration.

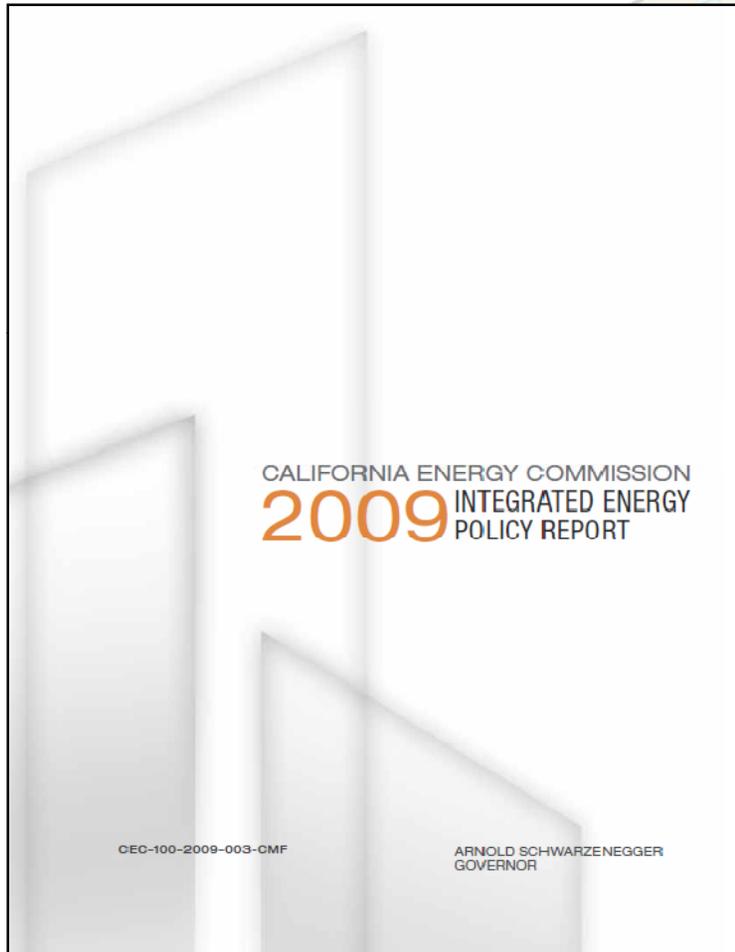
Warren-Alquist Act

- Authorizes the Energy Commission to adopt Appliance efficiency standards that are:
 - for appliances that have a significant energy or water use;
 - feasible and attainable;
 - cost effective, in that they “shall not result in any added total cost to the consumer over the designed life of the appliance.”

Impact of Appliance Efficiency Regulations

- Have achieved significant energy savings statewide – an estimated 17,896 GWh in 2009
- Saves money for all Californians
- Serve as a model for other states and countries
- Cover most major residential and commercial appliances sold or offered for sale in California
- Regulations include:
 - Minimum energy or water efficiency standards
 - Or maximum energy or water usage standards

Integrated Energy Policy Report



“The Energy Commission will continue to adopt appliance standards for consumer electronics, general lighting, irrigation controls, and refrigeration systems.”

Governor Brown's Eight Point Energy Plan

1. Building 12,000 megawatts of Localized Electricity Generation
2. Building 8,000 Megawatts of Large Scale Renewables and Necessary Transmission Lines
3. Dealing with Peak Energy Needs and Develop energy Storage
4. A Timeline to Make New Homes and Commercial Buildings Zero Net Energy
5. Making Existing Buildings More Efficient
- 6. Adopting Stronger Appliance Efficiency Standards**
7. Developing More Cogeneration Projects to increase combined heat and power production by 6,500 megawatts
8. The Appointment of a Renewable Energy Jobs Czar



- *"The CEC should adopt stronger appliance standards for lighting, consumer electronics and other products.*
- *Federal law should be changed to make it easier for California to adopt standards more stringent than federal standards, as we have authority to do for automobile emission standards. For example, a proposed CEC efficiency rule for clothes washers would save enough water for all of San Diego for a year.*
- *We should also increase public education and enforcement efforts so that the gains promised by our efficiency standards are in fact realized."*

Topics Under Consideration 2011 Scoping Order

- **Consumer Office Electronics**
 - **Computers and Servers**
 - **Set Top Boxes**
 - **Game consoles**
 - **Displays: computer monitors, professional displays, digital photo frames**
 - **Imaging Equipment, etc.**

Topics Under Consideration 2011 Scoping Order

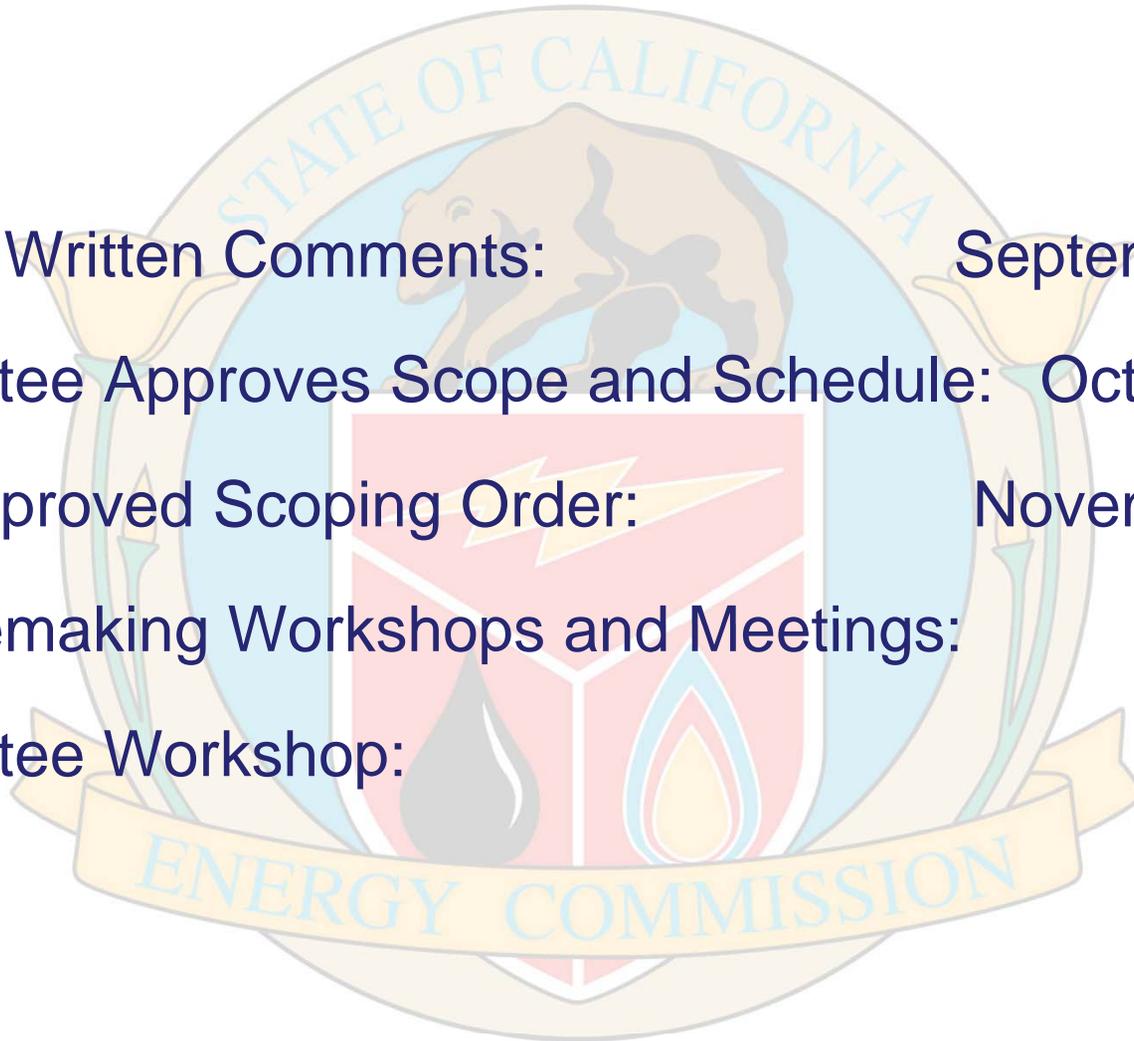
- **Lighting:**
 - **Linear Fluorescent Fixtures**
 - **LED Lamps, Outdoor Lighting**
 - **Dimming ballasts**
 - **Multifaceted Reflector Lamps**
 - **Outdoor Lighting**
 - **Lighting Accessories**

Topics Under Consideration 2011 Scoping Order

- **Water Using Products:**
 - Irrigation Controls
 - Commercial Dishwashers
- **Other Appliances:**
 - Plug In Luminous Signs
 - Commercial Clothes Dryers
 - Refrigeration/Condensing Units

Scoping Order Tentative Schedule:

- Review Written Comments: September, 2011
- Committee Approves Scope and Schedule: October, 2011
- Post Approved Scoping Order: November, 2011
- Pre-rulemaking Workshops and Meetings: TBD
- Committee Workshop: TBD



Proposing Appliance Standards

Proposal Should Provide Methodology and Modeling Used in the Development of The Standards

Proposal Analysis should be Based on:

- 1. Current Sales And Stock Data*
 - 2. Duty Cycle Data*
 - 3. Incremental Cost Data*
 - 4. Energy Savings Estimates Based The Current Baseline*
 - 5. Estimated Life Cycle*
 - 6. Energy Use Should Include Growth Estimates*
- Sales,*
 - Usage and*
 - Energy*

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Questions?

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