

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814Main website: www.energy.ca.gov**DOCKET****09-AAER-1A**DATE June 30 2009RECD. June 17 2009

**STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION**

In the matter of:)	Docket No. 09-AAER-1A
)	
2008 Rulemaking on Appliance Efficiency)	NOTICE OF STAFF
Regulations Rulemaking Proceeding for)	WORKSHOP
Landscape Irrigation Efficiency Standards)	
_____)	

**STAFF TECHNICAL WORKSHOP TO DISCUSS POSSIBLE
EFFICIENCY STANDARDS AND LABELING REQUIREMENTS FOR
LANDSCAPE IRRIGATION EQUIPMENT**

The California Energy Commission staff will conduct the second technical workshop to discuss with all interested parties information and issues regarding performance standards and labeling requirements for landscape irrigation equipment to reduce consumption of energy or water.

TUESDAY, JUNE 30, 2009

1:30 p.m.

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

First Floor, Hearing Room A

Sacramento, California

(Wheelchair Accessible)

Audio from this meeting will be broadcast over the Internet.

For details, please go to: www.energy.ca.gov/webcast/

To participate in the meeting by phone,
please call **888-968-4311** by 1:30 p.m.

Passcode: **Irrigation** Call Leader: **Lorraine White**

This notice, the workshop agenda, and other related documents will be posted to the project website at [www.energy.ca.gov/appliances/irrigation/]. 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

The purpose of this workshop is to discuss stakeholder responses to “Key Questions for Setting Efficiency Standards and Labeling Requirements for Landscape Irrigation Equipment,” which was introduced by staff at the first staff technical workshop held on June 1, 2009. These “Key Questions” can be found at [\[www.energy.ca.gov/appliances/irrigation/documents/2009-06-01_workshop/2009-06-01_Key_questions.pdf\]](http://www.energy.ca.gov/appliances/irrigation/documents/2009-06-01_workshop/2009-06-01_Key_questions.pdf). These questions seek information, data and analyses that will be instrumental in developing possible standards and labeling requirements for irrigation equipment as defined in the Energy Commission’s Efficiency Committee’s Scoping Order issued May 7, 2009. Stakeholders were asked to submit their responses to the “Key Questions” by June 15, 2009.

These questions and the related discussion from the June 1, 2009 workshop seek to obtain the following information from stakeholders:

1. Data to support an analysis for estimated volume of current water waste in California by residential and commercial irrigation systems.
2. Data to support an analysis for estimated volume of expected water savings with smart controllers and better manual controllers. This should include data for savings using; (1) controllers only, (2) controllers with moisture sensors, and (3) smart controllers receiving local evapotranspiration (ET) data.
3. Data to support an analysis for estimated energy use from irrigation controllers currently being sold in California.
4. Data to support an analysis for estimated energy savings with the proposed smart controllers and better manual controllers.
5. Data to support the incremental additional cost from current controllers and the proposed better manual controllers. This cost must include the additional costs of the required moisture sensors (rain detection and soil moisture sensors) or needed data subscriptions.
6. Data to support the expected useful life of the controllers and moisture sensors. For example, if a controller last 10 years and a moisture sensor only 2 years, then the life of the irrigation system for estimating cost would be 2 year -limited by the life of the controller, or an estimated 10 year life but with the added cost for 5 moisture controllers during the 10 year estimate.
7. Specific metrics and test methods which can measure and verify both water and energy savings (or additional demands) of these devices.

Background

The Water Conservation in Landscaping Act of 2006 (Assembly Bill [AB] 1881, Laird, Chapter 559, Statutes of 2006) requires the Energy Commission, in consultation with the Department of Water Resources and as far as funds are available, to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves, to reduce energy or water consumption. The Energy Commission is required to adopt requirements for landscape irrigation controllers and moisture sensors (specifically) by January 1, 2010, and, on and after January 1, 2012, prohibit the sale or

installation of irrigation controllers or moisture sensors that do not meet the adopted requirements.

On April 1, 2009, the Energy Commission's Efficiency Committee, consisting of Commissioner Arthur Rosenfeld as the Presiding Member and Commissioner Julia Levin as the Associate Member, conducted a workshop to discuss and receive public comment on the scope of possible actions to fulfill the requirements of AB 1881.

Subsequently, on May 7, 2009, the Efficiency Committee released the Committee Scoping Order that establishes the scope and schedule of the proceeding to develop the landscape irrigation equipment proposed regulations as Phase 2, Part 1A of the 2008 Rulemaking on *Appliance Efficiency Regulations*. This rulemaking phase will amend Title 20 of the California Code of Regulations, Sections 1601 through 1608, to add the definitions, test methods and efficiency standards deemed necessary to fulfill the requirements of AB 1881. This Committee Scoping addresses the equipment to be considered and a schedule of key milestones for adopting amendments to the *Regulations* by January 1, 2010. The Committee Scoping Order can be found at www.energy.ca.gov/appliances/irrigation/notices/2009-05-12_Committee_Scoping_Order.pdf.

Staff held its first technical workshop on June 1, 2009 to discuss analytical and legal requirements of the Energy Commission's appliance efficiency regulations; performance studies on the energy and water impacts of climate based irrigation controllers; and information sought from parties in response to the "Key Questions" posed by staff.

Workshop Participation

The Energy Commission seeks the active participation of all interested stakeholders in this proceeding. Staff requests that written comments be provided to the "Key Questions" by June 15, 2009 or at the earliest date possible. Interested persons are invited to participate before and during this workshop, and attendees are strongly encouraged to participate in discussions. If you wish to present your responses to the "Key Questions" at this workshop, you may contact Lorraine White at (916) 654-4075 or by e-mail at lwhite@energy.state.ca.us by Thursday, June 25, 2009. Presentation requests received on the day of the workshop will be accommodated to the extent that time allows. Other people can provide comments or responses to the "Key Questions" following the presentations.

Written Comments

Staff will take comments either orally at the workshop or through written comments. After the workshop further written comments can be made. Staff requests the post-workshop written comments be submitted by 5:00 p.m. on Friday July 10, 2009. Please include the docket number 09-AAER-1A and indicate "2009 Irrigation Equipment Performance Standards and Labeling Requirements June 30, 2009 Workshop" in the subject line or first paragraph of your comments.

The Energy Commission encourages comments by e-mail. Please include your name or organization's name in the name of the file. Those submitting comments by electronic mail should provide them in either Microsoft Word format or as a Portable Document File (PDF) to docket@energy.state.ca.us. **One paper copy** must also be sent to the Energy Commission's Docket Unit at the address shown below.

Alternately, parties may also submit comments only in hard copy. Please hand deliver or mail an original plus 10 paper copies to:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 09-AAER-1A
1516 Ninth Street
Sacramento, CA 95814-5512

Participants may also provide the above original and 10 copies at the beginning of the workshop. All written materials relating to this workshop will be filed with the Dockets Unit and become part of the public record for this proceeding.

Public Participation

The Energy Commission's Public Adviser's Office 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 publicadviser@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.

The service list for the 2009 Irrigation Equipment Performance Standards and Labeling Requirements Proceeding is handled electronically. Notices and document for these proceedings are posted to the Energy Commission website at www.energy.ca.gov/appliances/irrigation/. When new information is posted, an e-mail will be sent to those on the appliance standards e-mail list server. We encourage those who are interested in receiving these notices to sign up for the list server through the website at www.energy.ca.gov/listservers/.

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989, or by e-mail at mediaoffice@energy.state.ca.us. Technical questions should be directed to Lorraine White, at (916) 654-4075 or by e-mail at lwhite@energy.state.ca.us.

Date posted: June 17, 2009

Note: California Energy Commission's formal name is State Energy Resources Conservation and Development Commission.