

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814Main website: www.energy.ca.gov

In the matter of,)	Docket No. 09-IEP-1M
)	
Preparation of the)	NOTICE OF STAFF WORKSHOP
<i>2009 Integrated Energy Policy Report</i>)	RE: Advanced Generation
<i>(2009 IEPR)</i> and Advanced Generation)	
Program Roadmap)	

Staff Workshop on Advanced Generation

In support of the *2009 Integrated Energy Policy Report (IEPR)*, the California Energy Commission (Energy Commission) staff will conduct a workshop to discuss and receive stakeholders' input on the current status of advanced generation technologies, and research, development, and demonstration (RD&D) opportunities. This is also a part of the effort to develop a roadmap for the Advanced Generation Program Area of the Public Interest Energy Research (PIER) Program. Commissioner Jeffrey D. Byron is the Presiding Member and Vice Chair James D. Boyd is the Associate Member of the 2009 IEPR Committee. While this is a staff workshop, commissioners may attend and participate in this workshop. The workshop will be held:

MONDAY, AUGUST 10, 2009
9 a.m.
CALIFORNIA ENERGY COMMISSION
1516 Ninth Street
First Floor, Hearing Room A
Sacramento, California
(Wheelchair Accessible)

DOCKET**09-IEP-1M**

DATE _____

RECD AUG 03 2009

Remote Attendance

Web Conferencing - Presentations and audio from the meeting will be broadcast via our WebEx web conferencing system. For details on how to participate via WebEx, please see the "Participation through WebEx" section at the end of this notice.

Purpose

The purpose of this workshop is to present, discuss, and obtain comments and input from stakeholders on the preliminary assessment of the current status of advanced generation technologies and RD&D opportunities in advanced generation technologies relevant to California. The preliminary assessment will be available by Monday, August 3, 2009 at [www.energy.ca.gov/2009_energypolicy/documents/index.html].

Background

Advanced generation has been a key focus area for the PIER program. Over the last ten years, the PIER Advanced Generation (PIER AG) Program has invested \$102 million in advanced electricity generation, which is roughly 20 percent of its RD&D funding. Distributed Generation (DG) and Combined Heat and Power (CHP) Systems have been a key research focus area for the PIER AG program in the past. Investing in advanced generation technology provides an opportunity for developing reliable, affordable, secure, and sustainable power.

Some significant state energy policy goals related to non-renewable electricity generation, large-scale or distributed, are:

- Statewide greenhouse gas emissions (GHG) will be limited to 1990-equivalent levels by 2020 (Assembly Bill 32 (AB 32))
- Reduce greenhouse gas emissions to 2000 levels by 2010; to 1990 levels by 2020; to 80 percent below 1990 levels by 2050 (Governor's Executive Order S-3-05)
- ~4,000 MW of additional installed CHP capacity target by 2020 (California Air Resources Board AB 32 Climate Change Scoping Plan)
- Utilize CHP so that new construction is net zero energy by 2020 for residences and 2030 for commercial (*2007 IEPR*)
- By 2012, re-power aging power plants or retire and replace with cleaner technologies (*2005 IEPR*)
- Phased elimination of once-through cooling between 2015 and 2021 (*2008 IEPR Update*)

California policy goals focus largely on reducing emissions and environmental impacts from electricity generation. The state's primary source of electricity generation comes from natural gas, and while there are no specific goals for natural gas power plant efficiency, they are implied through generation emissions standards.

Stakeholders' input at this workshop on the current status of advanced generation technologies and RD&D opportunities will set the foundation for development of a new vision statement and program roadmap which will enable the PIER AG program to play a key role in helping the state meet key policy goals. In this workshop staff will ask for suggestions and ideas on research and development to help meet the above listed goals. In addition, workshop participants and speakers will be asked what areas the Energy Commission can most effectively devote resources that will show progress in meeting these goals.

Written Comments

Written comments on the workshop topics must be submitted by 5:00 p.m. on August 17, 2009. Please include the docket number 09-IEP-1M and indicate "Advanced Generation" in the subject line or first paragraph of your comments. Please hand deliver or mail an original copy to:

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

The Energy Commission encourages comments by e-mail. Please include your name or organization's 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 (PDF) to [docket@energy.state.ca.us]. One paper copy must also be sent to the Energy Commission's Dockets Office.

Participants may also provide an original and ten copies at the beginning of the workshop. All written materials relating to this workshop will be filed with the Dockets Office and become part of the public record in 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 Elena Miller, Public Adviser, 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.

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]. If you have questions on the technical subject matter of this forum, please call Avtar Bining, Project

Manager (Advanced Generation) at 916-657-2002, or by e-mail at [abining@energy.state.ca.us]. For general questions regarding the IEPR proceeding, please contact Lynette Esternon Green, IEPR project manager, by phone at (916) 653-2728 or by e-mail at [lesterno@energy.state.ca.us].

The service list for the *2009 IEPR* is handled electronically. Notices and documents for this proceeding are posted to the Energy Commission website at [www.energy.ca.gov/2009_energypolicy/index.html]. When new information is posted, an e-mail will be sent to those on the energy policy e-mail list server. We encourage those who are interested in receiving these notices to sign up for the list server through the website [www.energy.ca.gov/listservers/index.html].

Participation through WebEx, the Energy Commission's on-line meeting service

Computer Log on with a Direct Phone Number:

- Please go to [https://energy.webex.com] and enter the unique meeting number **926 904 838**
- When prompted, enter your information and the following meeting password **IEPRmeeting@9am** (Please note that password is case sensitive.)
- After you log in, a prompt will appear on-screen for you to provide your phone number. In the Number box, type your area code and phone number and click OK to receive a call back on your phone for the audio of the meeting. International callers can use the "Country/Region" button to help make their connection.

Computer Log on for Callers with an Extension Phone Number, etc.:

- Please go to [https://energy.webex.com] and enter the unique meeting number **926 904 838**
- When prompted, enter your information and the following meeting password **IEPRmeeting@9am** (Please note that password is case sensitive.)
- After you log in, a prompt will ask for your phone number. CLICK CANCEL.
- Instead call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the meeting number above and your unique Attendee ID number which is listed in the top left area of your screen after you log in. International callers can dial in using the "Show all global call-in numbers" link (also in the top left area).

Telephone Only (No Computer Access):

Call 1-866-469-3239 (toll-free in the U.S. and Canada) and when prompted enter the unique meeting number above. International callers can select their number from [<https://energy.webex.com/energy/globalcallin.php>]

If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239. Please be aware that the meeting's WebEx audio and on-screen activity may be recorded.

Mail Lists: Energy Policy, wasteheat, distgen, Electricity, EnergyPolicy, Renewable, Research, Natural Gas

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