

DOCKETED

Docket Number:	15-WATER-01
Project Title:	Water Energy Technology (WET) Program
TN #:	205660
Document Title:	Notice of August 26, 2015: Drought Response: Water Energy Technology Program - Public Meeting in Pomona
Description:	Notice of Public Meeting on the Water Energy Technology Program. Meeting will be held on August 26, 2015, in Pomona, CA.
Filer:	Pamela Doughman
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	8/7/2015 4:35:30 PM
Docketed Date:	8/7/2015



In the matter of:)	Docket No. 15-WATER-01
)	Water Energy Technology Program
Water Energy Technology (WET) Program)	
)	
)	RE: Drought Response Public
)	Meeting
_____)	

California Energy Commission Drought Response: Water Energy Technology Program

California Energy Commission staff will conduct a public meeting to receive input on the Water Energy Technology (WET) Program Phase 2 (commercial, industrial, and residential sectors) and Phase 3 (desalination) on:

Wednesday, August 26, 2015

Beginning at 10:00 a.m.

Kellogg West Conference Center

Cal Poly Pomona

3801 West Temple Avenue Bldg #76

Pomona, CA 91768

<http://www.kelloggwest.org/kw-directions.aspx>

Please go to Front Desk upon arrival for free parking pass or print pass from

<https://event.gq/1465-ca-energy-commission>.

Pass must be displayed in vehicle.

Wheelchair Accessible

Remote Access Available by computer or phone via WebEx™
(Instructions below)

Commissioners from the California Energy Commission and officials from the Department of Water Resources or State Water Resources Control Board may also attend.

In response to California's ongoing drought, Governor Brown's Executive Order B-29-15 directed the first ever statewide mandatory water reductions. The Executive Order further directed the California Energy Commission to implement a statewide water energy technology program as part of its work to address the drought.

To accelerate the deployment of innovative water and energy saving technologies and reduce greenhouse gas (GHG) emissions, the Energy Commission, jointly with the Department of Water Resources and the State Water Resources Control Board, will implement the WET Program to provide funding for innovative technologies for

agricultural, industrial, commercial, residential, and desalination sectors that meet the following criteria:

- Display significant water savings, energy savings, and greenhouse gas emission reductions.
- Demonstrate actual operation beyond the research and development stage.
- Document readiness for rapid, large-scale deployment (but not yet widely deployed) in California.

Additional information on the WET Program is available online at <http://www.energy.ca.gov/wet/>.

Phase 2: Commercial, Industrial, and Residential Sectors

Contingent upon Legislative approval of funding, the Energy Commission is proposing a possible allocation of up to \$16 million in competitive grant funding for Phase 2 of the WET Program for eligible projects in the commercial, industrial, and residential sectors, including water and wastewater treatment facilities. A draft competitive grant funding opportunity (GFO) application for Phase 2 will be posted online by August 25 at <http://www.energy.ca.gov/wet/documents/index.html>. The Energy Commission is interested in your input on the following:

1. How can this draft GFO best complement efforts to reduce on-site GHG emissions and improve water efficiency in the commercial, industrial, and residential sectors? What specific changes would you suggest to the GFO to best accomplish this?
2. What specifications and/or criteria are needed to ensure the purpose, instructions, and eligibility requirements are clear?
3. What grant award amounts would be most appropriate and what percentage of the project cost would this represent?
4. How can this phase of the WET Program best bring benefits to disadvantaged communities?
5. What is the capability of obtaining utility data for pre- and post-energy and water use? If utility data are not available, how will pre- and post-results be documented?

Phase 3: Desalination

This phase will provide grant funding for innovations in reducing energy use and GHG emissions in existing desalination plants and plants currently under construction. Projects must result in on-site, direct GHG emission reductions, while increasing on-site water production efficiency. Projects must use commercially available, innovative technologies; research projects are not eligible. Staff is considering whether to limit funding to brackish water or to include ocean water desalination as well. Additionally,

- Evaluation criteria will emphasize GHG emission reductions and amount of additional water production per unit of energy compared to the existing

desalination system; technology innovation and project design; and measurement, monitoring, and verification (MMV) approaches to ensure that both GHG emissions reductions and water production increases are occurring.

- Applicants may be public or private entities. Projects must be installed in a desalination facility located in California.
- Contingent upon Legislative approval of funding, the Energy Commission is proposing up to \$3 million for this phase of the WET Program to be awarded through competitive grants. Staff is considering setting aside all, or a portion, of this funding for projects that benefit disadvantaged communities. Potential grant awards may range from \$1 million to \$3 million.

The Energy Commission is interested in obtaining input on the following questions concerning Phase 3 of the WET Program:

1. What sectors (e.g., municipal, industrial) have the most potential for cost effectiveness and GHG emission reductions and why?
2. What emerging desalination technologies should be considered that provide direct on-site energy savings, GHG emission reductions, and increase water production or decrease ground water pumping for each of the identified sectors?
 - a. What are the advantages and disadvantages of limiting awards to desalination of brackish water?
 - b. What are the advantages and disadvantages of including desalination of ocean water?
 - c. How can grant funding overcome barriers and disadvantages?
3. What grant award amounts would be most appropriate and what percentage of the project cost would this represent?
4. What specifications and/or criteria are needed to ensure the purpose, instructions, and eligibility requirements are clear?
5. How can this phase of the WET Program best bring benefits to disadvantaged communities?
6. What are some of the main barriers preventing implementation of advanced water production and energy saving projects for existing desalination plants in California?
 - a. What are some of the main challenges related to shifting operation of desalination plants to coincide with hours of excess renewable energy generation? What solutions are available or are needed?
 - b. What operational, regulatory, or other constraints may arise to prevent installing projects quickly, such as within 18 months?
7. What is the capability of obtaining utility data for pre- and post-energy and water use? If utility data are not available, how will pre- and post-results be documented?

In addition to the WET program, the Energy Commission is focusing on the following drought response efforts:

- In April, the Energy Commission adopted emergency regulations establishing standards that improve the efficiency of water appliances, including toilets, urinals, and faucets available for sale and installation in new and existing buildings in California. For more information, see:
http://www.energy.ca.gov/appliances/2015-AAER-1/rulemaking/Water_Appliance_Fact_Sheet.pdf
- Beginning in May, the Energy Commission is expediting the processing of all applications or petitions for amendments to power plant certifications for the purpose of securing alternate water supply necessary for continued power plant operation. For more information, see:
http://www.energy.ca.gov/business_meetings/2015_packets/2015-05-13/Item_03_Alternative_Water_Supply_for_Power_Plants/Item_03_Proposed_Order-ED_delegation_for_amendments.pdf
- Jointly with the Department of Water Resources and the State Water Resources Control Board, the Energy Commission is developing a time-limited statewide appliance rebate program to provide monetary incentives for the replacement of inefficient household devices. For more information, see:
<http://www.energy.ca.gov/drought/rebate/>

Public Comment

Oral comments. Staff will accept oral comments during the working group meeting. Comments may be limited to three minutes per speaker. Any comments may become part of the public record in this proceeding.

Written comments. Written comments should be submitted to the Dockets Unit by 4:00 p.m. on **September 1, 2015**. Written comments received prior to the meeting may be responded to during the meeting. Written comments will also be accepted at the public meeting; however, staff may not have time to review them before the conclusion of the meeting.

For this docket, the Energy Commission is using an electronic commenting system. To file comments using this system, visit the website at <http://www.energy.ca.gov/wet/> and click on the “Submit Comment on the Water Energy Technology (WET) program” link. This will take you to the page for adding comments to this docket. Please enter your contact information and comment title. You may include comments in the box titled “comment text” or attach a file with your comments. Attached comments must be in a Microsoft® Word (.doc) or Adobe® Acrobat® (.pdf) formatted file.

The Energy Commission encourages use of the electronic commenting system, but written comments may also be sent by e-mail or by U.S. Mail. If sending by e-mail, please include the docket number **15-WATER-01** for the **Water Energy Technology Program** and indicate **Drought Response** in the subject line. Send email comments to:

docket@energy.ca.gov

If you prefer, you may send a paper copy of your comments for the Water Energy Technology Program to:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 15-WATER-01
1516 Ninth Street
Sacramento, CA 95814-5512

Please note that your written and oral comments, attachments, and associated contact information (e.g., your address, phone, email, etc.) become part of the viewable public record. This information may become available via Google, Yahoo, and any other search engines.

Public Adviser and Other Commission Contacts

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission proceedings. If you want information on how to participate in this forum, please contact the Public Adviser, Alana Mathews, at PublicAdviser@energy.ca.gov or (916) 654-4489 or toll free at (800) 822-6228.

If you have a disability and require assistance to participate, please contact Lou Quiroz at lquiroz@energy.ca.gov or (916) 654-5146 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at mediaoffice@energy.ca.gov or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Pamela Doughman, pamela.doughman@energy.ca.gov or (916) 445-5297.

Remote Attendance

You may participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you may listen to audio via your computer or telephone. If you would like to provide comments through WebEx during the meeting, please type your comments in the WebEx chat box on your computer screen. Please be aware that the meeting may be recorded.

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VIA COMPUTER: Go to <https://energy.webex.com> and enter the unique meeting number: 920 388 034. When prompted, enter your name and the following meeting password: meeting@10.

The "Join Conference" menu will offer you a choice of audio connections:

1. To call into the meeting: Select "I will call in" and follow the on-screen directions.
2. International Attendees: Click on the "Global call-in number" link.
3. To have WebEx call you: Enter your phone number and click "Call Me."
4. To listen over the computer: If you have a broadband connection, and a headset or a computer microphone and speakers, you may use VoIP (Internet audio) by

going to the Audio menu, clicking on “Use Computer Headset,” then “Call Using Computer.”

VIA TELEPHONE ONLY (no visual presentation): Call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the unique meeting number: 920 388 034. International callers may select their number from <https://energy.webex.com/energy/globalcallin.php>.

VIA MOBILE ACCESS: Access to WebEx meetings is now available from your mobile device. To download an app, go to www.webex.com/overview/mobile-meetings.html. If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

Availability of Documents

Documents and presentations for this meeting will be available online at: <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=15-WATER-01>.



ROBERT B. WEISENMILLER
Chair

Mail Lists: WaterSaver listserv, Research listserv, Energypolicy listserv, Opportunity listserv, EPIC listserv