

<b>DOCKETED</b>	
<b>Docket Number:</b>	19-ERDD-01
<b>Project Title:</b>	Research Idea Exchange
<b>TN #:</b>	246011
<b>Document Title:</b>	September 29 - Staff Workshop on Advancing Precipitation Strategies to Augment Hydropower and Water Resources in California
<b>Description:</b>	California Energy Commission (CEC) staff will host a remote-access staff workshop seeking public comment on an upcoming solicitation for research to advance precipitation enhancement strategies for California.
<b>Filer:</b>	Martine Schmidt-Poolman
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
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<b>Docketed Date:</b>	9/13/2022

**CALIFORNIA ENERGY COMMISSION**715 P Street  
Sacramento, California 95814[energy.ca.gov](http://energy.ca.gov)

CEC-70 (Revised 7/22)

*IN THE MATTER OF:**Request for Comments on Forthcoming  
Solicitation Regarding Advancing  
Precipitation Enhancement Strategies*

DOCKET NO. 19-ERDD-01

NOTICE OF "REMOTE-ACCESS"  
WORKSHOPRE: Forthcoming Solicitation Regarding  
Advancing Precipitation Enhancement  
Strategies**Notice of Staff Workshop: Advancing Precipitation Enhancement  
Strategies to Augment Hydropower and Water Resources in  
California****September 29, 2022**

9:30 a.m. – 11:00 a.m.

Remote Access Only

See Attendance Instructions.

California Energy Commission (CEC) staff will host a remote-access staff workshop seeking public comment on an upcoming solicitation for research to advance precipitation enhancement strategies for California.

The public can participate in the staff workshop consistent with the instructions for remote attendance via Zoom below. The CEC aims to begin promptly at the start time posted, and the end time is an estimate based on the proposed agenda. The workshop may end sooner or later than the posted end time.

**Agenda.**

CEC staff are seeking input from researchers, government agencies, investor-owned utilities (IOUs), and other interested stakeholders to inform the scope of an anticipated solicitation.

The proposed solicitation will support research efforts to advance the science and practice of precipitation enhancement, known as cloud seeding, for augmenting hydropower generation and water resources in California. The proposed solicitation will contribute to implementation of the Electric Program Investment Charge (EPIC) 2021-2025 Investment Plan. The workshop will

introduce the initial ideas on the scope and focus of the proposed solicitation, planned for release in late fourth quarter 2022.

## **Background**

Although cloud seeding operations have been conducted for more than 70 years, only in the last several years has the full process, from initiation of seeded ice crystals within clouds to snowfall, been scientifically documented through a combination of ground-based radar and in situ measurements using research aircraft. While these recent studies improve our understanding of the cloud seeding process, given the continuing pattern of diminishing snowpack, run-off, and hydropower generation in the western United States, additional research is needed.

Research from the proposed solicitation will help advance science-based strategies for precipitation enhancement for augmenting hydropower potential and water resources. This research will help improve understanding of efficacy of cloud seeding in California and may provide insights to help tailor cloud seeding strategies for a changing climate. Additionally, there is a need for improved understanding of prospects for cross-sectoral and cross-campaign collaboration as well as costs and benefits.

## **Remote Attendance Instructions**

### **Webinar Link:**

<https://energy.zoom.us/j/97580838464?pwd=TVIVZEk0eEo0NXFmcGtORmZvd0Y3Zz09>

**Webinar ID:** 975 8083 8464

**Passcode:** 110176

Participants may join via Zoom by internet or phone.

- **To join via Zoom**, click on:

<https://energy.zoom.us/j/97580838464?pwd=TVIVZEk0eEo0NXFmcGtORmZvd0Y3Zz09>

or login in at <https://zoom.us/> and enter the **webinar ID** 975 8083 8464 and **passcode** 110176 and follow all prompts.

- **To join by telephone**, call toll-free at (888) 475-4499 or toll at (669) 219-2599. When prompted, enter the **webinar ID** 975 8083 8464 and **passcode** 110176.

**Zoom Closed Captioning Service.** At the bottom of the screen, click the Live Transcript CC icon and choose "Show Subtitle" or "View Full Transcript" from the pop-up menu. To stop closed captioning, close the "Live Transcript", or select "Hide Subtitle" from the pop-up menu. If joining by phone, closed captioning is automatic and cannot be turned off. While closed captioning is available in real-time, it can include errors. A more accurate transcript of the workshop will be docketed and posted as soon as possible after the meeting concludes.

**Zoom Difficulty.** Contact Zoom at (888) 799-9666 ext. 2, or the CEC Public Advisor at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov), or by phone at (916) 957-7910.

**Public Comment.**

The CEC encourages the use of its electronic commenting system. Visit the e-commenting page for this docket [19-ERDD-01](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-ERDD-01) at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-ERDD-01>. Enter your contact information and a subject title that describes your comment.

Comments may be included in the "Comment Text" box or attached as a downloadable, searchable document in Microsoft® Word or Adobe® Acrobat®. The maximum file size allowed is 10 MB.

**Oral comments** will be accepted at the end of the workshop. Comments may be limited to three minutes or less per speaker and one person per organization. To comment via Zoom, use the "raise hand" feature so the administrator can announce your name and unmute you. To comment via telephone, press \*9 to "raise your hand" and \*6 to mute/unmute.

**Written comments** may be submitted to the Docket Unit by 5:00 p.m. on October 14, 2022. Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine. Written comments may also be submitted by email. Include docket number **19-ERDD-01** and "Staff Workshop Precipitation Enhancement" in the subject line and email to [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

A paper copy may be mailed to:

California Energy Commission  
Docket Unit, MS-4  
Docket No. 19-ERDD-01  
715 P Street  
Sacramento, California 95814

**Public Advisor.** The CEC's Public Advisor assists the public with participation in CEC proceedings. To request assistance, interpreting services, or reasonable modifications and accommodations, call (916) 957-7910 or email [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov) as soon as possible but at least five days in advance of the workshop. The CEC will work diligently to meet all requests based on availability.

**Direct media Inquiries** to [mediaoffice@energy.ca.gov](mailto:mediaoffice@energy.ca.gov) or call (916) 654-4989.

**Direct technical subject and general inquiries** to Martine Schmidt-Poolman at [martine.schmidt-poolman@energy.ca.gov](mailto:martine.schmidt-poolman@energy.ca.gov) or call (916) 776-0808.

**Availability of Documents:** Documents and presentations for this meeting will be available at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-ERDD-01>.

When new information is posted, an email will be sent to those subscribed to the Adaptation, Climate Change Issues, Energy Research and Development, Electric Program Investment Change (EPIC) Program. To receive these notices or notices of other email subscription topics, visit [Subscriptions](https://www.energy.ca.gov/subscriptions) at <https://www.energy.ca.gov/subscriptions>.

**Dated:** September 13, 2022, at Sacramento, California.

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Jonah Steinbuck  
Director of the Energy Research and Development Division

Subscriptions: Adaptation, Climate Change Issues, Energy Research and Development, Electric Program Investment Change (EPIC) Program