

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street
Sacramento, California 95814

Main website: www.energy.ca.gov

CEC-70 (Revised 06/18)



In the matter of:

**Geothermal Grant and Loan
Program Workshops and
Discussions**

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Docket No. 17-GRDA-01

**WORKSHOP
RE: Lithium Recovery from
Geothermal Brine**

Notice of Lead Commissioner Workshop on Lithium Recovery from Geothermal Brine

The Lead Commissioner for Renewable Energy of the California Energy Commission, David Hochschild, will conduct a workshop facilitating a conversation about lithium recovery from geothermal brine. Other commissioners from the Energy Commission may attend the workshop. A quorum of commissioners may be in attendance, but no votes will be taken.

Thursday, November 15, 2018

1:00 p.m.–5:00 p.m.

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

First Floor, Art Rosenfeld Hearing Room

Sacramento, California 95814-5512

(Wheelchair Accessible)

Remote Access by Computer or Phone via WebEx™
(Instructions below)

Agenda

Lead Commissioner David Hochschild and California Energy Commission staff will seek input from stakeholders including developers of lithium recovery technologies, lithium marketers, geothermal facility operators, investors, local governments, and state and federal agencies involved in lithium recovery from geothermal brine. The workshop will include presentations and panel discussions on the following topics:

- Demand for Development – discussion on the demand for lithium and the additional benefits development of lithium extraction can bring to the geothermal community, local municipalities, battery manufacturers, and the state.
- Barriers and Opportunities – discussion on the current state of lithium recovery and production in California, the barriers that need to be overcome to expand production, and the opportunities lithium recovery offers for stakeholders and government agencies.

- Policy and Funding Priorities – discussion of the needs and opportunities for policy and financial support of the entire lithium production process and what may be needed to mitigate risks for citizens, investors, developers and the state.

An agenda will be posted prior to the workshop at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=17-GRDA-01>.

Background

The Energy Commission recognizes that the demand for lithium is likely to increase in the immediate future due to a growing demand for battery storage to support transportation electrification and the integration of storage technologies in all scales of renewable energy generation. An increase in demand for lithium coupled with advances in processes and technologies for lithium recovery, may provide California a unique opportunity to foster an environmentally beneficial market. Increased recovery of lithium from geothermal brine is also estimated to bring with it large revenues, local economic development opportunities within the state, and an opportunity to secure a world class source of battery-grade lithium within California. The Energy Commission also has a long history of promoting the development of geothermal energy resources and technologies including funding projects that research and demonstrate lithium and other mineral recovery from geothermal brine. At this critical point in time for lithium use and production, Energy Commission staff seek to better understand the issues and opportunities created by the extraction of lithium from geothermal brines.

For any inquiries and questions pertaining to the Energy Commission's efforts to work with stakeholders involved in the recovery of lithium from geothermal brines, please contact Elisabeth de Jong by email at Elisabeth.deJong@energy.ca.gov or phone at (916) 654-4878.

Public Comment

Oral comments. The Lead Commissioner for Renewable Energy will accept oral comments during the workshop. Comments may be limited to five minutes per speaker. Any comments will become part of the public record in this proceeding.

Written comments. Written comments should be submitted to the Dockets Unit by **5:00 p.m. on December 6, 2018**. Written comments will also be accepted at the workshop, however, the Commission may not have time to review them before the conclusion of the meeting.

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

The Energy Commission encourages use of its electronic commenting system. Visit the website at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=17-GRDA-01>.

This will take you to the page for adding comments to this docket. Please enter your contact information, any organization name, and a comment title describing the subject of your comments. You may include comments in the box titled "Comment Text" or attach a file in a downloadable, **searchable format** in Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf). Maximum file size is 10 MB.

Written comments may also be submitted by emailing them (include the docket number 17-GRDA-01 and *Lithium Recovery Workshop* in the subject line) to the Docket Unit at docket@energy.ca.gov.

If you prefer, you may send a paper copy of your comments to:

California Energy Commission
Docket Unit, MS-4
Re: Docket No. 17-GRDA-01
1516 Ninth Street
Sacramento, CA 95814-5512

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 need reasonable accommodation and require assistance to participate, please contact Yolanda Rushin at yolanda.rushin@energy.ca.gov or (916) 654-4310 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 Elisabeth de Jong at Elisabeth.deJong@energy.ca.gov or (916) 654-4878.

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. Please be aware that the meeting may be recorded.

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VIA COMPUTER: Go to <https://energy.webex.com/ec>. If this event is shown on the list of events, click on its "Join" link. If it is not listed, click the "Unlisted Events" link on the left of your screen and enter the meeting number **925 283 868**. When prompted, enter your name and email address. No meeting password is needed.

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3. To have WebEx call you: Enter your phone number and click "Call Me."
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VIA TELEPHONE ONLY (no visual presentation): Call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the meeting number **925 283 868**.

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VIA MOBILE DEVICES: Access to WebEx meetings is now available from your mobile device. To download an app, go to www.webex.com/products/web-conferencing/mobile.html.

Please be aware that WebEx audio and on-screen activity may be recorded. WebEx Technical Support is available at 1-866-229-3239.

Muting

We greatly appreciate your cooperation in reducing unwanted noise on the audio connection by muting your line when you are not speaking. Mute your line rather than placing your phone on hold. Using WebEx, you may mute yourself by right clicking on your name in the panelists or attendees list and selecting "Mute." If you are only using a telephone connection, press "*6" once to mute and again to unmute.

Availability of Documents

Documents and presentations for this meeting will be available online at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=17-GRDA-01>.

Dated: October 30, 2018, at Sacramento, CA



David Hochschild
Lead Commissioner

Mail Lists:
Geothermal
Research
EPIC