

DOCKETED

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CEC-70 (Revised 7/22)

***IN THE MATTER OF:******Advanced Battery Bankability and
Manufacturing Readiness Center
Funding Concept***

DOCKET NO. 19-ERDD-01

NOTICE OF REMOTE-ACCESS
WORKSHOPRE: Advanced Battery Bankability and
Manufacturing Readiness Center Funding
Concept**Notice of Workshop:
Advanced Battery Bankability and Manufacturing Readiness
Center Funding Concept****October 27, 2022**

9:00 a.m. - 12:00 p.m.

Remote Access Only

See Attendance Instructions.

California Energy Commission (CEC) staff will host a remote-access workshop to discuss funding for an Advanced Battery Bankability and Manufacturing Readiness Center (Center) concept. CEC staff will incorporate public comments received at the workshop into a future competitive solicitation to select an organization to establish and operate the Center. The purpose of the Center is to provide battery technology stakeholders with access to key services, expertise, and facilities to accelerate the development and adoption of new advanced battery technologies into electric transportation applications, stationary energy storage applications, and other battery-powered clean energy applications.

A quorum of commissioners may participate, but no votes will be taken. The public can participate in the workshop consistent with the attendance instructions 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

The workshop will include a staff presentation on the proposed funding concept, including the background, and an overview of available funding. In addition, the workshop may include presentations and panel discussions by battery technology companies, battery customers, and representatives from government and industry to provide insight into how this center could provide value and fill gaps in the battery technology ecosystem. There will be opportunities for Q&A and public comment.

A [detailed meeting schedule](https://www.energy.ca.gov/event-calendar) will be posted prior to the workshop at <https://www.energy.ca.gov/event-calendar>.

Background

The large format lithium-ion battery industry (batteries for electric transportation and stationary storage) appears to be at a tipping point, with costs having decreased nearly 90 percent since 2010. This tipping point coincides with increasing demand for batteries as an increasing number of vehicle manufacturers announce electric vehicle (EV) offerings and battery energy storage system (BESS) installations continue to grow exponentially. However, lithium-ion battery chemistries, which are the most prevalent today, are starting to reach performance limitations. To scale the electric transportation and BESS market and enable medium and heavy-duty transportation electrification and applications such as electric aviation, significant battery performance improvements in energy density, cost, safety, and more are required. Because these requirements may be beyond what commercially available lithium-ion batteries are capable of doing, other battery chemistries must be investigated for performance.

Numerous start-up companies in California are working on next-generation battery technologies that can overcome the cost and performance limitations of current lithium-ion technology, as well as address supply chain, safety, and environmental concerns. However, industry stakeholders, including vehicle and battery original equipment manufacturers (OEMs) have been slow to adopt and incorporate promising new battery technologies and battery designs into their product offerings over concerns regarding reliability, safety, manufacturability, longevity, and more. Additionally, industry participants including vehicle and battery OEMs must substantiate performance claims by battery technology start-up companies, which can be time-consuming and expensive. The slow adoption rates by industry participants also hinder the ability of battery technology start-up companies to raise capital for scale-up since investors are unlikely to invest large sums in these companies without an industry partner.

Remote Attendance Instructions

Participants may join via Zoom by internet or phone.

- **To join via Zoom.** Click on <https://energy.zoom.us/j/99529817907?pwd=UExiUGtWOXpuczN6a3FXTUFIYUVJUT09> or login in at <https://zoom.us/> and enter the **Webinar ID 995 2981 7907** and passcode **EPIC2022** 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 995 2981 7907** and passcode **EPIC2022**.

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, or by phone at (916) 957-7910.

To Participate by Telephone, dial (786) 635-1003 or (888) 475-4499 (Toll Free). When prompted, enter the ID: 995 2981 7907. To comment, dial *9 to "raise your hand" and *6 to mute/unmute your phone line.

Public Comment.

The CEC encourages the use of its electronic commenting system. Visit the [e-commenting page](https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=19-ERDD-01) <https://efiling.energy.ca.gov/EComment/EComment.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 November 17, 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 Scoping an Advanced Battery Bankability and Manufacturing Readiness Center in the subject line and email to 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 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 or (916) 654-4989.

Direct general or technical subject inquiries to Anthony Ng at anthony.ng@energy.ca.gov or (415) 812-1112.

Availability of Documents: Documents and presentations for this meeting will be available at [Docket Unit 19-ERDD-01](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-ERDD-01), <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 Electric Program Investment Charge (EPIC) Program subscription topic. 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: October 17, 2022, at Sacramento, California.

David Hochschild
Chair, California Energy Commission