

DOCKETED	
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CALIFORNIA ENERGY COMMISSION

715 P Street
Sacramento, California 95814

energy.ca.gov

CEC-70 (Revised 7/22)



IN THE MATTER OF:

*2025 Integrated Energy Policy Report (2025
IEPR)*

Re: Hydrogen

DOCKET NO. 25-IEPR-04

NOTICE OF HYBRID WORKSHOP

Notice of IEPR Commissioner Workshop on Firm Zero-Carbon Resources and Hydrogen

July 29, 2025

9:30 a.m. – 5:00 p.m.

In-person at

California Natural Resources Building
715 P Street, First Floor Auditorium
Sacramento, CA 95814
(Wheelchair accessible)

Remote Option via Zoom

via Zoom™ <https://zoom.us/>,

Meeting ID: **834 2712 4579** and Meeting passcode: **2025**

The California Energy Commission (CEC) will host a workshop to provide an overview of the state of the market for firm zero-carbon resources to support reliability and the potential of hydrogen for the power and transportation sectors. It will include insights from CEC staff analysis in these areas, a discussion of clean firm capacity needs by load-serving entities (LSEs) and publicly owned utilities (POUs), and presentations from technology developers. The workshop provides an opportunity for stakeholders and interested members of the public to gain insights into the state of development for firm zero-carbon technologies and hydrogen. The information gained from this workshop will help guide the development of Integrated Energy Policy Report (IEPR) chapters on firm zero-carbon technologies and hydrogen.

This workshop is part of the *2025 Integrated Energy Policy Report (2025 IEPR)* proceeding. Chair David Hochschild is the CEC's lead commissioner for the *2025 IEPR* with Vice Chair Siva Gunda as the associate commissioner. The CEC aims to begin promptly at the start time posted, and the end time is an estimate based on the proposed agenda. It may end sooner or later than the posted end time.

The public can participate consistent with the attendance instructions below.

Agenda

The workshop will include panels covering a broad range of topics, including technology development, market trends, and technical analysis. The morning session will address California's clean firm resource capacity needs by presenting a range of perspectives from utilities, policy makers, and technology developers. Representatives from LSEs and POU's will provide detailed insights into how clean firm capacity is being incorporated into resource planning, with particular emphasis on balancing system reliability, cost-effectiveness, and decarbonization objectives.

In addition, staff from the CEC will deliver an update on the [Senate Bill 423 Emerging Renewable and Firm Zero-Carbon Resources Report](https://www.energy.ca.gov/publications/2024/sb-423-emerging-renewable-and-firm-zero-carbon-resources-report-assessment-firm), summarizing key findings, emerging market trends, and priority areas for continued research and policy support to advance the development and deployment of these resources.

The workshop will also include a panel featuring technology developers and industry representatives, who will discuss current and emerging technological pathways, existing barriers to commercialization, and strategies for scaling up firm zero-carbon resources across the state. The session is intended to facilitate an in-depth dialogue among panelists to identify practical solutions and guide future actions.

The afternoon session includes an overview of the hydrogen market and an industry panel exploring the role of hydrogen in California's clean energy transition. Panelists will discuss the production and use of clean hydrogen in the power and transportation sectors. Panelists will highlight advancements in clean hydrogen production from multiple feedstocks, storage, transportation, and conversion methods.

The session will include a state agency panel presenting progress toward and preliminary findings for the analysis required under Senate Bill 1075 (Skinner, Chapter 363, Statutes of 2022). Agencies will discuss the use of clean electrolytic and biogenic hydrogen for power and transportation, examining policy options, production pathways, and strategies to advance California's climate, workforce, and equity goals.

There will be opportunities for public comment at the workshop. See Attendance Instructions below for more information.

A detailed meeting schedule will be posted before the workshop at [2025 IEPR Workshops, Notices, and Documents](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2025-integrated-energy-policy-report/2025-iepr), <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2025-integrated-energy-policy-report/2025-iepr>.

Background

Senate Bill 423 (Stern, Chapter 243, Statutes of 2021) requires the CEC to incorporate an assessment of firm zero-carbon resource into the biennial report prepared pursuant to Public Resources Code Section 25302. This assessment will identify resources that can deliver zero-carbon electricity with high availability for the expected duration of multiday extreme weather events and ease integration of eligible renewable energy resources into the electrical grid and the transition to a zero-carbon electrical grid. Senate Bill 1075 requires the CEC to study and model potential growth for “green” hydrogen in the power generation and transportation sectors and report analysis and findings in 2023 and 2025 IEPRs. The analysis included in the *2025 IEPR* builds on the analysis in the *2023 IEPR*.

Attendance Instructions

In-person participants may join at the First Floor Auditorium in the California Natural Resources Agency (CNRA) Building, 715 P Street, Sacramento, California 95814.

Remote participants may join via Zoom via internet or phone.

- **To join via Zoom.** Click on <https://energy.zoom.us/j/83427124579?pwd=nEHugExlRlRpNlBlIGacy3mfbaPMND.1> or login in at <https://zoom.us/> and enter the Meeting ID **834 2712 4579** and passcode **2025** 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 Meeting ID **834 2712 4579** and passcode **2025**.

If you experience difficulties joining, contact Zoom at (888) 799-9666 ext. 2, or the Public Advisor at publicadvisor@energy.ca.gov, or by phone at (916) 957-7910.

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. While closed captioning is available in real time, it can include errors.

Public Comment

There will be an opportunity for public comment at the end of the morning session and at the end of the afternoon session. The CEC will take public comment in the room and via Zoom. Comments may be limited to three minutes or less per speaker and one person per organization. Depending on the number of members of the public seeking to make a comment, the facilitator may adjust the total time allotted for public comment and the time allotted for each comment.

If commenting in person, please follow the instructions provided at the workshop to sign up to make comments and wait to be called on. If participating via Zoom's online platform, use the "raise hand" feature to alert the administrator that you would like to make a comment during the public comment period.

If participating by telephone, press *9 to "raise your hand" and *6 to mute/unmute. An administrator will call on you by the last three digits of your phone number. Unmute your phone before introducing yourself and sharing your comment.

Written comments may be submitted to the Docket Unit by 5:00 p.m. on **August 19, 2025**.

The CEC encourages use of its electronic commenting system. Visit the [e-commenting page](https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=25-IEPR-04) at <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=25-IEPR-04>, which links to the comment page for this docket. Enter your contact information and a comment title describing the subject of your comment(s). Comments may be included in the "Comment Text" box or attached as a downloadable, searchable document consistent with Title 20 of the California Code of Regulations, Section 1208.1. The maximum file size allowed is 10 MB.

Written comments may be submitted by email. Include docket number **25-IEPR-04** and "Firm Zero-Carbon Resources and Hydrogen" in the subject line and email to docket@energy.ca.gov

If preferred, a paper copy may be sent to:

California Energy Commission
Docket Unit, MS-4
Docket No. 25-IEPR-04
715 P Street
Sacramento, California 95814-5512

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.

Contacts

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.

Zoom Difficulty Contact Zoom at (888) 799-9666 ext. 2, or the CEC Public Advisor, see above.

Media Inquiries Email mediaoffice@energy.ca.gov or call (916) 654-4989.

Technical Subject Inquiries IEPR@energy.ca.gov.

General Inquiries regarding the IEPR proceeding to IEPR@energy.ca.gov or (916) 796-5987.

Availability of Documents

Documents and presentations for this meeting will be available online at, [Docket Log 25-IEPR-04](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=25-IEPR-04)
<https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=25-IEPR-04>.

When new information is posted, an email will be sent to those subscribed to the Integrated Energy Policy Report list subscription. 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: Thursday, July 10, 2025, at Sacramento, California

Subscriptions: Diversity Outreach Program; Integrated Energy Policy Report; Tribal Program; Climate Change Issues; Decarbonization Topics; Efficiency Topics; Energy Efficiency Program for Existing Buildings; Electricity Issues; General Natural Gas and LNG Issues; Clean Transportation Program; General Transportation and Petroleum Issues; Disadvantaged Communities Advisory Group