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**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street  
Sacramento, California 95814

Main website: [www.energy.ca.gov](http://www.energy.ca.gov)

CEC-70 (Revised 09/19)



IN THE MATTER OF:

*2020 Integrated Energy Policy Report  
Update (2020 IEPR Update)*

Docket No. 20-IEPR-02

NOTICE OF WORKSHOP

RE: Hydrogen Market Status

## Notice of IEPR Commissioner Workshop on Hydrogen Market Status

The Lead Commissioner for the *2020 Integrated Energy Policy Report Update (2020 IEPR Update)*, Patty Monahan, will host a workshop to gather information on the market status of hydrogen as a transportation fuel and on fuel cell electric vehicles (FCEVs).

A quorum of Commissioners may participate, but no votes will be taken.

**Wednesday, March 18, 2020**

**10:00 AM**

Warren-Alquist State Energy Building  
Art Rosenfeld Hearing Room, First Floor  
1516 Ninth Street, Sacramento, California 95814  
(Wheelchair Accessible)

Remote access is available by computer or phone via [WebEx](https://energy.webex.com/).™  
For details, go to <https://energy.webex.com/>.

### Agenda

This workshop will focus on the status, trends, and markets in FCEVs and hydrogen. The workshop will open with an overview presentation on FCEV and hydrogen markets globally. The morning will include a panel discussion of heavy-duty FCEVs followed by a panel discussion of light-duty FCEVs in the afternoon. Presenters and panelists will include partnering state agencies, market research firms, FCEV manufacturers, hydrogen fueling station developers, transportation districts using FCEVs, and other stakeholders.

A detailed meeting schedule will be posted prior to the workshop at the [2020 IEPR Update](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update) page, <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update>.

## Background

The transportation sector remains the largest contributor to greenhouse gas (GHG) emissions in the state and, unlike other sectors, has not seen a decline in emissions in recent years. Zero-emission vehicles (ZEVs), including vehicles that refuel with electricity or hydrogen, represent a critical pathway for reducing GHG emissions from the transportation sector. For this reason, a number of statewide policies have called for an accelerated transition to ZEVs, including FCEVs.

- Pursuant to the Assembly Bill 32 (Nunez, Chapter 488, Statutes of 2006), *California's 2017 Climate Change Scoping Plan* scenario for GHG reduction establishes a goal for increasing ZEVs on the road through 2030, including FCEVs.
- Senate Bill 350 (De León, Chapter 547, Statutes of 2015) directs state agencies to identify and assess barriers for zero-emission transportation options for disadvantaged communities, and to develop recommendations on how to increase ZEV access and benefits in disadvantaged communities. Pursuant to Senate Bill 350, the California Air Resources Board, in consultation with the California Energy Commission (CEC), released the “Low-Income Barriers Study, Part B: Overcoming Barriers to Clean Transportation Access for Low-Income Residents - Final Guidance Document” in February 2018.<sup>1</sup>
- Executive Order B-48-18 established a goal for 5 million ZEVs on California's roads and 200 hydrogen fueling stations installed in the state by 2030, and also orders state entities to ensure that hydrogen fueling options are affordable and accessible to all drivers.
- Executive Order N-19-19 requires the state to redouble efforts to reduce GHG emissions in part by proposing new strategies to increase demand for affordable ZEVs.

This workshop will inform staff and the Lead *2020 IEPR Update* Commissioner on the latest market trends, opportunities, and challenges for FCEVs as a strategy to increase ZEV adoption statewide in alignment with these policies. It will contribute to the development of the *2020 IEPR Update* findings and policy recommendations. Later workshops will explore opportunities to advance other ZEVs statewide.

## Public Comment

### Oral Comments:

Commissioners will accept oral comments at the end of the workshop. Public comments may be limited to three minutes or less per speaker and to one person per organization. If participating via WebEx, use the “raise hand feature” so the administrator can introduce you and unmute your microphone after comments from the floor.

### Written comments.

Written comments must be submitted to the Docket Unit by **5:00 p.m. on April 1, 2020.**

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<sup>1</sup> California Air Resources Board, “[Low-Income Barriers Study, Part B: Overcoming Barriers to Clean Transportation Access for Low-Income Residents - Final Guidance Document](https://ww2.arb.ca.gov/sites/default/files/2018-08/sb350_final_guidance_document_022118.pdf),” February 21, 2018. Available at: [https://ww2.arb.ca.gov/sites/default/files/2018-08/sb350\\_final\\_guidance\\_document\\_022118.pdf](https://ww2.arb.ca.gov/sites/default/files/2018-08/sb350_final_guidance_document_022118.pdf)

Written and oral comments, attachments, and associated contact information (including address, phone number, email address) will become part of the public record of this proceeding with access available via any Internet search engine.

**For the 2020 IEPR Update, the CEC encourages use of its electronic commenting system.**

Visit the CEC Electronic [Add Comment](#) page or visit <https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=20-IEPR-02>, 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 in Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf) file. Maximum file size is 10 MB.

Written comments may also be submitted by email if you choose not to use the electronic filing system. Include the docket number 20-IEPR-02 and ZEV Market Trends in the subject line and email to [docket@energy.ca.gov](mailto:docket@energy.ca.gov).

If preferred, a paper copy may be sent to:

California Energy Commission  
Docket Unit, MS-4  
Re: Docket No. 20-IEPR-02  
1516 Ninth Street  
Sacramento, California 95814-5512

**Public Advisor and Other Commission Contacts**

The CEC’s Public Advisor’s Office provides the public with assistance in participating in CEC proceedings. For information on how to participate in this forum, or to request language services or other reasonable accommodations, please contact the Public Advisor, Noemí O. Gallardo, at [publicadvisor@energy.ca.gov](mailto:publicadvisor@energy.ca.gov), or by phone at (916) 654-4489, or toll free at (800) 822-6228 or via fax at (916) 654-4493. Requests for language services and reasonable accommodations should be made at least five days in advance. The CEC will work diligently to accommodate late requests.

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

Questions on the technical subject matter of this meeting, should be directed to Quentin Gee at [quentin.gee@energy.ca.gov](mailto:quentin.gee@energy.ca.gov) or (916) 654-3837.

For general questions regarding the IEPR proceeding, please contact Raquel Kravitz at [raquel.kravitz@energy.ca.gov](mailto:raquel.kravitz@energy.ca.gov) or (916) 651-8836.

**Remote Attendance**

WebEx is the CEC’s online meeting service. When attending remotely, presentations will appear on your computer/laptop/mobile device screen, and audio may be heard via the device or telephone. Please be aware that the WebEx meeting will be recorded. WebEx technical support is available at 1-866-229-3239.

### **Via Computer:**

Go to the [CEC WebEx](https://energy.webex.com/ec) page, <https://energy.webex.com/ec>. If this event is listed, click "Join." If not, click "Unlisted Events" on the left of the screen and enter Event Number **927 085 113**. When prompted, enter your name and email address. The password is **CEC@2020**.

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, select "Global call-in number."
3. To have WebEx call you, enter your phone number and click "Call Me."
4. For Internet audio: If you have a broadband connection, a headset, or a computer microphone and speakers, you may use VoIP (Internet audio). Go to the audio menu and click "Use Computer Headset," then "Call Using Computer."

### **Via Telephone Only:**

(no visual presentation): Dial 1-866-469-3239 (toll-free in the U.S. and Canada) and when prompted, enter the Event Number (from above). International callers may select a number from the [WebEx International Call Number List](https://energy.webex.com/energy/globalcallin.php), <https://energy.webex.com/energy/globalcallin.php>.

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Download the application from the [WebEx Mobile site](http://www.webex.com/products/web-conferencing/mobile.html), [www.webex.com/products/web-conferencing/mobile.html](http://www.webex.com/products/web-conferencing/mobile.html).

### **Availability of Documents**

Documents and presentations for this meeting will be available online at [2020 IEPR Update](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update) page, <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update> or [IEPR Transportation Docket Log](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=20-IEPR-02) <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=20-IEPR-02>.

When new information is posted, an email will be sent to those on the energypolicy list serve. Those interested in receiving these notices can subscribe in the lower right corner at the [Integrated Energy Policy Report](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report) page, <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report>, or alternatively manage existing list serves or sign up for others at the [CEC List Servers](http://www.energy.ca.gov/listservers/index.html), <http://www.energy.ca.gov/listservers/index.html>.

Dated: Wednesday, March 4, 2020, at Sacramento, California

Original Signed by:

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Patty Monahan  
Commissioner  
*2020 Integrated Energy Policy Report Update*

Mail Lists: energypolicy, electricity, transportation, altfuels, dcag, diversity, barriers