

DOCKETED	
Docket Number:	20-IEPR-02
Project Title:	Transportation
TN #:	233739
Document Title:	Notice of Workshop on Zero Emission Vehicle Resilience and Three Revolutions in Transportation
Description:	<p>The three-part workshop will be held over two days as follows:</p> <p>Wednesday, July 15, 2020</p> <ul style="list-style-type: none"> • 1:00 PM: Session 1–Energy Resilience and ZEVs <p>Thursday, July 16, 2020</p> <ul style="list-style-type: none"> • 9:30 AM: Session 2–Three Revolutions, Opportunities, Challenges, and Intelligent Transportation Systems • 2:00 PM: Session 3–Electrifying Transportation Network Companies <p>Remote Access Only–Remote access is available by internet or phone via Zoom.™ For details, go to the CEC Zoom page at https://energy.zoom.us/</p>
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Organization:	Energy Commission
Submitter Role:	Commission Staff
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CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814Main website: www.energy.ca.gov

CEC-70 (Revised 09/19)



In the matter of:)	Docket No. 20-IEPR-02
)	
<i>2020 Integrated Energy Policy Report Update</i>)	NOTICE OF REMOTE ACCESS
<i>(2020 IEPR Update)</i>)	WORKSHOP
)	
)	RE: Zero Emission Vehicle
)	Resilience and Three
)	Revolutions in Transportation

Notice of Workshop on Zero Emission Vehicle Resilience and Three Revolutions in Transportation

The California Energy Commission (CEC) will conduct a workshop to discuss energy resilience in relation to zero emission vehicles (ZEV) and the “three revolutions” of transportation electrification, automation, and mobility as a service. The workshop is part of the CEC’s *2020 Integrated Energy Policy Report Update (2020 IEPR Update)* proceeding.

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

The workshop will be held remotely, consistent with Executive Orders N-25-20 and N-29-20 and the recommendations from the California Department of Public Health to encourage physical distancing to slow the spread of COVID-19. The public is able to participate and observe the workshop consistent with the direction in these Executive Orders. Instructions for remote participation are provided below.

The three-part workshop will be held over two days as follows:

Wednesday, July 15, 2020

- 1:00 PM: Session 1—Energy Resilience and ZEVs

Thursday, July 16, 2020

- 9:30 AM: Session 2—Three Revolutions, Opportunities, Challenges, and Intelligent Transportation Systems
- 2:00 PM: Session 3—Electrifying Transportation Network Companies

Remote Access Only—Remote access is available by internet or phone via [Zoom](https://energy.zoom.us).™ For details, go to the [CEC Zoom page](https://energy.zoom.us) at [https://energy.zoom.us/](https://energy.zoom.us)

Agenda

This workshop will focus on energy resilience and ZEVs as well as the three revolutions in transportation (electrification, automation, and mobility as a service).

Session 1 will feature two panels related to energy resilience and ZEVs that include energy consultants, ZEV manufacturers, ZEV fleet operators, charging equipment manufacturers, academics, microgrid operators, and other stakeholders.

- The first panel will discuss the possibility of ZEVs contributing to energy resilience for the electrical grid.
- The second panel will discuss the options for ensuring that battery-electric vehicles (BEVs) can maintain their functionality in cases of longer-term large-scale power disruptions.

Session 2 will open with two presentations on the opportunities and challenges for the three revolutions in transportation. It will also include a panel discussion on intelligent transportation systems, specifically around increasing transportation automation.

Session 3 will involve a panel discussion on electrifying transportation network companies (TNCs).

Panelists and presenters for sessions 2 and 3 will include electric vehicle service equipment companies, academics, fleet operators, community based organizations, TNCs, and other stakeholders.

A detailed meeting schedule will be posted prior to the workshop at the [2020 IEPR Update Workshops, Notices, and Documents](https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update-0) page, <https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update-0>.

Background

The transportation sector remains the largest contributor to greenhouse gas (GHG) emissions in the state. With the exception of recent reductions in vehicle-miles traveled associated with the COVID-19 crisis, this sector has not seen a decline in emissions in recent years.

ZEVs offer several GHG and air pollution reduction benefits, and could even contribute to the electricity grid by using either batteries or fuel cells as sources of power for various grid emergencies or for the community at large. However, electric vehicles that use batteries are also generally dependent on the electricity grid. Thus, we must take ZEVs into account as part of our energy resilience strategy.

The “three revolutions” in transportation include electrification, automation, and mobility as a service. While these three trends may offer valuable benefits to the economy and to California residents, it is not a guarantee that the benefits will be equitably spread across all people and communities. And although these transportation innovations may reduce GHG and criteria pollutants, ensuring so requires effective coordination.

Several state policies address the topics of this workshop:

- Pursuant to Assembly Bill 32 (Nunez, Chapter 488, Statutes of 2006), the California Air Resources Board's (CARB) *California's 2017 Climate Change Scoping Plan* scenario for GHG reduction establishes a goal for increasing ZEVs on the road through 2030. Additionally, the plan emphasizes the importance of battery-electric ZEVs and their potential impact on the grid. It also calls for ensuring that automated and connected vehicles are part of the solution to a lower carbon transportation sector.
- Senate Bill 1014 (Skinner, Chapter 369, Statutes of 2018) requires TNCs to increase ZEV usage in their operations.
- 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.
- Executive Order B-48-18 established a goal for five million ZEVs on California's roads; 250,000 electric vehicle chargers; and 200 hydrogen fueling stations installed in the state by 2030.
- 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.

Consistent with these statutes, policies, and orders, this workshop will inform staff and the Lead *2020 IEPR Update* Commissioner on the latest trends, opportunities, and challenges for ZEVs and energy resilience and for the three revolutions in transportation. It will contribute to the development of the *2020 IEPR Update* findings and policy recommendations.

Public Comment

Oral Comments:

Commissioners will accept oral comments at the end of each panel session. Public comments may be limited to three minutes or less per speaker and to one person per organization. To make a comment during the workshop, please use the "raise hand" feature in Zoom. If attending the workshop via telephone, dial *9 to raise your hand and *6 to mute/unmute your phone line.

Written comments:

Written comments must be submitted to the Docket Unit by **5:00 p.m. on August 6, 2020.**

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 Resilience" or "Three Revolutions" 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
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 proceeding, or to request language services or other reasonable accommodations, please contact the public advisor, Noemí O. Gallardo, at publicadvisor@energy.ca.gov, or by phone at (916) 654-4489, or toll free at (800) 822-6228. 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.

Zoom: If you experience difficulties with the Zoom platform, please contact the Public Advisor's office via email or phone. (Contact information above.)

Media inquiries should be directed to the Media and Public Communications Office at 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 or (916) 654-3837.

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

Remote Attendance

Participants may join any or all scheduled panel sessions by clicking on the links below. You may also access Zoom at this address, <https://join.zoom.us>, and enter the unique Webinar ID and password for each session (listed below). Zoom technical support is available at 1-888-799-9666 ext. 2, or you may contact the CEC's Public Advisor's Office at publicadvisor@energy.ca.gov or

(916) 654-4489, or toll-free at 800-822-6228. To comment or ask a question using Zoom's online platform, use the "raise hand" feature. To comment by telephone, see instructions below.

Wednesday July 15, 2020

Click [Session 1 – Energy Resilience and ZEV](#)

(<https://energy.zoom.us/j/92713699171?pwd=MGNCbFlta1FxV1lnSGg0T1lKM0tEQT09>)

Webinar ID: 927 1369 9171 **Webinar Password:** IEPR2020

Thursday July 16, 2020

Click [Session 2 – Three Revolutions, Opportunities, Challenges, and Intelligent Transportation Systems](#)

(<https://energy.zoom.us/j/97979710454?pwd=VFNhdlF6ZmJhQjRmRURZLzFnV3JZUT09>)

Webinar ID: 979 7971 0454 **Webinar Password:** IEPR2020

Click [Session 3 – Electrifying Transportation Network Companies](#)

(<https://energy.zoom.us/j/96148393479?pwd=bkZRBWxnOHdNUjV3OVcyRnR2UzZEdz09>)

Webinar ID: 961 4839 3479 **Webinar Password:** IEPR2020

Participate by Telephone:

To participate by telephone, call Zoom at 1-888-853-5257 or 1-888-475-4499 (toll free). When prompted, input the unique Webinar ID for the session of your choice (listed above). To comment or ask a question over the telephone, dial *9 to "raise your hand" and *6 to mute/unmute.

Availability of Documents

Documents and presentations for this meeting will be available online at [IEPR Workshop, Meeting and Request Comments](#),

<https://www.energy.ca.gov/data-reports/reports/integrated-energy-policy-report/2020-integrated-energy-policy-report-update> or [Docket Log: 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](#) 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>.

Dated: July 3, 2020 at Sacramento, California

Original Signed by:

Patty Monahan
Commissioner
2020 Integrated Energy Policy Report Update

List Servers: energypolicy, electricity, transportation, altfuels, dcag, diversity, barriers