

DOCKETED

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CALIFORNIA ENERGY COMMISSION

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In the matter of:) Docket No. 20-IEPR-01
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 Preparation of the)
 2020 Integrated Energy Policy Report Update)
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Request for Public Comments on the Draft Scoping Order for the 2020 Integrated Energy Policy Report Update

The California Energy Commission (CEC) proposes that the 2020 Integrated Energy Policy Report Update (*2020 IEPR Update*) consist of three products (1) a report on transportation trends, challenges, and opportunities; (2) an update to the demand forecast; and (3) an assessment of microgrids. Commissioner Patty Monahan will lead the transportation analysis and is lead for the overall IEPR, while Commissioner Andrew McAllister will lead the demand forecast and Chair David Hochschild will lead the assessment of microgrids.

On odd years (for example, 2019), the IEPR is a relatively comprehensive state energy policy report, while on even years (for example, 2018), the IEPR is a shorter update on key topics. As proposed, the *2020 IEPR Update* will focus on the transportation sector, the state's largest source of greenhouse gas (GHG) emissions.

The CEC is seeking comments on the proposed scope and general schedule for the *2020 IEPR Update*.

Legislative Authority for the IEPR

Public Resources Code Section 25301(a) requires that, at least every two years, the CEC “conduct assessments and forecasts of all aspects of energy industry supply, production, transportation, delivery and distribution, demand, and prices. The CEC shall use these assessments and forecasts to develop and evaluate energy policies and programs that conserve resources, protect the environment, ensure energy reliability, enhance the state's economy, and protect public health and safety.”

Public Resources Code Section 25302(c) requires the CEC to prepare an update in alternate years to provide a progress report on issues raised in the biennial IEPR or to identify new energy issues that have arisen during the intervening year. The *2020 IEPR Update* will fulfill that requirement.

Pursuant to Public Resources Code Section 25300(d), “The Legislature further finds and declares that timely reporting, assessment, forecasting, and data collection activities are essential to serve the information and policy development needs of the Governor, the Legislature, public agencies, market participants, and the public.”

Climate-Related Energy Policies

California laws and Executive Orders mandate that the state's energy system must quickly transition away from fossil fuel combustion and towards zero and near-zero emission fuels and technologies, while protecting consumers and ensuring disadvantaged communities benefit from this transition. The following statutes and Executive Orders provide some examples of California's commitment to equitable and clean energy.

- Senate Bill 32 (Pavley, Chapter 249, statutes of 2016) set a statewide goal of reducing California's GHG emissions 40 percent below 1990 levels by 2030.
- Assembly Bill 197 (Garcia, Chapter 250, statutes of 2016) required that the state's climate change policies be transparent and equitable, with clear benefits for disadvantaged communities.
- Senate Bill 100 (De León, Chapter 310, Statutes of 2018) established a renewable electricity goal of 60 percent by 2030 and codified the state's commitment to developing a carbon-free electricity sector by 2045.
- Senate Bill 1339 (Stern, Chapter 566, Statutes of 2018) requires the CEC, California Public Utilities Commission, and the California Independent System Operator to help transition microgrids from a promising emerging technology solution to a commercial product that helps California meet its energy goals.
- In 2018, Executive Order B-55-18 established a statewide goal of achieving carbon neutrality by 2045.

The transportation sector is the largest source of GHG emissions in California, and various state policies require the state to accelerate deployment of zero and near-zero emission vehicles including:

- In 2012, Executive Order B-16-2012 set a goal of reaching 1.5 million zero emission vehicles by 2025.
- The 2017 Scoping Plan: led by the California Air Resources Board with support from 20 additional state agencies, highlighted the importance of transitioning to zero emission cars, trucks, buses, and equipment, while increasing the use of clean, low carbon fuels where zero-emission options are not yet available.
- In 2018, Executive Order B-48-18 called for at least 5 million zero emission vehicles by 2030, as well as 250,000 plug-in electric vehicle chargers (including 10,000 direct fast current chargers), and 200 hydrogen refueling stations by 2025.
- In 2019, Executive Order N-19-19 required the state to redouble efforts to reduce GHG emissions, specifically highlighting the need to reduce increased fuel consumption in the transportation sector including by reducing vehicle miles travelled and accelerating progress toward zero-emission vehicles.

Proposed Scope of the 2020 IEPR Update

Transportation

The 2020 IEPR Update lead commissioner proposes that the CEC evaluate current transportation trends, challenges and opportunities for dramatically cutting emissions, achieving state goals for zero emission vehicles, and ensuring that the transportation sector contributes its fair share towards reaching a carbon neutral economy by 2045. The report and workshops will include a strong focus on equity and impacts to disadvantaged communities. The report will also assess near- and longer-term strategies for cutting emissions from passenger and commercial vehicles and setting a course for deep decarbonization. Topics that may be addressed in the 2020 IEPR update include:

- An evaluation of current transportation trends and challenges, including a shift towards larger passenger vehicles and increases in vehicle miles travelled.

- How the “three revolutions” of electrification, automation, and mobility as a service could impact transportation emissions, access, and livability.
- Discussion on the importance and opportunities of energy resilience in the context of zero-emission fuels and vehicles.
- Update on the status of the zero-emission vehicle market in California, the U.S., and globally.
- A roadmap for intelligently integrating electric vehicles into the grid.
- An evaluation of existing charging infrastructure and an exploration of the infrastructure needed to meet the state’s 2025 and 2030 zero-emission vehicle goals.
- Discussion of the role of near-zero emission fuels and vehicles, with a focus on commercial trucks and off-road equipment.
- An assessment of current clean transportation funding programs, including the CEC’s Clean Transportation Program.

Electricity and Natural Gas Demand Forecast

The *2020 IEPR Update* lead commissioner proposes that the CEC prepare an updated 10-year forecast of electricity consumption and peak electricity demand for California and for individual utility planning areas within the state. The CEC will update the 2019 California Energy Demand forecast to reflect (1) updated econometric and demographic data and another year of historical load data and (2) updated projections for photovoltaics and storage through benchmarking of new interconnection data.

Microgrids

CEC research has demonstrated the value of microgrids¹ in providing grid resiliency during short term outages, wildfires, public safety power shutoffs (PSPS) and other events during which grid services are disrupted. The *2020 IEPR Update* will include a review of the value of microgrids to enhance grid reliability and maintain critical services (such as power for emergency responders) and put forward policy recommendations on how microgrids can best be used to increase grid reliability in California.

2020 Integrated Energy Policy Report Update Proposed Schedule

Commissioner Monahan will direct the CEC staff to use the following general schedule:

Task/Event	Date(s)
Final Scoping Order released	February 2020
Public workshops on specific topics	March 2020 – December 2020
Release draft <i>2020 IEPR Update</i>	October 2020
Release final <i>2020 IEPR Update</i>	January 2021
Adopt <i>2020 IEPR Update</i>	February 2021

As workshop topics and dates are finalized, the CEC will post notices on its website and notify stakeholders at least 10 days in advance of each workshop date. The schedule will be posted and regularly updated at the [2020 IEPR Update](https://www.energy.ca.gov/2020iepr), <https://www.energy.ca.gov/2020iepr>.

Participation in the Integrated Energy Policy Report Proceeding

Any policy recommendations contained in the *2020 IEPR Update* will be based on the record developed during the proceeding, including data and technical analyses by the staff and stakeholders. As appropriate, the CEC will incorporate analyses and information developed in other

¹ Microgrids combine distributed energy resources with a controller to manage energy use. A key feature of microgrids is the ability to continue operating even if the surrounding electricity grid experiences an outage.

proceedings at the CEC and by other agencies. Participants should use the IEPR docket number **20-IEPR-01** and associated dockets when submitting information.

Public input is essential to ensure a complete and thorough record. Commissioner Monahan encourages all interested and affected participants to actively participate in this process. Commissioner Monahan will direct staff to work with relevant federal, state, local, and other agencies to identify and address energy infrastructure and related environmental challenges.

Written comments must be submitted to the Docket Unit by **5:00 p.m. on January 31, 2020**.

Written 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.

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-01>, which links to the comment page for this docket. Select or enter a proceeding to be taken to the “Add Comment” page. 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 or mail if you choose not to use the electronic filing system. Include the docket number **20-IEPR-01 2020 Scoping Order** in the subject line and send 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-01
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, please contact the Public Advisor, Noemí O. Gallardo, at Publicadvisor@energy.ca.gov, (916) 654-4489, or toll free at (800) 822-6228.

Please direct requests for reasonable accommodation to Yolanda Rushin at Yolanda.Rushin@energy.ca.gov or (916) 654-4310 at least five days in advance.

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 Heather Raitt, Assistant Executive Director for Policy Development, at (916) 654-4735 or by email at Heather.Raitt@energy.ca.gov.

Availability of Documents

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 *2020 Integrated Energy Policy Report* page, [2020 IEPR Update](https://www.energy.ca.gov/2020iepr), <https://www.energy.ca.gov/2020iepr>, or alternatively manage existing list serves or sign up for others at the [CEC List Servers](https://www.energy.ca.gov/listservers/index_cms.html), https://www.energy.ca.gov/listservers/index_cms.html.

Dated: January 17, 2020, at Sacramento, California

Original signed by:

Patty Monahan
Lead Commissioner
2020 IEPR Update

Mail List: energypolicy, diversity, dacag, barriers