

CALIFORNIA ENERGY COMMISSION

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California Energy Commission

DOCKETED

13-IEP-1A

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**STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION**

In the matter of:

Preparation of the
2013 Integrated Energy Policy Report

) Docket No. 13-IEP-1A
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2013 Integrated Energy Policy Report Scoping Order

The California Energy Commission's Integrated Energy Policy Report Lead Commissioner Andrew McAllister establishes the scope and general schedule for the *2013 Integrated Energy Policy Report (2013 IEPR)*. Text of the *2013 IEPR* Scoping Order follows.

Background

Public Resources Code Section 25302 requires the Energy Commission to prepare an integrated energy policy report every two years for submittal to the Governor that provides an overview of major energy issues and trends facing California. The report makes energy policy recommendations based on the Energy Commission's energy assessments and forecasts with the intent of conserving resources, protecting the environment, providing reliable energy, enhancing the state's economy, and protecting public health and safety.

Data submissions are essential to ensure a full and complete record in this proceeding. The Energy Commission's data responsibilities include assessing data needs and data collection options as well as evaluating the relevance of specific data to policy issues. The Legislature has found that timely reporting and collection of data "...are essential to serve the information and policy development needs of the Governor, the Legislature, public agencies, market participants, and the public" (Public Resources Code § 25300[d]). On February 8, 2012, the Energy Commission adopted an Order Instituting Information Proceeding to gather and assess information to assist in preparing the *2012 IEPR Update* and the *2013 IEPR*.

Scope of the 2013 Integrated Energy Policy Report

The 2013 IEPR proceeding will include the following general topics. During the proceeding, Energy Commission staff and Commissioners will conduct public workshops which will provide more detail regarding the scope of each topic.

- **Energy Efficiency**

- Progress of efforts to increase the efficiency of California's existing buildings (as required by Assembly Bill 758 [Skinner, Chapter 470, Statutes of 2009]) including assessing data needs and data collection options to inform related policy development and monitor ongoing market conditions.
- Progress of California's publicly owned utilities toward achieving 10-year energy efficiency targets (as required by Assembly Bill 2021 [Levine, Chapter 734, Statutes of 2006]).
- Definition of and pathway to net zero energy homes, as groundwork for their inclusion in the Title 24 Building Energy Efficiency Standards by 2020.
- Evaluation of geothermal heat pump/ground loop technology barriers and strategies (as required by Assembly Bill 2339 [Williams, Chapter 608, Statutes of 2012]).

- **Demand Response**

- Analysis of technical, economic, market, and policy barriers to the use of demand response to support reliability and the integration of renewable resources.

- **Renewables**

- Analysis of impediments that limit procurement of biomethane in California and potential solutions (as required by Assembly Bill 1900 [Gatto, Chapter 602, Statutes of 2012]).
- Status report on bioenergy development (as required by Executive Order S-06-06).

- **Electricity**

- Forecasts of statewide and regional electricity demand that include: (1) expanded and refined analysis of the potential effects of climate change on consumption and peak demand; (2) additional demand forecast results by climate zone to supplement the usual planning area level forecasts, and determination of the most meaningful achievable level of granularity the forecast should aim for going forward; (3) more comprehensive reflection of uncertainties related to California's policies for zero-emission vehicles, combined heat and power, and distributed generation; and (4) a goal of improving alignment of key milestones of the forecasting process, including projections of energy efficiency savings, with the planning and policy deliberations of the Energy Commission, the California Public Utilities Commission, and the California Independent System Operator. Once the demand and additional achievable efficiency forecasts are adopted, the three agencies will agree on a single recommended forecast to be used consistently in the next transmission planning and procurement cycles.
- Continuation of the analysis begun in the 2011 and 2012 IEPRs of California's need for new electricity infrastructure, including consideration of climate change impacts , energy contingency planning, and the reliability implications of outages at

California's nuclear plants or their failure to be relicensed. This analysis will coordinate with analyses by the California Independent System Operator and the California Public Utilities Commission related to reliability assessment.

- Initiation of an evaluation of electricity system needs in 2030 to provide a foundation for potential interim 2030 RPS targets as California moves toward its 2050 greenhouse gas emission reduction goals. The evaluation will include the impact of achievable energy efficiency and electric vehicle penetration and recharging profiles on the amount of renewable energy needed to meet RPS targets and the generation and storage capacity needed to reliably operate the system.
- Updated estimates of new generation costs for utility-scale renewable and fossil-fueled generation in California covering technologies likely to be built in the next decade.
- Strategic Transmission Investment Plan (as required by Senate Bill 1565 (Bowen, Chapter 692, Statutes of 2004).
- **Nuclear Power Plants**
 - Report on utility progress in implementing recommendations made in the *2011 IEPR* regarding nuclear plant seismic safety, spent fuel storage, station blackouts, and liability coverage.
- **Natural Gas**
 - Forecasts of statewide and regional natural gas demand and the factors leading to projected demand growth. These forecasts will include the refinements and improvements outlined above for the electricity demand forecast.
 - Assessments of natural gas price and market trends and outlook, including the ability of existing natural gas infrastructure, rules, and protocols to deliver natural gas to power plants that back up renewable energy technologies.
- **Transportation**
 - Forecasts of statewide transportation fuel demand, fuel prices, and factors influencing changes in demand (such as updated forecasts of economic conditions); assessments of alternative fuel scenarios conducted in conjunction with the California Air Resources Board; and discussion of barriers to and progress toward meeting California's transportation energy goals. The results of these forecasts and analyses are expected to be released as a subsidiary document that will be summarized in the *2013 IEPR*.
 - Evaluation of research, development, demonstration, and deployment activities funded under the Alternative and Renewable Fuel and Vehicle Technology Program (as required by Assembly Bill 109 [Núñez, Chapter 313, Statutes of 2008]).
- **Climate Change**
 - Consideration of the potential vulnerability of California's energy supply and demand infrastructure to the effects of climate change, including higher temperatures, reduced snowpack, sea level rise, and extreme events like heat waves, flooding, and wildfires.

2013 Integrated Energy Policy Report Schedule

The general schedule for the 2013 IEPR proceeding is shown below. When workshop and hearing topics and dates are finalized, the Energy Commission will post notices on its website and notify stakeholders at least 10 days in advance of each workshop or hearing date. The schedule will be updated regularly and posted at www.energy.ca.gov/2013_energypolicy/workshop_schedule.pdf.

Task/Event	Date(s)
Final Scoping Order released	March 2013
Public workshops on specific topics	January 2013 – August 2013
Release draft 2013 IEPR	Mid August 2013
IEPR hearing on draft 2013 IEPR	Late August 2013
Release final 2013 IEPR	October 2013
Adopt final 2013 IEPR	November 2013

Participation in the Integrated Energy Policy Report Proceeding

Policy recommendations in the 2013 IEPR will be based on the record developed during the proceeding, including data and technical analyses by the staff and stakeholders. Analysis and information developed in other proceedings at the Energy Commission and by other agencies will be incorporated as appropriate. Participants should use the IEPR docket number 13-IEP-1 and associated subdockets when submitting information for the Lead Commissioner's consideration.

13-IEP-1A	-	General/Scope
13-IEP-1B	-	Electricity Resource Plans
13-IEP-1C	-	Electricity and Natural Gas Demand Forecast
13-IEP-1D	-	Electricity Infrastructure Assessment / Electric Reliability
13-IEP-1E	-	Strategic Transmission Investment Planning
13-IEP-1F	-	Energy Efficiency/Demand Response
13-IEP-1G	-	Renewable Energy
13-IEP-1H	-	Distributed Generation & Combined Heat and Power
13-IEP-1J	-	Nuclear
13-IEP-1K	-	Natural Gas Market Assessment
13-IEP-1L	-	Transportation Fuel Demand Forecast and Infrastructure
13-IEP-1M	-	Bioenergy Development
13-IEP-1N	-	Research and Development
13-IEP-1O	-	Energy and Climate Change / GHG Emission Reduction
13-IEP-1P	-	Geothermal Heat Pump

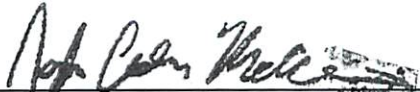
Public input is essential to ensuring a complete and thorough record on which to base California's energy policy recommendations. Commissioner McAllister therefore encourages the active participation of all interested and affected participants. Also, close coordination with federal, state, local, and other agencies remains critical and Energy Commission staff will work with these agencies to facilitate their participation in this proceeding.

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this proceeding, please contact the Public Adviser's Office at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at PublicAdviser@energy.ca.gov.

The service list for the 2013 IEPR and associated key topic proceedings is handled electronically. Notices and documents for these proceedings are posted to the Energy Commission website at www.energy.ca.gov/2013_energy_policy/. When new information is posted, an e-mail will be sent to those on the energy policy e-mail list server. Parties interested in receiving these notices should sign up for the list server through the Energy Commission's website at www.energy.ca.gov/listservers/index.html.

Technical questions should be directed to Suzanne Korosec, Assistant Executive Director for Policy Development, at (916) 654-4516 or by e-mail at Suzanne.Korosec@energy.ca.gov. News media inquiries should be directed to the Media and Publications Office at (916) 654-4989 or by e-mail at mediaoffice@energy.ca.gov.

Date: March 7, 2013



ANDREW McALLISTER, Ph.D.
Lead Commissioner
2013 Integrated Energy Policy Report

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