

CALIFORNIA ENERGY COMMISSION

715 P Street
Sacramento, California 95814

energy.ca.gov



**Request for Information
Power Source Disclosure
March 22, 2023
Docket # 21-OIR-01
Due Date: April 14, 2023**

Purpose of Request

The California Energy Commission (CEC) is seeking to assess the feasibility of California electricity retail suppliers annually reporting their hourly sources of electricity and the associated greenhouse gas (GHG) emissions for the previous calendar year. Senate Bill (SB) 1158 (Becker, Chapter 367, Statutes of 2022) was adopted in part to assess whether load-serving entities and local publicly owned electric utilities are demonstrating adequate progress toward achieving GHG emissions reduction targets in their procurement plans. To that end, the legislation requires the CEC to adopt and implement rules by July 1, 2024, for retail suppliers to report specific information to the CEC on an annual basis about their hourly sources of electricity and the associated GHG emissions, to the extent feasible.

Background

This Request for Information pertains to Section 398.6 of the Public Utilities Code, added to statute by SB 1158. The new requirements under SB 1158 supplement the Power Source Disclosure program's existing requirements enabled under sections 398.1-398.5 of the Public Utilities Code.

SB 1158 Requirements for Retail Suppliers

Starting January 1, 2028, pursuant to Section 398.6(b) of the Public Utilities Code, retail suppliers must annually report to the CEC:

- the sources of electricity used to serve loss-adjusted load for each hour of the previous calendar year.
- GHG emissions associated with each of those sources of electricity, to the extent feasible, and excluding any avoided GHG emissions.
- an annual GHG emissions total and annual average GHG intensity, calculated as a retail supplier's annual total GHG emissions divided by its annual total loss-adjusted load.
- an annual total of avoided GHG emissions.

SB 1158 Requirements for CEC

The CEC must adopt rules on this section's requirements by July 1, 2024. Starting January 1, 2028, the CEC must annually publish on its website an aggregated summary of the reported data, which may include:

- the percentage of a retail supplier's annual loss-adjusted load from specified sources for each energy source type.
- the percentage of a retail supplier's annual loss-adjusted load derived from unspecified sources.
- the total GHG emissions associated with a retail supplier's annual loss-adjusted load, excluding any avoided GHG emissions.
- the average GHG emissions intensity of a retail supplier's loss-adjusted load.
- an annual total of avoided GHG emissions.

To the extent needed, the CEC must also share the data collected with the California Public Utilities Commission (CPUC), the California Air Resources Board (CARB), and the Independent System Operator. The CPUC may use the data to evaluate retail suppliers' integrated resource plans. SB 1158 also stipulates that CARB may use the data as part of its regulations for the mandatory reporting of the emissions of greenhouse gases. Finally, the data may be used to estimate hourly GHG emissions for unspecified power sources, to the extent feasible.

In developing the rules and procedures required by SB 1158, the CEC will seek to minimize the reporting burden and the cost of reporting that it imposes on retail suppliers.

Additionally, the CEC may delay when retail suppliers shall begin reporting certain data pursuant to SB 1158 if the CEC determines that it is infeasible or unreasonably costly for retail suppliers to obtain the necessary data or develop the necessary reporting tools within the statutory timeframe.

SB 1158 Requirements for Electricity Sellers from Generation or Storage Facilities

Electricity sellers from generation facilities must provide each purchaser with its hourly share of electricity scheduled into a California balancing authority and the GHG emissions associated with that electricity.

Electricity sellers from energy storage facilities must provide each purchaser with its hourly share of exported electricity and the hourly electricity consumed by the storage facility in prior hours to provide for the exported energy after taking into account round-trip losses within the storage facility. Electricity sellers must also provide the purchaser with the electricity source type and GHG emissions associated with the storage facility's consumed electricity in prior hours if the purchaser did not provide the consumed electricity.

SB 1158 Requirements for Entities Allocating Specified Resources

Entities allocating electricity from specified sources must timely provide retail suppliers with their hourly share of allocated electricity from each specified source and the GHG emissions associated with that electricity.

SB 1158 Requirements for Recipients of Hourly Data

Recipients of hourly data must maintain the confidentiality of the data received and use it solely for meeting this section's requirements. Recipients must share the data with subsequent purchasers of the electricity from specified sources under the same confidentiality requirements.

Request for Information

Questions for Electricity Sellers from Generation or Storage Facilities

- 1) Discuss the feasibility and financial impact of providing each purchaser from your generation facility with the purchaser's hourly share of electricity that is scheduled into a California balancing authority.
- 2) Discuss the feasibility and financial impact of providing each purchaser with its hourly share of exported electricity from your energy storage facility and the hourly electricity consumed by your facility in prior hours necessary to export that electricity after taking into account round-trip storage losses.

Questions for Retail Electricity Suppliers

- 1) Discuss the feasibility and financial impact of obtaining hourly delivery data for each specified procurement for each hour of the year, organizing that hourly data into an Excel template provided by the CEC, and reporting that data to the CEC annually.
- 2) Discuss the feasibility and financial impact of obtaining and reporting hourly settlement data from your retailer's balancing authority.

General Questions

- 1) Under an hourly load matching framework, what should be the load order for determining which resources are matched to load first? In other words, which resource types should be deemed to be overprocured/overdelivered during hours in which a retailer's specified procurements exceed its hourly loss-adjusted load?
- 2) How will hourly load matching affect grid reliability in the state, particularly during emergency events?
- 3) How should in-state and out-of-state line losses be calculated for determining loss-adjusted load?

How to Provide Information

Respondents to this RFI should not include any proprietary or confidential information. Comments may be submitted through 5:00 p.m. on April 14, 2023, using the [e-commenting feature](#) at docket 21-OIR-01, at <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=21-OIR-01>.

To use the e-commenting system, respondents will be asked for a full name, email address, comment title, and either a comment or an attached document (.doc, .docx, or .pdf format). After a challenge-response test is used by the system to ensure that responses are generated by a human user and not a computer, click on the "Agree & Submit Your Comment" button to submit the information to the CEC's Docket Unit.

Written comments, attachments, and associated contact information included within the documents and attachments will become part of the viewable public record and searchable on the internet.

Interested stakeholders are encouraged to use the electronic filing system described above to submit information. If you are unable to submit electronically, a paper copy of your information may be sent to:

California Energy Commission
Docket Unit, MS-4
Re: Docket No. 21-OIR-01
715 P Street
Sacramento, CA 95814-5512

Alternatively, you may email responses to doCKET@energy.ca.gov with the subject line "21-OIR-01: RFI Power Source Disclosure".

For information, please contact Logan Clendening at logan.clendening@energy.ca.gov, or call (916) 805-7439. The RFI is embedded in its entirety in this notice, and available for free on the CEC website at [Docket No. 21-OIR-01](#), at <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=21-OIR-01>.

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