

DOCKETED	
Docket Number:	24-AAER-01
Project Title:	2024 Efficiency Regulations for Televisions and Displays
TN #:	262997
Document Title:	Request for Information - Revised Data Collection Requirements for Televisions and Displays
Description:	This document is a request by the CEC to affected and interested parties regarding potential revisions to data collection and reporting requirements for televisions and similar displays. The CEC is specifically considering changes to the 2024 regulations adopted for televisions that would reduce the data reporting required for televisions, which would impact CEC's ability to use reported data to consider minimum efficiency standards and related performance criteria for televisions. The CEC's goal in requesting information is to provide an opportunity for stakeholders and interested members of the public to contribute information to ensure best available data is reviewed and considered by CEC.
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CALIFORNIA ENERGY COMMISSION

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CEC-057 (Revised 1/21)



Request for Information (RFI): 2024 Efficiency Regulations for Televisions and Displays – Revised Data Collection Requirements

Docket # 24-AAER-01

Responses Due (June 27, 2025)

Purpose of Request

On April 10, 2024, CEC adopted updates to data reporting requirements for televisions that require reporting of the complete set of data generated by the ANSI/CTA 2037-D uniform method of test. On February 26, 2025, roughly ten months after adoption of the update, the Consumer Technology Association (CTA) submitted a petition to the CEC to engage in additional rulemaking to reduce the data reporting requirements. CEC is presenting the requested changes to the public and seeking input on the public value of reported data for televisions for consideration by the CEC.

The CEC is specifically considering changes to the 2024 regulations adopted for televisions that would reduce the data reporting required for televisions, which would impact CEC's ability to use reported data to consider minimum efficiency standards and related performance criteria for televisions. The CEC's goal in requesting information is to provide an opportunity for stakeholders and interested members of the public to contribute information to ensure best available data is reviewed and considered by CEC.

Background

On April 10, 2024, CEC adopted updates to data reporting requirements for televisions that align with a newer federal test procedure, ANSI/CTA-2037-D. This update requires reporting of the complete set of data generated by the test. On February 26, 2025, the Consumer Technology Association (CTA) submitted a petition to the CEC to engage in additional rulemaking to reduce the data reporting requirements. While the petition was denied on technical grounds, CEC is presenting changes to the public consistent with the intent of the petition¹.

¹ The petition and resulting CEC order are available at

<https://www.energy.ca.gov/filebrowser/download/7380?fid=7380#block-symsoft-page-title>.

The CTA petition requests that data reporting requirements for televisions be reduced to the data needed for use in federal Energy Guide labeling. Doing so would remove a set of true-false fields recording whether the unit possesses specific features, such as internet connectivity and high dynamic range color reproduction, and would remove a set of numeric fields recording data on the specific brightness and power draw of the television when measured in a full suite of test conditions.

Part of CEC's goals for collection of television data is to give appropriate consideration to potential minimum energy efficiency standards, consistent with prior regulation of televisions and with ensuring appliances sold in California are designed to avoid the wasteful, uneconomic, inefficient, or unnecessary consumption of energy. Detailed and accurate television data ensures that staff are able to correctly gauge whether and to what extent efficiency standards would be feasible, cost effective, and successful with respect to televisions.

Request for Responses

The CEC is requesting that stakeholders and interested members of the public provide written information and feedback on the data reporting requirements for televisions for CEC consideration.

The proposed amendments to regulation would occur in California Code of Regulations, title 20, Section 1606, Table X. The rows of Table X list the data elements required to be certified to the CEC for all appliances subject to state efficiency regulations. An excerpt of this table showing the rows applicable to federally regulated televisions is attached as an Appendix to this RFI.

Staff has divided the rows into three groups: Basic Information, which includes information reported to the U.S. Department of Energy; Feature Information, which states whether a particular feature such as internet connectivity is present for that television model; and Test Condition Data, which includes the specific test settings and recordings made during performance of the uniform method of test. The amendments proposed by CTA in their petition seek the removal of all Feature Information and Test Condition Data rows, as noted in Appendix A.

The CEC is seeking feedback on the television data manufacturers are required to report, and specifically the rows noted in Appendix A relating to feature information and test condition data. In particular, the CEC would like to know the following:

1. Is the public interest served by repeal of any or all data collection fields relating to television features? If so, why? If not, why not?
2. Is the public interest served by repeal of any or all data collection fields relating to television performance in specific test conditions? If so, why? If not, why not?
3. Does the collection of data relating to television features or performance in specific test conditions result in collection of trade secrets? If so, which fields cause this to occur, and how do these fields cause this to occur? If not, why not?

4. Are any data fields particularly useful and/or appropriate to use for updating minimum efficiency standards for this product class? If so, why? If not, why not?

CEC staff previously found that “data from the new and amended fields [...] provide useful information regarding the product performance”, based on comments received from California’s Investor-Owned Utilities during the 2024 rulemaking. Absent public input, the CEC may analyze the best available data and information to determine whether to amend the reporting requirements consistent with CTA’s petition and their concerns regarding manufacturer trade secrets. Staff are therefore requesting input from interested and affected parties regarding the value and impact of pursuing changes to television data collection both in general and in relation to specific data elements.

Submitting Responses to the CEC Docket

Providing responses to this RFI is highly encouraged to inform CEC’s policy decisions and planning processes. Public input is essential to ensure a comprehensive record that includes the best available data and information.

Written responses, comments, proposals, and other technical material must be submitted to the docket linked below by **June 27, 2025**. Written comments, attachments, and associated contact information (for example, address, telephone number, email address) included in the response will become part of the public record, with access available via any internet search engine.

The CEC encourages use of its electronic commenting system. Visit the e-commenting page, <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=24-AAER-01>, 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 in a format consistent with CCR, Title 20, section 1208.1. The maximum file size is 10 MB.

Written materials may also be submitted by email. Include the docket number **24-AAER-01** and “2024 Efficiency Regulations for Televisions and Displays” in the subject line and sent to docket@energy.ca.gov.

If preferred, a paper copy may be submitted to:

California Energy Commission
Docket Unit
Re: Docket **24-AAER-01**
715 P Street
Sacramento, CA 95814

If interested parties wish to maintain the confidentiality of specific data or information, they should submit an application for confidentiality and the confidential documents directly to the Docket Unit through the e-filing system. For information on applying for confidentiality, interested parties should contact the Docket Unit in the CEC’s Chief

Counsel's Office before submitting a response to this RFI. Otherwise, all responses received will become publicly available. Visit the Docket Unit page, <https://www.energy.ca.gov/about/divisions-and-offices/chief-counsels-office/docket-unit>, which links the application for confidentiality.

Questions regarding submitting comments to the docket, including inquiries regarding confidentiality, should be referred to the Docket Unit at docket@energy.ca.gov or (916) 654-5076.

CEC Contacts

Public Advisor. The CEC's Public Advisor assists the public with participating in CEC proceedings. To request interpreting services, reasonable modification or accommodations, and other modifications, contact the Public Advisor at publicadvisor@energy.ca.gov or by phone at (916) 957-7910. Requests should be made as soon as possible but at least five days in advance.

Technical Inquiries. Direct questions on the subject matter of this RFI to appliances@energy.ca.gov or call (916) 651-7100.

Media. Email mediaoffice@energy.ca.gov or call (916) 654-4989.

Availability of Documents

All records will be accessible in the [2024 Efficiency Regulations for Televisions and Displays](https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=24-AAER-01) docket, <https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=24-AAER-01>. When new information is posted, an email will be sent to those on the Appliance Efficiency Standards listserv. To subscribe to that listserv visit the [California Natural Resources Agency](https://public.govdelivery.com/accounts/CNRA/signup/31719) at: <https://public.govdelivery.com/accounts/CNRA/signup/31719>.

APPENDIX A

Excerpt of California Code of Regulations, title 20, Section 1606, Table X:

Appliance Type: Televisions (manufactured on or after September 11, 2023, and within the scope of 10 C.F.R. section 430)	Required Information	Possible Answers
[Basic Information]	Display Technology Type	OLED, Laser, LCoS, LCD (fluorescent backlight), LED (TN), LED (IPS/PLS), LED (VA), QLED, Mini-LED, Micro-LED, DLP, Plasma, CRT, Other
[Basic Information]	Viewable Screen Area (total square inches)	
[Basic Information]	Screen Size (diagonal inches)	
[Basic Information]	Screen Resolution (horizontal pixel count)	
[Basic Information]	Screen Resolution (vertical pixel count)	
[Feature Information]	High Dynamic Range 10 (HDR10) Capable	True, False

[Feature Information]	Automatic Brightness Control (ABC) Capable	True, False
[Feature Information]	Quick Start Capable	True, False
[Test Condition Data]	Quick Start Enabled by Default	True, False
[Feature Information]	Internet Connection Capable	True, False
[Feature Information]	Smart Wake Capable	True, False
[Test Condition Data]	Default SDR PPS: ABC Enabled by Default	True, False
[Test Condition Data]	Default SDR PPS: If ABC Enabled by Default, On Mode Power (watts) at the Default Backlight Level with ABC off	
[Test Condition Data]	Default SDR PPS: If ABC Enabled by Default, Dynamic Luminance (cd/m2) at the Default Backlight Level with ABC Off	
[Test Condition Data]	Default SDR PPS: If ABC Enabled by Default, On Mode Power (watts) at Approximately 4, 17, 50, and 140 lux Ambient Light with ABC On	
[Test Condition Data]	Default SDR PPS: If ABC Enabled by Default, Dynamic Luminance (cd/m2) at Approximately 4, 17, 50, and 140 lux Ambient Light with ABC On	
[Test Condition Data]	Default SDR PPS: If ABC Not Enabled by Default, On Mode Power (watts) at Default Backlight Level, Minimum Backlight Level, and Approximately Halfway Between Minimum and Default Level with ABC Off	
[Test Condition Data]	Default SDR PPS: If ABC Not Enabled by Default, Dynamic Luminance (cd/m2) at Default Backlight Level, Minimum Backlight Level, and Approximately Halfway Between Minimum and Default Level with ABC Off	
[Test Condition Data]	Brightest SDR PPS: ABC Enabled by Default	True, False
[Test Condition Data]	Brightest SDR PPS: If ABC Enabled by Default, On Mode Power (watts) at the Default Backlight Level with ABC Off	

[Test Condition Data]	Brightest SDR PPS: If ABC Enabled by Default, Dynamic Luminance (cd/m2) at the Default Backlight Level with ABC Off	
[Test Condition Data]	Brightest SDR PPS: If ABC Enabled by Default, On Mode Power (watts) at Approximately 4, 17, 50, and 140 lux Ambient Light with ABC On	
[Test Condition Data]	Brightest SDR PPS: If ABC Enabled by Default, Dynamic Luminance (cd/m2) at Approximately 4, 17, 50, and 140 lux Ambient Light with ABC On	
[Test Condition Data]	Brightest SDR PPS: If ABC Not Enabled by Default, On Mode Power (watts) at Default Backlight Level, Minimum Backlight Level, and Approximately Halfway Between Minimum and Default Level with ABC Off	
[Test Condition Data]	Brightest SDR PPS: If ABC Not Enabled by Default, Dynamic Luminance (cd/m2) at Default Backlight Level, Minimum Backlight Level, and Approximately Halfway Between Minimum and Default Level with ABC Off	
[Test Condition Data]	Default HDR PPS: ABC Enabled by Default	True, False
[Test Condition Data]	Default HDR PPS: If ABC Enabled by Default, On Mode Power (watts) at the Default Backlight Level with ABC Off	
[Test Condition Data]	Default HDR PPS: If ABC Enabled by Default, Dynamic Luminance (cd/m2) at the Default Backlight Level with ABC Off	
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[Test Condition Data]	Default HDR PPS: If ABC Not Enabled by Default, On Mode Power (watts) at Default Backlight Level, Minimum Backlight Level, and Approximately Halfway Between Minimum and Default Level with ABC Off	

[Test Condition Data]	Default HDR PPS: If ABC Not Enabled by Default, Dynamic Luminance (cd/m ²) at Default Backlight Level, Minimum Backlight Level, and Approximately Halfway Between Minimum and Default Level with ABC Off	
[Test Condition Data]	Type of Standby Mode Tested	Standby with Smart Wake Enabled, Standby with Internet Connection, Standby without Internet Connection
[Basic Information]	Power Consumption in Standby Mode (watts)	
[Basic Information]	Average On Mode Power (watts)	
[Basic Information]	Annual Energy Consumption (AEC) (kWh)	