

DOCKETED

Docket Number:	23-FDAS-01
Project Title:	Pool Controls Rulemaking
TN #:	249614
Document Title:	Presentation - Flexible Demand Appliance Standards Public Hearing - Pool Controls
Description:	Public Hearing - April 11, 2023 - Pool Controls
Filer:	Nicholaus Struven
Organization:	California Energy Commission
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Docketed Date:	4/11/2023



California Energy Commission

Flexible Demand Appliance Standards Public Hearing – Pool Controls

April 11, 2023



Agenda

Time	Topic	Presenter
10:00 AM	Welcome and Orientation	Bruce Helft
10:05 AM	Introductory Remarks	Commissioner Andrew McAllister
10:15 AM	Overview of Rulemaking Process and Next Steps	Nicholaus Struven, Program Lead
10:20 AM	Overview of Proposed Regulations	Nicholaus Struven, Program Lead
10:30 AM	Public Comments	Carlos Baez
	Close of Public Hearing	Carlos Baez



Public Hearing

The public hearing for Pool Controls is being held remotely

The public hearing will be recorded by a court reporter and Zoom

Statements made today will become part of the public record

No decisions will be made at this public hearing

Information and documentation for this rulemaking can be found in **Docket 23-FDAS-01**

Zoom: Technical support is available at <https://support.zoom.us/>

Use the Zoom chatbot feature, located in the lower right corner of the screen or call (888) 799-9666, ext. 2

You can contact the Public Advisor's Office via email publicadvisor@energy.ca.gov, or by phone at (916) 654-4489, or call toll free at (800) 822-6228



Guidelines for Commenting

- Comments will be taken at the end of the presentation
- Comments may be **limited to 3 minutes** per person and **1 person per organization**, depending upon the number of persons wishing to speak
- Please provide your **name and affiliation** when speaking
- **All lines are muted**, to comment – "**raise hand**" to speak
 - **Online: Raise your hand**, host will give you the ability to speak, then participant must push unmute
 - **Cell phone: Raise your hand by pushing *9**, host will give you the ability to speak, then caller must **push *6 to mute and unmute**
- For clarifying rulemaking process questions, **type your question in the Q&A section**



Opening Introductory Comments

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Introductory Remarks

**Commissioner Andrew
McAllister, Ph.D.**

Lead Commissioner on Efficiency





Overview of Rulemaking Process and Next Steps

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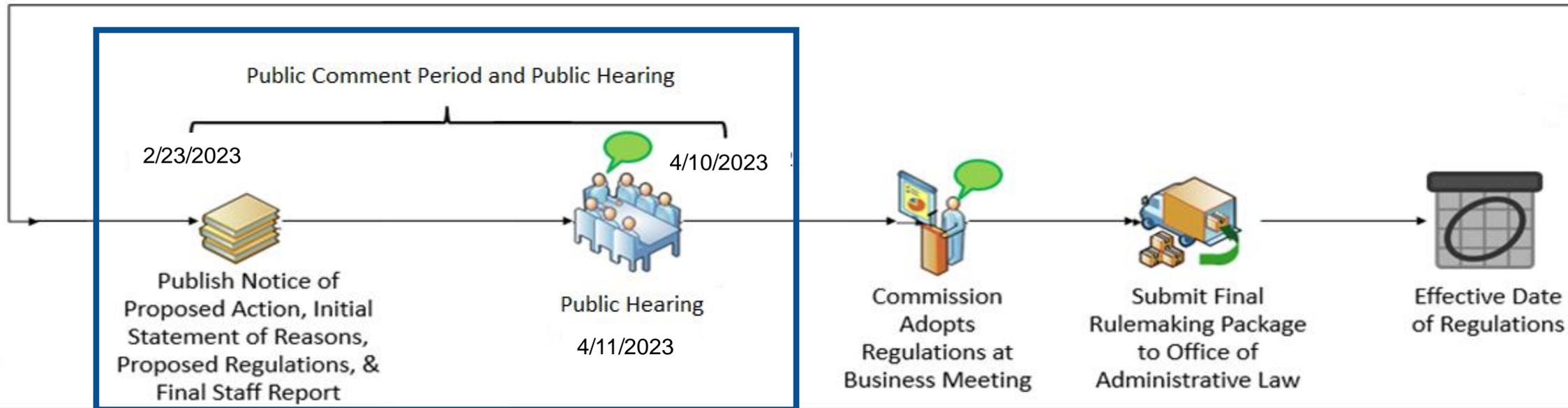
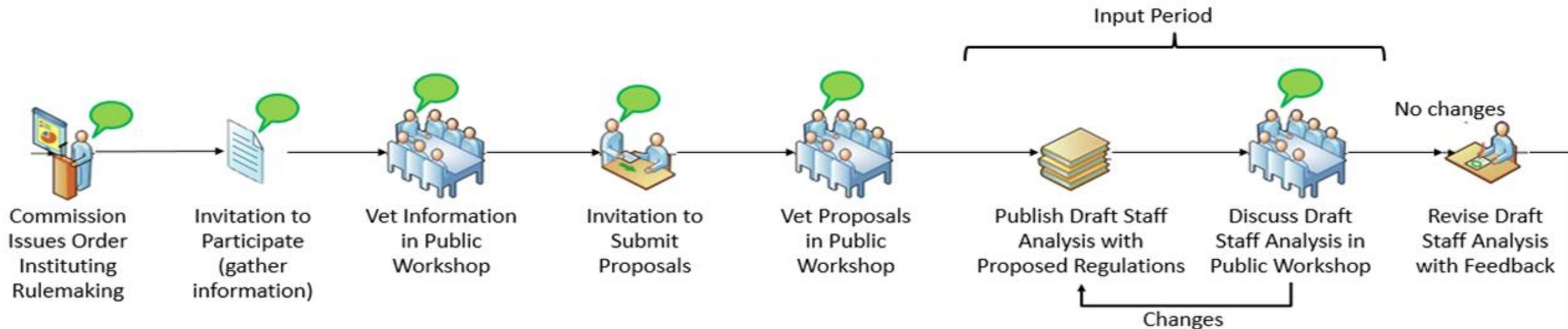




Overview of Rulemaking Process and Next Steps



Regulatory Process





Next Steps

- Evaluate all comments received
- Stakeholders are encouraged to join ["Flexible Demand Appliances and Load Management and Demand Response"](#) list server

Activity	Date
Start Formal Rulemaking	Feb 23, 2023
Public Comment Period	Feb 23 – Apr 10, 2023
Public Hearing	Apr 11, 2023
Consideration of 15-day changes	Apr 2023
Anticipated CEC Adoption of Regulations	3 rd Quarter 2023



Overview of Proposed Regulations

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Overview of Proposed Regulations



Proposed Regulation

Sections Added to Title 20, California Code of Regulations

- **1690. Scope**
- **1691. Definitions**
- **1692. General Requirements**
- **1693. Appliance Specific Standards and Requirements**
- **1694. Customer Consent**
- **1695. Certification Requirements**
- **1696. Data Submittal Requirements**
- **1697. Compliance, Enforcement, and Administrative Civil Penalties**



Scope and Definitions

- **Scope:**
 - Regulates all Pool Controls as defined in proposed regulation
- **Definitions:**
 - Pool Controls
 - Dedicated-purpose pool pump
 - Electric pool heater
 - Pool equipment
 - Pool filter pump



Definition: Pool Control

Section 1691. General Definitions

“Pool control” and **“pool controls”** mean any component or group of components including software that:

- (1) Has the capability to start or stop the operation of a pool filter pump and other pool equipment, and
- (2) Uses single-phase AC power as input power.

“Pool control” and **“pool controls”** exclude controls marketed exclusively for use as a control for pool filter pumps with a rated hydraulic horsepower (hhp) greater than 2.5 hhp.



Definition: Consent

Section 1691. General Definitions

“Consent” means a customer’s permission or agreement to use the capabilities of an appliance subject to this Article to schedule, shift, or curtail its use through direct action by the customer or by a third party, load-serving entity, or a grid-balancing authority. Consent may be express or implied.



Definition: Connected Device

Section 1691. General Definitions

“Connected device” means any device that is capable of receiving TCP/IP signals from the internet, with or without the connections through common home network equipment or radio broadcasting, by means of integrated or separate communications module.



Definition: TCP/IP Signal

Section 1691. General Definitions

"**TCP/IP signal**" means a type of data format used to carry data through the network.



Test Requirements

Section 1692. General Requirements

Section 1693. Appliance Specific Standards and Requirements

(4) Testing. There are **no testing requirements** for pool controls.



Marking

Section 1692. General Requirements, subsection (b)

- The following information shall be permanently, legibly, and conspicuously displayed on an accessible place on each unit of every appliance within the scope of this Article.
 - (1) manufacturer's name or brand name or trademark;
 - (2) model number; and
 - (3) date of manufacture, indicating (i) year and (ii) month or smaller (e.g., week) increment.
- If the date is in a code, the manufacturer shall immediately, on request, provide the code to the Energy Commission.



Cybersecurity

Section 1692. General Requirements, subsection (c)

- Device Identification
- Device Configuration
- Data Protection
- Passwords
- Software Update
- Restart Settings
- Automatic Rejoin
- Override Function



Certification and Data Submittal

Section 1695. Certification Requirements

- Product identifiers: manufacturer name, brand name, model number
- Product features: true/false entries for required flexibility features

Section 1696. Data Submittal Requirements

- Table A-1: Data Submittal Requirements for All Appliances
- Table A-2: Data Submittal Requirements for All Connected Devices
- Table B-1: Data Submittal Requirements for Pool Controls



Public Comments on Pool Controls

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Written Comments

- To submit electronically:

- <https://www.energy.ca.gov/proceedings/energy-commission-proceedings/flexible-demand-appliances/pool-controls>
- Click on “Submit Comment”

- To send a hard copy:

California Energy Commission
Docket Unit
Re: Docket No. 23-FDAS-01
715 P Street
Sacramento, CA 95814

- Send **digital copy** to: **docket@energy.ca.gov**, include **#23-FDAS-01**



Contact information

Nicholaus Struven

nicholaus.struven@energy.ca.gov

Corrine Fishman

Regulations Manager

corrine.fishman@energy.ca.gov



Thank You!

