



TITLE 24, PART 6

2028 CODE CYCLE

Welcome to the Statewide CASE Team's Utility Sponsored Stakeholder Meeting



Cosimina Panetti and Nikki Westfall

Energy Solutions

September 24, 2025

Agenda 9/24

| | |
|--|-------|
| Introduction | 11:00 |
| Lighting Power Density | 11:15 |
| Luminaire Classification and Power Exception for Alterations & Retrofits (30 min.) | 12:00 |
| Lunch Break (30 min.) | 12:30 |
| Lighting Controls | 1:00 |
| Controlled Environment Horticulture: Lighting Efficacy | 1:45 |
| Controlled Environment Horticulture: Daylight Responsive Controls for Greenhouses | 2:30 |
| Controlled Environment Horticulture: HVAC/D | 3:15 |
| Adjourn | 4:00 |

Objectives

- Build involvement in the California Energy Code update process
- Introduce the Statewide CASE Team's measure ideas & offer opportunity for participation and clarifying questions
- Connect early in the cycle

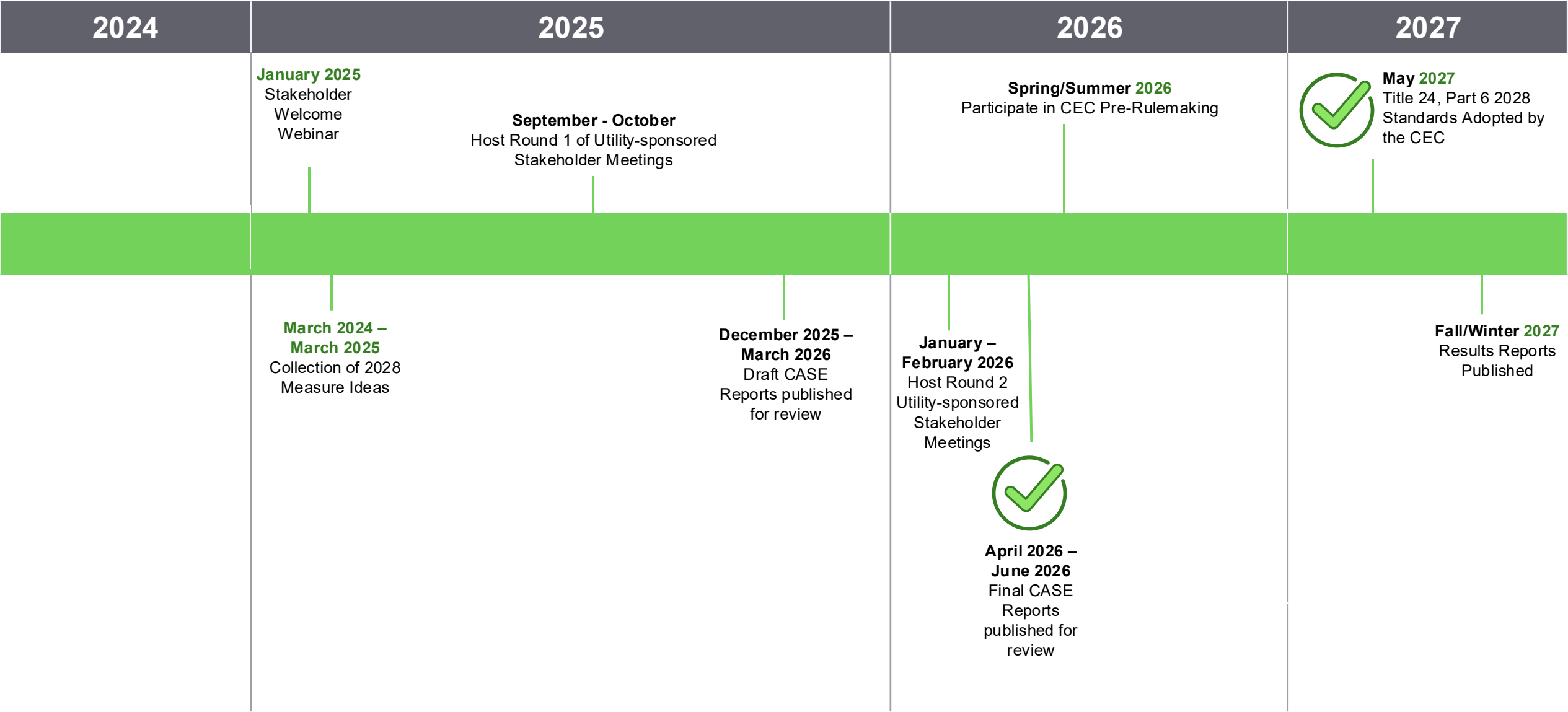


Public involvement is an important part of California Energy Commission proceedings. The Commission promotes an open process that enables those who are interested to have an opportunity to stay informed, have a voice, and influence the outcome of proceedings.”

—CEC

Statewide CASE Team Milestones

<https://title24stakeholders.com/2028-cycle-timeline-and-key-milestones/>



Questions

- We want to hear from you! If questions can't be answered today, CASE Authors will follow up with stakeholders separately **within 5 business days**
- Please limit to quick, clarifying questions; 2 minute maximum for verbal questions; more in-depth discussions can occur in follow-up communication
- 4 ways to submit a question:
 - Add to 'Question' box during today's presentation
 - Raise your hand at the end of the presentation – we will unmute you
 - Respond to the polls during today's presentations
 - Email info@title24stakeholders.com

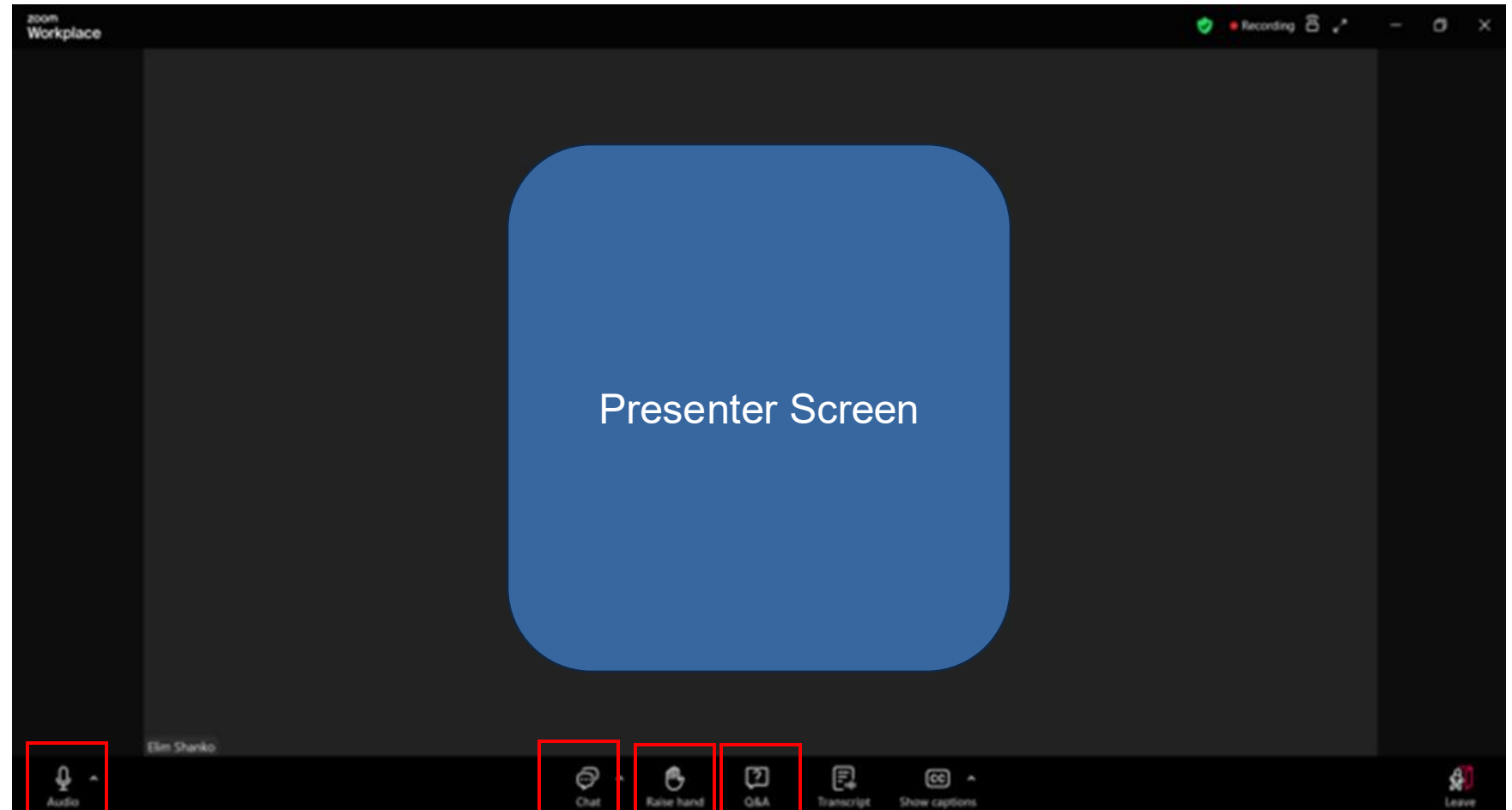
Zoom Dashboard and Features

The chat feature will be disabled for this webinar. Please use Q&A.

To ask a question live, attendees can raise a hand here

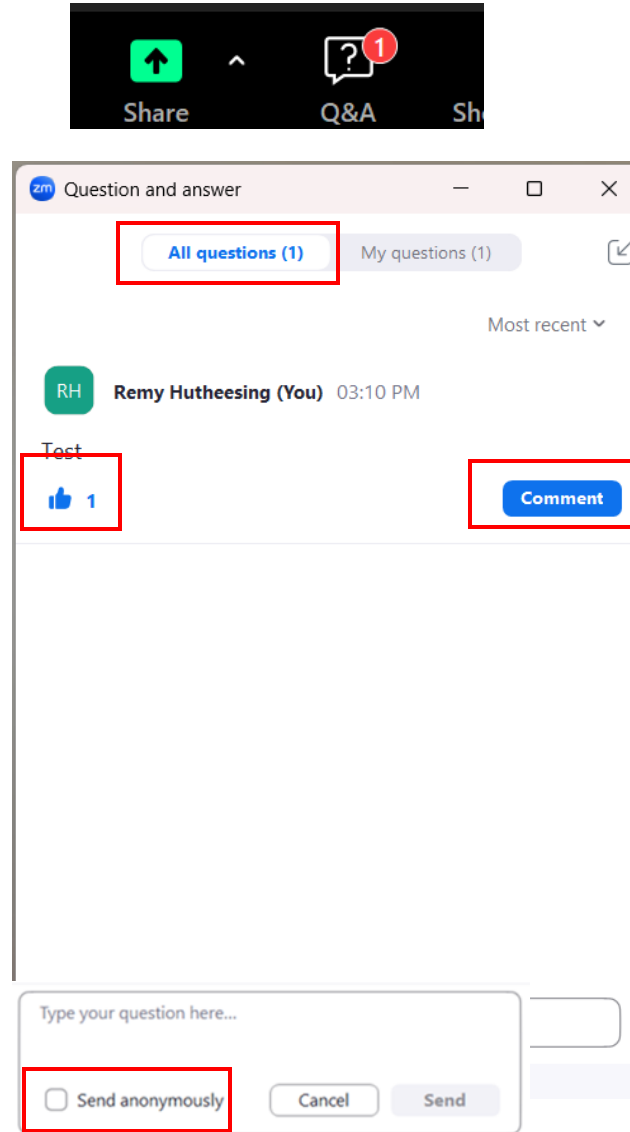
Questions can be asked here

Click here to adjust your audio settings



Q&A

- Attendees will be able to ask questions by clicking on the Q&A icon in the tool bar
- Attendees will be able to toggle between 'all questions' or 'my questions'
- Attendees can 'like' or 'comment' on questions posted by others
- Attendees can also post questions anonymously by checking the 'send anonymously' box



- Any 'raised hand' will be addressed at the end of the presentation if there is time. Otherwise please put your question in the Q&A

CEC Introduction

- Authority and Process
- Drivers and Themes
- Contacts

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Energy Code Project Manager
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California Energy Commission's Authority & Process

Public Resources Code

(PRC 25402): Reduction of wasteful, uneconomic, inefficient, or unnecessary consumption of energy

- Warren Alquist Act Signed into law in 1974
- Mandates updates to Building Efficiency Standards and requires the building departments to enforce them through the permit process



**CALIFORNIA
ENERGY COMMISSION**



California Energy Commission
Warren-Alquist Act

**State Energy Resources
Conservation and
Development Act**

**Public Resources Code
Section 25000 et seq.**

AB130 (2025-2026) Update

Limits updates to building standards affecting residential units before 2031 code cycle (effective date no sooner than Jan 1, 2032)

- All 2028 Energy Code updates will exclude buildings of occupancy group R
 - Occupancy group R is defined Part 2 of Title 24
- Residential energy metrics will remain unchanged until 2031 Energy Code, including compliance metrics and weather files
- September 22, 2025, CA Building Standards Commission Information Bulletin 25-03:
 - <https://www.dgs.ca.gov/BSC/News/Page-Content/Building-Standards-Commission-News-List-Folder/IB-25-03-AB-130>
- For questions on local ordinances, please email LocalOrdinances@energy.ca.gov

2028 Energy Code Drivers and Themes

State Goals

- Contribute to the state's GHG reduction goals
- Increase building energy efficiency cost-effectively

2028 Energy Code Areas of Interest – Nonresidential Buildings

- Continue to encourage efficient building decarbonization where possible
- Promote demand flexibility
- Covered process loads
- Existing buildings
- Compliance improvements



2028 Energy Code – How to Reach the CEC

- Any questions for the CEC can be sent to:
EnergyCodeUpdateInquiries@energy.ca.gov
- Comments on our 2028 Energy Code efforts and process can be formally submitted to our docket:
<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=25-BSTD-03>
- Comments may be included in the “Comment Text” box or attached in a downloadable, searchable Microsoft® Word (.doc, .docx) or Adobe® Acrobat® (.pdf) file
 - Maximum file size is 10 MB



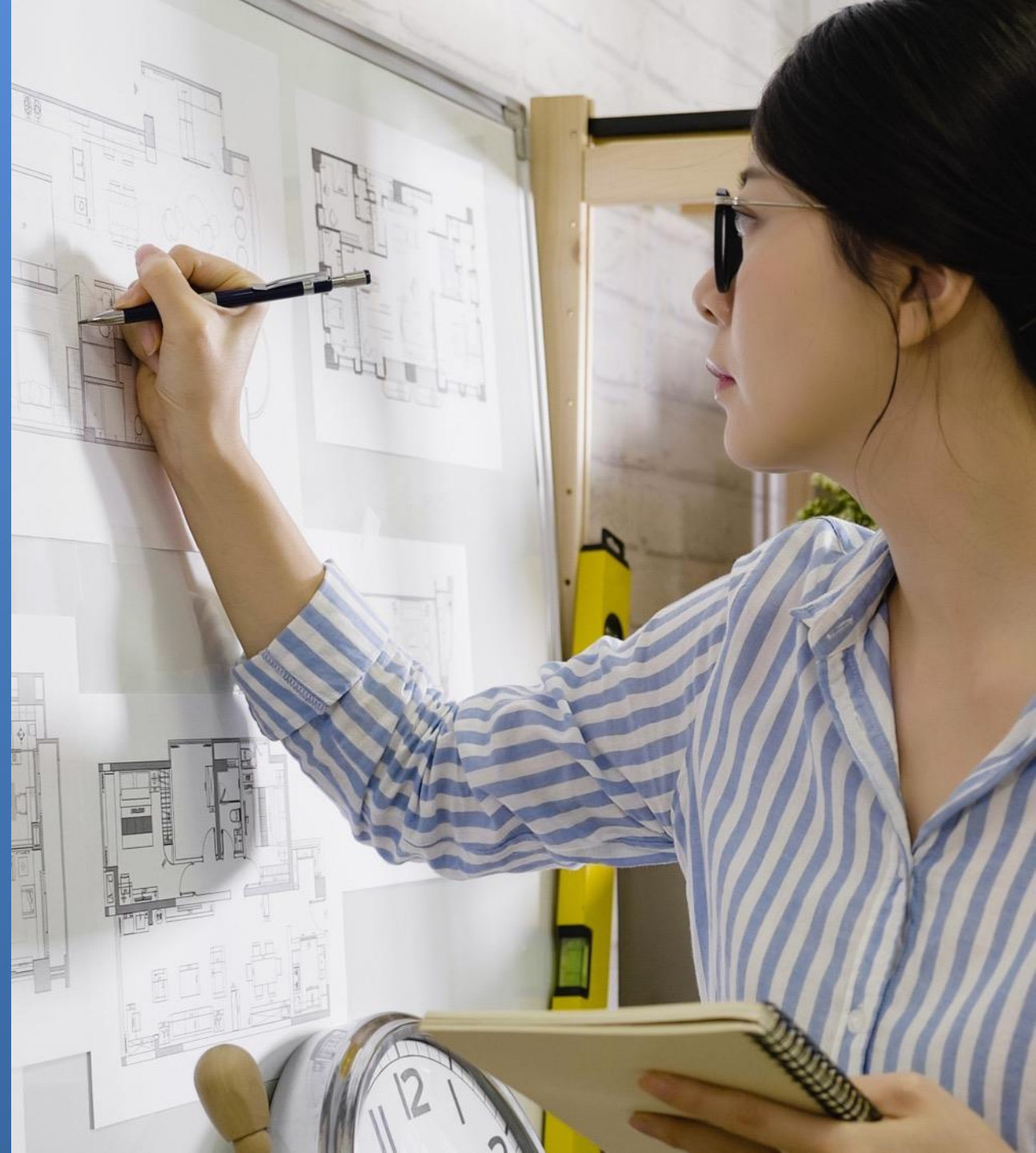
Statewide Utility Codes and Standards Team

Welcome, Project Schedule &
Milestones

Kelly Cunningham

PG&E

Kelly.Cunningham@pge.com



Statewide Utility Codes and Standards Team

Actively supports the California Energy Commission in developing proposed changes to the Energy Code (Title 24, Part 6) to achieve significant statewide energy use reductions through the development of code change proposals for the 2028 cycle that are:

Feasible | Cost effective | Enforceable



How the Utility Team Supports the 2028 Code Cycle

General priorities:

- Support CEC in achieving statewide policy goals
- Cost-effective energy savings (kWh, kW, Therms)
- GHG emissions reductions

Options for utility team support:

- Develop Code Change Proposals (CASE Reports)
- Provide data for proposals CEC develops
- Collaborate with other stakeholders who are developing proposals
- Support software development

Maximize number of cost-effective code changes for each cycle that will allow the state to achieve long-term policy goals



Next Presentation



Break

Resume 12:30am PT

Conclusion

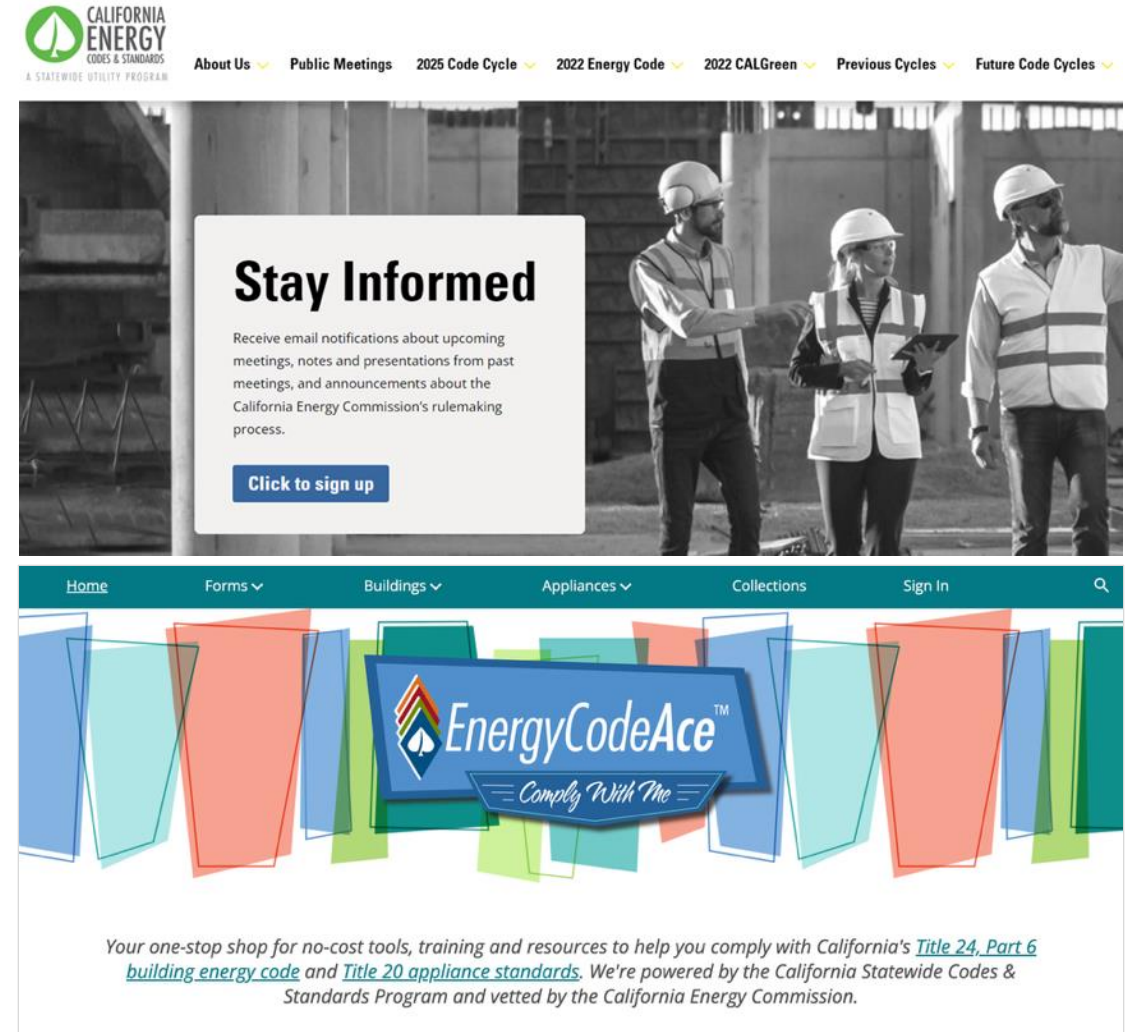


Upcoming Stakeholder Meetings and Topics for Each Meeting

| Tuesday September 23 9:00 – 3:00 PT | Wednesday September 24 11:00 – 4:00 PT | Tuesday September 30 10:00 – 1:15 PT | Thursday October 23 10:00 – 2:30 PT | Thursday October 29 9:00 – 3:00 PT |
|---|--|--|---|---|
| Process Boiler #1 Non-condensing Stack Economizer Requirement | Controlled Environment Horticulture Prescriptive Requirements for Space Conditioning Systems | Solar Heating for Existing Pools and Spas | ECM Circulator Pump with Controls | Modify existing chiller/boiler requirements to account for AWHP/WWHP |
| Process Boiler #2 Conductivity-Based Blowdown and Deaerator Settings | Controlled Environmental Horticulture: Lighting Efficacy & Language Clean-up | Traction Elevators | Require return to primary configuration | Update Air-to-Water Heat Pump Requirements |
| Reducing Maximum Airflow During Deadband Operation for Variable Air Volume HVAC Systems | Daylight Responsive Controls for Greenhouses | Data Centers Efficiency Improvements (HVAC) | Unitary HP/ER hybrid heaters | Air-to-Water Heat Pump Compliance Pathways and Requirements (glycol concentration only) |
| Enhanced Dedicated Outdoor Air Systems | Indoor Lighting Power Density | Fenestration Improvements | HVAC Fault Detection Diagnostics | Process Steam: Flash Steam Reduction and Recovery |
| Healthcare | Indoor Lighting Controls | | | Process Steam: Condensate Return |
| | Luminaire Classification and Power Exception for Alterations & Retrofits | | | Compressed Air: Air Drying |
| | | | | Heat Pump Water Heating Ventilation Clean Up |
| | | | | Solar Pool Heating |

Get in Touch

1. Visit Title24stakeholders.com to sign up for our listserv, or contact info@title24stakeholders.com
2. Follow 'Title 24 Stakeholders' on [LinkedIn](#)
3. Visit [Energy Code Ace](#) for compliance support and the [Local Energy Codes](#) program for information on statewide reach code activity
4. Contact the CEC [Building Energy Efficiency Standards - Title 24](#)



Participate In the Process

Stakeholder engagement is encouraged throughout the code cycle:

- ✓ Share knowledge and data
- ✓ Attend our utility-sponsored stakeholder meetings
- ✓ Participate in CASE surveys
- ✓ Review CASE Reports
- ✓ Submit comments

E-mail the CASE Team at: info@title24stakeholders.com

Sign up for our listserv at [Title24stakeholders.com](https://www.title24stakeholders.com)

Thank You

Questions?

✉ info@title24stakeholders.com

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