



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

April 21, 2026

Agenda 4/21

Introduction	2:00
Modulating DOAS	2:15
Reducing Max. Airflow During Deadband Operation for VAV HVAC Systems	3:00
HVAC Fault Detection Diagnosis (FDD)	3:45
Adjourn	4:30

If you experience technical difficulties during this webinar, please contact info@title24stakeholders.com, and someone from the CASE Team will get back to you shortly.

Objectives

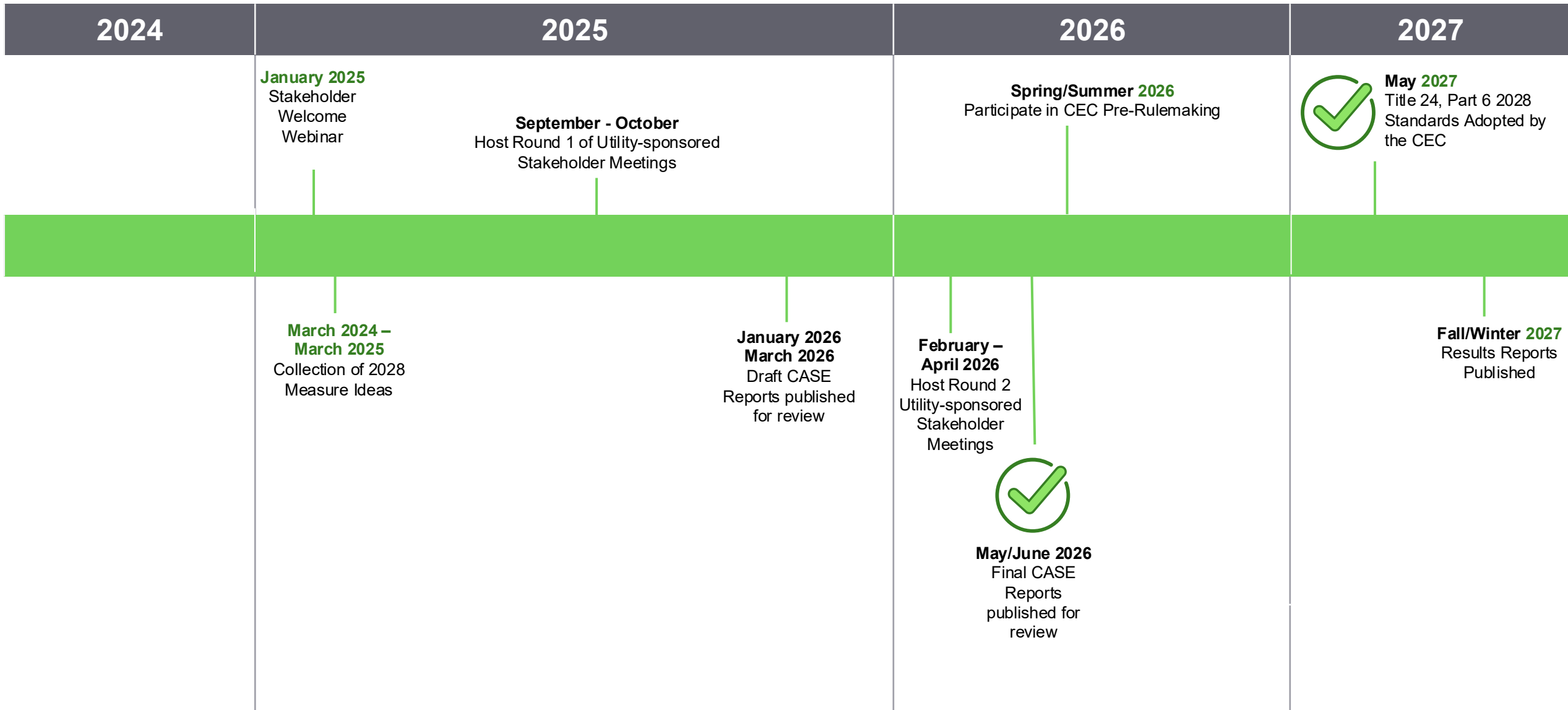
- Build involvement in the California Energy Code update process
- Introduce the Statewide CASE Team's measure ideas & offer opportunity for participation and clarifying questions
- Connect early in the cycle



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



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

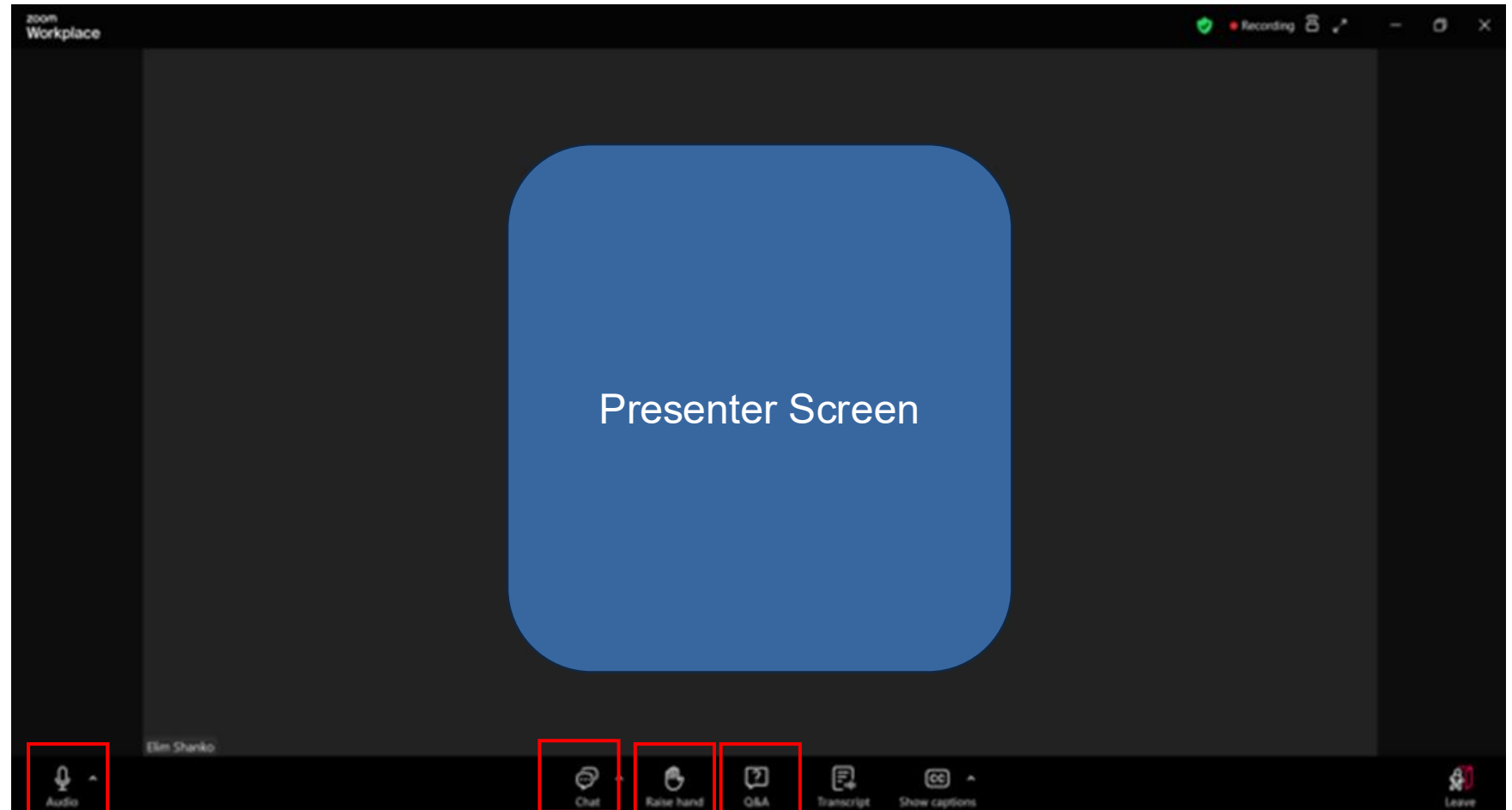
Zoom Dashboard and Features

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

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

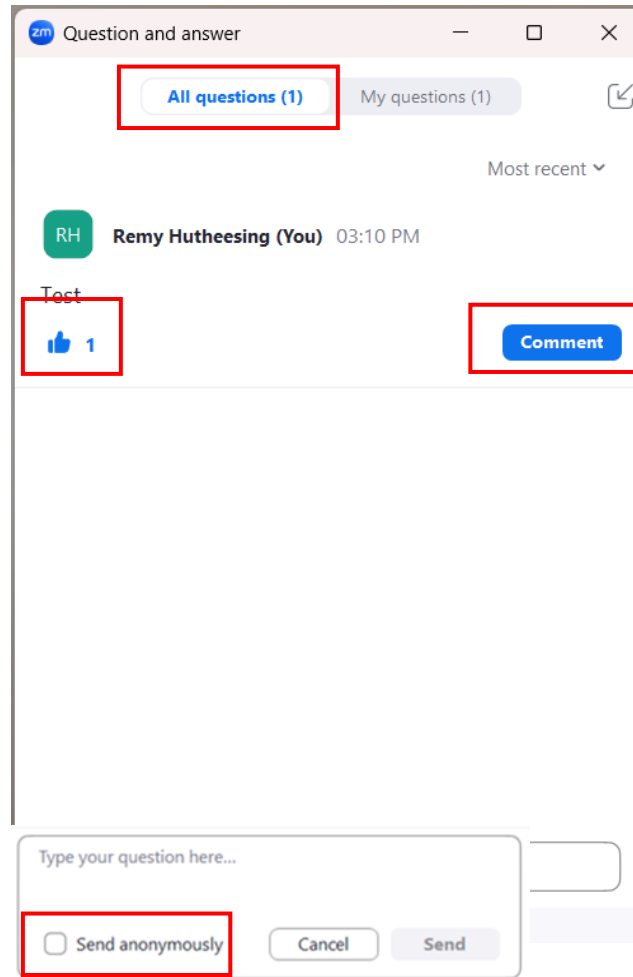
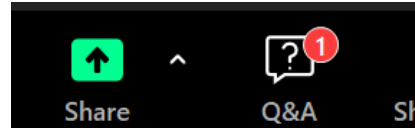
Questions can be asked here

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

Payam Bozorgchami

Senior Civil Engineer, Technical Lead
Payam.Bozorgchami@energy.ca.gov



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
NATURAL
RESOURCES
AGENCY

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 and its common or public use areas
 - 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 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



2025 Restructured Standards



HOME

PROCEEDINGS ▾

RULES AND REGULATIONS ▾

PROGRAMS AND TOPICS ▾



[Restructured 2025 Energy Code – California Code of Regulations – Title 24, Part 6 \(For Information Only\)](#)

FIND IT: <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2025-building-energy-efficiency>

COMMENT: <https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=24-BSTD-05>

Organized by Building System

Chapter	Section	Title
1	100.0-100.2	General Provisions All building types
2	110.0-110.12	Mandatory All building types
3	120.0-120.10	Mandatory Nonresidential, Covered Process
4	130.0-130.5	Mandatory Lighting & Electrical Nonresidential, Covered Process
5	140.0-140.10	Prescriptive and Performance Nonresidential, Covered Process
6	141.0-141.1	Additions, Alterations and Repairs Nonresidential, Covered Process
7	150.0	Mandatory Single-family
8	150.1	Prescriptive and Performance Single-family
9	150.2	Additions, Alterations and Repairs Single-family
10	160.0-160.9	Mandatory Multifamily
11	170.0-170.2	Prescriptive and Performance Multifamily
12	180.0-180.4	Additions, Alterations and Repairs Multifamily

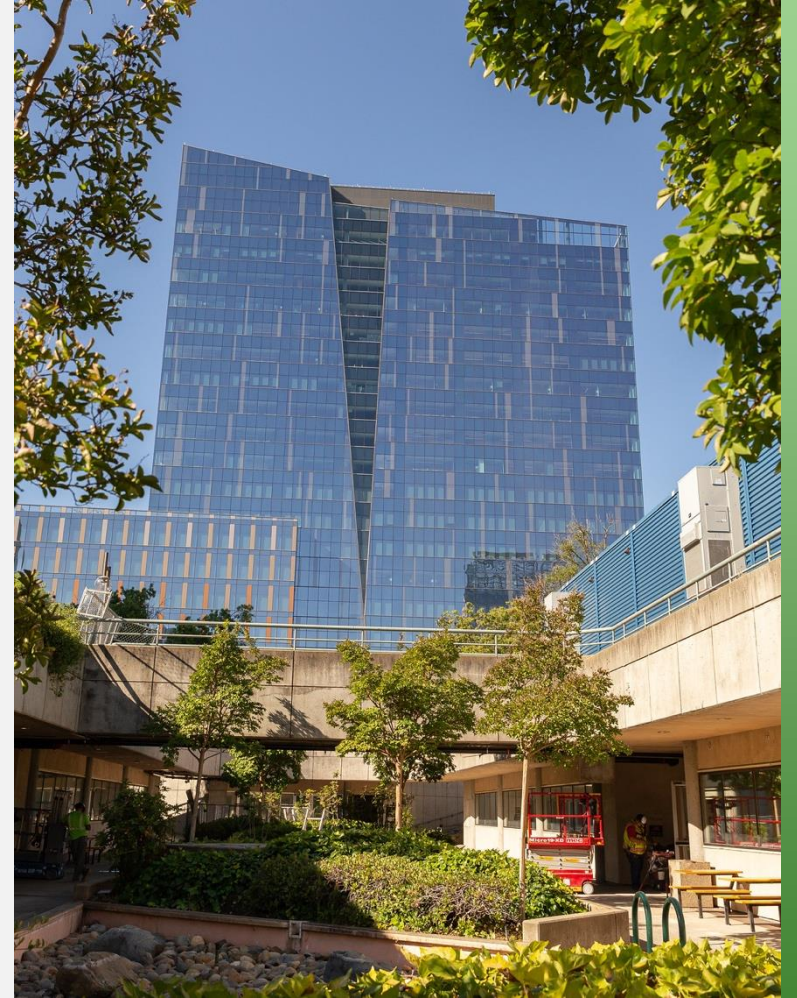
CURRENT STRUCTURE

Chapter	Section	Title
1	100-102	General Provisions All building types
2	200	Definitions All building types
3	300-303	Envelope All building types, Nonresidential, Single-family, Multifamily
4	400-403	HVAC and Ventilation All building types, Nonresidential, Single-family, Multifamily
5	500-503	Plumbing All building types, Nonresidential, Single-family, Multifamily
6	600-603	Electrical and Lighting All building types, Nonresidential, Single-family, Multifamily
7	700-703	Renewables and Storage All building types, Nonresidential, Single-family, Multifamily
8	800-803	Pool and Spa All building types, Nonresidential, Single-family, Multifamily
9	900-911	Process Systems and Equipment Covered Process
10	1000-10001	Design Review and Commissioning Nonresidential

RESTRUCTURED FOR 2028

2028 Energy Code – How to Reach the CEC

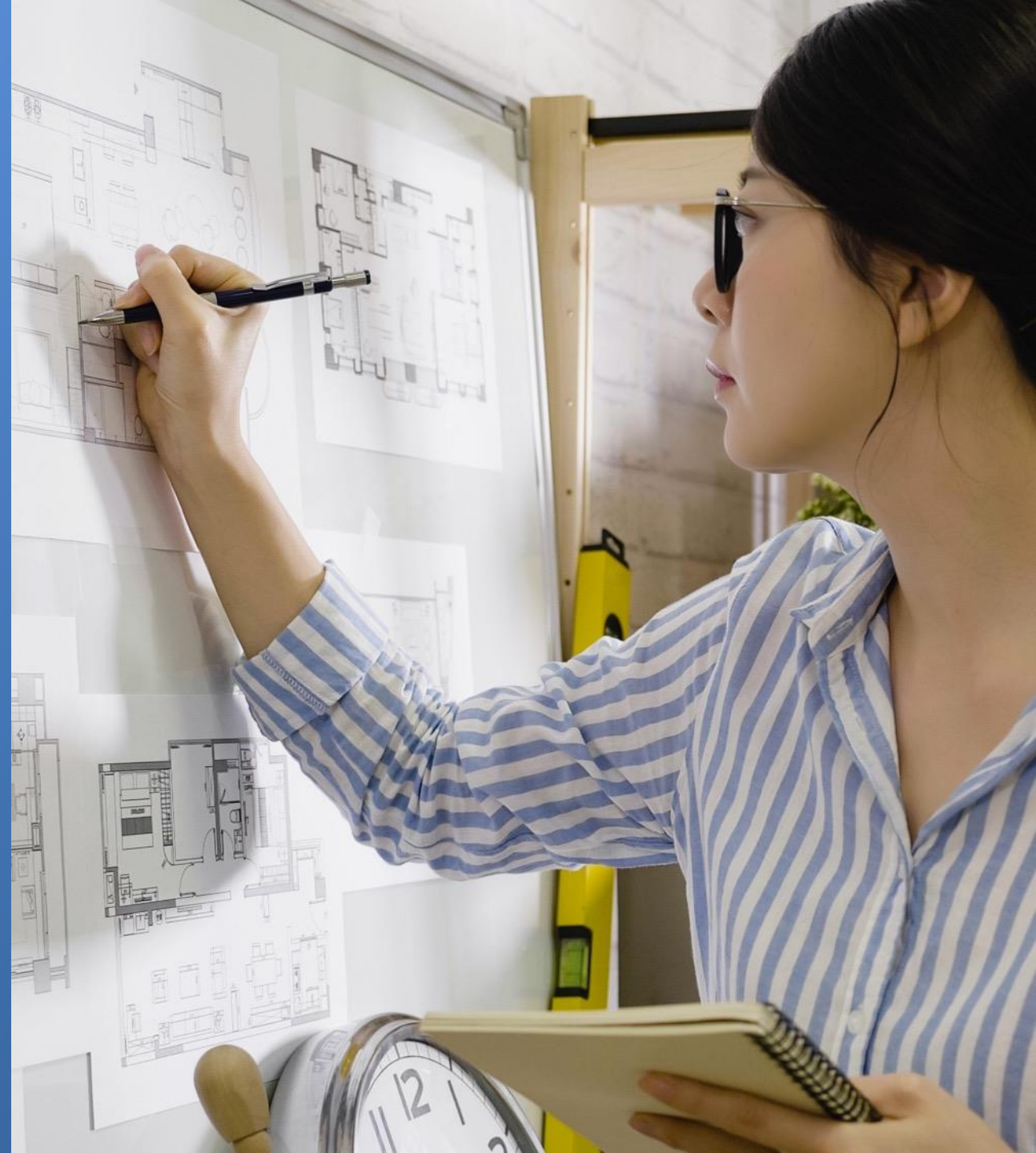
- Any questions for the CEC can be sent to:
EnergyCodeUpdateInquiries@energy.ca.gov
- Comments on our 2028 Energy Code efforts and process can be formally submitted to our docket:
<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=25-BSTD-03>
- Comments may be included in the “Comment 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

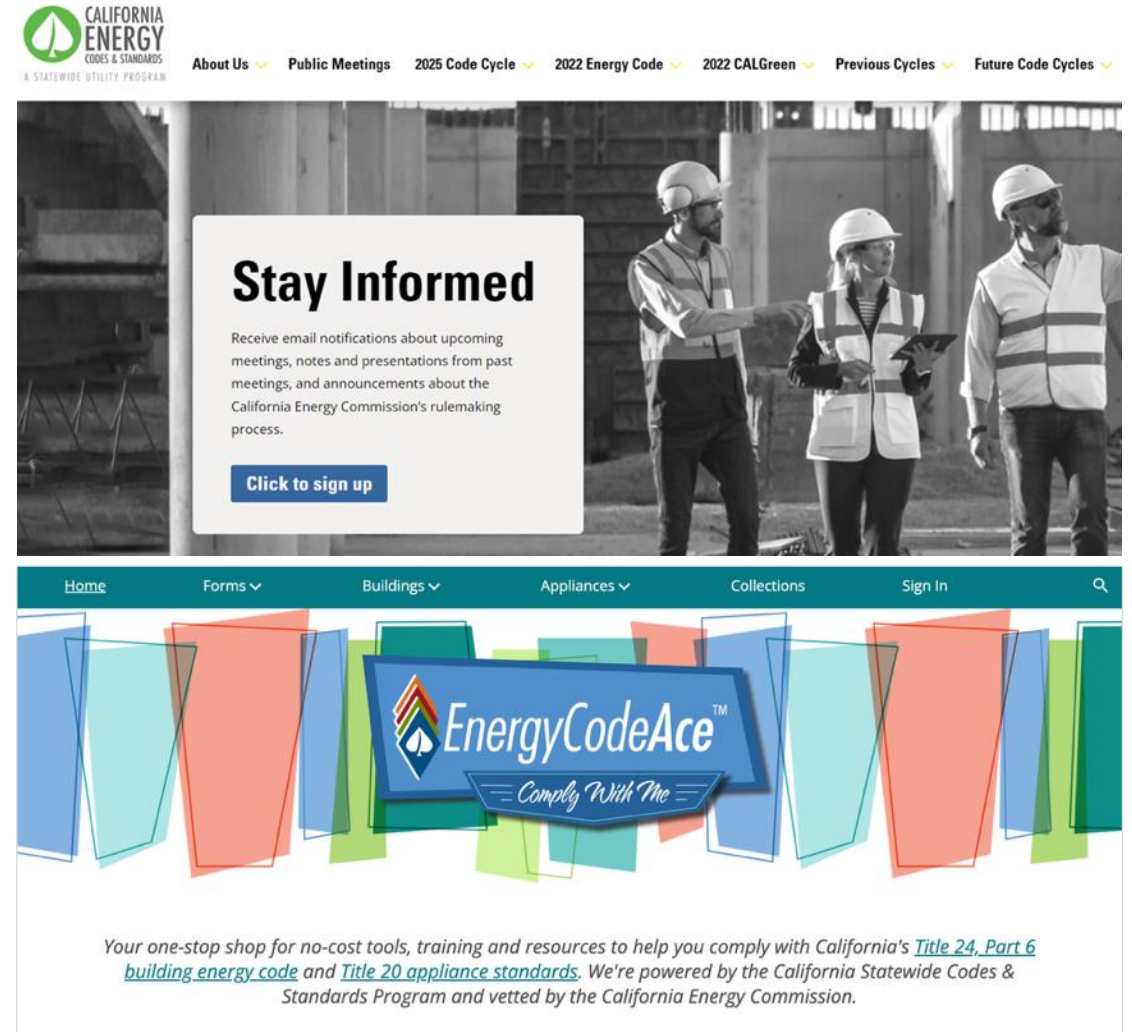
Maximize number of cost-effective code changes for each cycle that will allow the state to achieve long-term policy goals

Conclusion



Get in Touch

1. Visit [Title24stakeholders.com](https://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

Payam Bozorgchami

California Energy Commission

payam.bozorgchami@energy.ca.gov

Kelly Cunningham

PG&E

Kelly.Cunningham@pge.com

Cosimina Panetti

Stakeholder Engagement

cpanetti@energy-solution.com

Chris Uraine

Program Oversight

curaine@energy-solution.com

Nikki Westfall

Program Management

nwestfall@energy-solution.com

