



California  
Energy  
Alliance

# Member Business Meeting

November 16, 2022, 11:00 a.m. - 12:00 p.m.

# Welcome & Meeting Overview

*Josh Dean, CEA Executive Director*



# CEA Antitrust Statement

The purpose of the CEA is to explore avenues of mutual interest and cooperation in building energy policy. It is important to recognize that these activities are subject to certain legal limits imposed by state and federal antitrust laws. One central concern of these laws is with combinations or agreements in restraint of trade whereby competition is reduced by design. In the course of all CEA activities, discussions among members involving pricing, sale terms, territories, production or other aspects of competition, must be avoided. In the event any member ever feels that the course of Alliance activities or statements or actions in Alliance meetings is headed into such an area, members should raise the issue immediately so that further discussion of such matters can be suspended pending receipt of advice satisfactory to the members that the topics addressed do not give rise to antitrust problems.



# Agenda

- 11:00 a.m. Welcome & Meeting Overview
- *Josh Dean, CEA, Executive Director*
- 11:05 a.m. CEA General Business Updates
- *Josh Dean*
- 11:15 a.m. State & National Codes, Standards, & Policy Updates
- *Kelly Seeger, Signify*
- 11:30 a.m. 2025 Code Cycle Development
- *All*
  - *Updates on CASE Team & final vote on CEA Measures*
- 11:55 a.m. Meeting Wrap-up
- *Josh Dean*
- 12:00 p.m. Adjourn



# CEA General Business Updates

*Josh Dean*



# CEA General Updates

- Upcoming CEA Events
  - Member Webinar - *“I Wish They All Could Be California Codes”*
    - Duane Jonlin, FAIA
      - Energy Code and Energy Conservation Advisor
      - City of Seattle - Department of Construction and Inspections
    - December 7th: 10:00 - 11:30 a.m. PT
  - Member Business Meetings
    - December 21st - Canceling
      - Focus on Working Groups & 2025 code development
    - January 11th or 25th at 11:00 a.m. PT? - Zoom Poll
    - 2023 Business Meetings - 3rd Wednesday at 11:00 a.m. PT
      - Invites to be sent this week
  - 2023 Member In-Person Meeting
    - March 14th - 15th in San Diego (SMART Local 206 Training Facility)
    - Tentative schedule: (3/14) 1pm - 5pm and (3/15) 8am - 4pm
    - Potential tour morning of (3/14)



# CEA General Updates

- CEC RFQ-22-401 - Flexible Demand Appliance Standards Advanced Research and Proposal Development
  - The purpose of this Agreement is for the prime contractor to lead a team of professional architectural and engineering consultants to provide technical support for:
    - Developing, updating, and maintaining regulatory standards for flexible demand features and technologies in consumer and commercial appliances.
  - Work will focus on the development and implementation of appliance standards consistent with statutory direction to adopt, by regulation, and periodically update, standards for appliances to facilitate the deployment of flexible demand technologies.
- Title 24 Lighting & Lighting Controls Clean Up Project
  - Update on Subcommittees
- Working Group Updates?



# State & National Codes, Standards, & Policy Updates

*Kelly Seeger, Signify*







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# A few interesting standards and regulations updates

Kelly Seeger, Signify

November 16, 2022

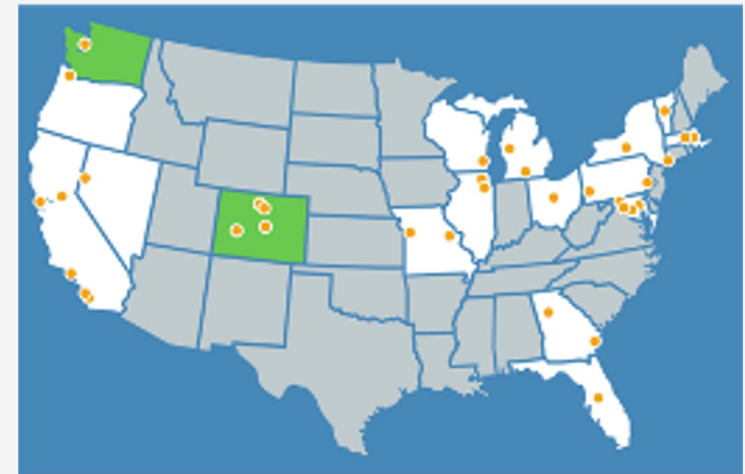
# Federal

U.S. has a new National Climate Advisor – Ali Zaidi – his agenda encompasses three core pieces

- (1) making sure the “programmatic infrastructure” is in place to start spending the \$369 billion in the climate bill,
- (2) harmonizing climate action across the administration, in part through new standards, and
- (3) ensuring state and local governments are advancing complementary measures.

The Biden Administration launched a [National Building Performance Standards Coalition](#) of 33 States and local governments in January to spur development of BPS across the country

- IMT has been asked to develop a federal building performance standard.
- IMT has already developed a model BPS Ordinance including lessons learned from 4 jurisdictions (District of Columbia, New York City, St. Louis, and the state of Washington)



# State Regulations

[CA AB 2208 Fluorescent Lamps: Sale and Distribution: Prohibition](#) was signed into law. This law begins the phase out of fluorescent lamps / Hg-containing lamps in general lighting applications by banning the sale of screw or bayonet- base compact fluorescent lamps (CFL) starting on 1/1/2024 and bans the sale of pin-based CFL and linear fluorescent lamps starting on 1/1/2025. Certain lamps that meet specified criteria are exempted, including lamps used for image capture and projection and lamps used for disinfection. We expect many more actions from States on Hg-containing lamps. CA joins RI in banning fluorescent lamps.

[CA AB 2383 Light Pollution Control](#) passed the legislature on 9/9/22 but was vetoed by Gov. Newsom on 9/23/22. AB 2383 would have required all 24,000+ state-owned, leased, and managed buildings to have outdoor lighting  $\leq 2700$  K, be shielded, and include shutoff devices or motion sensors. The Governor vetoed the bill for three reasons including (1) the bill being an overly broad mandate that raises concerns for health and safety, security, and crime prevention, (2) The California Green Building Standards Code (CALGreen T24 Part 11) includes light pollution reduction standards for nonresidential buildings, and (3) the costs are unfunded, potentially significant, and not accounted for in the state budget.

[NJ Senate Bill S3138 \(2022\)](#) introduced in the Senate on 10/03/22, referred to Senate Environment and Energy Committee. This bill requires outdoor lighting fixtures installed or replaced by, or on behalf of State, or at projects receiving State funds, to meet certain criteria including full shielding, appropriate illuminance levels per the IES the Federal Highway Administration, full cutoff fixtures when the output  $< 1,800$  lumens, consideration of reducing glare, minimizing light trespass and light pollution, and preserving the natural night environment.



# State

The County of Maui (Hawaii, US) passed [Bill 21, CD2, FD2 \(2022\)](#) which updates the county's existing outdoor lighting ordinance and adds new requirements for new and existing lighting installations. Wall-mounted luminaires must include opaque shields to direct all light downward.

- Lighting fixtures must be fully shielded and directed downward (no light above 90 deg). Light sources must have less than 2% blue light content in the 400 – 500 nanometer range of the visible light spectrum. If the light hits a wall surface, the surface must be non-reflective, e.g., not a polished or glass surface; painted surfaces must have matte paint.



**Maui County**  
County in Hawaii

Maui County, officially the County of Maui, is a county in the U.S. state of Hawaii. It consists of the islands of Maui, Lānaʻi, Molokaʻi, Kahoʻolawe, and Molokini. The latter two are uninhabited. As of the 2020 census, the population was 164,754. The county seat is Wailuku. [Wikipedia](#)

**Area:** 2,398 mi<sup>2</sup>  
**Population:** 164,221 (2021)  
**County seat:** [Wailuku](#)



# Standards

ASHRAE 90.1 Advanced Energy Standards (strategy) Work Group met and worked on several topics for the Standard's workplan in October

- Move to a 9-year, 3 code cycle work plan beginning with the 2025 Standard (2025, 2028, 2031)
- Work to capture 11% energy reduction each of these cycles to meet the ASHRAE vision of carbon neutral new buildings by 2030.
- Targets comprise electrification, carbon reduction, source energy, renewables, minimums required by law
- Flexible compliance approaches are being considered - instead of a single metric (cost and a minimum stringency), we enable the 90.1 standard to meet jurisdictional needs with multiple metrics such as energy cost, carbon, source energy, site energy
- Want 90.1 to appeal to jurisdictions with a variety of different goals; other programs like LEED, Arch 2030 could reference 90.1 and cite a level of stringency appropriate for their goals etc.



# 2025 Code Cycle Development

*All*



# CASE Team Feedback

- 2025 Cycle CASE Reports - [link to reports](#)
- Request to collaborate with CEA SMEs
  - Data, cost info, market assessment
  - Stakeholder info/outreach
  - Review/advise CASE work: code language, review CASE report
  - [Link](#) to CASE Team contacts
- If you'd like to participate, email [josh.dean@caenergyalliance.org](mailto:josh.dean@caenergyalliance.org) to be added to the SME list.



# 2025 Code Cycle Development Updates

## Measures

- Lighting:
  - Institutional Tuning - [link to worksheet](#)
  - Lighting for Wellbeing - [link to worksheet](#)
  - Title 20/Title 24 Product Requirements - [link to worksheet](#)
  - Multi-level Lighting Expansion - [link to worksheet](#)
- Demand Mgmt:
  - ~~DR for Exterior Lighting - worksheet needed~~
  - ~~HVAC Demand Mgmt. - AHRI 1380 standard - worksheet needed or through CASE Team?~~
  - ~~Plug Load - requiring controlled receptacles for alterations and expanding the space types where they're required - worksheet needed~~





# 2025 Code Cycle Development Updates

## Measures

- Mandatory Monitoring - [link to worksheet](#)
- Compliance/Enforcement/AT:
  - Fault Detection & Diagnostics - [link to worksheet](#)
  - ~~Duct Leak Testing - asking CAL SMACNA to take lead~~
  - ~~ATT Enforcement - NRCIs and NRCAs - looking at a different route (i.e., legislation, T24 clean up, etc.)~~

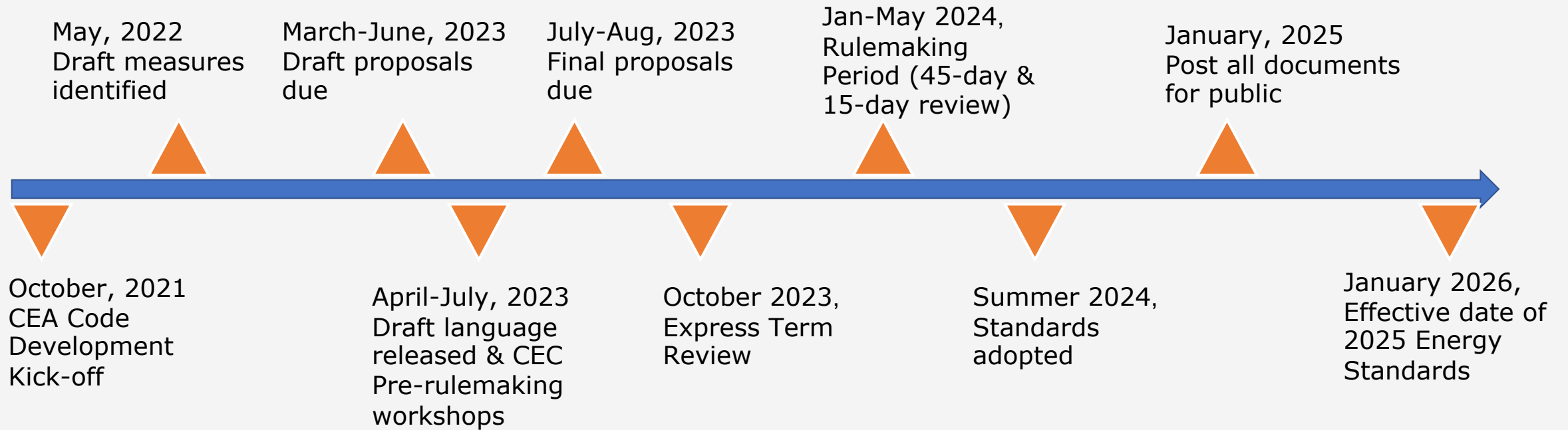
Vote on CEA measures - Zoom Poll

Meet with CEC to review proposed measures - Proposed November 29th

2025 Code Cycle Resources - [Link to Google Drive](#)



# 2025 Standards Development Timeline





# Thank You For Attending CEA Member Business Meeting

Meeting Materials are available to  
CEA Members via the member portal at  
[caenergyalliance.org](https://caenergyalliance.org)