



Own the Code!

Title 24, JA8
& Getting Involved



John Martin, California Energy Alliance





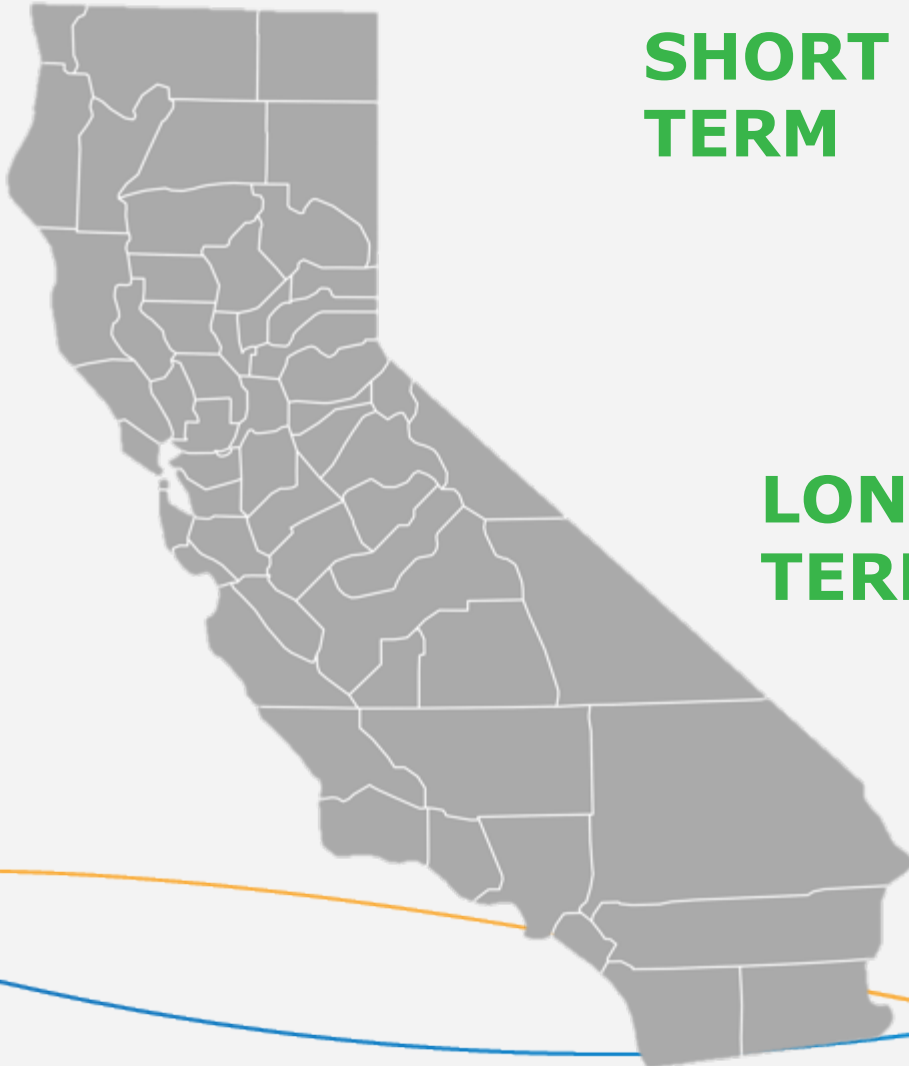
California Energy Alliance

What is the California Energy Alliance?

Alliance of labor organizations, environmental advocates, industry partners and researchers committed to smart, sustainable energy use within California's built environment.



CEA's Energy Vision for California



SHORT TERM

- Reduce energy use and improve environment using existing programs and processes
 - Energy Standards (Title 24)
 - Policies such as SB 1414 and SB 100

LONG TERM

Develop and deploy improved policies and approaches:

- Measured Performance
- Decarbonization
- Electrification
- Compliance Improvement



Key Accomplishments & Current Initiatives

2017-
2018

2019 Energy Standards
Adopted Code Change Proposal:
Lighting Alterations

2019 Energy Standards:
Adopted ADR Improvements

2019-
2021

Nine measures for
2022 Energy Standards

Outcome-Based Energy Code

HVAC Compliance Improvement



CEA Measures (as of 11 June 2019)

- Circuit Controls for 120-V Receptacles and Controlled Receptacles
- Demand Management
- HERS Updates (Residential; no change in stringency)
- Space Conditioning: System Leakage (coordinated with SMACNA)
- Acceptance Testing: Lighting Controls—forms cleanup and early ATT involvement



Exceptional Designs

Administrative Measure

- Language updates to enable use of alternative designs; create compliance pathway
 - Section 10-104, 10-109: remove constraints that limit this option for use with modeling only; broaden options
- Short-term solution to enable OBC pilot projects
- Long-term OBC option in development

10-104 – EXCEPTIONAL DESIGNS

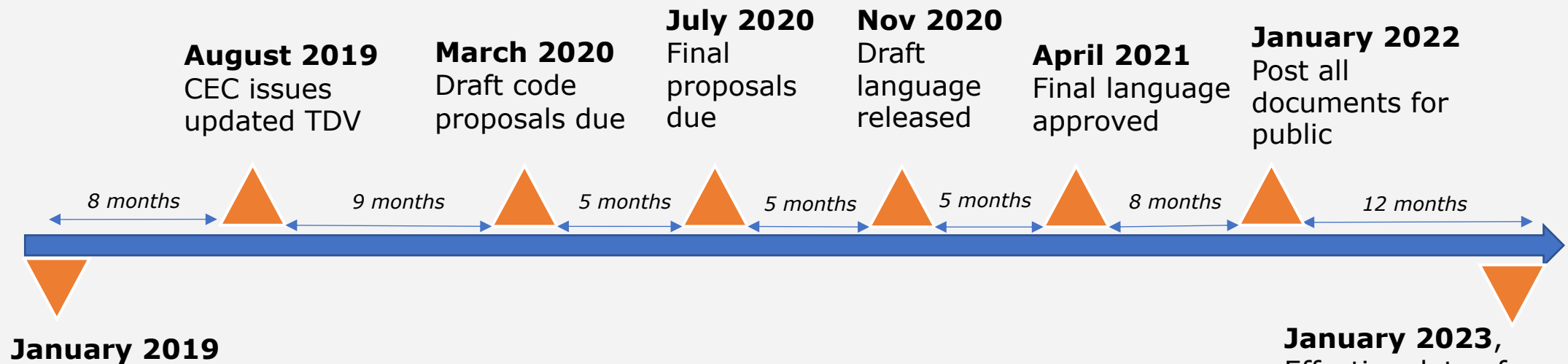
NOTE: See Section 10-109 for approval of calculation methods and Alternative Component Packages.

- (a) **Requirements.** If a building permit applicant proposes to use a performance compliance approach, and the building designs cannot be adequately modeled by an approved calculation method, an applicant shall be granted a building permit if the Commission finds:
1. That the design cannot be adequately modeled with an approved calculation method;
 2. Using an alternative evaluation technique, that the design complies with Part 6; and
 3. That the enforcement agency has determined that the design complies with all other legal requirements.
- (b) **Applications.** The applicant shall submit four copies of a signed application with the following materials to the Executive Director:
1. A copy of the plans and documentation required by Section 10-103(a)2;
 2. A statement explaining why meeting the energy budget cannot be demonstrated using an approved calculation method;
 3. Documentation from the enforcement agency stating that:
 - A. Meeting the energy budget requirements cannot be demonstrated using an approved calculation method; and
 - B. The design complies with all other legal requirements; and
 4. A detailed evaluation of the energy consumption of the proposed building and the building's materials, components, and manufactured devices proposed to be installed to meet the requirements of Part 6 using an alternative evaluation technique. The evaluation shall include a copy of the technique, instructions for its use, a list of all input data, and all other information required to replicate the results.

NOTE: Authority: Sections 25402 and 25402.1, Public Resources Code. Reference: Sections 25007, 25008, 25218.5, 25310, 25402, 25402.1, 25402.4, 25402.5, 25402.8 and 25943, Public Resources Code.



2022 Energy Standards Development Timeline



- Now through end of 2019, develop proposals.
- Work in 2020 will be directed at final revisions and advocacy to ensure our measures make the final cut.
- Work in 2021 will be directed at updating compliance manuals and supporting documents.
- Work complete by December 2021.



CEA's Successful Codes & Standards Strategy

- “Opening up” Building Standards Process
 - More participants, more participation, greater transparency
- Combined volunteer and “staff” efforts
- Productive working relationship with CEC staff and members
- Significant Codes and Standards contributor in < 24 months



Thank you!

For more information, please visit caenergyalliance.org or contact:

John Martin: john.martin@caenergyalliance.org

Cori Jackson: cori.jackson@caenergyalliance.org

