



# California Energy Commission

2024 CalBEM Symposium: CBECC Winter 24/25 Updates

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# **‘22 So Far (Where we’ve been...)**





# CBCECC Releases

## 2022 Code Cycle So Far:

- 2022.1.0
- 2022.2.0
- 2022.2.1
- 2022.2.1 SP1
- 2022.3.0
- 2022.3.0 SP1
- 2022.3.0 SP2
- 2022.3.1
- 2022.3.2
  - *Winter 24/25*

## 2025 Research Versions:

- 2025.0.2
- 2025.0.3
- 2025.0.4
- 2025.0.8 CBCECC-Res
- 2025.0.9b CBCECC-Res
- *Targeting early 2025 for next RV's*

**Lots of releases!**



# **“Recent” Additions**

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## **CBECC**

- 1. Multifamily restructuring**
- 2. Multifamily Existing + Addition + Alteration (EAA)**
- 3. Correction of EAA metrics**
- 4. PV/Battery in CBECC**
- 5. California Utility Allowance Calculator (CUAC)**

## **CBECC-Res**

- 1. Combined hydronic heat pump space and water heating**
- 2. PV exception defaulting**

## **Both**

- 1. Air-To-Water Heat Pumps**
- 2. SEER2/EER2/HSPF2**
- 3. Geometry checks**



# **'22 and 25 (Where we are...)**





# Approved Compliance Software

## 2022 Building Energy Efficiency Standards Compliance Software Approval and Expiration Dates

(Revised 06/03/24)

CALIFORNIA ENERGY COMMISSION



### Approved Compliance Software (6/3/24):

#### Single-Family Residential:

- CBECC-Res 2022.3.0
- CBECC-Res 2022.3.1
- EnergyPro 9.2
- EnergyPro 9.3
- Right-Energy 2022.3.0 (new-construction only)

#### Nonresidential and Multifamily:

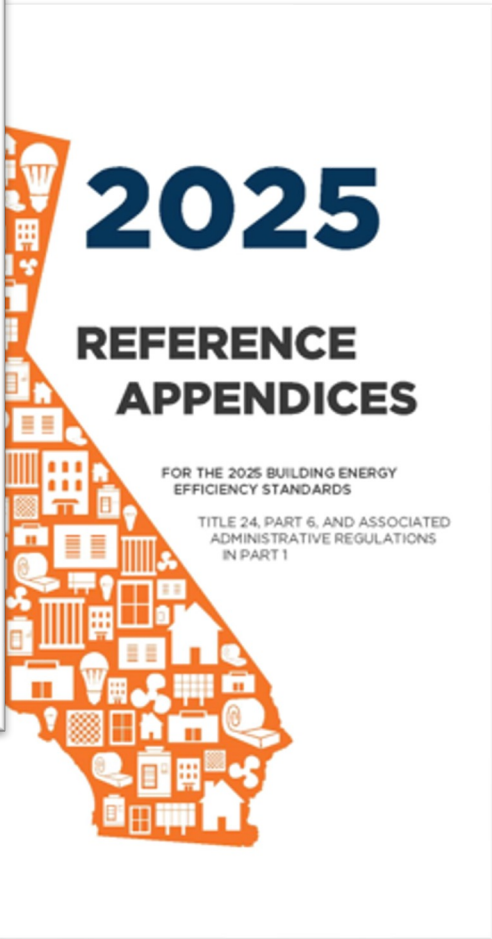
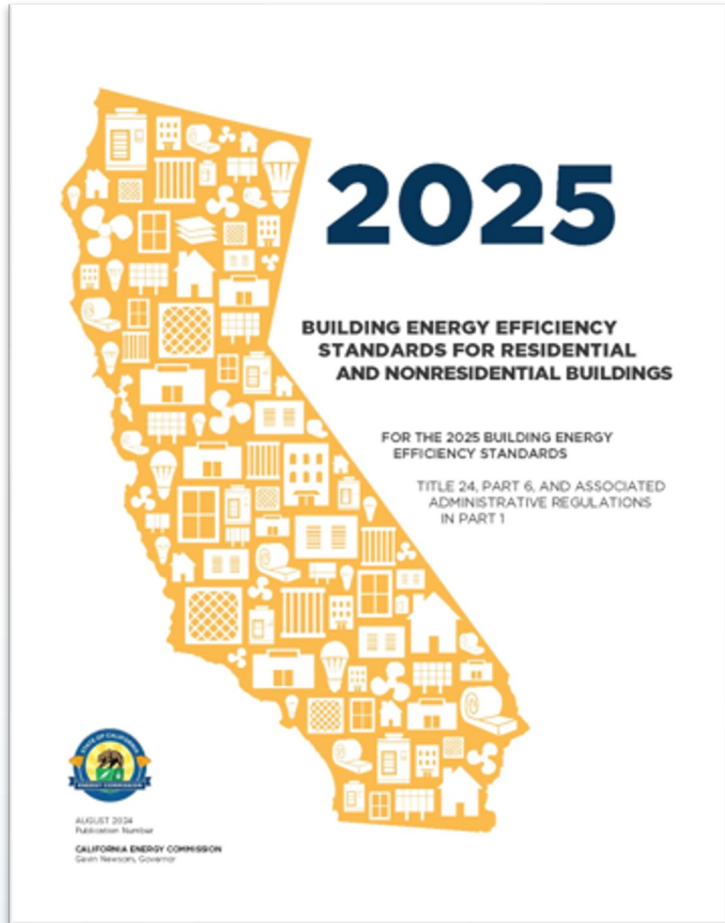
- CBECC 2022.3.0
- CBECC 2022.3.1
- EnergyPro 9.2
- EnergyPro 9.3
- IES VE 1.1 (nonresidential new-construction only)

[2022 Compliance Software Approval and Expiration Dates](https://www.energy.ca.gov/media/7409)

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# 2025 Energy Code



Milestones	Timelines
Business Meeting Adoption	September 2024
California Building Standards Commission (CBSC) Approval	December 2024
2025 Energy Conservation Manual Adoption and <b>CBECC 2025.1.0 Approval</b>	May/June 2024
Effective Date	January 2026



# 2022.3.2 Winter Release

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## **CBECC**

- 1. VRF 1230-2014 to 1230-2023 EER Crosswalk**
- 2. Pumped Refrigerant Economizers**
- 3. Computer Room Efficiency Updates**

## **CBECC-Res**

- 1. CUAC For Single-Family**

## **Both**

- 1. JA13 Demand Responsive HPWH Credit**
- 2. CUAC Rate Update**
- 3. Bug Fixes!**





# **22/25 Priorities (Where we're going...)**



# CBECC Priorities: Winter 24/25

## 1. 2025 Software Development

- EnergyPlus Upgrades (24.1, 24.2, and newer)
- New Air to Water Heat Pump Object (HeatPump:PlantLoop:EIR)
- Multi-zone HVAC Systems
- NEEA Heat Pump Water Heater Generic Modeling
- Variable Capacity Heat Pump Modeling version 3 (VCHP3)
- 2025 Code Updates (peak cooling, HP baselines, MZ baselines, and more...)

## 2. CBECC Project Management

- Code and Tickets Moving to GitHub

## 3. Support Line Streamlining

- GitHub support tracking

## 4. Third-Party Software Testing

- Investigating ways to enhance and streamline applications and reviews



# Resources





# Staying Informed – Resources

- [Building Energy Efficiency Standards Subscription](#)
  - Notification for docketed material, workshops, software releases and approvals, business meeting notices
- [2022 Building Energy Efficiency Standards Homepage](#)
  - Links to dockets, presentations, important dates, backup material
- [Blueprint Newsletter](#)
  - Quarterly e-newsletter that delves into the Building Energy Efficiency Standards: project examples, code updates, FAQs, code clarifications, announcements, and outreach/education
- [CBECC](#) and [CBECC-Res](#) Support
- [2022 Compliance Software Webpage](#)
- Industry Groups: [CABEC](#), [CaIBEM](#), [IBPSA-USA](#)



# 2025: Additional Resources

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- [2025 Building Energy Efficiency Standards Homepage](#)
  - Links to dockets, presentations, important dates, backup material
- [2025 Compliance Software Webpage](#)



**Thank You!**

