

DOCKETED	
Docket Number:	24-BSTD-01
Project Title:	2025 Energy Code Rulemaking
TN #:	261212
Document Title:	Updated Informative Digest
Description:	The California Energy Commission finds that no revisions have been made which would warrant a change to the informative digest contained in the Notice of Proposed Action.
Filer:	Michael Shewmaker
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	1/22/2025 9:35:13 AM
Docketed Date:	1/22/2025

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814energy.ca.gov

CEC-057 (Revised 1/21)

**UPDATED INFORMATIVE DIGEST****TO THE CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS****2025 CALIFORNIA ADMINISTRATIVE CODE
2025 BUILDING ENERGY EFFICIENCY STANDARDS
CALIFORNIA CODE OF REGULATIONS, TITLE 24,
PART 1, CHAPTER 10, AND PART 6
(2025 CALIFORNIA ENERGY CODE)
[CEC 01/24]****Docket No. 24-BSTD-01**

The California Energy Commission finds that no revisions have been made which would warrant a change to the informative digest contained in the Notice of Proposed Action.

The Warren-Alquist Act (California Public Resources Code Sections 25001 *et seq.*) establishes the CEC as California's primary energy policy and planning agency. Public Resource Code Sections 25213, 25218, 25402, 25402.1, 25402.4, 25402.5, 25402.8, 25910, 25942, and 25943 mandate and/or authorize that the CEC adopt rules and regulations, as necessary, to reduce the inefficient consumption of energy and water in newly constructed buildings and certain additions and alterations to existing buildings. One of the ways the CEC satisfies this requirement is through the California Energy Code (California Code of Regulations, Title 24, Part 6) found in the California Building Standards Code, which are adopted pursuant to Health and Safety Code Sections 18930, 18934, and 18935 and, where applicable, the California Environmental Quality Act, California Public Resources Code Sections 21000 *et seq.* The Energy Code includes all the energy efficiency requirements applicable to newly constructed buildings and additions and alterations to existing buildings. As a portion of the California Building Code (Title 24), the Energy Code (Title 24, Part 6) follows the same three-year update cycle.

On September 11, 2024, the CEC adopted amendments for publication in 2025 with an effective date of January 1, 2026.

The proposed amendments to the 2025 Energy Code would:

- Introduce prescriptive heat pump requirements for select nonresidential existing building types.

- Update prescriptive heat pump requirements, and associated performance baselines, for newly constructed single-family, multifamily, and select nonresidential building types.
- Update solar photovoltaic system standards for residential, nonresidential and hotel and motel buildings.
- Update energy storage standards for high-rise residential, nonresidential, and hotel and motel buildings.
- Update the requirements for pipe insulation for nonresidential and hotel and motel buildings.
- Update the requirements for covered processes for nonresidential and hotel and motel buildings to reduce cooling energy usage in refrigerated warehouses.
- Update the requirements for laboratory exhaust systems.
- Increase envelope efficiency standards for residential, nonresidential, and multifamily buildings.
- Establish a requirement for vestibules when they are installed.
- Improve the language for lighting control requirements.
- Remove the Tailored Method for calculating indoor lighting power for code compliance simplification.
- Replace the lighting requirement tables for residential, nonresidential, and multifamily buildings with clear, descriptive text for easier understanding. Increase space conditioning system efficiency and control standards for residential and nonresidential buildings.
- Improve indoor air quality requirements for multifamily buildings by requiring balanced or supply-only ventilation systems and compartmentalization leakage testing, as well as a prescriptive standard for energy/heat recovery ventilation systems with a fault indicatory display.
- Introduce prescriptive heat pump requirements for individual domestic water heating systems serving individual dwelling units in low rise multifamily buildings.
- Establish electric-ready requirements for multifamily domestic water heating systems.
- Simplify standards for multifamily buildings.
- Introduce options for improving efficiency of pool and spa water heating systems.
- Increase daylighting control requirements for nonresidential buildings.
- Increase efficiency standards for laboratories.
- Increase lighting efficiency requirements for controlled environment horticulture buildings.
- Increase efficiency requirements for nonresidential refrigeration systems.
- Establish industrial pipe insulation requirements.
- Establish electric-ready requirements for commercial kitchens.
- Relocate portions of the Alternative Calculation Method Approval Manual pertaining to the application, approval, updates, expiration, and decertification of third-party compliance software to Title 24, Part 1.

- Relocate field verification and diagnostic testing requirements from Title 20 to Title 24, Part 1.
- Make general improvements to the clarity and consistency of existing provisions.

These amendments are significant to the State of California in that they support State clean energy goals, policies, and legislation. These amendments will increase the deployment and grid benefits of on-site renewable energy generation, increase flexibility of energy demand, reduce carbon emissions from new buildings (building decarbonization), reduce growth in energy demand, and ensure that California buildings are as energy efficient as possible while also being technically feasible and cost-effective.