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Contact the Codes and Standards Reach Codes Team at [info@LocalEnergyCodes.com](mailto:info@LocalEnergyCodes.com) for additional information.

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# Pending and Proposed Changes to CALGreen, the Plumbing Code and the Energy Code

The California Building Standards Code (Title 24) is comprised of several “Parts”, including the Energy Code (Part 6), the Green Building Standards Code, or CALGreen (Part 11), and the Uniform Plumbing Code (Part 5). The entire code is normally updated every three years. The current code is the 2022 Code Cycle, effective January 1, 2023 through December 31, 2025.

CALGreen and the Uniform Plumbing Code have both been amended mid-cycle (or intervening cycle) effective July 1, 2024; these changes will flow down to local governments.

The State has also begun the preadoption phase for the 2025 Energy Code and Green Building Standards Code (CALGreen) and has issued a draft set of Express Terms (3/28/2024). These proposals may change.

The tables below provide high-level summaries of the adopted changes in CALGreen and the California Plumbing Code as well as the initial draft of proposed changes for the Energy Code. They are not comprehensive. Please refer to the source materials for details – [CALGreen Intervening Cycle](#), [Uniform Plumbing Code Intervening Cycle](#) and [2025 45-Day Energy Express Terms](#).

<b>Adopted Changes to Mandatory Provisions of CALGreen Intervening Cycle, effective July 1, 2024</b>				
<b>Occupancy</b>	<b>Event</b>	<b>Code Reference</b>	<b>Topic</b>	<b>Changes</b>
MF, Hotels & Motels	New	<a href="#">4.106.4</a>	EV Chargers	Increased requirements to 40% low-power level 2 receptacles plus 10% level 2 chargers. Specifies requirements for assigned spaces and minimum number of J1772 chargers.
NR	New	<a href="#">5.106.5</a>	EV Chargers	Extends off-street medium- and heavy-duty requirements to offices and manufacturing facilities. Requires at least 1 charger for facilities with less than 10 spaces. Specifies minimum number of J1772 chargers. Offers alternative compliance pathway – Power Allocation Method.
NR	Additions & Alterations	<a href="#">5.106.5</a>	EV Chargers	Extends requirements to certain additions and alterations.
NR	Both	<a href="#">5.409</a>	Lifecycle Assessment	Projects greater than 100,000 sf are required to demonstrate a 10% reduction in Global Warming Potential (GWP) using ISO methodology or install only products that meet prescriptive GWP standards. A&A projects may comply with 5.105 (deconstruction) instead.
NR	Additions & Alterations	<a href="#">5.105</a>	Deconstruction and Reuse	Projects greater than 100,000 sf are required to maintain 45% of existing primary structural elements or demonstrate 10% reduction in GWP (5.409) instead.

<b>Adopted Changes to the California Plumbing Code Intervening Cycle, effective July 1, 2024</b>				
<b>Occupancy</b>	<b>Event</b>	<b>Code Reference</b>	<b>Topic</b>	<b>Changes</b>
SF, MF	NA (voluntary, not a requirement)	<a href="#">610.5</a>	Reduced water pipe sizing	Allows voluntary use of the Peak Water Demand Calculation method for water pipe sizing, known as UPC Appendix M. The method allows for a reduction in pipe sizing for single family and multifamily dwellings.

**Proposed Electrification-Related Changes to 2025 Cycle of the Energy Code**  
**Highlights from 3/28/2024 [Express Terms, 45-day Language](#)**

*Note these have not been adopted and modifications are possible*

Occupancy	Event	Code Reference	Topic	Proposed Changes
SF	New	150.1(c)6, 150.1(c)8	Heat pumps	Both heating appliances (space and water) prescriptively required to be heat pumps in all climate zones. 2022 Code requires only one to be heat pump.
SF	New	150.1(c)14	PV	Prescriptive minimum system size varies based on HVAC system efficiency.
SF	Additions & Alterations	150.2(a)1D	Hot Water	For additions, any additional water heater is prescriptively required to be a heat pump.
MF	New	160.9	Electric Readiness	Electric readiness requirements added for in-unit and central hot water systems. Physical space and overall electrical capacity of the building must be sufficient to serve all-electric systems.
MF	New	170.2(d)	Hot water	Disallows gas instantaneous water heat as a prescriptive option for systems serving individual units in high-rise buildings 120V heat pumps allowed in 1 bedroom units in place of 240V units.
NR	New	140.4(a)3	Heating	Extends prescriptive heat pump space heating requirements to all office and school occupancies.
NR	Both	120.6(k)	Commercial Kitchen electric readiness	Commercial kitchens required to include 208V/50 amp circuit for “cookline appliances”.
NR	Additions & Alterations	141.0(b)2Cii	Heat pumps	Heat pumps prescriptively required for small packaged unit replacements in most climate zones. Alternatively, furnaces must meet additional efficiency requirements.
All	Both	Various	Misc.	Various changes

**Proposed Energy-Related Changes to 2025 Cycle of the Green Building Standards Code (CALGreen)  
Highlights from [Green Code Advisory Committee Meeting](#) presentation, March 18-19, 2024**

*Note these are proposed changes only and have not been adopted;  
modifications are possible*

<b>Occupancy</b>	<b>Event</b>	<b>Code Reference</b>	<b>Topic</b>	<b>Proposed Changes</b>
SF	New	A4.203.1.2	Tier 1 (voluntary) Performance Margins	Higher performance margins (0.18 to 2.7, depending upon climate zone)
SF	A&A	A4.204.1.1	Tier 1 (voluntary) Air Conditioner replacements	Prescriptive requirement for heat pump space heating when replacing an air conditioner. Standard air conditioners allowed with additional efficiency measures. Supplemental heating (only) may be provided by either existing or new gas furnace.
MF/NR	A&A	A4.204.1.2 A5.204.1.1	Tier 1 (voluntary) Pools and spas	Heat pump plus solar thermal with 60% recovery or gas system with 65% solar thermal.

#### Notes and Abbreviations

- Additions and alterations – Applies to certain additions and alterations
- New – Applies to newly constructed buildings
- Both – Applies to both newly constructed buildings as well as additions and alterations
- MF – Multifamily residential buildings
- NR – Nonresidential buildings
- SF – Single family buildings