### Minimum Requirements for Compliance

<table>
<thead>
<tr>
<th>Code</th>
<th>Policy Type</th>
<th>Most Recent Edition</th>
<th>Target</th>
<th>Climate Zones</th>
<th>SR</th>
<th>TE</th>
<th>SRI</th>
<th>Notes</th>
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#### California mandatory codes and standards

**California Building Energy Efficiency Standard (Title 24)**
- Building energy efficiency standard
- 2013: COM CA 1-16 0.63 0.75 75 Effective 1/1/2014
- RES CA 13,15 0.63 0.75 75
- COM CA 2-16 0.20 0.75 16
- RES CA 10-15 0.20 0.75 16
- 2008: COM CA 2-15 0.55 0.75 64 In effect through 12/31/2013
- RES CA 13,15 0.55 0.75 64
- COM CA 2-16 0.15 0.75 10
- RES CA 10-15 0.20 0.75 16 Roof product density<5 lbs/sf
- Roof product density≥5 lbs/sf

**California Green Building Standards Code (CALGreen)**
- Green building code*
- 2013: x CA 2, 4, 6-15 0.65 0.85 78 Tier 2 voluntary compliance above 2008 Title 24 mandatory requirements
- x CA 13,15 0.23 0.85 20
- x CA 1-9,16 0.15 0.75 10
- x CA 10-15 0.20 0.75 16 Tier 1 voluntary compliance is consistent with 2008 Title 24 mandatory requirements

#### National codes and standards that municipalities can adopt

**ASHRAE 90.1**
- Model code
- 2010: COM US 1-3 0.55 0.75 64

**ASHRAE 90.2**
- Model code
- 2007: RES US 1-3 0.65 0.70 75

**ASHRAE 189.1**
- Advanced model code
- 2011: COM US 1-3 0.65 0.75 78 ENERGY STAR criteria meet requirement
- COM US 1-3 0.55 0.75 29

**ENERGY STAR**
- Voluntary program
- 2012: x N/A 0.65 0.50
- x N/A 0.25 0.15

**International Energy Conservation Code (IECC)**
- Model code
- 2012: COM US 1-3 0.70 0.55 0.75 0.75 82 64

**International Green Construction Code (IGCC)**
- Advanced model code
- 2012: x US 1-3 0.55 0.75 60
- x US 1-3 0.30 0.75 25

**Leadership in Energy and Environmental Design (LEED)**
- Voluntary green building code*
- LEED V4 x N/A 82 64 Must cover 75% of non-vegetated roof area; new & existing construction
- x N/A 39 32

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**Key:** SR—solar reflectance; TE—thermal emittance; SRI—solar reflectance index; COM—applies to commercial buildings; RES—applies to residential buildings

* A green building code is a set of standards that specifies criteria for sustainable or high-performance building practice

^ A model code is a building code that is written by an independent standards organization to be adopted as mandatory by local governments or regional bodies

# An advanced model code is a model building code that specifies criteria for high-performance building practices