

2020 County of Los Angeles Green Building Standards Code and 2019 CALGreen Summary

The 2019 State of California Green Building Standards Code (2019 CALGreen) becomes effective January 1, 2020. This Code continues to regulate the construction of residential and non-residential buildings for the purpose of improving public health, safety and general welfare. This is accomplished by enhancing the design and construction of buildings to reduce their negative impact on the environment and encouraging sustainable construction practices in the following categories:

1. Planning and Design
2. Energy Efficiency
3. Water Efficiency
4. Material Conservation
5. Environmental Quality

The 2019 CALGreen is divided into two main parts: mandatory requirements and voluntary measures. The mandatory requirements as adopted by the State represent the minimum code requirements to be enforced as building standards. The voluntary measures were created to both provide a guide for designers to construct in a more sustainable manner, and to provide measures for local jurisdictions to adopt as mandatory at their discretion. The voluntary measures are guidelines to construct “CALGreen Tier 1” or “CALGreen Tier 2” buildings.

On January 1, 2020 the County of Los Angeles will be adopting amendments which will enact more stringent requirements than those required by the State. Included is a comparison of the 2019 CALGreen requirements and the 2020 County of Los Angeles amendments.

SCOPE

BUILDING TYPES COVERED	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
All newly constructed residential buildings, and additions and alterations to residential buildings that increase the building's conditioned area, volume, or size, shall comply with Chapter 4.	All newly constructed residential buildings 6 stories or less, and all additions and alterations to residential buildings, shall comply with Chapter 4. All newly constructed residential buildings 7 stories or greater shall comply with Chapters 5 and A5, where applicable.
All newly constructed non-residential buildings and additions/alterations to non-residential buildings (>\$200,000 or >1000 SF) shall comply with Chapter 5.	All newly constructed non-residential buildings and additions/alterations to non-residential buildings (>\$200,000/ >1000 SF) shall comply with Chapter 5. No amendments proposed.
Chapters A4 and A5 remain voluntary.	Newly constructed non-residential buildings that are 25,000 square feet or more shall comply with the CALGreen Tier 1 requirements in Chapter A5.* Newly constructed residential buildings 7 stories or more and greater than 25,000 square feet shall comply with CALGreen Tier 1 requirements in Chapter A5.*

**Tier 1 requirements are outlined below.*

RESIDENTIAL MANDATORY MEASURES

<u>PLANNING AND DESIGN</u>	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Storm water drainage and retention during construction shall be managed to prevent flooding and erosion.	LA County will continue to enforce its BMP requirements regarding storm water drainage, retention and management.
Post development grading and paving shall manage surface waters.	Require compliance with Title 12 of the County Code of Regulations Low Impact Development (LID) and the County's updated MS4 permit.
Electric vehicle charging infrastructure shall be provided for new residential construction.	<p>New one-and two-family dwellings – infrastructure and complete branch circuit for EV charging equipment to be installed</p> <p>New multifamily dwellings – 35% of total parking as follows: 25% of total parking require infrastructure for future EV charging equipment to be installed, and 10% of total parking shall have infrastructure and the EV charging station installed.</p> <p>Hotels and motels - 30% of total parking as follows: 25% of total parking require infrastructure for future EV charging equipment to be installed, and 5% of total parking shall have infrastructure and the EV charging station installed. Required EVCS shall be Level 2 or Level 3 (DC Fast Charge)</p>
Cool Roof – All requirements are voluntary, unless required by the 2019 Energy Efficiency Standards.	Tier 2-level cool roof required for all new roofing material.

<u>ENERGY EFFICIENCY</u>	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Compliance with the newly adopted 2019 Energy Efficiency Standards.	<p>Compliance with the newly adopted 2019 Energy Efficiency Standards.</p> <p>No amendments proposed.</p>

WATER EFFICIENCY AND CONSERVATION

2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Water conserving plumbing fixtures and fittings shall be installed. Kitchen faucet flow rate shall not exceed 1.8 gallons per minute.	Water conserving plumbing fixtures and fittings shall be installed. Kitchen faucet flow rate shall not exceed 1.5 gallons per minute.
Landscape area greater than 500 square feet shall comply with the State Model Water Efficient Landscape Ordinance (MWELO).	Landscape area greater than 500 square feet shall comply with the State Model Water Efficient Landscape Ordinance (MWELO). No amendments proposed.

MATERIAL CONSERVATION

2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Divert 65 percent of construction and demolition debris from landfills.	Divert 65 percent of construction and demolition debris from landfills. No amendments proposed.

ENVIRONMENTAL QUALITY

2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
No significant changes to existing requirements.	No amendments proposed.

NON-RESIDENTIAL MANDATORY MEASURES

<u>PLANNING AND DESIGN</u>	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Storm water drainage and retention during construction shall be managed to prevent flooding and erosion.	LA County will continue to enforce its BMP requirements regarding storm water drainage, retention and management.
Post development grading and paving shall manage surface waters.	Require compliance with Title 12 of the County Code of Regulations Low Impact Development (LID) and the County's updated MS4 permit.
Electric vehicle charging infrastructure shall be provided for new construction.	New construction - 30% of total parking as follows: 25% of total parking require infrastructure for future EV charging equipment to be installed, and 5% of total parking shall have infrastructure and the EV charging station installed. Required EVCS shall be Level 2 or Level 3 (DC Fast Charge).
Cool Roof – All requirements are voluntary, unless required by the 2019 Energy Efficiency Standards.	Tier 2-level cool roof required for all new roofing material.

<u>ENERGY EFFICIENCY</u>	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Compliance with the newly adopted 2019 Energy Efficiency Standards.	Compliance with the newly adopted 2019 Energy Efficiency Standards. No amendments proposed.

<u>WATER EFFICIENCY AND CONSERVATION</u>	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Water conserving plumbing fixtures and fittings shall be installed.	Water conserving plumbing fixtures and fittings shall be installed. No amendments proposed.
Landscape area greater than 500 square feet shall comply with the State Model Water Efficient Landscape Ordinance (MWELo).	Landscapes above the State threshold shall comply with MWELo. No amendments proposed.

<u>MATERIAL CONSERVATION</u>	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
Divert 65 percent of construction and demolition debris from landfills.	Divert 65 percent of construction and demolition debris from landfills. No amendments proposed

ENVIRONMENTAL QUALITY

2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
No significant changes to existing requirements.	No amendments proposed.

TIER 1 REQUIREMENTS

BUILDING TYPES COVERED	
2019 CALGreen	2020 County of Los Angeles Green Building Standards Code
<u>Division A5.1</u> Remains voluntary.	<u>Division A5.1</u> 10 percent of the parking to be designated as fuel efficient. Comply with one additional measure from Division A5.1.
<u>Division A5.2</u> Remains voluntary.	<u>Division A5.2</u> Remains voluntary.
<u>Division A5.3</u> Remains voluntary.	<u>Division A5.3</u> Indoor potable water usage to be reduced by 12 percent. Comply with one additional measure from Division A5.3.
<u>Division A5.4</u> Remains voluntary.	<u>Division A5.4</u> Materials shall have a 10 percent recycled content based on the value of all installed materials. Comply with one additional measure from Division A5.4.
<u>Division A5.5</u> Remains voluntary.	<u>Division A5.5</u> 90 percent of resilient flooring to be low-VOC. All thermal insulation shall be low-VOC Comply with one additional measure from Division A5.5.
<u>Division A5.6</u> Remains voluntary.	<u>Division A5.6</u> Comply with one additional measure from any Division.