



CITY OF COLTON  
DEVELOPMENT SERVICES DEPARTMENT  
BUILDING AND SAFETY DIVISION  
659 NORTH LA CADENA DRIVE  
COLTON, CALIFORNIA 92324  
(909) 370-5079  
7:30 a.m. to 5:00 p.m. Monday – Thursday

## **GREEN BUILDING CODE REQUIREMENTS**

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The following information details the requirements of the 2016 California Green Building Code and how they apply to residential projects within the City of Colton.

The new mandatory code requirements apply to all new residential construction submitted after January 1, 2017.

### **MANDATORY MEASURES**

#### **Site Development**

- Storm water management during construction shall be detailed on the plan.
- Site plan shall indicate and detail how the surface water drainage and method of keeping surface water away from the building.
- Electric vehicle (EV) charging for new construction; to facilitate future installation and use of EV chargers. [ 2016 CGC, Section 4.106.4]

#### **Water Efficiency and Conservation**

- Indoor water use shall be reduced using one of the following methods:
  - Water Closets: Flush volume not to exceed 1.28 gallons per flush
  - Urinals: The effective flush volume shall not exceed 0.125 gallons pre flush.
  - Showerheads:
    - Single; shall have maximum flow rate of not more than 2.0 gallons per minute.
    - Multiple; the combined flow rate shall not exceed 2.0 gallons per minute at 80 psi.
  - Faucets; The maximum flow rate shall not exceed 1.2 gallons per minute.
  - Metering faucets: Shall not deliver more than 0.25 gallons per cycle.
  - Kitchen Faucets; Maximum flow rate shall not exceed 1.8 gallons per minute.
    - \*see 2016 CGC, Section 4.303 for water pressure requirements.

#### **Outdoor Water Use**

- New residential development with an aggregate area equal to or greater than 500 square feet shall comply with the following:
  1. A water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO) whoever is more stringent; or
  2. Projects with aggregate landscape areas less than 2,500 square feet may comply with the MWELO's Appendix D Prescriptive Compliance Option.

#### **Material Conservation and Resource Efficiency**

- Enhanced durability and reduce maintenance
  - Rodent Proofing; Annular Spaces around pipes, electric cables, conduits, or other openings in sole plate plates at exterior walls shall be protected against the passage of rodents by closing such openings.

## **Construction Waste Reduction, Disposal and Recycling**

- The City of Colton currently has a compliant construction and waste recycling program. All permits are subject to that program. Recycle and or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste.

## **Building Maintenance and Operation**

- An operation and maintenance manual shall be provided to the building occupant or owner at final inspection.

## **Environmental Quality**

- Any installed gas fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with US EPA Phase II emission limits where applicable.

## **Pollution Control**

- Duct openings and other related air distribution components opening shall be covered during construction.
- Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.
- Paint, stains and other coatings shall be compliant with VOC limits.
- Aerosol paints and coatings shall be compliant with product weighted MIR limits for VOC and other toxic compounds.
- Documentation shall be provided to verify compliant VOC limit finish materials have been used.
- Carpet and carpet systems shall be compliant with VOC limits.
- 50% of the floor area receiving resilient floorings shall comply with the VOC emission limits defined in the Collaborative for High Performance Schools (CHPS) low-emitting materials list or be certified under the Resilient Floor Covering Institute (RFCI) Floor Score program.
- Particleboard, Medium density fiberboard (MDF) and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.

## **Interior Moisture Control**

- Vapor retarder and capillary break is required to be installed at the slab on grade foundations.
- Moisture content of building materials used in walls and floor framing is to be checked for the minimum requirements before enclosure.

## **Indoor Air Quality and Exhaust**

- Bathroom Exhaust Fans; Each bathroom shall be mechanically ventilated:
  1. Fans shall be ENERGY STAR compliant and be ducted to terminate outside the building.
  2. Must be controlled by a humidity control.
    - See 2016 CGC, Section 4.506 for additional Requirements.

## **Environmental Comfort**

- Heating and air-conditioned system shall be sized, designed and have their equipment selected using the following methods:
  1. Establish heat loss and heat gain values according to ANSI/ACCA 2 Manual J or equivalent.
  2. Size duct systems according to ANSI/ACCA 1 Manual D or equivalent.
  3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S or equivalent.

## **Installer and Special Inspector Qualifications**

- HVAC system installers are to be trained and certified in the proper installation of HVAC systems.
- Verification of compliance with this code may include construction documents, plans, specifications, builder or installed certifications, inspection reports, or other methods acceptable to the enforcing agency.

## **VOLUNTARY MEASURES**

All other components of the California Green Building Codes are voluntary and may be incorporated into the building design subject of the approval of the Building Official.

All elements of the 2016 California Energy Efficiency Standards apply. When an element is listed in both the Green Building Standards and the Energy Efficiency Standards the most restrictive measure shall apply.

Modifications of this standard by means of an alternate material or method is reviewed on a case by case basis and request for modifications shall be in writing and accompany a completed request and justification for modifications application.