



City of Atascadero Community Development Department

PUBLIC INFORMATION - BUILDING SERVICES

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2013 CALIFORNIA GREEN BUILDING STANDARDS CODE (CalGreen Code) MANDATORY MEASURES

These 2013 California Green Building Standards Code Residential Occupancies Mandatory Measures apply to the planning, design, operation, construction, use and occupancy of every newly constructed building or structure, unless otherwise indicated in the California Green Building Standards Code, throughout the State of California.

Including this list as a part of residential project plans will demonstrate 2013 CalGreen Code Compliance for the City of Atascadero.

This list does not include Tier 1 and Tier 2 voluntary measures, not currently required by the City of Atascadero.

General

- 4.201.1 Scope.** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.

Indoor Water Use

4.303.1 Water conserving plumbing fixtures and fittings.

Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. The effective flush volume of dual flush toilets is defined as the composite average of two reduced flushes and one full flush.

Showerheads. Showerheads shall have a maximum flow rate of not more than 2.0 gallons at 80 psi. When a shower is served by more than one showerhead, the combined flow of all showerheads and/or other shower outlets shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.

Residential lavatory faucets. The maximum flow rate of residential lavatory faucets shall not exceed 1.5 gallons per minute at 60 psi.

Kitchen faucets. The maximum flow rate of kitchen faucets shall not exceed 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

Outdoor Water Use

- 4.304.1 Irrigation controllers.** Automatic irrigation systems controllers installed at the time of final inspection shall be weather or soil moisture-based.

Enhanced Durability and Reduced Maintenance

- 4.406.1 Rodent proofing.** Annular spaces around pipes, electric cables, conduits or other openings in plates at exterior walls, shall be protected against the passage of rodents by

closing such openings with cement mortar, concrete masonry or similar method acceptable to the enforcing agency.

Construction Waste Reduction, Disposal and Recycling

4.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 50% of the nonhazardous construction and demolition waste. Provide a construction waste management plan consistent with Sections 4.408.1, 4.408.3 or 4.408.4 or complete the City of Atascadero Construction Waste Management Plan and select either option one to utilize IWMA Certified Facilities and roll-off providers or option two to utilize the City's worksheet to manage your own construction and demolition waste materials.

Building Maintenance and Operation

4.410.1 Operation and maintenance manual. An operation and maintenance manual shall be provided to the building occupant or owner.

Fireplaces

4.503.1 General. Any 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.

Pollutant Control

4.504.1 Covering of duct openings and protection of equipment during construction. Duct openings and other related air distribution component openings shall be covered during construction.

4.504.2.1 Adhesives, sealants and caulks. Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.

4.504.2.2 Paints and coatings. Paints, stains and other coatings shall be compliant with VOC limits as shown in Table 4.504.3

4.504.2.3 Aerosol paints and coatings. Aerosol paints and coatings shall be compliant with products weighted MIR limits for ROC and other toxic compounds.

4.504.2.4 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency.

4.504.3 Carpet systems. All carpet installed in the building interior shall meet the requirements of one of the following; Carpet and Rug Institute's Green Label Plus Program; California Department of Public Health Specification 01350; NSF/ANSI 140 at the Gold level; Scientific Certification Systems Indoor Advantage Gold.

4.504.4 Resilient flooring systems. At least 80% of the floor area receiving resilient flooring shall comply with one or more of the following: California Department of Public Health Specification 01350; UL Greenguard Gold certification; certification by the Resilient Flooring Institute FloorScore program.

4.504.5 Composite wood products. Particleboard, medium density fiberboard (MDF) and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.

Interior Moisture Control

4.505.2 Concrete slab foundations. Vapor retarder and capillary break is installed at slab on grade foundation.

4.505.3 Moisture content of building materials. Moisture content of building materials used in wall and floor framing is checked before enclosure and not to exceed 19% 2-4' from the grade stamped end each piece to be verified.

Indoor Air Quality and Exhaust

4.506.1 Bathroom exhaust fans. Each bathroom containing a bathtub, shower, or tub/shower combination shall be mechanically ventilated with an Energy Star compliant fan and ducted to the outside. Unless functioning as a part of the whole house ventilating system in accordance with the requirements California Energy Code Section 150.0(o) fans must be controlled by a humidity control capable of adjustment from 50-80% relative humidity.

Environmental Comfort

4.507.2 Heating and air-conditioning design. Heating and air-conditioning systems shall be sized, designed and have their equipment selected using ANSI/ACCA manuals, ASHRAE handbooks or other equivalent design software or methods.