

# City of Vallejo Building Division

## 2016 CALIFORNIA CODES



## CALIFORNIA GREEN BUILDING STANDARDS SIGNIFICANT CHANGES

## EFFECTIVE JANUARY 1, 2017

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**Recycling By Occupants** - Section 4.410.2, Where 5 or more multi-family dwellings units are constructed on a building site, provide readily accessible area(s) that serves all buildings on the site and is identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at minimum) paper, corrugated cardboard, glass, plastic, organic waste, and metals, or meet a lawfully enacted local recycling ordinance, if more restrictive.

**Exception:** Rural jurisdictions that meet and apply for the exemption in Public Resources Code Section 42649.82 (a)(A) et. Seq. are not required to comply with the organic waste portion of this section.

### Division 4.5 – Environmental Quality:

**Fireplaces** – Section 4.503.1, Any installed fireplace shall be a direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. Woodstoves, pellet stoves and fireplaces shall also comply with applicable local ordinance.

### Chapter 5 – Non-Residential Mandatory Measures

#### Division 5.1 – Planning And Design:

**EV Charging Space Calculation - Table 5.106.5.3.3,** Has been revised.

Total Number Of Actual Parking Spaces	Number of Required EV Charging Spaces
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 and over	6 percent of total <sup>1</sup>

<sup>1</sup> Calculation for spaces shall be rounded up to the nearest whole number

### Division 5.3 – Water Efficiency And Conservation:

**Indoor Water Use** – Section 5.303.4 Commercial Kitchen Equipment. New Section: **Food waste disposers** – Section 5.303.4.1, Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.

### Division 5.4 – Material Conservation And Resource Efficiency:

**Construction Waste Reduction, Disposal And Recycling,** Section 5.408.2 Universal Waste, New Section: Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for non-residential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents. Refer to the Universal Waste Rule link at: [http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A\\_REGS\\_UWR\\_FinalText.pdf](http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEAR-A_REGS_UWR_FinalText.pdf)

**Building Maintenance and Operation:** Section 5.410.2 Commissioning – All occupancies other than I-occupancies and L-occupancies shall comply with the California Energy Code as prescribed in California Energy Code Section 120.8. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated by the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

**If you have any questions or would like more information regarding the new and updated material contact the Building Division at (707) 648-4374 or visit us at [www.ci.vallejo.ca.us](http://www.ci.vallejo.ca.us).**

## Chapter 2 – Added Definitions

**Electric Vehicle (EV) Charger:** Off-board charging equipment used to charge an electric vehicle.

**Electric Vehicle Charging Space (EV Space):** A space intended for future installation of EV charging equipment and charging of electric vehicles.

**Electric Vehicle Charging Station (EVCS):** One or more electric vehicle charging spaces served by electric vehicle charge(s) or other charging equipment allowing charging of electric vehicles. Electric vehicle charging stations are not considered parking spaces.

**Hot Water Recirculation System:** A hot water distribution system that reduces the time needed to deliver hot water to fixtures that are distant from the water heater, boiler or other water heating equipment. The recirculation system is comprised of hot water supply and return piping with shutoff valves, balancing valves, circulating pumps, and a method of controlling the circulating system.

**Metering Faucet:** A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

**Model Water Efficient Landscape Ordinance (MELO):** A California regulation commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code Of Regulations. The MWELo regulation establishes a structure for planning, designing, installing, maintaining and managing water efficient landscaping in new construction and rehabilitated projects.

**Post-consumer Content:** Waste material generated by consumers after it is used and which would otherwise be discharged.

**Pre-consumer or Post-industrial:** Materials diverted from the waste stream during one manufacturing process, including scraps, damaged goods, and excess production that is used in another manufacturing process.

**Universal Waste:** The wastes listed below are subject to regulation pursuant to Chapter 23 of Title 22, California Code of Regulations, and shall be known as “Universal Wastes”.

1. **Batteries, as described in Title 22 CCR, Section 66273.2, Subsection (a).**
2. **Electronic devices, as describe Title 22 CCR, Section 66273.3, Subsection (a).**
3. **Mercury-containing equipment, Title 22 CCR, Section 66273.4, Subsection (a).**
4. **Lamps, Title 22 CCR, Section 66273.5, Subsection (a).**
5. **Cathode ray tubes, Title 22 CCR, Section 66273.6, Subsection (a).**
6. **Cathode ray tube glass, Title 22 CCR, Section 66273.7, Subsection (a).**
7. **Aerosol cans, as specified in Health and Safety Code, Section 25201.16.**

## Chapter 3 – Green Building

**Section 301.3.2 - Waste diversion:** The requirements of Section 5.408 Construction Waste Reduction, Disposal and Recycling shall be required for additions and alterations whenever a permit is required for work.

## Chapter 4 – Residential Mandatory Measures

### Division 4.1 – Planning And Design:

**Electric Vehicle Charging Stations For New Multi-Family Dwellings:**

**Electric Vehicle Charging Stations (EVCS)** Section 4.106.4.2 New Multi-Family Dwellings, future electric vehicle charging stations do not have to be identified on construction documents.

**Electric Vehicle Charging Stations (EVCS)** Sections 4.106 **New Multi-Family Dwellings**, the Electric Vehicle Charging Station (EVCS) has been deleted and replaced with Spaces.

## Division 4.3 - Water Efficiency and Conservation:

**Indoor Water Use** Section 4.303.2, Standards for plumbing fixtures and fittings shall be installed in accordance with The California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code.

## Division 4.4 - Material Conservation and Resource Efficiency:

**Construction Waste Management** Section 4.408.1, Recycle, and/or salvage for reuse has been increased from 50 percent to 65 percent of the non-hazardous construction and demolition waste, or meet a more stringent local construction and demolition waste management ordinance.

**Waste Stream Reduction Alternative – [LR] Low Rise 3 Stories or Less** - Section 4.408.4, Projects that generate a total combined weight of construction and demolition waste disposed in landfills, has been reduced from 4 pounds per square foot to not to exceed 3.4 pounds of building area, and shall meet the minimum 65 percent construction waste reduction requirements.

**Waste Stream Reduction Alternative – [HR] High Rise 4 Stories or More** - Section 4.408.4.1, Projects that generate a total combined weight of construction and demolition waste disposed in landfills, which do not exceed 2 pounds of building area, has been increased from a minimum of 50 percent to a minimum 65 percent construction waste reduction requirements in Section 4.408.1.

**Building Maintenance and Operation:** Section 4.410.1, #2 a. Operation and Maintenance Manual - Equipment and appliance, including water saving devices and systems, HVAC systems, photovoltaic systems, electric vehicle chargers, water heating systems and other major appliances and equipment.