



PURPOSE:

The non-residential provisions of the 2013 CalGreen Code outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties; establishes the means of conserving water used indoors, outdoors and in wastewater conveyance; outlines means of achieving material conservation and resource efficiency; and outlines means of reducing the quantity of air contaminants.

Project Name: _____

Project Address: _____

Project Description: _____

Instructions:

1. The Owner or the Owner’s agent shall employ a licensed professional experienced with the 2013 California Green Building Standards Codes to verify and assure that all required work described herein is properly planned and implemented in the project.
2. The licensed professional, in collaboration with the owner and the design professional shall initial **Column 2** of this checklist, sign and date **Section 1 - Design Verification** at the end of this checklist and have the checklist printed on the approved plans for the project.
3. Prior to final inspection by the Building Department, the licensed professional shall complete **Column 3** and sign and date **Section 2 - Implementation Verification** at the end of this checklist and submit the completed form to the Building Inspector.

MANDATORY FEATURE OR MEASURE	Column 2	Column 3
	Project Requirements	Verification
CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES		
General Requirements		
The project meets all the requirements of Divisions 5.101 through 5.508.	<input type="checkbox"/>	<input type="checkbox"/>
Division 5.1 PLANNING AND DESIGN		
Planning and Design - Site Development		
5.106.1 Storm water pollution prevention. For projects of one acre or less, develop a Storm Water Pollution Prevention Plan (SWPPP) that has been designed, specific to its site, conforming to the State Storm water NPDES Construction Permit or local ordinance, whichever is stricter, as is required for projects over one acre. The plan should cover prevention of soil loss by storm	<input type="checkbox"/>	<input type="checkbox"/>

water run-off and/or wind erosion, of sedimentation and/or of dust/particulate matter air pollution.		
5.106.4 Bicycle parking. Comply with Sections 5.106.4.1 and 5.106.4.2; or meet local ordinance, whichever is stricter.	<input type="checkbox"/>	<input type="checkbox"/>
5.106.4.1.1 Short-Term bicycle parking. If the qualified project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.	<input type="checkbox"/>	<input type="checkbox"/>
5.106.4.1.2 Long-Term bicycle parking. For qualified buildings with over 10 tenant-occupants, provide secure bicycle parking for 5 percent of tenant vehicle parking spaces being added, with a minimum of one space.	<input type="checkbox"/>	<input type="checkbox"/>
5.106.5.2 Designated parking. Provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2.	<input type="checkbox"/>	<input type="checkbox"/>
5.106.8 Light pollution reduction. Outdoor lighting systems shall be designed and installed to comply with the following:	<input type="checkbox"/>	<input type="checkbox"/>
1. The minimum requirements in the <i>California Energy Code</i> for lighting zones 1 – 4 as defined in Chapter 10 of the <i>California Administrative Code</i> ; and	<input type="checkbox"/>	<input type="checkbox"/>
2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and	<input type="checkbox"/>	<input type="checkbox"/>
3. Allowable BUG rating not exceeding those shown in Table 5.106.8, or	<input type="checkbox"/>	<input type="checkbox"/>
Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.		
5.106.10 Grading and paving. The site shall be planned and developed to keep surface water away from buildings. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows.	<input type="checkbox"/>	<input type="checkbox"/>

Division 5.2 ENERGY EFFICIENCY

Performance Requirements

5.201.1 Scope. The California Energy Commission will continue to adopt mandatory building standards.	<input type="checkbox"/>	<input type="checkbox"/>
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Division 5.3 WATER EFFICIENCY AND CONSERVATION

Indoor Water Use

5.303.1 Meters. Separate meters shall be installed for the uses described in Sections 503.1.1 and 503.1.2.		
5.303.1.1 New building or additions in excess of 50,000 square feet. Separate submeters shall be installed as follows:	<input type="checkbox"/>	<input type="checkbox"/>
1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day.	<input type="checkbox"/>	<input type="checkbox"/>
2. Where separate submeters are unfeasible, for water supplied to the following systems:		
a. Makeup water for cooling towers where flow through is greater than 500 gpm.	<input type="checkbox"/>	<input type="checkbox"/>

<p>b. Makeup water for evaporative coolers greater than 6 gpm. c. Steam and hot-water boilers with energy input > 500,000 Btu/h.</p> <p>5.303.1.2 Excess consumption. A separate submeter shall be provided for any tenant within a new building or within an addition that is projected to consume > 1,000 gal/day.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.303.2 Water reduction. Plumbing fixtures shall meet the maximum flow rate values shown in Table 5.303.2.3.</p> <p>Exception: Building that demonstrate 20-percent overall water use reduction.</p> <p>5.303.2.1 Areas of addition or alteration. For those occupancies within the authority of the California Building Standards Commission, as specified in Section 103, the provisions of Section 5.303.2 and Section 5.303.3 shall apply to new fixtures in additions or areas of alterations to the buildings.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.303.4 Wastewater reduction. Each building shall reduce by 20 percent wastewater by one of the following methods:</p> <ol style="list-style-type: none"> 1. The installation of water-conserving fixtures or 2. Utilizing non-potable water systems. 	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
<p>5.303.6 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code (CPC), and shall meet the applicable standards referenced in CPC Table 1401.1 and CalGreen Chapter 6.</p>	<input type="checkbox"/>	<input type="checkbox"/>
Outdoor Water Use		
<p>5.304.1 Water budget. A water budget shall be developed for landscape irrigation use.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.304.2 Outdoor potable water use. For new water service or for addition or alteration requiring upgraded water service for landscaped areas of at least 1,000 sq.ft. but not more than 5,000 sq.ft., separate submeters or metering devices shall be installed for outdoor potable water use.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.304.3 Irrigation design. In new nonresidential construction or building addition or alteration with at least 1,000 but not more than 2,500 sq.ft. of cumulative landscaped area, install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations.</p> <p>5.304.3.1 Irrigation controllers. Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:</p> <ol style="list-style-type: none"> 1. Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change. 2. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input. 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Weather Resistance and Moisture Management		
<p>5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by <i>California Building Code</i> Section 1403.2 and <i>California Energy Code</i> Section 150, manufacturer's installation instructions or local ordinance, whichever is more stringent.¹</p>	<input type="checkbox"/>	<input type="checkbox"/>

<p>5.407.2 Moisture control. Employ moisture control measures by the following methods;</p> <p>5.407.2.1 Sprinklers. Prevent irrigation spray on structures.</p> <p>5.407.2.2 Entries and openings. Design exterior entries and/or openings to prevent water intrusion into buildings.</p> <p>5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 ft around and perpendicular to such openings plus at least one of the following:</p> <ol style="list-style-type: none"> 1. An installed awning at least 4 ft in depth. 2. The door is protected by a roof overhang at least 4 ft in depth. 3. The door is recessed at least 4 ft. 4. Other methods which provide equivalent protection. <p>5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Construction Waste Reduction, Disposal and Recycling		
<p>5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 50 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.</p> <p>5.408.1.1 Construction waste management plan. Submit plan per this section to enforcement authority.</p> <p>5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with CalGreen Section 5.408.</p> <p>5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 50 percent minimum requirement as approved by the enforcing agency.</p> <p>5.408.1.4 Documentation. Provide documentation of the waste management plan that meets the requirements listed in Section 5.408.1.1 through 5.408.1.3.</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<p>5.408.3 Excavated soil and land clearing debris. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled.</p>	<input type="checkbox"/>	<input type="checkbox"/>
Building Maintenance and Operation		
<p>5.410.1 Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of nonhazardous materials for recycling.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.410.2 Commissioning. For new buildings 10,000 square feet and over, building commissioning for all building systems covered by T24, Part 6, process systems and renewable energy systems shall be included in the design and construction processes of the building project. Commissioning requirements shall include items listed in Section 5.410.2.</p>	<input type="checkbox"/>	<input type="checkbox"/>

Fireplaces		
<p>5.503.1 Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace or a sealed woodstove and refer to residential requirements in the <i>California Energy Code</i>, Title 24, Part 6, Subchapter 7, Section 150.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.503.1.1 Woodstoves. Woodstoves shall comply with US EPA Phase II emission limits.</p>	<input type="checkbox"/>	<input type="checkbox"/>
Pollutant Control		
<p>5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation or during storage on the construction site and until final startup of the heating and cooling equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust or debris which may collect in the system.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.</p> <p>5.504.4.1 Adhesives, sealants, caulks. Adhesives and sealants used on the project shall meet the requirements of the following standards.</p> <p>1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2.</p> <p>2. Aerosol adhesives and smaller unit sizes of adhesives and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of <i>California Code of Regulations</i>, Title 17, commencing with Section 94507.</p> <p>5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with Table 5.504.4.3 unless more stringent local limits apply.</p> <p>5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the Product-Weighted MIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances (CCR, Title 17, Section 94520 et seq).</p> <p>5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency.</p> <p>5.504.4.4 Carpet systems. All carpet installed in the building interior shall meet the testing and product requirements of at least one of the standards listed in Section 5.504.4.4.</p> <p>5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.</p>	<input type="checkbox"/>	<input type="checkbox"/>

Outdoor Air Quality

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC and refrigeration equipment that does not contain CFCs.

5.508.1.2 Halons. Install fire suppression equipment that does not contain Halons.



CALGREEN SIGNATURE DECLARATIONS

Project Name: _____

Project Address: _____

Project Description: _____

SECTION 1 – DESIGN VERIFICATION

Complete all lines of Section 1 – “Design Verification” and submit the completed checklist (Columns 1 and 2) with the plans and building permit application to the Building Department.

The owner and design professional responsible for compliance with CalGreen Standards have revised the plans and certify that the items checked above are hereby incorporated into the project plans and will be implemented into the project in accordance with the requirements set forth in the 2013 California Green Building Standards Code as adopted by the City of Rocklin.

Owner's Signature	Date
Owner's Name (Please Print)	
Design Professional's Signature	Date
Design Professional's Name (Please Print)	
Signature of License Professional responsible for CalGreen compliance	Date
Name of License Professional responsible for CalGreen compliance (Please Print)	Phone
Email Address for License Professional responsible for CalGreen compliance	

SECTION 2 – IMPLEMENTATION VERIFICATION

Complete, sign and submit the completed checklist, including column 3, together with all original signatures on Section 2 to the Building Department prior to Building Department final inspection.

I have inspected the work and have received sufficient documentation to verify and certify that the project identified above was constructed in accordance with this Green Building Checklist and in accordance with the requirements of the 2013 California Green Building Standards Code as adopted by the City of Rocklin.

Signature of License Professional responsible for CalGreen compliance	Date
Name of License Professional responsible for CalGreen compliance (Please Print)	Phone
Email Address for License Professional responsible for CalGreen compliance	