

## CALGreen VERIFICATION GUIDELINES

### TIER 1 CHECKLIST

**Application:** This checklist shall be used for nonresidential projects that meet the following: new construction, or building additions of 1,000 sq. ft. or greater, or building alterations with a permit valuation of \$200,000 or more pursuant to CALGreen Section 5.301.3, AND are adopting Tier 1 voluntary measures.

*Note: All applicable mandatory requirements in chapter 5 shall be met prior to applying Tier 1 voluntary measures.*

**Instructions:**

Comply with all Tier 1 (prerequisite) measures from the various categories shown on the table below.

Add a “Y” to all Mandatory and Tier 1 mandatory provisions in the appropriate columns.

Select the required number of additional electives from those categories shown on the table below and add a “Y” on the selected elective and add an “N” on the rest.

Count the total number of Tier 1 (prerequisite) measures plus the additional electives and write down the total number at the end of the checklist. Determine if the required number of Tier 1 measures have been selected to achieve Tier 1 compliance.

Y = Yes (section has been selected and/or included)

N = No (section has not been selected and/or included)

O = Other (provide explanation)

[N] = New construction pursuant to Section 301.3

[A] = Additions and/or alterations pursuant to Section 301.3

CHAPTER 5 DIVISIONS		SECTION TITLE	CODE SECTION	Y	N	O	Plan sheet, Spec or Attach Reference
<b>DIVISION 5.1 Planning and Design</b>	Mandatory	Storm Water Pollution Prevention for projects that disturb less than 1 acre of land	5.106.1 Through 5.106.1.2				
	Mandatory	Short Term Bicycle Parking (with exceptions)	5.106.4.1.1				
	Mandatory	Long Term Bicycle Parking	5.106.4.1.2 Through 5.106.4.1.5				
	Mandatory	Designated Parking for clean air vehicles	5.106.5.2				
	<i>Tier 1 Prerequisite</i>	<i>Designated Parking - 10% of Parking Capacity w/ parking stall markings and stall identification</i>	<i>A5.106.5.1 A5.106.5.1.1 A5.106.5.1.3 A5.106.5.1.4</i>				
	Mandatory	Parking stall marking	5.106.5.2.1				
	Mandatory	Single (EV) Charging space requirements	5.106.5.3.1				
	Mandatory	Multiple (EV) Charging space requirements[N]	5.106.5.3.2				
	<i>Tier 1 Prerequisite</i>	<i>Electric Vehicle (EV) Charging [N] w/ associated electrical panel Identification and designated parking allowance</i>	<i>A5.106.5.3 A5.106.5.3.1 A5.106.5.3.3 A5.106.5.3.4</i>				
	Mandatory	EV charging space calculation [N] (with exceptions)	5.106.5.3.3				
	Mandatory	[N] Identification	5.106.5.3.4				
	Mandatory	[N] Future charging spaces (with notes 1-3)	5.106.5.3.5				
	Mandatory	Light Pollution Reduction [N] (exceptions and note)	5.106.8				
	Mandatory	Grading and Paving, w/exception for Additions and Alterations not altering the drainage path	5.106.10				
	<i>Tier 1 Prerequisite</i>	<i>Cool Roof (Table A5.106.11.2.2): SRI 75 when &lt; or = 2:12, SRI 16 when &gt;2:12</i>	<i>A5.106.11.2</i>				

<b>SELECT ONE ELECTIVE</b>	<i>Elective</i>	<i>Community Connectivity</i>	<i>A5.103.1</i>				
	<i>Elective</i>	<i>Brownfield or Greyfield site redevelopment or infill area development.</i>	<i>A5.103.2 A5.103.2.1</i>				
	<i>Elective</i>	<i>Reduce development footprint and optimize open space.</i>	<i>A5.104.1 A5.104.1.1 A5.104.1.2 A5.104.1.3</i>				
	<i>Elective</i>	<i>Disassemble and Reuse Existing Building Structure (70%) with exceptions</i>	<i>A5.105.1.1</i>				
	<i>Elective</i>	<i>Disassemble and Reuse Existing Non-Structure elements (50%) with exceptions</i>	<i>A5.105.1.2</i>				
	<i>Elective</i>	<i>Salvage</i>	<i>A5.105.1.3</i>				
	<i>Elective</i>	<i>Storm Water Design</i>	<i>A5.106.2 A5.106.2.1 A5.106.2.2</i>				
	<i>Elective</i>	<i>Low Impact Development (LID)</i>	<i>A5.106.3 A5.106.3.1 A5.106.3.2</i>				
	<i>Elective</i>	<i>Changing rooms w/ note</i>	<i>A5.106.4.3</i>				
	<i>Elective</i>	<i>Parking capacity w/ reduced parking capacity option</i>	<i>A5.106.6 A5.106.6.1</i>				
	<i>Elective</i>	<i>Exterior wall shading w/ fenestration and/or opaque wall areas option</i>	<i>A5.106.7 A5.106.7.1 A5.106.7.2</i>				
<i>Elective</i>	<i>Heat island Effect</i>	<i>A5.106.11</i>					
<b>DIVISION 5.2 Energy Efficiency</b>	Mandatory	Meet the minimum Energy Efficiency Standard	5.201.1				
	<i>Tier 1 Prerequisite</i>	<i>Energy Performance Outdoor lighting power 90% of Part 6</i>	<i>A5.203.1.1.1</i>				
	<i>Tier 1 Prerequisite</i>	<i>If applicable, Service for water heating in restaurants 8,000 sf or greater</i>	<i>A5.203.1.1.2</i>				
	<i>Tier 1 Prerequisite</i>	<i>Energy Budget 95% or 90% of Part 6 calculated value of allowance</i>	<i>A5.203.1.2.1</i>				
<b>SELECT ONE ELECTIVE</b>	<i>Elective</i>	<i>On-site renewable energy w/ documentation</i>	<i>A5.211.1 A5.211.1.1</i>				
	<i>Elective</i>	<i>Green power</i>	<i>A5.211.3</i>				
	<i>Elective</i>	<i>Elevators w/ car lights and fan</i>	<i>A5.212.1.1 A5.212.1.1.1</i>				
	<i>Elective</i>	<i>Escalators w/ controls</i>	<i>A5.212.1.2</i>				
	<i>Elective</i>	<i>Controls that reduce energy</i>	<i>A5.212.1.4</i>				
	<i>Elective</i>	<i>Steel framing</i>	<i>A5.213.1</i>				
<b>DIVISION 5.3 Water Efficiency and Conservation</b>	Mandatory	Separate Meters (new Buildings or additions > 50,000 SF that consume more than 100 gal/day)	5.303.1.1				
	Mandatory	Separate Meters (for tenants in new buildings or additions that consume more than 1,000 gal/day)	5.303.1.2				
	<i>Tier 1 Prerequisite</i>	<i>Water Reduction Tier 1. 12% savings over the "water use baseline" Table A5.303.2.2 or Meet table A5.303.2.3.1</i>	<i>A5.303.2.3.1</i>				
	Mandatory	Water closets shall not exceed 1.28 gallons per flush	5.303.3.1				
	Mandatory	Wall-mounted urinals shall not exceed 0.125 gpf	5.303.3.2.1				
	Mandatory	Floor-mounted urinals shall not exceed 0.5 gpf	5.303.3.2.2				
	Mandatory	Single showerhead shall have maximum flow rate of 2.0 gpm (gallons per minute) at 80 psi	5.303.3.3.1				

	Mandatory	Multiple showerheads serving one shower shall have a combined flow rate of 2.0 gpm at 80 psi	5.303.3.3.2				
	Mandatory	Nonresidential lavatory faucets	5.303.3.4.1				
	Mandatory	Kitchen faucets	5.303.3.4.2				
	Mandatory	Wash basins	5.303.3.4.3				
	Mandatory	Metering faucets	5.303.3.4.4				

	Mandatory	Metering faucets for wash fountains	5.303.3.4.5				
	Mandatory	Food waste disposers w/note	5.303.4.1				
	Mandatory	Areas of additions and alterations	5.303.5				
	Mandatory	Standards for plumbing fixtures and fittings	5.303.6				
	Mandatory	Outdoor water use in landscape areas equal to or greater than 500 square feet	5.304.2				
	Mandatory	Outdoor water use in rehabilitated landscape projects with areas equal to or greater than 2,500 square feet	5.304.3				
	Mandatory	Outdoor water use in landscape areas of 2,500 square feet or less	5.304.4				
	Mandatory	Graywater or rainwater use in landscaped areas	5.304.5				
	Mandatory	Outdoor water supply systems (with exceptions 1-4)	5.305.1.1				
	Mandatory	Technical requirements for outdoor recycled water supply systems	5.305.1.2				

<b>S E L E C T</b>	<i>Elective</i>	<i>Nonpotable water systems for indoor use</i>	<i>A5.303.2.3.4</i>				
	<i>Elective</i>	<i>Appliances and fixtures for commercial application</i>	<i>A5.303.3</i>				
		<i>Nonwater supplied urinals</i>	<i>A5.303.4.1</i>				
	<i>Elective</i>	<i>Dual plumbing</i>	<i>A5.303.5</i>				
	<i>Elective</i>	<i>Outdoor potable water use</i>	<i>A5.304.2</i>				
	<i>Elective</i>	<i>Restoration of areas disturbed by construction</i>	<i>A5.304.6</i>				
	<i>Elective</i>	<i>Previously developed sites w/ exception</i>	<i>A5.304.7</i>				
	<i>Elective</i>	<i>Graywater irrigation system</i>	<i>A5.304.8</i>				
	<i>Elective</i>	<i>Nonpotable water systems</i>	<i>A5.305.1</i>				
	<i>Elective</i>	<i>Irrigation systems</i>	<i>A5.305.2</i>				

<b>DIVISION 5.4 Material Conservation and Resource Efficiency</b>	<i>Tier 1 Prerequisite</i>	<i>Recycled content for 10% of total material cost</i>	<i>A5.405.4A 5.405.4.1 Through A5.405.4.5</i>				
	Mandatory	Weather Protection	5.407.1				
	Mandatory	Moisture Control: sprinklers	5.407.2.1				
	Mandatory	Moisture Control: Exterior door protection	5.407.2.2.1				
	Mandatory	Moisture Control: Flashing	5.407.2.2.2				
	Mandatory	Construction waste management-comply with either: sections 5.408.1.1, 5.408.1.2, 5.408.1.3 or more stringent local ordinance	5.408.1.1, 5.408.1.2, 5.408.1.3				
	Mandatory	Construction waste management: Documentation w/notes	5.408.1.4				

	Mandatory	Universal waste [A]	5.408.2				
	Mandatory	Excavated soil and land clearing debris w/ exceptions and notes	5.408.3				
	<i>Tier 1 Prerequisite</i>	<i>Enhanced construction waste reduction 65% – Tier 1 w/ verification</i>	<i>A5.408.3.1 A5.408.3.1.2</i>				
	Mandatory	Recycling by Occupants (with exception)	5.410.1				
	Mandatory	Recycling by Occupants: Additions(with exception)	5.410.1.1				
	Mandatory	Recycling by Occupants: Sample ordinance	5.410.1.2				
	Mandatory	Commissioning new buildings (≥ 10,000 SF) [N] w/exceptions and notes	5.410.2				
	Mandatory	Owner's or Owner representative's Project Requirements (OPR) [N]	5.410.2.1				
	Mandatory	Basis of Design (BOD) [N]	5.410.2.2				
	Mandatory	Commissioning Plan [N]	5.410.2.3				
	Mandatory	Functional Performance Testing [N]	5.410.2.4				
	Mandatory	Documentation and Training [N]	5.410.2.5				
	Mandatory	Systems Manual [N]	5.410.2.5.1				
	Mandatory	Systems Operation Training) [N]	5.410.2.5.2				
	Mandatory	Commissioning Report [N]	5.410.2.6				
	Mandatory	Testing and adjusting for new buildings < 10,000 SF or new systems that serve additions or alterations.	5.410.4				
	Mandatory	System Testing Plan for HVAC, Lighting, water heating, renewable energy, landscape irrigation and water reuse.	5.410.4.2				
	Mandatory	Procedures for testing and adjusting	5.410.4.3				
	Mandatory	HVAC balancing	5.410.4.3.1				
	Mandatory	Reporting for testing and adjusting	5.410.4.4				
	Mandatory	Operation and Maintenance (O&M) Manual	5.410.4.5				
	Mandatory	Inspection and reports	5.410.4.5.1				
SELECT ONE ELECTIVE (see next page for more options)	<i>Elective</i>	<i>Wood framing or OVE w/ note</i>	<i>A5.404.1 A5.404.1.1 A5.404.1.2</i>				
	<i>Elective</i>	<i>Regional materials</i>	<i>A5.405.1</i>				
	<i>Elective</i>	<i>Bio-based materials</i>	<i>A5.405.2</i>				
	<i>Elective</i>	<i>Rapidly renewable materials</i>	<i>A5.405.2.2</i>				
	<i>Elective</i>	<i>Reused materials w/ note</i>	<i>A5.405.3</i>				
	<i>Elective</i>	<i>Cement and concrete: Cement</i>	<i>A5.405.5.1</i>				
	<i>Elective</i>	<i>Cement and concrete: Concrete /w SCM &amp; Mix design equation</i>	<i>A5.405.5.2 A5.405.5.2.1 A5.405.5.2.1.1</i>				
	<i>Elective</i>	<i>Cement and concrete: Additional means of compliance</i>	<i>A5.405.5.3 A5.405.5.3.1 A5.405.5.3.1.1 A5.405.5.3.1.2 A5.405.5.3.2 A5.405.5.3.2.1 A5.405.5.3.2.2 A5.405.5.3.2.3 A5.405.5.3.2.4</i>				

<b>SELECT ONE ELECTIVE</b>	<i>Elective</i>	<i>Choice of materials</i>	A5.406.1 A5.406.1.1 A5.406.1.2 A5.406.1.3				
	<i>Elective</i>	<i>Life cycle assessment: General</i>	A5.409.1				
	<i>Elective</i>	<i>Whole building life cycle assessment</i>	A5.409.2 A5.409.2.1 A5.409.2.2				
	<i>Elective</i>	<i>Materials and system assemblies</i>	A5.409.3				
	<i>Elective</i>	<i>Substitution for prescriptive standards</i>	A5.409.4				
	<i>Elective</i>	<i>Verification of compliance</i>	A5.409.5				
<b>DIVISION 5.5 Environmental Quality</b>	Mandatory	Fireplaces	5.503.1				
	Mandatory	Woodstoves	5.503.1.1				
	Mandatory	Temporary ventilation	5.504.1				
	Mandatory	Covering of ducts openings and protection of mechanical equipment during construction	5.504.3				
	Mandatory	Adhesives, sealants and caulks	5.504.4.1				
	Mandatory	Paints and coatings	5.504.4.3				
	Mandatory	Aerosol paints and coatings	5.504.4.3.1				
	Mandatory	Aerosol paints and coatings: Verification	5.504.4.3.2				
	Mandatory	Carpet systems	5.504.4.4				
	Mandatory	Carpet cushion	5.504.4.4.1				
	Mandatory	Carpet adhesives	5.504.4.4.2				
	Mandatory	Composite wood products	5.504.4.5				
	Mandatory	Composite wood products: Documentation	5.504.4.5.3				
	Mandatory	Resilient flooring systems	5.504.4.6				
	Mandatory	Resilient flooring: Verification of compliance	5.504.4.6.1				
	<i>Tier 1 Prerequisite</i>	<i>Resilient flooring systems, Tier 1w/ verification</i>	<i>A5.504.4.7 A5.504.4.7.2</i>				
	<i>Tier 1 Prerequisite</i>	<i>Thermal insulation, Tier 1 w/ verification of compliance</i>	<i>A5.504.4.8 A5.504.4.8.2</i>				
	Mandatory	Filters w/ exceptions	5.504.5.3				
	Mandatory	Filters: Labeling	5.504.5.3.1				
	Mandatory	Environmental tobacco smoke (ETS) control	5.504.7				
	Mandatory	Indoor moisture control	5.505.1				
	Mandatory	Outside air delivery	5.506.1				
	Mandatory	Carbon dioxide (CO2) monitoring	5.506.2				
	Mandatory	Acoustical control w/ exception	5.507.4				
	Mandatory	Exterior noise transmission, prescriptive method w/ exceptions	5.507.4.1				
	Mandatory	Noise exposure where noise contours are not readily available	5.507.4.1.1				
	Mandatory	Performance method	5.507.4.2				
Mandatory	Site features	5.507.4.2.1					
	Mandatory	Documentation of compliance	5.507.4.2.2				
	Mandatory	Interior sound transmission w/ note	5.507.4.3				
	Mandatory	Ozone depletion and greenhouse gas reductions	5.508.1				
	Mandatory	Chlorofluorocarbons (CFCs)	5.508.1.1				
	Mandatory	Halons	5.508.1.2				

	Mandatory	Supermarket refrigerant leak reduction for retail food stores 8,000 square feet or more sections 5.508.2 through 5.508.2.6.3	5.508.2 through 5.508.2.6.3				
SELECT ONE ELECTIVE	Elective	Indoor air quality (IAQ) during construction	A5.504.1 A5.504.1.1 A5.504.1.2				
		IAQ postconstruction	A5.504.2				
	Elective	IAQ testing	A5.504.2.1 A5.504.2.1.1 A5.504.2.1.2 A5.504.2.1.3				
	Elective	No added formaldehyde Tier 1 w/ notes	A5.504.4.5.1				
	Elective	Acoustical ceilings and wall panels w/ verification of compliance	A5.504.4.9 A5.504.4.9.1				
	Elective	Hazardous particulates and chemical pollutants	A5.504.5				
	Elective	Entryway systems	A5.504.5.1				
	Elective	Isolation of pollutant sources	A5.504.5.2				
	Elective	Filters, Tier 1	A5.504.5.3.1				
	Elective	Lighting and thermal comfort controls	A5.507.1 A5.507.1.1 through A5.507.1.2				
	Elective	Daylight w/ exception	A5.507.2				
	Elective	Views w/ exception	A5.507.3				
	Elective	Interior office spaces	A5.507.3.1				
	Elective	Multi-occupant spaces	A5.507.3.2				
	Elective	Hydrochlorofluorocarbons (HCFCs)	A5.508.1.3				
Elective	Hydrofluorocarbons (HFCs)	A5.508.1.4					
Additional Measures	Select 1 additional measure (from any division)		Add section #				
Total number of Measures require for Tier 1			15				
Total number of Measures selected							

**Documentation Author's /Responsible Designer's Declaration Statement**

**Check the appropriate box(s) for the list below**

- **Mandatory:** I attest that the mandatory provisions checklist is accurate and complete.
- **Tier 1compliant:** I attest that the total number of voluntary measures selected meet or exceed the total number required to achieve Tier 1compliance.
- **Partial Tier 1 compliant:** I attest that the total number of voluntary measures selected do not meet the total number required to achieve Tier 1compliance however partial Tier 1 compliance has been achieved.

Signature:

Company:

Date:

Address:

License:

City/State/Zip:

Phone: