

2013 CALGreen Checklist for Residential Additions and Alterations

BPC-36

This checklist is effective January 1, 2014 and applies to Additions and Alterations of low-rise residential buildings including hotels, motels, lodging houses, dwellings, dormitories, condominiums, shelters, congregate residences, employee housing, factory-built housing and other types of dwellings with sleeping accommodations. Detached "U" occupancy buildings are not subject to the requirements of CALGreen. Existing site and landscaping improvements that are not otherwise disturbed are also not subject to the requirements of CALGreen.

APPENDIX A4

Project Name: _____
Project Address: _____
Project Description: _____

INSTRUCTIONS:

A. For **Owner-Builder permits** – The Owner *or* the Owner's agent shall:

1. Complete the project information above.
2. Read this checklist and understand the project requirements.
3. Consult with PRMD Plan Check staff to determine if any mandatory CALGreen measure(s) is not applicable to the project and mark accordingly in **Column 2** of the checklist. Provide an explanation for why each measure to be marked "N/A" is not applicable to the project.
4. Complete the CALGreen acknowledgement in Section 1 on the last page of the checklist.
5. Submit the entire form to PRMD along with the building permit application.

B. For **permits issued to Licensed Contractors** – The Owner *and* the Contractor shall:

1. Be sure that the project information above is completed.
2. Read this checklist and understand the project requirements.
3. Consult with Plan Check staff to determine if any mandatory CALGreen measure(s) is not applicable to the project and mark accordingly in Column 2 of the checklist. Provide an explanation for why each measure to be marked "N/A" is not applicable to the project.
4. Complete and sign (both Owner and Contractor or their authorized agents) the CALGreen acknowledgement in Section 1 on the last page of the checklist.
5. Be sure that the entire CALGreen Checklist is submitted to PRMD with the building permit application.

C. In **Column 3**, PRMD Building Inspection staff will verify those measures checked in Column 3 of the checklist under the "County Staff" heading.

<p align="center">Column 1 Feature or Measure</p>	<p align="center">Column 2 Project Requirements</p> <p align="center"><i>Must be incorporated into project unless measure is not applicable (N/A).</i></p>	<p align="center">Column 3 Compliance Verified</p> <p align="center"><i>Complete after implementation and prior to final inspection approval</i></p>
<p align="center"><i>See Chapter 4 of the 2013 California Green Building Code for complete descriptions of features or measures listed here.</i></p>	<p align="center">Mandatory Prerequisites</p>	<p align="center">Building Inspector</p>
<p>4.1 PLANNING AND DESIGN</p>		
	<p align="center"><i>All checked items are required for the project</i></p>	<p align="center"><i>Complete prior to Final Inspection</i></p>
<p>4.106.2 A plan is developed and implemented to manage storm water drainage during construction. See Sonoma County Code Chapter 11A (Stormwater Quality) for additional requirements.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.2 ENERGY EFFICIENCY</p>		
	<p align="center"><i>All checked items are required</i></p>	<p align="center"><i>Complete prior to Final Inspection</i></p>
<p>4.201.1 Building meets or exceeds the requirements of the California Building Energy Efficiency Standards ¹.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.3 WATER EFFICIENCY AND CONSERVATION</p>		
	<p align="center"><i>All checked items are required unless N/A</i></p>	<p align="center"><i>Complete prior to Final Inspection</i></p>
<p>4.303.1 Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) installed in residential buildings shall comply with the prescriptive requirements of Sections 4.303.1.1 through 4.303.1.4.4.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.303.2 Plumbing fixtures and fittings required in Section 4.303.1 shall be installed in accordance with the California Plumbing Code, and shall meet the applicable referenced standards.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.304.1 Automatic irrigation systems installed at the time of final inspection shall be weather- or soil moisture-based.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY</p>		
	<p align="center"><i>All checked items are required</i></p>	<p align="center"><i>Complete prior to Final Inspection</i></p>
<p>4.406.1 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.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.408.1 Construction waste generated at the site is diverted to recycle or salvage in compliance with at least a 50 percent reduction.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>

¹ Provisions of the 2013 Cal Energy Code (CEC) and the 2013 Building Energy Efficiency Standards (BEES) become effective July 1, 2014. From January 30, 2014, the 2010 CEC and 2008 BEES shall be used for Residential and Non-Residential portions of this code for Energy Efficiency, exclusive of Tier 1 requirements.

<p align="center">Column 1 Feature or Measure</p>	<p align="center">Column 2 Project Requirements</p> <p align="center"><i>Must be incorporated into project unless measure is not applicable (N/A).</i></p>	<p align="center">Column 3 Compliance Verified</p> <p align="center"><i>Complete after implementation and prior to final inspection approval</i></p>
<p align="center"><i>See Chapter 4 of the 2013 California Green Building Code for complete descriptions of features or measures listed here.</i></p>	<p align="center">Mandatory Prerequisites</p>	<p align="center">Building Inspector</p>
<p>4.410.1 An operation and maintenance manual shall be provided to the building occupant or owner.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.5 ENVIRONMENTAL QUALITY</p>		
<p>4.503.1 Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove, meeting the requirements of Sonoma County Code Chapter 7C (Wood-Burning Appliances) ².</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.504.1 Duct openings and other related air distribution component openings shall be covered during construction.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.504.2.1 Adhesives, sealants and caulks shall be compliant with VOC and other toxic compound limits.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.504.2.2 Paints, stains and other coatings shall be compliant with VOC limits.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.504.2.3 Aerosol paints and other coatings shall be compliant with product weighted MIR Limits for ROC and other toxic compounds.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.504.2.4 Documentation shall be provided to verify that compliant VOC limit finish materials have been used.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.504.3 Carpet and carpet systems shall be compliant with VOC limits.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.504.5 Particleboard, medium density fiberboard (MDF), and hardwood plywood used in interior finish systems shall comply with low formaldehyde emission standards.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.505.2 Vapor retarder and capillary break is installed at slab on grade foundations.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.505.3 Moisture content of building materials used in wall and floor framing is checked before enclosure.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>

² Modified to conform with Chapter 7C of the Sonoma County Code

<p align="center">Column 1 Feature or Measure</p>	<p align="center">Column 2 Project Requirements</p> <p align="center"><i>Must be incorporated into project unless measure is not applicable (N/A).</i></p>	<p align="center">Column 3 Compliance Verified</p> <p align="center"><i>Complete after implementation and prior to final inspection approval</i></p>
<p align="center"><i>See Chapter 4 of the 2013 California Green Building Code for complete descriptions of features or measures listed here.</i></p>	<p align="center">Mandatory Prerequisites</p>	<p align="center">Building Inspector</p>
<p>4.506.1 Humidity controlled exhaust fans which terminate outside the building are provided in every bathroom unless otherwise a component of a whole house ventilation system.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>4.507.2. Duct systems are sized and designed and equipment is selected using the following methods:</p> <ol style="list-style-type: none"> 1. Establish heat loss and heat gain values according to ANSI/ACCA Manual J-2004 or equivalent. 2. Size duct systems according to ANSI/ACCA 1 Manual D - 2009 or equivalent. 3. Select heating and cooling equipment according to ANSI/ACCA 3 Manual S-2004 or equivalent. 	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>Items necessary to address innovative concepts or local environmental conditions.</p>		
<p>Item 1:</p>		<p align="center"><input type="checkbox"/></p>
<p>Item 2:</p>		<p align="center"><input type="checkbox"/></p>
<p>Item 3:</p>		<p align="center"><input type="checkbox"/></p>
<p>INSTALLER QUALIFICATIONS</p>		<p align="center"><i>Complete prior to Final Inspection</i></p>
<p>702.1 HVAC system installers are trained and certified in the proper installation of HVAC systems.</p>	<p align="center"> <input checked="" type="checkbox"/> or <input type="checkbox"/> N/A </p>	<p align="center"><input type="checkbox"/></p>
<p>703.1 Verification of compliance with CALGreen may include construction documents, plans, specifications builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which show substantial conformance. Implementation verification shall be submitted to the Building Department after implementation of all required measures and prior to final inspection approval.</p>	<p align="center"><input checked="" type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>

Green Building Acknowledgments

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, design professional **and** the Sonoma approved CALGreen special inspector have reviewed 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 amended by Chapter 14.10 of the Sonoma Municipal Code.

Owner’s Signature

Date

Owner Name *(Please Print)*

Design Professional’s Signature

Date

Design Professional’s Name *(Please Print)*

Section 2 – Implementation Verification

Complete, sign and submit the completed checklist, including Column 4, together with all original signatures in this Section 2 – “Implementation Verification” to PRMD Building Inspection concurrently with final inspection.

I have inspected the work 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 set forth in the 2013 California Green Building Standards Code as amended by Chapter 7 of the Sonoma County Code.

Inspector Signature

Date

Inspector’s Name *(Please Print)*
