

2022 CALGreen+Tier 1 Checklist for NONRESIDENTIAL BUILDINGS

Application: This checklist shall be used for nonresidential projects (not an R Occupancy Classification) that are **new construction, additions of 1,000 square feet or greater, or building alterations with a permit valuation of \$200,000 or more.**

For the purposes of this checklist, “new construction” means a building that is not an addition or alteration to an existing building. “Addition means an extension or increase in floor area of an existing building or structure. “Alteration” means any construction or renovation to an existing structure other than a repair for maintenance or an addition.

ELECTIVE measures are not required for Addition and/or Alteration projects. CALGreen does not apply to nonresidential additions adding less than 1,000 square feet or nonresidential building alterations with a permit valuation of less than \$200,000.

APPENDIX A5

Project Address: _____

Project Name: _____

Project Description: _____

- The Owner or the Owner’s agent shall employ a qualified [CALGreen Special Inspector, listed by the City of Novato Department](#), to perform CALGreen Special Inspector services and to verify and assure the Owner and the Building Department that all required CALGreen features referenced herein are properly planned and incorporated in the project. City listed CALGreen inspectors can be found on the [City’s web site](#).
- The CALGreen Special Inspector shall not be the design professional or contractor for the project and shall not have a financial interest in the project for which services are being provided except for the cost of providing said services.

Instructions:

1. The CALGreen Special Inspector, in collaboration with the Owner and the Design Professional shall review, select and incorporate (by design and specification) all Mandatory and Elective CALGreen measures to be included in the project by placing a checkmark (✓) as applicable under **the REQ'D column** of this checklist.
2. Verify that the plans specify, reference or otherwise incorporate the required CALGREEN measures on the plans. Specify on the checklist where the measure can be found on the plans or specifications. These measures become a part of the approved plans and must be installed or incorporated into the project.
3. CALGreen measures that do not apply to the project should be identified by the CALGreen Special Inspector by placing a checkmark (✓) as applicable under the **N/A column** of this checklist.
4. **Section 1 - Design Verification (last page).** The **CALGreen Special Inspector**, the **Owner** and the project **Design Professional** shall review the checklist, sign and date the Design Verification on the last page of this checklist. All signatures are required at the time of building permit application.
5. **Section 2 - Implementation Verification (last page).** After all required CALGreen measures have been completed for the project and the installation verified by the CALGreen Special Inspector, the **CALGreen Special Inspector** shall place a checkmark or initial the appropriate measures in the **FIELD VERIFIED column** of the checklist, sign the **Implementation Verification** and submit the checklist to the Building Inspector **prior to Building Department final inspection.**

CALGREEN Checklist Legend

| | |
|-----------------------------|---|
| MANDATORY | MANDATORY indicates that the measure is a requirement of the project when applicable. |
| ELECTIVE | ELECTIVE indicates measures that may be selected by the project applicant. |
| MEASURE SECTION TITLE | A very brief reference to the section title of a CALGreen measure. The specific Section(s) of CALGreen must be reviewed to fully understand the requirements of a CALGreen measure. |
| REQ'D | The REQ'D column on the checklist indicates that the CALGreen measure is Required and has been included in the plans and specifications as a requirement of the project. |
| N/A | The N/A column on the checklist indicates that the CALGreen measure is Not Applicable or not a requirement of the project. |
| [N] | Applies to New Construction only pursuant to CALGreen Section 301 (e.g. a newly constructed building that is not an addition or alteration to an existing building). |
| [A] | Applies to Additions and/or Alterations only pursuant to CALGreen Section 301.3 |
| CODE SECTION | Indicates the referenced or applicable Section(s) of the California Green Building Code (CALGreen) unless otherwise specified. |
| PLAN SHEET # or EXPLANATION | Provides a location for the CALGreen Special Inspector or the design professional to indicate the plan sheet number where the full CALGreen measure or requirement is shown or specified on the construction drawings. Also, provides an area to provide an explanation for non-applicable items. |
| FIELD VERIFIED | Provides a location for the CALGreen Special Inspector to indicate each measure that has been implemented into the project and installation verified by the CALGreen Special Inspector. [NOTE: Required prior to Final Inspection approval] |

NOTE: ELECTIVE measures are not required for Addition and Alteration Projects.

| MANDATORY | MEASURE SECTION TITLE <i>See Chapter 5 2022 California Green Building Code and for complete requirements for measures listed here.</i> | CODE SECTION | REQ'D | N/A | PLAN SHEET # or EXPLANATION | FIELD VERIFIED |
|---|---|------------------------------------|--------------------------|--------------------------|----------------------------------|----------------|
| Division 5.1 - Planning and Design | | | | | | |
| Mandatory | Storm water pollution prevention plan | 5.106.1 through 5.106.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Short-term bicycle parking | 5.106.4.1.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Long-term bicycle parking | 5.106.4.1.2 through 5.106.4.1.5 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | EV capable spaces calculation [N] (with exceptions) | 5.106.5.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | EV capable spaces | 5.106.5.3.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Electric vehicle charging stations [N] | 5.106.5.3.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Use of automatic load management systems (ALMS) | 5.106.5.3.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Accessible EVCS | 5.106.5.3.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Table 5.106.5.3.1 w/ footnotes | 5.106.3.1, 5.106.3.2 and 5.106.3.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Electric vehicle (EV) charging: medium-duty and heavy-duty [N] | 5.106.5.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | EV charging readiness for warehouses, grocery stores, and retail stores | 5.106.5.4.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Table 5.106.5.4.1 | 5.106.5.4 and 5.106.5.4.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Light pollution reduction [N] (with exceptions, notes & tables) | 5.106.8 through 5.106.8.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |

| MANDATORY | MEASURE SECTION TITLE <i>See Chapter 5 2022 California Green Building Code and for complete requirements for measures listed here.</i> | CODE SECTION | REQ'D | N/A | PLAN SHEET # or EXPLANATION | FIELD VERIFIED |
|---|---|--------------|--------------------------|--------------------------|----------------------------------|----------------|
| Mandatory | Grading and paving (exception for additions and alterations not altering the drainage path) | 5.106.10 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Division 5.2 - Energy Efficiency | | | | | | |
| Mandatory | Meet the minimum energy efficiency standard | 5.201.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Division 5.3 - Water Efficiency & Conservation | | | | | | |
| Mandatory | Separate meters (new buildings or additions > 50,000 sf that consume more than 100 gal/day) | 5.303.1.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Separate meters (for tenants in new buildings or additions that consume more than 1,000 gal/day) | 5.303.1.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] Tier 1 | <i>Water reduction Tier 1—12% savings over the "water use baseline" in Table A5.303.2.2 or meet Table A5.303.2.3, 1 (Support documentation required at application submittal)</i> | A5.303.2.3.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Water closets shall not exceed 1.28 gallons per flush (gpf) | 5.303.3.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Wall-mounted urinals shall not exceed 0.125 gpf | 5.303.3.2.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Floor-mounted urinals shall not exceed 0.5 gpf | 5.303.3.2.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Single showerhead shall have maximum flow rate of 1.8 gpm (gallons per minute) at 80 psi | 5.303.3.3.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Multiple showerheads serving one shower shall have a combined flow rate of 1.8 gpm at 80 psi | 5.303.3.3.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Nonresidential lavatory faucets | 5.303.3.4.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Kitchen faucets | 5.303.3.4.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Wash fountains | 5.303.3.4.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Metering faucets | 5.303.3.4.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Metering faucets for wash fountains | 5.303.3.4.5 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Food waste disposers | 5.303.4.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Areas of additions or alterations | 5.303.5 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Standards for plumbing fixtures and fittings | 5.303.6 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Outdoor potable water use in landscape areas. | 5.304.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Outdoor water supply systems (with Exceptions 1-4) | 5.305.1.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Technical requirements for outdoor recycled water supply systems | 5.305.1.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Division 5.4 - Material Conservation and Resource Efficiency | | | | | | |
| Mandatory | Weather protection | 5.407.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Moisture control: sprinklers | 5.407.2.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Moisture control: exterior door protection | 5.407.2.2.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Moisture control: flashing | 5.407.2.2.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |

| MANDATORY | MEASURE SECTION TITLE <i>See Chapter 5 2022 California Green Building Code and for complete requirements for measures listed here.</i> | CODE SECTION | REQ'D | N/A | PLAN SHEET # or EXPLANATION | FIELD VERIFIED |
|---|--|---------------------------------|--------------------------|--------------------------|----------------------------------|----------------|
| | | | ✓ | ✓ | | |
| 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 <i>(Support documentation required at application submittal)</i> | 5.408.1.1, 5.408.1.2, 5.408.1.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Construction waste management: documentation | 5.408.1.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory for [A] ONLY | Universal waste [A] | 5.408.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Excavated soil and land dealing debris (100% reuse or recycle) | 5.408.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Recycling by occupants (with exception) | 5.410.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Recycling by occupants: additions (with exception) | 5.410.1.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Recycling by occupants: sample ordinance | 5.410.1.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Commissioning new buildings (> 10,000 sf) [N] | 5.410.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Owner's or Owner representative's Project Requirements (OPR) [N] <i>(Support documentation required at application submittal)</i> | 5.410.2.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Basis of Design (BOD) [N] <i>(Support documentation required at application submittal)</i> | 5.410.2.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Commissioning plan [N] <i>(Support documentation required at application submittal)</i> | 5.410.2.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Functional performance testing [N] | 5.410.2.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Documentation and training [N] | 5.410.2.5 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Systems manual [N] | 5.410.2.5.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Systems operation training [N] | 5.410.2.5.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory [N] | Commissioning report [N] | 5.410.2.6 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory for [A] ONLY | Testing and adjusting for new buildings < 10,000 sf or new systems that serve additions or alterations [A] | 5.410.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory for [A] ONLY | System Testing Plan for renewable energy, landscape irrigation and water reuse [A] <i>(Support documentation required at application submittal)</i> | 5.410.4.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Procedures for testing and adjusting | 5.410.4.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Procedures for HVAC balancing | 5.410.4.3.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Reporting for testing and adjusting | 5.410.4.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Operation and maintenance (O&M) manual | 5.410.4.5 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Inspection and reports | 5.410.4.5.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Division 5.5 - Environmental Quality | | | | | | |
| Mandatory | Fireplaces | 5.503.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Woodstoves | 5.503.1.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Temporary ventilation | 5.504.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Covering of ducts openings and protection of mechanical equipment during construction | 5.504.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Adhesives, sealants, and caulks | 5.504.4.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Paints and coatings | 5.504.4.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Aerosol paints and coatings | 5.504.4.3.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Aerosol paints and coatings: verification | 5.504.4.3.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |

| MANDATORY | MEASURE SECTION TITLE <i>See Chapter 5 2022 California Green Building Code and for complete requirements for measures listed here.</i> | CODE SECTION | REQ'D ✓ | N/A ✓ | PLAN SHEET # or EXPLANATION | FIELD VERIFIED |
|-----------|---|-----------------------------|--------------------------|--------------------------|----------------------------------|----------------|
| Mandatory | Carpet systems | 5.504.4.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Carpet cushion | 5.504.4.4.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Carpet adhesives per Table 5.504.4.1 | 5.504.4.4.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Composite wood products | 5.504.4.5 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Composite wood products: documentation | 5.504.4.5.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Resilient flooring systems | 5.504.4.6 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Resilient flooring: verification of compliance | 5.504.4.6.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Verification of compliance | 5.504.4.8.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Filters (with exceptions) | 5.504.5.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Filters: labeling | 5.504.5.3.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Environmental tobacco smoke (ETS) control. | 5.504.7 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Indoor moisture control | 5.505.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Outside air delivery | 5.506.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Carbon dioxide (CO ₂) monitoring | 5.506.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Acoustical control (with exception) <i>(Support documentation required prior to permit issuance)</i> | 5.507.4 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Exterior noise transmission, prescriptive method (with exceptions) | 5.507.4.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Noise exposure where noise contours are not readily available | 5.507.4.1.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Performance method | 5.507.4.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Site features | 5.507.4.2.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Documentation of compliance | 5.507.4.2.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Interior sound transmission (with note) | 5.507.4.3 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Ozone depletion and greenhouse gas reductions | 5.508.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Chlorofluorocarbons (CFCs) | 5.508.1.1 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| Mandatory | Halons | 5.508.1.2 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |
| 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 | <input type="checkbox"/> | <input type="checkbox"/> | Click or tap here to enter text. | |

Green Building Acknowledgments

Project Address: _____

Project Description: _____

Section 1 - Design Verification

Complete and sign all lines of Section 1- "Design Verification" and submit the completed checklist (REQ'D, N/A and PLAN SHEET # or EXPLANATION Columns) with the plans and building permit application to the Building Department.

The Owner, Design Professional and CALGreen Special Inspector have reviewed the plans and certify that the measures 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 2022 California Green Building Standards Code,

Owner's Signature (Required)

Date

Owner Name (Please Print)

Design Professional's Signature (Required)

Date

Design Professional's Name (Please Print)

Signature of Listed Green Building Special Inspector (Required)

Date

Listed CALGreen Special Inspector's Name (Please Print)

Phone

CALGreen Special Inspector's E-mail Address

CALGreen Certification No.

Section 2 - Implementation Verification

Complete the FIELD VERIFIED Column of the checklist for all measures installed and verified. Sign and submit the completed checklist, together with signatures on this Section 2 – "Implementation Verification" to the Building Department prior to Building Department 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 2022 California Green Building Standards Code.

Listed CALGreen Special Inspector Signature

Date

CALGreen Special Inspector's Name (Please Print)

Phone (if different than above)

CALGreen Special Inspector's E-mail Address (if different than above)

CALGreen Certification No.