



2013 CALGreen Residential Checklist

- The mandatory provisions of Chapter 4 (Residential Mandatory Measures) apply to residential construction including new additions or alterations where the addition or alterations increases the building’s conditioned area, volume or size. The requirements shall only apply to and/or within the specific area of the addition or alteration.
- Projects that trigger CALGreen compliance are not required to meet Tier 1 measures; however the City of Livermore has amended the 2013 CALGreen to require all new structures to be designed such that the building exceeds the requirements of the California Building Energy Efficiency Standards by 15%. ***Title-24 documentation must show a minimum 15% over the baseline requirement.***
 - Documentation verifying this requirement has been met must be approved by the building official prior to permit issuance.
 - This requirement is consistent with the Livermore Climate Action Plan adopted by the City Council November 2012.
- **Alternate Methods.** As an alternative to achieving compliance with the Green Building Standards Code requirements, a project may instead achieve compliance through; (i) the United States Green Building Council’s Leadership in Energy and Environmental Design (LEED), (ii) Build It Green’s Green Point Rating System; or (iii) another recognized and approved third party green building standards and rating system. Equivalency to the Green Building Standards Code shall be evaluated, detailed and certified by the design professional.

	LEVELS APPLICANT TO SELECT ELECTIVE	VERIFICATIONS ENFORCING AGENCY TO SPECIFY
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FEATURE OR MEASURE	MEASURES			VERIFICATION METHOD		
	Mandatory	Prerequisites and electives ¹		Enforcing Agency <input type="checkbox"/> All	Installer or Designer <input type="checkbox"/> All	Third party <input type="checkbox"/> All
		Tier 1	Tier 2			
PLANNING AND DESIGN						
Site Selection						
A4.103.1 A site which complies with at least one of the following characteristics is selected: 1. An infill site is selected. 2. A greyfield site is selected. 3. An EPA-recognized Brownfield site is selected		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
A4.103.2 Facilitate community connectivity by one of the following methods: 1. Locate project within a 1/4-mile true walking distance of at least 4 basic services 2. Locate project within 1/2mile true walking distance of at least 7 basic services; 3 Other methods increasing access to additional resources		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
Site Preservation						
A4.104.1 An individual with oversight responsibility for the project has participated in an educational program promoting environmentally friendly design or development and has provided training or instruction to appropriate entities.		<input type="checkbox"/>				
Deconstruction and Reuse of Existing Materials						
A4.105.2 Existing buildings are disassembled for reuse or recycling of building materials. The proposed structure utilizes at least one of the following materials which can be easily reused: 1. Light fixtures 2. Plumbing fixtures 3. Doors and trim 4. Masonry 5. Electrical devices 6. Appliances 7. Foundations or portions of foundations		<input type="checkbox"/>				
Site Development						
4.106.2 A plan is developed and implemented to manage storm water drainage during construction.	<input checked="" type="checkbox"/>					
4.106.3 Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water front entering buildings.	<input checked="" type="checkbox"/>					
A4.106.2.1 Soil analysis is performed by a licensed design professional and the findings utilized in the structural design of the building.		<input type="checkbox"/>				
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		Tier 1	Tier 2			
<p>A4.106.2.2 Soil disturbance and erosion are minimized by at least one of the following:</p> <p>1. Natural drainage patterns are evaluated and erosion controls are implemented to minimize erosion during construction and after occupancy.</p> <p>2. Site access is accomplished by minimizing the amount of cut and fill needed to install access roads and driveways.</p> <p>3. Underground construction activities are coordinated to utilize the same trench, minimize the amount of time the disturbed soil is exposed and the soil is replaced using accepted compaction methods.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>A4.106.2.3 Topsoil shall be protected or saved for reuse as specified in this section.</p> <p>Tier 1. Displaced topsoil shall be stockpiled for reuse in a designated area and covered or protected from erosion.</p> <p>Tier 2. The construction area shall be identified and delineated by fencing or flagging to limit construction activity to the construction area.</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>A4.106.3 Postconstruction landscape designs accomplish one or more of the following:</p> <p>1. Areas disrupted during construction are restored to be consistent with native vegetation species and patterns.</p> <p>2. Limit turf areas to the greatest extent possible.</p> <p>a. Not more than 50 percent for Tier 1.</p> <p>b. Not more than 25 percent for Tier 2.</p> <p>3. Utilize at least 75 percent native California or drought tolerant plant and tree species appropriate for the climate zone region.</p> <p>4. Hydrozoning irrigation techniques are incorporated into the landscape design.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>A4.106.4 Permeable paving is utilized for the parking walking or patio surfaces in compliance with the following:</p> <p>Tier 1. Not less than 20 percent of the total parking, walking or patio surfaces shall be permeable.</p> <p>Tier 2. Not less than 30 percent of the total parking, walking or patio surfaces shall be permeable.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>A4.106.5 Roofing materials shall have a minimum 3-year aged solar reflectance and thermal emittance or a minimum Solar Reflectance Index (SRI) equal to or greater than the values specified in Tables A4.106.5.1(1) and A4.106.5.1(2) for low-rise residential buildings and Tables A4.106.5.1(3) and A4.106.5.1(4) for high rise residential buildings.</p> <p>Low-rise Residential</p> <p>Tier 1 roof covering shall meet or exceed the values contained in Table A4.106.5.1(1).</p> <p>Tier 2 roof covering shall meet or exceed the values contained in Table A4.106.5.1(2).</p> <p>High-rise Residential, Hotels and Motels</p> <p>Tier 1 roof covering shall meet or exceed the values contained in Table A4.106.5.1(3).</p> <p>Tier 2 roof covering shall meet or exceed the values contained in Table A4.106.5.1(4).</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEVELS			VERIFICATIONS			

