

# Summary Comparison of Residential Green Building Rating Systems and CALGreen Code in 2014



This is a high-level comparison of the new GreenPoint Rated New Home Single Family and Multifamily Version 6, the new 2013 CALGreen code, and LEED for Homes Version 4. The measures and credits compared here are not necessarily equivalent, please refer to the draft GPR Version 6 manual for more specific information on the new GPR measures, the CALGreen code for additional information on the CALGreen Tiers, and [www.usgbc.org/v4](http://www.usgbc.org/v4) for information about LEED for Homes.

This document has been reviewed by StopWaste, San Francisco Department of the Environment, Build It Green, the US Green Building Council, and USGBC California. Although every effort has been made to ensure accuracy, be advised that information may change, and that some comparisons are based on professional judgment by the reviewers. Use at your own risk.

Measure	GPR Pts	CALGreen Tier 1 and 2	LEED-H credit	LEED Points
CALGreen Mandatory Measures (REQUIRED)	4	Required		
<b>A. SITE</b>				
A1. Construction Footprint	1	A4.106.2.2, A4.106.2.3	SSp1	Prereq
A2. Job Site Construction Waste Diversion				
A2.1 65% C&D Waste Diversion (Including Alternative Daily Cover)	2	A4.105.2, A4.408.1	MRc4	1-3
A2.2 65% C&D Waste Diversion (Excluding Alternative Daily Cover)	2	A4.105.2, A4.408.1	MRc4	Already Counted
A2.3 Recycling Rates from Third-Party Verified Mixed-Use Waste Facility	1			
A3. Recycled Content Base Material	1	A4.405.3	MRc3	1
A4. Heat Island Effect Reduction (Non-Roof)	1	A4.106.7 A4.106.5	SSc1	1-2
A5. Construction Environmental Quality Management Plan Including Flush-Out	1	A4.407.4, 4.504.1, A4.506.1, A4.506.2 (HR)	EQc2	0.5
A6. Stormwater Control: Prescriptive Path				
A6.1 Permeable Paving Material	1	A4.106.4	SSc2	1-3
A6.2 Filtration and/or Bio-Retention Features	1		SSc2	2-3
A6.3 Non-Leaching Roofing Materials	1			
A6.4 Smart Stormwater Street Design	1		SSc2	Already Counted
A7. Stormwater Control: Performance Path	3		SSc2	Already Counted
<b>B. FOUNDATION</b>				
B1. Fly Ash and/or Slag in Concrete	1	A4.403.2	MRc3	0.5-1
B2. Radon-Resistant Construction	2		EQp4	Prereq
B3. Foundation Drainage System	2	A4.407.1, A4.407.2	EAp1	Prereq
B4. Moisture Controlled Crawlspace	1		EAp1.1	Prereq
B5. Structural Pest Controls				
B5.1 Termite Shields and Separated Exterior Wood-to-Concrete Connections	1	4.406.1	SSc3	0.5-2
B5.2 Plant Trunks, Bases, or Stems at Least 36 Inches from the Foundation	1		SSc3	0.5
<b>C. LANDSCAPE</b>				
C1. Plants Grouped by Water Needs (Hydrozoning)	1	A4.106.3	WEc1	1-12
C2. Three Inches of Mulch in Planting Beds	1			
C3. Resource Efficient Landscapes				
C3.1 No Invasive Species Listed by Cal-IPC	1	A4.106.3	SSp2	Prereq
C3.2 Plants Chosen and Located to Grow to Natural Size	1			
C3.3 Drought Tolerant, California Native, Mediterranean Species, or Other Appropriate Species	3	A4.106.3	WEc1, WEc3	1-12, 1-4

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Measure	GPR Pts	CALGreen Tier 1 and 2	LEED-H credit	LEED Points
C4. Minimal Turf in Landscape				
C4.1 No Turf on Slopes Exceeding 10% and No Overhead Sprinklers Installed in Areas Less Than Eight Feet Wide	2			
C4.2 Turf on a Small Percentage of Landscaped Area	2	A4.106.3	WEc3	1-4
C5. Trees to Moderate Building Temperature	3	A4.106.7	SSc1	1-2
C6. High-Efficiency Irrigation System	2	A4.304.1	WEc1	1-12
C7. One Inch of Compost in the Top Six to Twelve Inches of Soil	2			
C8. Rainwater Harvesting System	3	A4.304.2	WEc1	1-12
C9. Recycled Wastewater Irrigation System	1	A4.304.5, A4.305.1, A4.305.2, A4.305.3	WEc1	1-12
C10. Submeter or Dedicated Meter for Landscape Irrigation	2	A4.304.6	EAc3	1
C11. Landscape Meets Water Budget	2	A4.304.3, A4.304.4	WEc1	1-12
C12. Environmentally Preferable Materials for Site				
C12.1 Environmentally Preferable Materials for 70% of Non-Plant Landscape Elements and Fencing	1	A4.405.3, A4.405.4	MRC3	1
C13. Reduced Light Pollution	1	A4.106.10	EAc13	0.5-1
C14. Large Stature Tree(s)	1			
C15. Third Party Landscape Program Certification	1			
C16. Maintenance Contract with Certified Professional	1			
C17. Community Garden	MF only (2)			
<b>D. STRUCTURAL FRAME AND BUILDING ENVELOPE</b>				
D1. Optimal Value Engineering				
D1.1 Joists, Rafters, and Studs at 24 Inches on Center	3		MR4	0.5 - 1.5
D1.2 Non-Load Bearing Door and Window Headers Sized for Load	1	A4.404.1	MR4	0.5
D1.3 Advanced Framing Measures	2		EA1	prereq
D2. Construction Material Efficiencies	1	A4.404.2, A4.404.3, A4.404.4	MRC4	0.5-2
D3. Engineered Lumber				
D3.1 Engineered Beams and Headers	1			
D3.2 Wood I-Joists or Web Trusses for Floors	1			
D3.3 Engineered Lumber for Roof Rafters	1			
D3.4 Engineered or Finger-Jointed Studs for Vertical Applications	1			
D3.5 OSB for Subfloor	0.5			
D3.6 OSB for Wall and Roof Sheathing	0.5			
D4. Insulated Headers	1		EAp1	*prereq
D5. FSC-Certified Wood				
D5.1 Dimensional Lumber, Studs, and Timber	6		MRC3, MRp1	0.5-5
D5.2 Panel Products	3		MRC3, MRp1	0.5-5
D6. Solid Wall Systems				
D6.1 At Least 90% of Floors	1	A4.404.3		
D6.2 At Least 90% of Exterior Walls	2	A4.404.3	MRC2	1
D6.3 At Least 90% of Roofs	2	A4.404.3		
D7. Energy Heels on Roof Trusses	1			
D8. Overhangs and Gutters	2	A4.407.6, A4.407.7	SSc3	0.5
D9. Reduced Pollution Entering the Home from the Garage				
D9.1 Detached Garage	2		EQc6 option2	2
D9.2 Mitigation Strategies for Attached Garage	1		EA1.1, EQp3, EQc6	prereq/credit
D10. Structural Pest and Rot Controls				
D10.1 All Wood Located At Least 12 Inches Above the Soil	1		SSc3	0.5
D10.2 Wood Framing Treated With Borates or Factory-Impregnated, or Wall Materials Other Than Wood	1	A4.406.1	SSc3	0.5
D11. Moisture-Resistant Materials in Wet Areas (such as Kitchen, Bathrooms, Utility Rooms, and Basements)	2		MRp2	prereq
<b>E. EXTERIOR</b>				

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Measure	GPR Pts	CALGreen Tier 1 and 2	LEED-H credit	LEED Points
E1. Environmentally Preferable Decking	1	A4.405.3, A4.405.4	MRC3	1
E2. Flashing Installation Third-Party Verified	2	A4.407.3	EA1.1	prereq
E3. Rain Screen Wall System	2			
E4. Durable and Non-Combustible Cladding Materials	1			
E5. Durable Roofing Materials				
E5.1 Durable and Fire Resistant Roofing Materials or Assembly	1		MR3	prereq
E6. Vegetated Roof	4	A4.106.6	SSc2	1-3
<b>F. INSULATION</b>				
F1. Insulation with 30% Post-Consumer or 60% Post-Industrial Recycled Content				
F1.1 Walls and Floors	1	A4.405.3	MRC3	0.5
F1.2 Ceilings	1	A4.405.3	MRC3	Already Counted
F2. Insulation Meets CDPH Low Emissions Residential Standard				
F2.1 Walls and Floors	1	A4.504.3	MRC3	0.5
F2.2 Ceilings	1	A4.504.3	MRC3	0.5
F3. Insulation That Does Not Contain Fire Retardants				
F3.1 Cavity Walls and Floors	1			
F3.2 Ceilings	1			
F3.3 Interior and Exterior	1			
<b>G. PLUMBING</b>				
G1. Efficient Distribution of Domestic Hot Water				
G1.1 Insulated Hot Water Pipes	1		EAc2	2
G1.2 WaterSense Volume Limit for Hot Water Distribution			EA2	2-5
G1.3 Increased Efficiency in Hot Water Distribution	2		EA2	2-5
G2. Install Water-Efficient Fixtures				
G2.1 WaterSense Showerheads with Matching Compensation Valve	2	4.303.1, 4.303.2	WE2, WE3	1-12, 1-6
G2.2 WaterSense Bathroom Faucets	1	4.303.1, 4.303.2	WE2, WE3	Already Counted
G2.3 WaterSense Toilets with a Maximum Performance (MaP) Threshold of No Less Than 500 Grams	1	4.303.1, 4.303.2	WE2, WE3	Already Counted
G3. Pre-Plumbing for Graywater System	1	A4.305.1		
G4. Operational Graywater System	3	A4.303.2	WE2	Already Counted
G5. Submeter Water for Tenants	2		WE1.1	Prereq
<b>H. HEATING, VENTILATION, AND AIR CONDITIONING</b>				
H1. Sealed Combustion Units				
H1.1 Sealed Combustion Furnace	1	A4.506.3	EQp2, EQ c5	Prereq, 1-2
H1.2 Sealed Combustion Water Heater	2	A4.506.3	EQp2, EQ c5	Already Counted
H2. High Performing Zoned Hydronic Radiant Heating System	2		EAc11	2-3
H3. Effective Ductwork				
H3.1 Duct Mastic on Duct Joints and Seams	1		EA1.1	Prereq
H3.2 Pressure Balance the Ductwork System	1		EQ3	1
H4. ENERGY STAR® Bathroom Fans Per HVI Standards with Air Flow Verified	1		EQp1, EQc3	Prereq, 1-3
H5. Advanced Practices for Cooling				
H5.1 ENERGY STAR Ceiling Fans in Living Areas and Bedrooms	1		EAc10	1-4
H5.2 Operable Windows and Skylights Located to Induce Cross Ventilation in At Least One Room in 80% of Units	1			
H6. Whole House Mechanical Ventilation Practices to Improve Indoor Air Quality				
H6.1 Meet ASHRAE 62.2-2012 Ventilation Residential Standards	R		EQp1	Prereq
H6.2 Advanced Ventilation Standards	1		EQc1	1-2
H6.3 Outdoor Air Ducted to Bedroom and Living Areas	2			
H7. Effective Range Hood Design and Installation				
H7.1 Effective Range Hood Ducting and Design	1			

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H7.2 Automatic Range Hood Control	1			
H8. No Fireplace or Sealed Gas Fireplace	1	4.503.1	EQp2	Prereq
H9. Humidity Control Systems	1		EQc3	1
H10. Register Design Per ACCA Manual T	1			
<b>I. RENEWABLE ENERGY</b>				
I1. Pre-Plumbing for Solar Water Heating	1		EAc3	1
I2. Preparation for Future Photovoltaic Installation	1		EAc3	1
I3. Onsite Renewable Generation (Solar PV, Solar Thermal, and Wind)	25		EA1.4	Already Counted
I4. Net Zero Energy Home				
I4.1 Near Zero Energy Home	2		EAp1.4	Already Counted
I4.2 Net Zero Electric	4		EAp1.4	Already Counted
I5. Solar Hot Water Systems to Preheat Domestic Hot Water	4		EAp1.4	Already Counted
I6. Photovoltaic System for Multifamily Projects	12		EAp1.4	Already Counted
<b>J. BUILDING PERFORMANCE AND TESTING</b>				
J1. Third-Party Verification of Quality of Insulation Installation	1	A4.203.1.1.2	EAp1.1	Prereq
J2. Supply and Return Air Flow Testing	2		EAp1.1, EQc3	Prereq, 1
J3. Mechanical Ventilation Testing and Low Leakage	1		EA1.1	Prereq
J4. Combustion Appliance Safety Testing	1		EQc4	1
J5. Building Performance Exceeds Title 24 Part 6				
J5.1 Home Outperforms Title 24 Part 6	60	A4.201.1, A4.203.1.1.1, A4.203.1.2.1, A4.204.1.2.1	EA1.4	1-30
J5.2 Non-Residential Spaces Outperform Title 24 - 1 pt for every 1% above minimum	60		N/A	N/A
J6. Title 24 Prepared and Signed by a CABEC Certified Energy Analyst	1		EAp1	Prereq
J7. Participation in Utility Program with Third-Party Plan Review	1		EA3	1
J8. ENERGY STAR for Homes	1		EA1.1	prereq
J9. EPA Indoor airPlus Certification	1		EQp1, EQp2, EQp3, EQp4, EQp6, EQc2, EQc5, EQc6,	5 prereqs, 2.5 points
J10. Blower Door Testing	2		EAc1.1, EAc4	0.5-1
<b>K. FINISHES</b>				
K1. Entryways Designed to Reduce Tracked-In Contaminants				
K1.1 Individual Entryways	1		MRp2, EQc2	prereq, 0.5-1.5
K1.2 Building Entryways	1		MRp2	prereq
K2. Zero-VOC Interior Wall and Ceiling Paints	2	4.504.2.2, 4.504.2.4	EQc7	0.5
K3. Low-VOC Caulks and Adhesives	1	4.504.2.1, 4.504.2.4	EQc7	0.5
K4. Environmentally Preferable Materials for Interior Finish				
K4.1 Cabinets	2	A4.405.3, A4.405.4	EQc7	1
K4.2 Interior Trim	2	A4.405.3, A4.405.4	EQc7	Already Counted
K4.3 Shelving	2	A4.405.3, A4.405.4	EQc7	Already Counted
K4.4 Doors	2	A4.405.3, A4.405.4	EQc7	Already Counted
K4.5 Countertops	1	A4.405.3, A4.405.4	EQc7	Already Counted
K5. Formaldehyde Emissions in Interior Finish Exceed CARB				
K5.1 Doors	1	4.504.5, A4.504.1	EQc7	Already Counted
K5.2 Cabinets and Countertops	2	4.504.5, A4.504.1	EQc7	Already Counted
K5.3 Interior Trim and Shelving	2	4.504.5, A4.504.1	EQc7	Already Counted
K6. Products That Comply With the Health Product Declaration Open Standard	2		ID	1
K7. Indoor Air Formaldehyde Level Less Than 27 Parts Per Billion	2		EQc2	1

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Measure	GPR Pts	CALGreen Tier 1 and 2	LEED-H credit	LEED Points
K8. Comprehensive Inclusion of Low Emitting Finishes	1	4.504.2	EQc7	1
K9. Durable Cabinets	2			
K10. At Least 25% of Interior Furniture Has Environmentally Preferable Attributes	1	A4.405.3, A4.405.4		
<b>L. FLOORING</b>				
L1. Environmentally Preferable Flooring	3	A4.405.2, A4.405.3, A4.405.4	MRC7	1
L2. Low-Emitting Flooring Meets CDPH 2010 Standard Method—Residential	3	A4.405.2, 4.504.3, 4.504.4	EQc7	1
L3. Durable Flooring	1		MRC1	0
L4. Thermal Mass Flooring	1			
<b>M. APPLIANCES AND LIGHTING</b>				
M1. ENERGY STAR® Dishwasher	1	A4.303.3	EAp1 Item 2, EAc14	.5
M2. CEE-Rated Clothes Washer	3	A4.303.3	EAp1 Item 2	prereq
M3. Size-Efficient ENERGY STAR Refrigerator	2		EAp1 Item 2, EAc14	1
M4. Permanent Centers for Waste Reduction Strategies				
M4.1 Built-In Recycling Center	1			
M4.2 Built-In Composting Center	1			
M5. Lighting Efficiency				
M5.1 High-Efficacy Lighting	2	A4.203.1.1.3, A4.204.1.1.1	EAc1.3 (Lighting)	0.5-1.5
M5.2 Lighting System Designed to IESNA Foot-candle Standards or Designed by Lighting Consultant	2			
M6. Central Laundry (for Multifamily program only)	MF only (1)			
M7. Gearless Elevator	1			
<b>N. COMMUNITY</b>				
N1. Smart Development				
N1.1 Infill Site	2	A4.103.1	LT2.2a, LT2.3	4+2=6
N1.2 Designated Brownfield Site	2	A4.103.1		
N1.3 Conserve Resources by Increasing Density	4		LT3	1-3
N1.4 Cluster Homes for Land Preservation	2			
N1.5 Home Size Efficiency	9		EAp4, EAc1	prereq
N2. Home(s)/Development Located Within 1/2 Mile of a Major Transit Stop	2		LT5	1-2
N3. Pedestrian and Bicycle Access				
N3.1 Pedestrian Access to Services Within 1/2 Mile of Community Services	2	A4.103.2	LT4	1-2
N3.2 Connection to Pedestrian Pathways	1		LT2.5	1
N3.3 Traffic Calming Strategies	2			
N3.4 Sidewalks Buffered from Roadways and 5-8 Feet Wide	1			
N3.5 Bicycle Storage for Residents	1	A4.106.9.1	LT2.6	1
N3.6 Bicycle Storage for Non-Residents	1	A4.106.9.1	LT2.6	Already Counted
N3.7 Reduced Parking Capacity	2			
N4. Outdoor Gathering Places				
N4.1 Public or Semi-Public Outdoor Gathering Places for Residents	1			
N4.2 Public Outdoor Gathering Places with Direct Access to Tier 1 Community Services	1			
N5. Social Interaction				
N5.1 Residence Entries with Views to Callers	1			
N5.2 Entrances Visible from Street and/or Other Front Doors	1			
N5.3 Porches Oriented to Street and Public Space	1			
N5.4 Social Gathering Space	1			
N6. Passive Solar Design				

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N6.1 Heating Load	2		EA6	3pts
N6.2 Cooling Load	2		EA6	3pts
<b>N7. Adaptable Building</b>				
N7.1 Universal Design Principles in Units	2			
N7.2 Full-Function Independent Rental Unit	1			
<b>N8. Affordability</b>				
N8.1 Dedicated Units for Households Making 80% of AMI or Less	2			
N8.2 Units with Multiple Bedrooms for Households Making 80% of AMI or Less	1			
N8.3 At Least 20% of Units at 120% AMI or Less are For Sale	1			
<b>N9. Mixed-Use Developments</b>				
N9.1 Live/Work Units Include a Dedicated Commercial Entrance	1			
N9.2 At Least 2% of Development Floor Space Supports Mixed Use	1			
N9.3 Half of the Non-Residential Floor Space is Dedicated to Community Service	1			
<b>O. OTHER</b>				
O1. GreenPoint Rated Checklist in Blueprints	R			
O2. Pre-Construction Kickoff Meeting with Rater and Subcontractors	2		INp1, ID1.3	prereq, 1
O3. Orientation and Training to Occupants—Conduct Educational Walkthroughs	2	4.410.01	EA1.3	prereq
O4. Builder's or Developer's Management Staff are Certified Green Building Professionals	2	A4.104.1		
O5. Home System Monitors	2		EA3	1
<b>O6. Green Building Education</b>				
O6.1 Marketing Green Building	2			
O6.2 Green Building Signage	1			
O7. Green Appraisal Addendum	R			
O8. Detailed Durability Plan and Third-Party Verification of Plan Implementation	1		MRp2, MRc1	prereq, 1
O9. Residents Are Offered Free or Discounted Transit Passes	2			
O10. Vandalism Deterrence Practices and Vandalism Management Plan	1			
<b>P. DESIGN CONSIDERATIONS</b>				
P1. Acoustics: Noise and Vibration Control	2		EAp1	prereq
<b>P2. Mixed-Use Design Strategies</b>				
P2.1 Tenant Improvement Requirements for Build-Outs	2			
P2.2 Commercial Loading Area Separated for Residential Area	1			
P2.3 Separate Mechanical and Plumbing Systems	1			
<b>P3. Commissioning</b>				
P3.1 Design Phase	2		EA1.1	*prereq
P3.2 Construction Phase	2		EA1.1	*prereq
P3.3 Post-Construction Phase	2		EA1.1	*prereq
P4. Building Enclosure Testing	3		Innovation	1
Total Points Possible	>300			

HR = High Rise  
MF = Multifamily