

Comparing Residential Green Building Rating Systems and the CALGreen Code in 2014

This document contains a high-level comparison of the new GreenPoint Rated New Home Single Family and Multifamily Version 6, the new 2013 California Green Building code (CALGreen), and LEED for Homes Version 4.

The measures and credits compared here are not necessarily equivalent; please refer to the referenced documents for more detail on individual measures and credits. Where "No CALGreen Reference" and "No LEED credit Reference" is noted there is not direct measure or credit that aligns within that system compared to GreenPoint Rated.

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.



	GreenPoint Rated v6	CALGreen 2013 Tier 1	CALGreen 2013 Tier 2	LEED for Homes v4
Geographic Focus	California	California	California	United States
Stringency	Voluntary unless locally adopted	Voluntary unless locally adopted	Voluntary unless locally adopted	Voluntary unless locally adopted
Scope	Single Family (SFR) Multifamily (MF)	All Residential Dwellings	All Residential Dwellings	Single Family Mid-Rise High-Rise (falls under LEED Building Design & Construction)
Building Age	Existing & New Construction	New Construction & Retrofits	New Construction & Retrofits	New Construction
Assurance/verification	Third Party Rater	Building Official	Building Official	Third party Provider and Green Rater
Verification Timing	Plan Check, Construction Verification & Performance Testing	Plan Check, Construction Verification & Performance Testing	Plan Check, Construction Verification & Performance Testing	Preliminary Rating during Conceptual Design; Construction Verification & Performance Testing
# of Prereqs	SFR: 5, MF: 6	9	9	19
Points Possible	Capped at 300			up to 163
Recognition Levels (point scales)	Platinum (140 points or more) Gold (110 - 139 points) Silver (80 - 109 points) Certified (50 - 79 points)	Tier 1	Tier 2	Platinum (90+) Gold (75 - 89) Silver (60 - 74) Certified (45 - 59)
Recognition	Certification- GreenPoint Rated			Certification- LEED Certified
Required Credits by System				
General Prerequisites	Minimum points in each category	Minimum measures in each category	Minimum measures in each category	Minimum points in each category
	Minimum total points			Minimum total points
	CALGreen Mandatory Measures	CALGreen Mandatory Measures	CALGreen Mandatory Measures	
	Green Appraisal Addendum			
	GreenPoint Rated Checklist in Blueprints			Minimum Project Requirements
				Preliminary Rating (conduct a LEED-charrette meeting)

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Site/Location Prerequisites				Flood Plane Avoidance
		Topsoil shall be protected or saved for reuse.	Limit construction activity to the construction area.	Construction Activity Pollution Prevention
		Turf limited to 50%	Turf limited to 25%	No Invasive Plants
Water Prerequisites				Water Metering
		Develop water budget conforming to local or California Model Landscape Ordinance.	Develop water budget conforming to local or California Model Landscape Ordinance.	
		Irrigation Designed < 65% Eto times landscape area	Irrigation Designed < 60% Eto times landscape area	
Energy Prerequisites	Building Performance Exceeds Title 24 Part 6. 15% above 2008 energy code and TBD % above 2013 energy code.	The Energy Budget is < 85% of the Title 24, Part 6, Energy Budget for the Proposed Design Building. Please note there are additional prescriptive requirements.	The Energy Budget is < 70% of the Title 24, Part 6, Energy Budget for the Proposed Design Building. Please note there are additional prescriptive requirements.	Minimum Energy Performance: Energy Star for Homes + Energy Star appliances + fully ducted
				Energy Metering
				Education of Homeowner, Tenant or Building Owner
				Home Size point adjustments
Material Prerequisites		Waste Diversion - 65%	Waste Diversion - 75%	
		Replace at least 20% of Portland Cement content in Concrete Mix	Replace at least 25% of Portland Cement content in Concrete Mix	
				Certified Tropical Wood
		≥ 10% of Total Material Cost to be recycled content	≥ 15% of Total Material Cost to be recycled content	Durability Management (water management & moisture control)
	Durable Roofing (multifamily)			
Health Prerequisites		Thermal insulation meets VOC-emission limits	Thermal insulation meets VOC limits and contains no added formaldehyde	
	Meet ASHRAE 62.2-2012 Ventilation Standards			Meet ASHRAE 62.2-2012 Ventilation Standards
				Combustion Venting (incl. CO sensors, enclosed fireplaces)
				Garage Pollution Prevention
				Radon Resistant Construction
				Air Filtering (MERV 8 or 6)
				Environmental Tobacco Smoke Control
				Compartmentalization between units

References

GreenPoint Rated version 6: GPR New Home Rating Manual version 6.0, January 2014, www.greenpointrated.com.

CALGreen 2013: California Green Building Standards Code California Code of Regulations, Title 24, Part 11 (California Department of Housing and Community Development), www.hcd.ca.gov.

LEED for Homes version 4: www.usgbc.org/v4