

Single Family GreenPoint Checklist

date: _____



The GreenPoint Checklist is based on the various green features incorporated into the home and is the basis for the GreenPoint Rated program. A home can be considered green if it fulfills the prerequisites, earns at least 50 points, and meets the minimum points per category: Energy (30), Indoor Air Quality/Health (5), Resources (6), and Water (9). Please contact Build It Green for a list of qualified GreenPoint Raters if you are interested in pursuing third-party verification.

The green building practices listed below are described in the New Home Construction Green Building Guidelines, available at www.builditgreen.org

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ENTER PROJECT NAME	Points Achieved	Community	Energy	IAQ/Health	Resources	Water
A. SITE		Points Available Per Measure				
1. Protect Topsoil and Minimize Disruption of Existing Plants & Trees						
<input type="checkbox"/> a. Protect Topsoil from Erosion and Reuse after Construction	0	1				1
<input type="checkbox"/> b. Limit and Delineate Construction Footprint for Maximum Protection	0					1
2. Deconstruct Instead of Demolishing Existing Buildings On Site	0				3	
3. Recycle Job Site Construction Waste (Including Green Waste)						
<input type="checkbox"/> a. Minimum 50% Waste Diversion by Weight (Recycling or Reuse) -Required	0				R	
<input type="checkbox"/> b. Minimum 65% Diversion by Weight (Recycling or Reuse)	0				2	
<input type="checkbox"/> c. Minimum 80% Diversion by Weight (Recycling or Reuse)	0				2	
4. Use Recycled Content Aggregate (Minimum 25%)						
<input type="checkbox"/> a. Walkway and Driveway	0				1	
<input type="checkbox"/> b. Roadway Base	0				1	
Total Points Available in Site = 12		0				
B. FOUNDATION		Points Available Per Measure				
1. Replace Portland Cement in Concrete with Recycled Flyash or Slag						
<input type="checkbox"/> a. Minimum 20% Flyash or Slag	0				1	
<input type="checkbox"/> b. Minimum 25% Flyash or Slag	0				1	
2. Use Frost-Protected Shallow Foundation in Cold Areas (C.E.C. Climate Zone 16)	0				3	
3. Use Radon Resistant Construction (In At-Risk Locations Only)	0			1		
4. Design and Build Structural Pest Controls						
<input type="checkbox"/> a. Install Termite Shields & Separate All Exterior Wood-to-Concrete Connections by Metal or Plastic Fasteners/Dividers	0				1	
<input type="checkbox"/> b. All New Plants Have Trunk, Base, or Stem Located At Least 36 Inches from Foundation	0				1	
Total Points Available in Foundation = 8		0				
C. LANDSCAPING		Points Available Per Measure				
1. Construct Resource-Efficient Landscapes						
<input type="checkbox"/> a. No Invasive Species Listed by Cal-IPC Are Planted	0					1
<input type="checkbox"/> b. No Plant Species Will Require Hedging	0				1	
<input type="checkbox"/> c. 75% of Plants Are Drought-tolerant California Natives, Mediterranean, or Other Appropriate Species	0					3
2. Use Fire-Safe Landscaping Techniques	0	1				
3. Minimize Turf Areas in Landscape Installed by Builder						
<input type="checkbox"/> a. All Turf Will Have a Water Requirement Less than or Equal to Tall Fescue (0.8 plant factor)	0					2
<input type="checkbox"/> b. Turf Shall Not Be Installed on Slopes Exceeding 10% or in Areas Less than 8 Feet Wide	0					2
<input type="checkbox"/> c. Turf is ≤33% of Landscaped Area (total 2 points)	0					2
<input type="checkbox"/> d. Turf is ≤10% of Landscaped Area (total 4 points)	0					2
4. Plant Shade Trees	0					3
5. Group Plants by Water Needs (Hydrozoning)	0					2
6. Install High-Efficiency Irrigation Systems						
<input type="checkbox"/> a. System Uses Only Low-Flow Drip, Bubblers, or Low-flow Sprinklers	0					2
<input type="checkbox"/> b. System Has Smart Controllers	0					3
7. Incorporate Two Inches of Compost in the Top 6 to 12 Inches of Soil	0					3
8. Mulch All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement	0					2
9. Use 50% Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements	0				1	
10. Reduce Light Pollution by Shielding Fixtures and/or Directing Light Downward	0	1				
Total Points Available in Landscaping = 31		0				
D. STRUCTURAL FRAME & BUILDING ENVELOPE		Points Available Per Measure				
1. Apply Optimal Value Engineering						
<input type="checkbox"/> a. Place Rafters and Studs at 24-Inch On Center Framing	0				1	
<input type="checkbox"/> b. Size Door and Window Headers for Load	0				1	
<input type="checkbox"/> c. Use Only Jack and Cripple Studs Required for Load	0				1	
2. Use Engineered Lumber						
<input type="checkbox"/> a. Beams and Headers	0				1	
<input type="checkbox"/> b. Insulated Engineered Headers	0		1			
<input type="checkbox"/> c. Wood I-Joists or Web Trusses for Floors	0				1	

ENTER PROJECT NAME		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
<input type="checkbox"/>	d. Wood I-Joists for Roof Rafters	0				1	
<input type="checkbox"/>	e. Engineered or Finger-Jointed Studs for Vertical Applications	0				1	
<input type="checkbox"/>	f. Oriented Strand Board for Subfloor	0				1	
<input type="checkbox"/>	g. Oriented Strand Board for Wall and Roof Sheathing	0				1	
3. Use FSC-Certified Wood							
<input type="checkbox"/>	a. Dimensional Lumber, Studs and Timber: Minimum 40%	0				2	
<input type="checkbox"/>	b. Dimensional Lumber, Studs and Timber: Minimum 70%	0				2	
<input type="checkbox"/>	c. Panel Products: Minimum 40%	0				1	
<input type="checkbox"/>	d. Panel Products: Minimum 70%	0				1	

ENTER PROJECT NAME		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
4. Use Solid Wall Systems (Includes SIPs, ICFs, & Any Non-Stick Frame Assembly)							
<input type="checkbox"/>	a. Floors	0		2		2	
<input type="checkbox"/>	b. Walls	0		2		2	
<input type="checkbox"/>	c. Roofs	0		2		2	
5. Reduce Pollution Entering the Home from the Garage							
<input type="checkbox"/>	a. Tightly Seal the Air Barrier between Garage and Living Area	0			1		
<input type="checkbox"/>	b. Install Garage Exhaust Fan OR Build a Detached Garage	0			1		
6. Design Energy Heels on Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)		0		1			
7. Design Roof Trusses to Accommodate Ductwork		0		1			
8. Use Recycled-Content Steel Studs for 90% of Interior Wall Framing		0				1	
9. Thermal Mass Walls: 5/8-Inch Drywall on All Interior Walls or Walls Weighing more than 40 lb/cu.ft.		0		1			
10. Install Overhangs and Gutters							
<input type="checkbox"/>	a. Minimum 16-Inch Overhangs and Gutters	0				1	
<input type="checkbox"/>	b. Minimum 24-Inch Overhangs and Gutters	0		1			
Total Points Available in Structural Building Frame and Envelope = 36		0					
E. EXTERIOR FINISH			Points Available Per Measure				
<input type="checkbox"/>	1. Use Recycled-Content (No Virgin Plastic) or FSC-Certified Wood Decking	0				2	
<input type="checkbox"/>	2. Install a Rain Screen Wall System	0				2	
<input type="checkbox"/>	3. Use Durable and Noncombustible Siding Materials	0				1	
<input type="checkbox"/>	4. Select Durable and Noncombustible Roofing Materials	0				2	
Total Points Available in Exterior Finish =		0					
F. INSULATION			Points Available Per Measure				
1. Install Insulation with 75% Recycled Content							
<input type="checkbox"/>	a. Walls and/or Floors	0				1	
<input type="checkbox"/>	b. Ceilings	0				1	
2. Install Insulation that is Low-Emitting (Certified Section 01350)							
<input type="checkbox"/>	a. Walls and/or Floors	0			1		
<input type="checkbox"/>	b. Ceilings	0			1		
<input type="checkbox"/>	3. Inspect Quality of Insulation Installation before Applying Drywall	0		1			
Total Points Available in Insulation = 5		0					
G. PLUMBING			Points Available Per Measure				
1. Distribute Domestic Hot Water Efficiently (Maximum 7 Points)							
<input type="checkbox"/>	a. Insulate Hot Water Pipes from Water Heater to Kitchen	0		1			1
<input type="checkbox"/>	b. Insulate All Hot Water Pipes	0		1			1
<input type="checkbox"/>	c. Use Engineered Parallel Piping	0					1
<input type="checkbox"/>	d. Use Engineered Parallel Piping with Demand Controlled Circulation Loop	0					1
<input type="checkbox"/>	e. Use Structured Plumbing with Demand Controlled Circulation Loop	0		1			2
<input type="checkbox"/>	f. Use Central Core Plumbing	0		1		1	2
<input type="checkbox"/>	2. Install Only High Efficiency Toilets (Dual-Flush or ≤1.28 gpf)	0					4
Total Points Available in Plumbing = Total 12		0					
H. HEATING, VENTILATION & AIR CONDITIONING			Points Available Per Measure				
<input type="checkbox"/>	1. Design and Install HVAC System to ACCA Manual J, D, and S Recommendations	0		4			
2. Install Sealed Combustion Units							
<input type="checkbox"/>	a. Furnaces	0			2		
<input type="checkbox"/>	b. Water Heaters	0			2		
<input type="checkbox"/>	3. Install Zoned, Hydronic Radiant Heating with Slab Edge Insulation	0		1	1		
<input type="checkbox"/>	4. Install High Efficiency Air Conditioning with Environmentally Responsible Refrigerants	0	1				
5. Design and Install Effective Ductwork							
<input type="checkbox"/>	a. Install HVAC Unit and Ductwork within Conditioned Space	0		3			
<input type="checkbox"/>	b. Use Duct Mastic on All Duct Joints and Seams	0		1			
<input type="checkbox"/>	c. Install Ductwork under Attic Insulation (Buried Ducts)	0		1			
<input type="checkbox"/>	d. Pressure Balance the Ductwork System	0		1			
<input type="checkbox"/>	e. Protect Ducts during Construction and Clean All Ducts before Occupancy	0		1			
<input type="checkbox"/>	6. Install High Efficiency HVAC Filter (MERV 6+)	0			1		
<input type="checkbox"/>	7. Don't Install Fireplace or Install Sealed Gas Fireplaces with Efficiency Rating Not Less Than 60% using CSA Standards	0			1		
8. Install Effective Exhaust Systems in Bathrooms and Kitchens							
<input type="checkbox"/>	a. Install ENERGY STAR Bathroom Fans Vented to the Outside	0			1		
<input type="checkbox"/>	b. All Bathroom Fans Are on Timer or Humidistat	0			1		
<input type="checkbox"/>	c. Install Kitchen Range Hood Vented to the Outside	0			1		
9. Install Mechanical Ventilation System for Cooling (Maximum 4 Points)							
<input type="checkbox"/>	a. Install ENERGY STAR Ceiling Fans & Light Kits in Living Areas & Bedrooms	0		1			
<input type="checkbox"/>	b. Install Whole House Fan with Variable Speeds	0		1			

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<input type="checkbox"/>	c. Automatically Controlled Integrated System	0		2			
<input type="checkbox"/>	d. Automatically Controlled Integrated System with Variable Speed Control	0		3			
10. Install Mechanical Fresh Air Ventilation System (Maximum 3 Points)							
<input type="checkbox"/>	a. Any Whole House Ventilation System That Meets ASHRAE 62.2	0			2		
<input type="checkbox"/>	b. install Air-to-Air Heat Exchanger that meets ASHRAE 62.2	0		1	2		
<input type="checkbox"/>	11. Install Carbon Monoxide Alarm(s)	0			1		
Total Points Available in Heating, Ventilation and Air Conditioning = 30		0					

ENTER PROJECT NAME		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
I. RENEWABLE ENERGY			Points Available Per Measure				
<input type="checkbox"/>	1. Pre-Plumb for Solar Hot Water Heating	0		4			
<input type="checkbox"/>	2. Install Solar Water Heating System	0		10			
<input type="checkbox"/>	3. Install Wiring Conduit for Future Photovoltaic Installation & Provide 200 ft ² of South-Facing Roof	0		2			
	4. Install Photovoltaic (PV) Panels						
<input type="checkbox"/>	a. 30% of electric needs OR 1.2 kW (total 6 points)	0		6			
<input type="checkbox"/>	b. 60% of electric needs OR 2.4kW (total 12 points)	0		6			
<input type="checkbox"/>	c. 90% of electric need OR 3.6 kW (total 18 points)	0		6			
Total Available Points in Renewable Energy = 28		0					
J. BUILDING PERFORMANCE			Points Available Per Measure				
	1. Diagnostic Evaluations						
<input type="checkbox"/>	a. House Passes Blower Door Test	0		1			
<input type="checkbox"/>	b. House Passes Combustion Safety Backdraft Test	0			1		
	2. Design and Build High Performance Homes - % above Title 24 - minimum 15% <i>Required</i>	0		≥30			
<input type="checkbox"/>	3. House Obtains ENERGY STAR with Indoor Air Package Certification - <i>Pilot Measure</i> (Total 45 points; read comment)	0			5	2	
Total Available Points in Building Performance = 39		0					
K. FINISHES			Points Available Per Measure				
<input type="checkbox"/>	1. Design Entryways to Reduce Tracked in Contaminants	0			1		
	2. Use Low-VOC or Zero-VOC Paint (Maximum 3 Points)						
<input type="checkbox"/>	a. Low-VOC Interior Wall/Ceiling Paints (<50 gpl VOCs (Flat) and <150 gpl VOCs (Non-Flat))	0			1		
<input type="checkbox"/>	b. Zero-VOC: Interior Wall/Ceiling Paints (<5 gpl VOCs (Flat))	0			3		
<input type="checkbox"/>	3. Use Low VOC, Water-Based Wood Finishes (<250 gpl VOCs)	0			2		
<input type="checkbox"/>	4. Use Low-VOC Caulk and Construction Adhesives (<70 gpl VOCs) for All Adhesives	0			2		
<input type="checkbox"/>	5. Use Recycled-Content Paint	0				1	
	6. Use Environmentally Preferable Materials for Interior Finish: A) FSC-Certified Wood, B) Reclaimed, C) Rapidly Renewable, D) Recycled-Content or E) Finger-Jointed						
<input type="checkbox"/>	a. Cabinets (50% Minimum)	0				1	
<input type="checkbox"/>	b. Interior Trim (50% Minimum)	0				1	
<input type="checkbox"/>	c. Shelving (50% Minimum)	0				1	
<input type="checkbox"/>	d. Doors (50% Minimum)	0				1	
<input type="checkbox"/>	e. Countertops (50% Minimum)	0				1	
	7. Reduce Formaldehyde in Interior Finish (CA Section 01350)						
<input type="checkbox"/>	a. Subfloor & Stair Treads (50% Minimum)	0			1		
<input type="checkbox"/>	b. Cabinets & Countertops (50% Minimum)	0			1		
<input type="checkbox"/>	c. Interior Trim (50% Minimum)	0			1		
<input type="checkbox"/>	d. Shelving (50% Minimum)	0			1		
<input type="checkbox"/>	8. After Installation of Finishes, Test of Indoor Air Shows Formaldehyde Level <27ppb	0			3		
Total Available Points in Finishes = 2		0					
L. FLOORING			Points Available Per Measure				
	1. Use Environmentally Preferable Flooring: A) FSC-Certified Wood, B) Reclaimed or Refinished, C) Rapidly Renewable, D) Recycled-Content, E) Exposed Concrete. <i>Flooring Adhesives Must Have <50 gpl VOCs.</i>						
<input type="checkbox"/>	a. Minimum 15% of Floor Area	0				1	
<input type="checkbox"/>	b. Minimum 30% of Floor Area	0				1	
<input type="checkbox"/>	c. Minimum 50% of Floor Area	0				1	
<input type="checkbox"/>	d. Minimum 75% of Floor Area	0				1	
<input type="checkbox"/>	2. Thermal Mass Floors: Floor Covering Other than Carpet on 50% or More of Concrete Floors	0		1			
<input type="checkbox"/>	3. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum)	0			2		
Total Available Points in Flooring = 7		0					
M. APPLIANCES AND LIGHTING			Points Available Per Measure				
	1. Install Water and Energy Efficient Dishwasher						
<input type="checkbox"/>	a. ENERGY STAR (total 1 point)	0		1			
<input type="checkbox"/>	b. Dishwasher Uses No More than 6.5 Gallons/Cycle (total 2 points)	0					1
	2. Install ENERGY STAR Clothes Washing Machine with Water Factor of 6 or Less						
<input type="checkbox"/>	a. Meets Energy Star and CEE Tier 2 requirements (modified energy factor 2.0, Water Factor 6.0) (total 3 points)	0		1			2
<input type="checkbox"/>	b. Meets Energy Star and CEE Tier 3 requirements (modified energy factor 2.2, Water Factor 4.5 or less) (total 5 points)	0					2
	3. Install ENERGY STAR Refrigerator						
<input type="checkbox"/>	a. ENERGY STAR Qualified & < 25 Cubic Feet Capacity	0		1			
<input type="checkbox"/>	b. ENERGY STAR Qualified & < 20 Cubic Feet Capacity	0		1			
	4. Install Built-In Recycling Center						
<input type="checkbox"/>	a. Built-In Recycling Center	0				2	

ENTER PROJECT NAME		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
■	b. Built-In Composting Center	0				1	
Total Available Points in Appliances and Lighting = 12		0					
N. OTHER		Points Available Per Measure					
■	1. Incorporate GreenPoint Rated Checklist in Blueprints - <i>Required</i>	0				R	
■	2. Develop Homeowner Manual of Green Features/Benefits	0		1	1		1
■	3. Community Design Measures & Local Priorities: See the Community Planning & Design section in Chapter 4 of the New Home Guidelines for measures. Maximum of 20 points for suggested measures. Local requirements may also be listed here.						

ENTER PROJECT NAME		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
<input type="checkbox"/>	Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
<input type="checkbox"/>	Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
<input type="checkbox"/>	Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
<input type="checkbox"/>	Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
4. Innovation: List innovative measures that meet the green building objectives of the Guidelines. Enter up to a maximum combined total of 20 pts. See Innovation Checklist for suggested measures, using the link to the right.			Build It Green Checklists and Guidelines				
<input type="checkbox"/>	Innovation in Community : Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
<input type="checkbox"/>	Innovation in Energy : Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
<input type="checkbox"/>	Innovation in IAQ/Health : Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
<input type="checkbox"/>	Innovation in Resources : Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
<input type="checkbox"/>	Innovation in Water : Enter description here, and enter points available for measure in appropriate categories to the right.	0	0	0	0	0	0
		Total Available Points in Other = 43	0				

Summary						
Total Available Points in Specific Categories*		4+	96+	42+	66+	43+
Minimum Points Required in Specific Categories		0	30	5	6	9
Total Points Achieved		0	0	0	0	0

Project has not yet met the following recommended minimum requirements:

- Total Project Score of At Least 50 Points
- Required measures:
 - A3a: 50% waste diversion by weight
 - J2: 15% above Title 24
 - N1: Incorporate GreenPoint Rated Checklist into blueprints
- Minimum points in specific categories:
 - Energy (30 points)
 - IAQ/Health (5 points)
 - Resources (6 points)
 - Water (9 points)