

Single-Family GreenPoint Checklist

The GreenPoint checklist tracks green features incorporated into the home. The recommended minimum requirements for a green home are: Earn a total of 50 points or more; obtain the following minimum points per category: Energy (11), Indoor Air Quality/Health (5), Resources (6), and Water (3); and meet the prerequisites A.3.a (50% construction waste diversion) and N.1 (Incorporate Green Points checklist in blueprints).

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

0 24 0 75 0 35 0 50 0 30

PROJECT ADDRESS:	Community	Energy	IAQ/Health	Resources	Water
A. SITE Possible Points					
1. Protect Native Soil and Minimize Disruption of Existing Plants & Trees					
<input type="checkbox"/>					
<input type="checkbox"/>					
2. Deconstruct Instead of Demolishing Existing Buildings On Site					
3. Recycle Job Site Construction Waste (Including Green Waste)					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
4. Use Recycled Content Aggregate (Minimum 25%)					
<input type="checkbox"/>					
<input type="checkbox"/>					
B. LANDSCAPING Possible Points					
1. Construct Resource-Efficient Landscapes					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
2. Use Fire-Safe Landscaping Techniques					
3. Minimize Turf Areas in Landscape Installed by Builder					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
4. Plant Shade Trees					
5. Implement Hydrozoning: Group Plants by Water Needs					
6. Install High-Efficiency Irrigation Systems					
<input type="checkbox"/>					
<input type="checkbox"/>					
7. Apply Two Inches of Compost in the Top 6 to 12 Inches of Soil					
8. Mulch All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement					
9. Use 50% Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements					
10. Reduce Light Pollution by Shielding Fixtures and/or Directing Light Downward					
C. FOUNDATION Possible Points					
1. Incorporate Recycled Flyash in Concrete					
<input type="checkbox"/>					
<input type="checkbox"/>					
2. Use Frost-Protected Shallow Foundation in Cold Areas (C.E.C. Climate Zone 16)					
3. Use Radon Resistant Construction (In At-Risk Locations Only)					
D. STRUCTURAL FRAME & BUILDING ENVELOPE Possible Points					
1. Apply Optimal Value Engineering					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

2. Use Engineered Lumber						
<input type="checkbox"/>	a. Beams and Headers					
<input type="checkbox"/>	b. Insulated Engineered Headers					
<input type="checkbox"/>	c. Wood I-Joists or Web Trusses for Floors					
<input type="checkbox"/>	d. Wood I-Joists or Rafters					
<input type="checkbox"/>	e. Engineered or Finger-Jointed Studs for Vertical Applications					
3. Use FSC-Certified Wood						
<input type="checkbox"/>	a. Dimensional Studs: Minimum 40%					
<input type="checkbox"/>	b. Dimensional Studs: Minimum 70%					
<input type="checkbox"/>	c. Panel Products: Minimum 40%					
<input type="checkbox"/>	d. Panel Products: Minimum 70%					
4. Design Energy Heels on Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)						
5. Design Trusses to Accommodate Ductwork						
6. Use Oriented Strand Board (OSB)						
<input type="checkbox"/>	a. Subfloor					
<input type="checkbox"/>	b. Sheathing					
7. Use Recycled-Content Steel Studs for 90% of Interior Wall Framing						
8. Use Solid Wall Systems (Includes SIPs, ICFs, & Any Non-Stick Frame Assembly)						
<input type="checkbox"/>	a. Floors					
<input type="checkbox"/>	b. Walls					
<input type="checkbox"/>	c. Roofs					
9. Thermal Mass Walls: 5/8-Inch Drywall on All Interior Walls or Walls Weigh more than 40 lb/cu.ft.						
10. 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					
<input type="checkbox"/>	b. All New Plants Have Trunk, Base, or Stem Located At Least 36 Inches from Foundation					
11. Reduce Pollution Entering the Home from the Garage						
<input type="checkbox"/>	a. Tightly Seal the Air Barrier between Garage and Living Area					
<input type="checkbox"/>	b. Install Separate Garage Exhaust Fan					
12. Install Overhangs and Gutters						
<input type="checkbox"/>	a. Minimum 16-Inch Overhangs and Gutters					
<input type="checkbox"/>	b. Minimum 24-Inch Overhangs and Gutters					

E. EXTERIOR FINISH		Possible Points				
<input type="checkbox"/>	1. Use Recycled-Content (No Virgin Plastic) or FSC-Certified Wood Decking					
<input type="checkbox"/>	2. Install a Drainage Plane (Rain Screen Wall System)					
<input type="checkbox"/>	3. Use Durable and Non-Combustible Siding Materials					
<input type="checkbox"/>	4. Select Durable and Non-Combustible Roofing Materials					

F. PLUMBING		Possible Points				
1. Distribute Domestic Hot Water Efficiently						
<input type="checkbox"/>	a. Insulate Hot Water Pipes from Water Heater to Kitchen					
<input type="checkbox"/>	b. Insulate All Hot Water Pipes OR Install On-Demand Hot Water Circulation System in conjunction with F.1. a Insulate Hot Water Pipes from Water Heater to Kitchen					
<input type="checkbox"/>	c. Locate the Water Heater within 25 feet of All Hot Water Fixtures and Appliances					
<input type="checkbox"/>	d. Use Engineered Parallel Piping					
<input type="checkbox"/>	2. Install Only High Efficiency Toilets (Dual-Flush or <=1.3 gpf)					

G. APPLIANCES		Possible Points				
1. Install ENERGY STAR Dishwasher						
<input type="checkbox"/>	a. ENERGY STAR					
<input type="checkbox"/>	b. Dishwasher Uses No More than 6.5 Gallons/Cycle					
2. Install ENERGY STAR Clothes Washing Machine with Water Factor of 6 or Less						
3. Install ENERGY STAR Refrigerator						
<input type="checkbox"/>	a. ENERGY STAR: 15% above Federal Minimum					
<input type="checkbox"/>	b. Super-Efficient Home Appliance Tier 2: 25% above Federal Minimum					
<input type="checkbox"/>	4. Install Built-In Recycling Center					

H. INSULATION		Possible Points			
1. Install Insulation with 75% Recycled Content					
<input type="checkbox"/>	a. Walls and/or Floors				
<input type="checkbox"/>	b. Ceilings				
2. Install Insulation that is Low-Emitting (Certified Section 01350)					
<input type="checkbox"/>	a. Walls and/or Floors				
<input type="checkbox"/>	b. Ceilings				
<input type="checkbox"/>	3. Pre-Drywall Inspection Shows Quality Installation of Insulation				

I. HEATING, VENTILATION & AIR CONDITIONING		Possible Points			
<input type="checkbox"/>	1. Design and Install HVAC System to ACCA Manual J, D, and S Recommendations				
2. Install Sealed Combustion Units					
<input type="checkbox"/>	a. Furnaces				
<input type="checkbox"/>	b. Water Heaters				
<input type="checkbox"/>	3. No Fireplace or Sealed Gas Fireplace with Efficiency Rating Not Less Than 60%				
<input type="checkbox"/>	4. Install ENERGY STAR Ceiling Fans with CFLs in Living Areas and Bedrooms				
5. Install Mechanical Ventilation System for Nighttime Cooling (Points are Cumulative up to 3)					
<input type="checkbox"/>	a. Whole House Fan				
<input type="checkbox"/>	b. Automatically Controlled Integrated System				
<input type="checkbox"/>	c. Integrated System with Variable Speed Control				
<input type="checkbox"/>	6. Install Air Conditioning with Non-HCFC Refrigerants				
7. Design and Install Effective Ductwork					
<input type="checkbox"/>	a. Install HVAC Unit and Ductwork within Conditioned Space				
<input type="checkbox"/>	b. Use Duct Mastic on All Duct Joints and Seams				
<input type="checkbox"/>	c. Install Ductwork under Attic Insulation (Buried Ducts)				
<input type="checkbox"/>	d. Pressure Balance the Ductwork System for Master Bedroom				
<input type="checkbox"/>	e. Protect Ducts during Construction and Clean All Ducts before Occupancy				
<input type="checkbox"/>	8. Install High Efficiency HVAC Filter (MERV 6+)				
<input type="checkbox"/>	9. Install Zoned, Hydronic Radiant Heating with Slab Edge Insulation				
10. Install Mechanical Ventilation System					
<input type="checkbox"/>	a. Any Whole House Ventilation System That Meets ASHRAE 62.2				
<input type="checkbox"/>	b. Install ENERGY STAR Bathroom Fan				
<input type="checkbox"/>	c. All Bathroom Fans Are on Timer or Humidistat				
<input type="checkbox"/>	11. Use Low-Sone Range Hood Vented to the Outside				
<input type="checkbox"/>	12. Install Carbon Monoxide Alarm(s)				

J. BUILDING PERFORMANCE		Possible Points			
<input type="checkbox"/>	1. Design and Build High Performance Homes (2 points for each 1% above T-24, up to 30 pts) <i>Enter the percent above Title 24 in the cell at left. Any value over 15% will automatically earn 30 points.</i>				
<input type="checkbox"/>	2. House Obtains ENERGY STAR with Indoor Air Package Certification				
3. Inspection and Diagnostic Evaluations					
<input type="checkbox"/>	a. Third Party Energy and Green Building Review of Home Plans				
<input type="checkbox"/>	b. Blower Door Test Performed				
<input type="checkbox"/>	c. House Passes Combustion Safety Backdraft Test				

K. RENEWABLE ENERGY		Possible Points			
<input type="checkbox"/>	1. Pre-Plumb for Solar Hot Water Heating				
<input type="checkbox"/>	2. Install Solar Water Heating System				
<input type="checkbox"/>	3. Install Wiring Conduit for Future Photovoltaic Installation & Provide 200 ft ² of South-Facing Roof				
4. Install Photovoltaic (PV) Panels					
<input type="checkbox"/>	a. 1.2 kW System				
<input type="checkbox"/>	b. 2.4 kW System				
<input type="checkbox"/>	c. 3.6 kW or more				

L. FINISHES		Possible Points			
<input type="checkbox"/>	1. Provide Permanent Walk-Off Mats and Shoe Storage at Home Entrances				
2. Use Low/No-VOC Paint					
<input type="checkbox"/>	a. Low-VOC Interior Wall/Ceiling Paints (<50 gpl VOCs (Flat) and <150 gpl VOCs (Non-Flat))				
<input type="checkbox"/>	b. Zero-VOC: Interior Wall/Ceiling Paints (<5 gpl VOCs (Flat))				
<input type="checkbox"/>					

<input type="checkbox"/>	3. Use Low VOC, Water-Based Wood Finishes (<150 gpl VOCs)					
<input type="checkbox"/>	4. Use Low-VOC Construction Adhesives (<70 gpl VOCs) for All Adhesives					
<input type="checkbox"/>	5. Use Recycled-Content Paint					
6. Use Environmentally Preferable Materials for Interior Finish: A) FSC-Certified Wood, B) Reclaimed Lumber, C) Rapidly Renewable D) Recycled-Content or E) Finger-Jointed At Least 50% of Each Material (1 pt each):						
<input type="checkbox"/>	a. Cabinets					
<input type="checkbox"/>	b. Interior Trim					
<input type="checkbox"/>	c. Shelving					
<input type="checkbox"/>	d. Doors					
<input type="checkbox"/>	e. Countertops					
7. Reduce Formaldehyde in Interior Finish (Section 01350) for At Least 50% of Each Material Below:						
<input type="checkbox"/>	a. Cabinets					
<input type="checkbox"/>	b. Interior Trim					
<input type="checkbox"/>	c. Shelving					
<input type="checkbox"/>	d. Subfloor					
<input type="checkbox"/>	8. After Installation of Finishes, Test of Indoor Air Shows Formaldehyde Level <27ppb					

M. FLOORING		Possible Points				
1. Use Environmentally Preferable Flooring: A) FSC-Certified or Reclaimed Wood, B) Rapidly Renewable Flooring Materials, C) Recycled-Content Ceramic Tiles, D) Exposed Concrete as Finished Floor or E) Recycled-Content Carpet. <i>Note: Flooring Adhesives Must Have <50 gpl VOCs.</i>						
<input type="checkbox"/>	a. Minimum 15% of Floor Area					
<input type="checkbox"/>	b. Minimum 30% of Floor Area					
<input type="checkbox"/>	c. Minimum 50% of Floor Area					
<input type="checkbox"/>	d. Minimum 75% of Floor Area					
<input type="checkbox"/>	2. Thermal Mass Floors: Floor Covering Other than Carpet on 50% or More of Concrete Floors					
<input type="checkbox"/>	3. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum)					

N. OTHER		Possible Points				
<input type="checkbox"/>	1. Incorporate Green Points Checklist in Blueprints - <i>Required</i>					
<input type="checkbox"/>	2. Develop Homeowner Manual of Green Features/Benefits					
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.						
<input type="checkbox"/>	1. Additions less than 50% increase in floor area					
<input type="checkbox"/>	2. Additions less than 200sq.ft. or resulting in less than 1,500sq.ft.					
<input type="checkbox"/>	3. Seismic upgrade of existing building					
<input type="checkbox"/>	4. For having a hybrid or zero emissions vehicle					
<input type="checkbox"/>	5. For having no automobile					
<input type="checkbox"/>	6. Planting more than one street tree when feasible					
<input type="checkbox"/>	7. Earthquake kit					
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.						
<input type="checkbox"/>	Innovation in Community: Enter description here					
<input type="checkbox"/>	Innovation in Energy: Enter description here					
<input type="checkbox"/>	Innovation in IAQ/Health: Enter description here					
<input type="checkbox"/>	Innovation in Resources: Enter description here					
<input type="checkbox"/>	Innovation in Water: Enter description here					

Summary					
Points Achieved from Specific Categories			0	0	0
Total Points Achieved			0		
Project has not yet met the recommended minimum requirements					
- Total Project Score of At Least 50 Points					
- Minimum points in specific categories: Energy (11), IAQ/Health (5), Resources (6), Water (3)					
- Required measures A.3.a and/or N.1					