

# GreenPoint Rated Existing Home Checklist



**Build It Green**  
Smart Solutions From The Ground Up

# Exhibit D

The GreenPoint Rated checklist tracks green features incorporated into the home. This checklist is used to track projects seeking a Whole House or Elements Rating using the GreenPoint Rated Existing Home Rating System. The minimum requirements for a green home seeking the Whole House Rating are listed in the project summary at the end of this checklist. Selected measures can be awarded points allocated by the percentage of presence of the measure in the home. Not all measures are available for allocation. The measure or practice must be found in at least 10% of the home to earn points.

Enter Label: **Whole House**

Points Achieved:

The green building practices listed below are described in the GreenPoint Rated Existing Home Rating Manual and the Home Remodeling Guidelines available at [www.builditgreen.org](http://www.builditgreen.org). Build It Green is a non-profit organization providing the GreenPoint Rated program as a public service. Build It Green encourages local governments to leverage program resources to support voluntary, market-based programs and strategies.  
GreenPoint Rated Existing Home Checklist version 1.0

0	0	20	0	5	0	6	0	8	0
Community	Energy	IAQ/Health	Resources	Water					

Project Name	Points Achieved	Community	Energy	IAQ/Health	Resources	Water
<b>AA. COMMUNITY</b>						
<b>1. Infill Site</b>						
Possible Points						
a. Home is Located in a Built Urban Setting with Utilities in Place for Fifteen Years	1			1		
b. Home is Located within 1/2 Mile of a Major Transit Stop	2					
<b>2. Compact Development &amp; House Size</b>						
a. Density of 10 Units per Acre or Greater	2			2		
b. Home Size Efficiency (points awarded based on home size)				1-10		
<b>3. Pedestrian and Bicycle Access/ Alternative Transportation</b>						
a. Site has Pedestrian Access Within 1/2 Mile of neighborhood services:						
TIER 1: 1) Day Care 2) Community Center 3) Public Park						
4) Drug Store 5) Restaurant 6) School						
7) Library 8) Farmer's Market 9) After School Programs						
10) Convenience Store Where Meat & Produce are Sold						
TIER 2: 1) Bank 2) Place of Worship 3) Laundry/Cleaners						
4) Hardware 5) Theater/Entertainment 6) Fitness/Gym						
7) Post Office 8) Senior Care Facility 9) Medical/Dental						
10) Hair Care 11) Commercial Office of Major Employer 12) Full Supermarket						
5 Services Listed Above (Tier 2 Services count as 1/2 Service Value)	1					
10 Services Listed Above (Tier 2 Services count as 1/2 Service Value)	1					
b. Access to A Dedicated Pedestrian Pathway to Places of Recreational Interest within 1/2 Mile	1					
c. At Least Two of the Following Traffic-Calming Strategies Installed within 1/4 mile: Designated Bicycle Lanes are Present on Roadways; Ten-Foot Vehicle Travel Lanes; Street Crossings Closest to Site are Located Less Than 300 Feet Apart. Streets Have Rumble Strips, Bulbouts, Raised Crosswalks or Refuge Islands	1					
<b>4. Safety &amp; Social Gathering</b>						
a. Front Entrance Has Views from the Inside to Outside Callers	1					
b. Front Entrance Can be Seen from the Street and/or from Other Front Doors	1					
c. Porch (min. 100sf) Oriented to Streets and Public Spaces	1					
<b>5. Diverse Households</b>						
a. Home Has at Least One Zero-Step Entrance	1					
b. All Main Floor Interior Doors & Passageways Have a Min. 32-Inch Clear Passage Space	1					
c. Home includes at Least a Half-Bath on the Ground Floor with Blocking for Grab Bars	1					
d. Lot Includes Full-Function Independent Rental Unit	1					
Total Points Available in Community = 29						
<b>A. SITE</b>						
Possible Points						
1. Protect Existing Topsoil from Erosion and Reuse after Construction	1					1
<b>2. Recycle Construction and Demolition Waste</b>						
a. Recycle All Cardboard, Concrete, Asphalt and Metals (Required for both Whole House and Elements, if Applicable)				R		
b. Deconstruct for Reuse the Following Items (Enter Number of Points, up to 2 points) 1) Appliances, 2) Brick, tile, masonry, 3) Cabinetry, 4) Countertops, 5) Doors, 6) Fixtures (plumbing, lighting, etc), 7) Sinks/Tubs, 8) Toilets (1.5 only), 9) Windows, 10) Wood - (2x4, flooring, form boards)				2		
c. Recycle 25% C&D Waste Excluding All Cardboard, Concrete, Asphalt and Metals				2		
3. Construction IAQ Management Plan			2			
Total Points Available in Site = 8						
<b>B. FOUNDATION</b>						
Possible Points						
<b>1. Replace Portland Cement in Concrete with Recycled Flyash or Slag</b>						
a. Minimum 20% Flyash and/or Slag Content					1	
b. Minimum 30% Flyash and/or Slag Content					1	
<b>2. Moisture Source Verification and Correction (Required for Whole House)</b>						
			R	R		
<b>3. Retrofit Crawl Space to Control Moisture</b>						
a. Control Ground Moisture with Vapor Barrier			2			
b. Foundation Drainage System				2		
<b>4. Pest Inspection and Correction</b>						
				1		
<b>5. Design and Build Structural Pest Controls</b>						
a. Install Termite Shields & Separate All Exterior Wood-to-Concrete Connections by Metal or Plastic Fasteners/Dividers					1	

Project Name		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
	b. All New Plants Have Trunk, Base, or Stem Located At Least 36 Inches from Foundation					1	
	<b>6. Radon Testing and Correction or Radon Resistant Construction</b>				1		
Total Points Available in Foundation = 10							
<b>C. LANDSCAPE</b>			<b>Possible Points</b>				
	<b>Is the landscape area is &lt;15% of the total site area? (only 3 points available in this section for projects with &lt;15% landscape area)</b>						
	<b>1. Resource-Efficient Landscapes</b>						
	a. No Invasive Species Listed by Cal-IPC Are Planted						1
	b. No Plant Species Require Shearing					1	
	c. 50% of Plants Are California Natives or Mediterranean Climate Species						3
	<b>2. Fire-Safe Landscaping Techniques</b>		1				
	<b>3. Minimal Turf Areas</b>						
	a. Turf Not Installed on Slopes Exceeding 10% or in Areas Less than 8 Feet Wide						2
	b. Turf is <33% of Landscaped Area						2
	c. Turf is <10% of Landscaped Area or eliminated						2
	<b>4. Shade Trees Planted</b>		1	1			1
	<b>5. Plants Grouped by Water Needs (Hydrozoning)</b>						2
	<b>6. High-Efficiency Irrigation Systems Installed</b>						
	a. System Uses Only Low-Flow Drip, Bubblers, or Low-flow Sprinklers						2
	b. System Has Smart Controllers						3
	<b>7. Compost and Recycle Garden Trimmings on Site</b>						1
	<b>8. Mulch in All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement</b>						2
	<b>9. Use Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements</b>					1	
	<b>10. Light Pollution Reduced by Shielding Fixtures and Directing Light Downward</b>		1				
	<b>11. Rain Water Harvesting System (1 point for &lt;350 gallons, 2 points for &gt; 350 gallons)</b>						
	a. ≤ 350 gallons						1
	b. > 350 gallons						1
	<b>12. Soil Amended with Compost</b>		1		1		
Total Points Available in Landscape = 31							
<b>D. STRUCTURAL FRAME &amp; BUILDING ENVELOPE</b>			<b>Possible Points</b>				
	<b>1. Optimal Value Engineering</b>						
	a. Place Rafters & Studs at 24-Inch On Center Framing						1
	b. Size Door & Window Headers for Load						1
	c. Use Only Jack & Cripple Studs Required for Load						1
	<b>2. Use Engineered Lumber</b>						
	a. Engineered Beams & Headers					1	
	b. Insulated Engineered Headers		1				
	c. Wood I-Joists or Web Trusses for Floors					1	
	d. Wood I-Joists for Roof Rafters					1	
	e. Engineered or Finger-Jointed Studs for Vertical Applications					1	
	f. Oriented Strand Board for Subfloor					1	
	g. Oriented Strand Board Wall and Roof Sheathing					1	
	<b>3. FSC Certified Wood</b>						
	a. Dimensional Lumber, Studs, and Timber: Minimum 40%						2
	b. Dimensional Lumber, Studs, and Timber: Minimum 70%						2
	c. Panel Products: Minimum 40%						1
	d. Panel Products: Minimum 70%						1
	<b>4. Solid Wall Systems (includes SIPs, ICFs, &amp; Any Non-Stick Frame Assembly)</b>						
	a. Floors		2			2	
	b. Walls		2			2	
	c. Roofs		2			2	
	<b>5. Reduce Pollution Entering the Home from the Garage</b>						
	a. Tightly Seal the Air Barrier between Garage and Living Area				1		
	b. Install Garage Exhaust Fan OR Have a Detached Garage				1		
	<b>6. Energy Heels on Roof Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)</b>		1				
	<b>7. Overhangs and Gutters</b>						1
	a. Minimum 16-Inch Overhangs and Gutters						1
	b. Minimum 24-Inch Overhangs and Gutters		1				
	<b>8. Retrofit/ Upgrade Structure for Lateral Load Reinforcement for Wind or Seismic</b>						2
	a. Partial Lateral Load Reinforcement Upgrades/ Retrofits						1
	b. Lateral Load Reinforcement Upgrades/ Retrofits for Entire home						2
	<b>9. Sound Exterior Assemblies (Required for Whole House)</b>						
					R		R
Total Points Available in Structural Frame & Building Envelope = 36							
<b>E. EXTERIOR FINISH</b>			<b>Possible Points</b>				
	<b>1. Recycled-Content (No Virgin Plastic) or FSC-Certified Wood Decking</b>						2
	<b>2. Rain Screen Wall System Installed</b>						2
	<b>3. Durable &amp; Noncombustible Siding Materials</b>						1
	<b>4. Durable &amp; Fire-Resistant Roofing Materials</b>						2
Total Points Available in Exterior Finish = 7							
<b>F. INSULATION</b>			<b>Possible Points</b>				
	<b>1. Insulation with 75% Recycled Content</b>						
	a. Walls and Floors						1
	b. Ceilings						1
	<b>2. Low-Emitting Insulation (Certified CA Section 01350)</b>						
	a. Walls and Floors				1		
	b. Ceilings				1		
	<b>3. Inspect Quality of Insulation Installation before Applying Drywall</b>		1				

Project Name	Points Achieved	Community	Energy	IAC/Health	Resources	Water
Total Points Available in Insulation = 5						
<b>G. PLUMBING</b>		<b>Possible Points</b>				
	1. Distribute Domestic Hot Water Efficiently					
	a. Insulate All Accessible Hot Water Pipes		1			1
	b. Locate Water Heater Within 12' Of All Water Fixtures, as measured in plan		1			1
	c. Install On-Demand Circulation Control Pump		1			1
	2. High-Efficiency Toilets (Dual-Flush or ≤ 1.28 gpf)				1	2
	3. Water Efficient Fixtures					
	a. All Fixtures Meet Federal Energy Policy Act (Toilets: 1.6 gpf, Sinks: 2.2 gpm, Showers: 2.5 gpm) (Required For Whole House)					R
	b. High-Efficiency Showerheads Use ≤ 2.0 gpm at 80 psi		1			1
	c. Bathrooms Faucets Use ≤ 1.5 gpm		1			1
	4. Plumbing System Integrity and No Plumbing Leaks (Required for Whole House and Elements)					R
Total Points Available in Plumbing = 13						
<b>H. HEATING, VENTILATION &amp; AIR CONDITIONING</b>		<b>Possible Points</b>				
	1. General HVAC Equipment Verification and Correction					
	a. Visual Survey of Installation of HVAC Equipment (Required for both Whole House and Elements)		R			
	b. Conduct Diagnostic Testing to Evaluate System		2			
	c. Conduct Flow Hood Test and Assess Delivery of Air		1			
	d. Air Conditioning Compressor Operates Properly and Refrigerant Charge is Optimal		1			
	2. Design and Install HVAC System to ACCA Manuals J, D and S		4			
	3. Sealed Combustion Units					
	a. Furnaces			2		
	b. Water heaters			2		
	4. Zoned, Hydronic Radiant Heating		1	1		
	5. High Efficiency Air Conditioning Air conditioning with Environmentally Responsible Refrigerants	1				
	6. Effective Ductwork Installation					
	a. New Ductwork and HVAC unit Installed Within Conditioned Space		1			
	b. Duct Mastic Used on All Ducts, Joints and Seams		1			
	c. Ductwork Installed under Attic Insulation (Buried Ducts)		1			
	d. Ductwork System is Pressure Relieved		1			
	7. High Efficiency HVAC Filter (MERV 6+)			1		
	8. No Fireplace OR Sealed Gas Fireplaces with Efficiency Rating ≥60% using CSA			1		
	9. Effective Exhaust Systems Installed in Bathrooms and Kitchens					
	a. ENERGY STAR Bathroom Fans Vented to the Outside			1		
	b. All Bathroom Fans are on Timer or Humidistat			1		
	c. Kitchen Range Hood Vented to the Outside			1		
	10. Mechanical Ventilation System for Cooling Installed					
	a. ENERGY STAR Ceiling Fans & Light Kits in Living Areas & Bedrooms		1			
	b. Whole House Fan		1			
	11. Mechanical Ventilation for Fresh Air Installed					
	a. Any Whole House Ventilation System (that meets ASHRAE 62.2)		1	2		
	b. Install Air-to-Air Heat Exchanger (that meets ASHRAE 62.2)		1	2		
	12. Carbon Monoxide					
	a. Carbon Monoxide Testing and Correction (Required for Whole House)					R
	b. Carbon Monoxide Alarm(s) Installed					1
	13. Combustion Safety Backdraft Test (Required for Whole House)					R
Total Points Available in Heating, Ventilation and Air Conditioning = 33						
<b>I. RENEWABLE ENERGY</b>		<b>Possible Points</b>				
	1. Solar Water Heating System		4			
	2. Photovoltaic (PV) System that offsets electric energy use by:					
	a. 30% of electric needs OR 1.2 kW		6			
	b. 60% of electric needs OR 2.4kW		6			
	c. 90% of electric needs OR 3.6 kW		6			
Total Points Available in Renewable Energy = 22						
<b>J. BUILDING PERFORMANCE</b>		<b>Possible Points</b>				
	1. Energy Survey and Education (includes blower door test) (Required for Elements)					R
	2. Energy Upgrades (Available for Elements Rating Only. Two points minimum required, maximum 6 points)					R
	TIER 1: Practices in Tier 1 Are Worth Full Value (1 point)					
	a) Attic Insulation up to or Exceeding Current Code		1			
	b) Crawl Space Insulation up to or Exceeding Current Code		1			
	c) Wall Insulation up to or Exceeding Current Code		1			
	d) High Efficiency Furnace (90% AFUE Minimum)		1			
	e) Seal Ducts and Duct Leakage is <15%		1			
	f) 14 SEER, 11.5 EER Air Conditioning Unit (in climate zones 2,4,8-15)		1			
	g) House Passes Blower Door Test With ≤0.5 ACH or a 50% Improvement		1			
	TIER 2: Practices in Tier 2 Are Worth Half Value (0.5 points)					
	h) High Efficiency Water Heater ≥ 62EF		0.5			
	i) Radiant Barrier in Attic		0.5			
	j) Windows Upgraded to Current Code Requirements, Which are Typically Dual Pane		0.5			
	k) Duct insulation to Code		0.5			
	l) Programmable Thermostat		0.5			
	m) 14 SEER, 11.5 EER Air Conditioning unit (in climate zones 1,3,5,6,7,16)		0.5			
	3. Energy Budget for Home Based on Year					
	a. Meet Energy Budget for Home Based on Year (Includes Blower Door Test) (Required for Whole House)		10			



# Project Name

Points  
Achieved

Community

Energy

IAQ/Health

Resources

Water

**Project has not yet met the recommended minimum requirements for GreenPoint Rated Whole House:**

- Total Project Score of At Least 50 Points

- Required measures:

-A2a: Recycle All Cardboard, Concrete and Metals

-B2: Moisture Source Inspection and Correction

-D9: Sound Exterior Assemblies

-G3a: All Fixtures Meet Federal Energy Policy Act

-G4: Plumbing System Integrity and No Plumbing Leaks

-H1a: Visual Evaluation of Installation of HVAC Equipment

-H12a: Carbon Monoxide Testing and Correction

-H13: Combustion Safety Backdraft Test

-J3a: Meet Energy Budget for Home Based on Year

-M6: Electrical Integrity

-N1: Incorporate GreenPoint Checklist in Blueprints and Planning

- Minimum points in specific categories:

-Energy (20 points)

-IAQ/Health (5 points)

-Resources (6 points)

-Water (8 points)