

GreenPoint Rated Checklist: Single Family

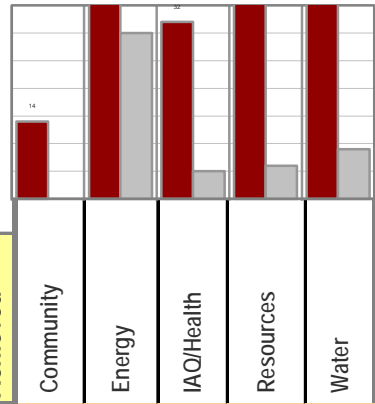


Build It Green™
Smart Solutions From The Ground Up

The GreenPoint Rated 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 (30), Indoor Air Quality/Health (5), Resources (6), and Water (3); and meet the prerequisites

A.3.a (50% construction waste diversion), J.1 (Exceed Title 24 by 15%), 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. 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.



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Planning Scoresheet

		Points Achieved	Possible Points				
			Community	Energy	IAQ/Health	Resources	Water
A. SITE			Possible Points				
1. Protect Topsoil and Minimize Disruption of Existing Plants & Trees							
<input checked="" type="checkbox"/>	a. Protect Topsoil from Erosion and Reuse after Construction	2	1				1
<input checked="" type="checkbox"/>	b. Limit and Delineate Construction Footprint for Maximum Protection	1					1
<input checked="" type="checkbox"/>	2. Deconstruct Instead of Demolishing Existing Buildings On Site	3				3	
3. Recycle Job Site Construction Waste (Including Green Waste)							
<input checked="" type="checkbox"/>	a. Minimum 50% Waste Diversion by Weight (Recycling or Reuse) - <i>Required</i>	0				R	
<input checked="" type="checkbox"/>	b. Minimum 65% Diversion by Weight (Recycling or Reuse)	2				2	
<input checked="" type="checkbox"/>	c. Minimum 80% Diversion by Weight (Recycling or Reuse)	2				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		10					
B. FOUNDATION			Points Available Per Measure				
1. Replace Portland Cement in Concrete with Recycled Flyash or Slag							
<input checked="" type="checkbox"/>	a. Minimum 20% Flyash or Slag	1				1	
<input checked="" type="checkbox"/>	b. Minimum 25% Flyash or Slag	1				1	
<input type="checkbox"/>	2. Use Frost-Protected Shallow Foundation in Cold Areas (C.E.C. Climate Zone 16)	0				3	
<input type="checkbox"/>	3. Use Radon Resistant Construction (In At-Risk Locations Only) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0			1		
4. Design and Build Structural Pest Controls							
<input checked="" type="checkbox"/>	a. Install Termite Shields & Separate All Exterior Wood-to-Concrete Connections by Metal or Plastic Fasteners/Dividers [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1				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		3					
C. LANDSCAPING			Points Available Per Measure				
1. Construct Resource-Efficient Landscapes							
<input checked="" type="checkbox"/>	a. No Invasive Species Listed by Cal-IPC Are Planted	1					1
<input checked="" type="checkbox"/>	b. No Plant Species Will Require Hedging	1				1	
<input checked="" type="checkbox"/>	c. 75% of Plants Are California Natives or Mediterranean Species or Other Appropriate Species	3					3
<input type="checkbox"/>	2. Use Fire-Safe Landscaping Techniques	0	1				
3. Minimize Turf Areas in Landscape Installed by Builder							
<input checked="" type="checkbox"/>	a. All Turf Will Have a Water Requirement Less than or Equal to Tall Fescue (< = 0.8 plant factor)	2					2
<input checked="" type="checkbox"/>	b. Turf Shall Not Be Installed on Slopes Exceeding 10% or in Areas Less than 8 Feet Wide	2					2
<input checked="" type="checkbox"/>	c. Turf is ≤33% of Landscaped Area (total 2 points)	2					2
<input type="checkbox"/>	d. Turf is ≤10% of Landscaped Area (total 4 points)	0					2
<input type="checkbox"/>	4. Plant Shade Trees	0					3
<input checked="" type="checkbox"/>	5. Group Plants by Water Needs (Hydrozoning)	2					2
6. Install High-Efficiency Irrigation Systems							
<input checked="" type="checkbox"/>	a. System Uses Only Low-Flow Drip, Bubblers, or Low-flow Sprinklers	2					2
<input type="checkbox"/>	b. System Has Smart (Weather-Based) Controllers	0					3
<input checked="" type="checkbox"/>							

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Planning Scoresheet

	Points Achieved	Community	Energy	IAQ/Health	Resources	Water
<input checked="" type="checkbox"/> 7. Incorporate Two Inches of Compost in the Top 6 to 12 Inches of Soil	3					3
<input checked="" type="checkbox"/> 8. Mulch All Planting Beds to the Greater of 2 Inches or Local Water Ordinance Requirement	2					2
<input type="checkbox"/> 9. Use 50% Salvaged or Recycled-Content Materials for 50% of Non-Plant Landscape Elements	0				1	
<input type="checkbox"/> 10. Reduce Light Pollution by Shielding Fixtures and/or Directing Light Downward	0	1				
Total Points Available in Landscaping = 31		20				
D. STRUCTURAL FRAME & BUILDING ENVELOPE		Points Available Per Measure				
1. Apply Optimal Value Engineering						
<input checked="" type="checkbox"/> a. Place Rafters and Studs at 24-Inch On Center Framing	1				1	
<input checked="" type="checkbox"/> b. Size Door and Window Headers for Load	1				1	
<input checked="" type="checkbox"/> c. Use Only Jack and Cripple Studs Required for Load	1				1	
2. Use Engineered Lumber						
<input checked="" type="checkbox"/> a. Beams and Headers	1				1	
<input checked="" type="checkbox"/> b. Insulated Engineered Headers	1		1			
<input type="checkbox"/> c. Wood I-Joists or Web Trusses for Floors	0				1	
<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 checked="" type="checkbox"/> g. Oriented Strand Board for Wall and Roof Sheathing	1				1	
3. Use FSC-Certified Wood						
<input checked="" type="checkbox"/> a. Dimensional Lumber, Studs and Timber: Minimum 40%	2				2	
<input checked="" type="checkbox"/> b. Dimensional Lumber, Studs and Timber: Minimum 70%	2				2	
<input checked="" type="checkbox"/> c. Panel Products: Minimum 40%	1				1	
<input checked="" type="checkbox"/> d. Panel Products: Minimum 70%	1				1	
4. Use Solid Wall Systems (Includes SIPs, ICFs, & Any Non-Stick Frame Assembly)						
<input checked="" type="checkbox"/> a. Floors	4		2		2	
<input checked="" type="checkbox"/> b. Walls	4		2		2	
<input checked="" type="checkbox"/> c. Roofs	4		2		2	
5. Reduce Pollution Entering the Home from the Garage [*Points automatically granted when project qualifies for measure J3: ES with IAQ]						
<input checked="" type="checkbox"/> a. Tightly Seal the Air Barrier between Garage and Living Area	1			1		
<input checked="" type="checkbox"/> b. Install Garage Exhaust Fan OR Build a Detached Garage	1			1		
<input checked="" type="checkbox"/> 6. Design Energy Heels on Trusses (75% of Attic Insulation Height at Outside Edge of Exterior Wall)	1		1			
<input type="checkbox"/> 7. Design Roof Trusses to Accommodate Ductwork	0		1			
<input type="checkbox"/> 8. Use Recycled-Content Steel Studs for 90% of Interior Wall Framing	0				1	
<input checked="" type="checkbox"/> 9. Thermal Mass Walls: 5/8-Inch Drywall on All Interior Walls or Walls Weighing more than 40 lb/cu.ft.	1		1			
10. Install Overhangs and Gutters						
<input checked="" type="checkbox"/> a. Minimum 16-Inch Overhangs and Gutters [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1				1	
<input checked="" type="checkbox"/> b. Minimum 24-Inch Overhangs and Gutters	1		1			
Total Points Available in Structural Building Frame and Envelope = 36		30				
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 checked="" type="checkbox"/> 2. Install a Rain Screen Wall System	2				2	
<input type="checkbox"/> 3. Use Durable and Non-Combustible Siding Materials	0				1	
<input checked="" type="checkbox"/> 4. Use Durable and Non-Combustible Roofing Materials	2				2	
Total Points Available in Exterior Finish = 7		4				
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 checked="" type="checkbox"/>						

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Planning Scoresheet

		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
<input checked="" type="checkbox"/>	a. Walls and/or Floors	1			1		
<input checked="" type="checkbox"/>	b. Ceilings	1			1		
<input checked="" type="checkbox"/>	3. Inspect Quality of Insulation Installation before Applying Drywall [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1		1			
Total Points Available in Insulation = 5		3					
G. PLUMBING			Points Available Per Measure				
1. Distribute Domestic Hot Water Efficiently (Additive, Maximum 7 Points)							
<input checked="" type="checkbox"/>	a. Insulate Hot Water Pipes from Water Heater to Kitchen	2		1			1
<input checked="" type="checkbox"/>	b. Insulate All Hot Water Pipes	2		1			1
<input checked="" type="checkbox"/>	c. Use Engineered Parallel Piping	1					1
<input checked="" type="checkbox"/>	d. Use Engineered Parallel Piping with Demand Controlled Circulation Loop	1					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	1
<input checked="" type="checkbox"/>	2. Install Only High Efficiency Toilets (Dual-Flush or ≤1.3 gpf)	4					4
Total Points Available in Plumbing = Total 11		10					
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 [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	0		4			
2. Install Sealed Combustion Units [*Points automatically granted when project qualifies for measure J3: ES with IAQ]							
<input type="checkbox"/>	a. Furnaces	0			2		
<input type="checkbox"/>	b. Water Heaters	0			2		
<input checked="" type="checkbox"/>	3. Install Zoned, Hydronic Radiant Heating with Slab Edge Insulation	2		1	1		
<input type="checkbox"/>	4. Install High Efficiency Air Conditioning with Environmentally Responsible Refrigerants	0	1				
5. Design and Install Effective Ductwork [*5b,d,&e are automatically granted when project qualifies for measure J3: ES with IAQ]							
<input checked="" type="checkbox"/>	a. Install HVAC Unit and Ductwork within Conditioned Space	2		3			
<input type="checkbox"/>	b. Use Duct Mastic on All Duct Joints and Seams	0		1			
<input checked="" type="checkbox"/>	c. Install Ductwork under Attic Insulation (Buried Ducts)	1		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 checked="" type="checkbox"/>	6. Install High Efficiency HVAC Filter (MERV 6+) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1			1		
<input checked="" type="checkbox"/>	7. Don't Install Fireplaces or Install Sealed Gas Fireplaces with Efficiency Rating NOT Less Than 60% using CSA Standards	1			1		
8. Install Effective Exhaust Systems in Bathrooms and Kitchens [*8a&c are automatically granted when project qualifies for measure J3: ES with IAQ]							
<input checked="" type="checkbox"/>	a. Install ENERGY STAR Bathroom Fans Vented to the Outside	1			1		
<input checked="" type="checkbox"/>	b. All Bathroom Fans Are on Timer or Humidistat	1			1		
<input checked="" type="checkbox"/>	c. Install Kitchen Range Hood Vented to the Outside	1			1		
9. Install Mechanical Ventilation System for Cooling (Additive, 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			
<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 checked="" type="checkbox"/>	a. Any Whole House Ventilation System That Meets ASHRAE 62.2	0			2		
<input checked="" type="checkbox"/>	b. install Air-to-Air Heat Exchanger that meets ASHRAE 62.2 [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	3		1	2		
<input checked="" type="checkbox"/>	11. Install Carbon Monoxide Alarm(s) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1			1		
Total Points Available in Heating, Ventilation and Air Conditioning = 30		14					

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Planning Scoresheet

		Points Achieved	Community	Energy	IAQ/Health	Resources	Water
I. RENEWABLE ENERGY			Points Available Per Measure				
<input checked="" type="checkbox"/>	1. Pre-Plumb for Solar Hot Water Heating	4		4			
<input type="checkbox"/>	2. Install Solar Water Heating System	0		10			
<input checked="" 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 checked="" type="checkbox"/>	a. 30% of electric needs OR 1.2 kW (total 6 points)	6		6			
<input checked="" type="checkbox"/>	b. 60% of electric needs OR 2.4kW (total 12 points)	6		6			
<input checked="" type="checkbox"/>	c. 90% of electric need OR 3.6 kW (total 18 points)	6		6			
Total Available Points in Renewable Energy = 28		22					
J. BUILDING PERFORMANCE			Points Available Per Measure				
	1. Diagnostic Evaluations						
<input checked="" type="checkbox"/>	a. House Passes Blower Door Test [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1		1			
<input checked="" type="checkbox"/>	b. House Passes Combustion Safety Backdraft Test	1			1		
72%	2. Design and Build High Performance Homes - 15% above Title 24 - <i>Required</i>	144.8		≥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		146.8					
K. FINISHES			Points Available Per Measure				
<input checked="" type="checkbox"/>	1. Design Entryways to Reduce Tracked in Contaminants	1			1		
	2. Use Low-VOC or Zero-VOC Paint (Maximum 3 Points)						
<input checked="" type="checkbox"/>	a. Low-VOC Interior Wall/Ceiling Paints (<50 gpl VOCs (Flat) and <150 gpl VOCs (Non-Flat))	0			1		
<input checked="" type="checkbox"/>	b. Zero-VOC: Interior Wall/Ceiling Paints (<5 gpl VOCs (Flat))	3			3		
<input checked="" type="checkbox"/>	3. Use Low VOC, Water-Based Wood Finishes (<250 gpl VOCs)	2			2		
<input checked="" type="checkbox"/>	4. Use Low-VOC Caulk and Construction Adhesives (<70 gpl VOCs) for All Adhesives	2			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 checked="" type="checkbox"/>	a. Cabinets (50% Minimum)	1				1	
<input checked="" type="checkbox"/>	b. Interior Trim (50% Minimum)	1				1	
<input checked="" type="checkbox"/>	c. Shelving (50% Minimum)	1				1	
<input checked="" type="checkbox"/>	d. Doors (50% Minimum)	1				1	
<input checked="" type="checkbox"/>	e. Countertops (50% Minimum)	1				1	
	7. Reduce Formaldehyde in Interior Finish (CA Section 01350)						
<input checked="" type="checkbox"/>	a. Subfloor & Stair Treads (50% Minimum)	1			1		
<input checked="" type="checkbox"/>	b. Cabinets & Countertops (50% Minimum)	1			1		
<input checked="" type="checkbox"/>	c. Interior Trim (50% Minimum)	1			1		
<input checked="" type="checkbox"/>	d. Shelving (50% Minimum)	1			1		
<input type="checkbox"/>	8. After Installation of Finishes, Test of Indoor Air Shows Formaldehyde Level <27ppb	0			3		
Total Available Points in Finishes = 21		17					
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 checked="" type="checkbox"/>	a. Minimum 15% of Floor Area	1				1	
<input checked="" type="checkbox"/>	b. Minimum 30% of Floor Area	1				1	
<input checked="" type="checkbox"/>	c. Minimum 50% of Floor Area	1				1	
<input checked="" type="checkbox"/>	d. Minimum 75% of Floor Area	1				1	
<input checked="" type="checkbox"/>	2. Thermal Mass Floors: Floor Covering Other than Carpet on 50% or More of Concrete Floors	1		1			

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	Points Achieved	Community	Energy	IAQ/Health	Resources	Water
<input checked="" type="checkbox"/> 3. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (50% Minimum) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	2			2		
Total Available Points in Flooring = 7						
M. APPLIANCES AND LIGHTING		Points Available Per Measure				
1. Install Water and Energy Efficient Dishwasher						
<input checked="" type="checkbox"/> a. ENERGY STAR (total 1 point)	1		1			
<input checked="" type="checkbox"/> b. Dishwasher Uses No More than 6.5 Gallons/Cycle (total 2 points)	1					1
2. Install ENERGY STAR Clothes Washing Machine with Water Factor of 6 or Less						
<input checked="" type="checkbox"/> a. Meets Energy Star and CEE Tier 2 requirements (modified energy factor 2.0, Water Factor 6.0 or less) (total 3 points)	3		1			2
<input checked="" 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)	2					2
3. Install ENERGY STAR Refrigerator						
<input checked="" type="checkbox"/> a. ENERGY STAR Qualified & < 25 Cubic Feet Capacity	1		1			
<input type="checkbox"/> b. ENERGY STAR Qualified & < 20 Cubic Feet Capacity	0		1			
4. Install Built-In Recycling Center						
<input checked="" type="checkbox"/> a. Built-In Recycling Center	2				2	
<input checked="" type="checkbox"/> b. Built-In Composting Center	1				1	
Total Available Points in Appliances and Lighting = 12						
N. OTHER		Points Available Per Measure				
<input checked="" type="checkbox"/> 1. Incorporate GreenPoint Rated Checklist in Blueprints - <i>Required</i>	0				R	
<input checked="" type="checkbox"/> 2. Develop Homeowner Manual of Green Features/Benefits [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	3		1	1		1
Total Available Points in Other = 3						
O. COMMUNITY DESIGN & PLANNING (maximum 20 points in this section)						
1. Develop Infill Sites						
<input checked="" type="checkbox"/> a. Project is Located in a Built Urban Setting with Utilities in Place for Fifteen Years	2	1			1	
<input checked="" type="checkbox"/> b. Development is Located within 1/2 Mile of a Major Transit Stop	2	2				
2. Cluster Homes & Keep Size in Check						
<input type="checkbox"/> a. Cluster Homes for Land Preservation	0	1			1	
<input type="checkbox"/> b. Conserve Resources by Increasing Density (10 Units per Acre or Greater)	0	2			2	
<input checked="" type="checkbox"/> c. Home Size Efficiency	0				9	
3. Subdivision Layout & Orientation to Improve Natural Cooling and Passive Solar Attributes	0	3	7			
4. Design for Walking & Bicycling						
<input checked="" type="checkbox"/> a. Pedestrian Access to 5 or More Neighborhood Services within ½ Mile: 1) Community Center/Library; 2) Grocery Store; 3) School; 4) Day Care; 5) Laundry; 6) Medical; 7) Entertainment/Restaurants; 8) Post Office; 9) Place of Worship; 10) Bank	2	2				
<input checked="" type="checkbox"/> b. Development is Connected with A Dedicated Pedestrian Pathway to Places of Recreational Interest within 1/4 mile	1	1				
<input type="checkbox"/> c. Builder Installs At Least Two of the Following Traffic-Calming Strategies: - 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	0	2				
5. Design for Safety & Social Gathering						
<input checked="" type="checkbox"/> a. All Home Front Entrances Have Views from the Inside to Outside Callers	1	1				
<input checked="" type="checkbox"/> b. All Home Front Entrances Can be Seen from the Street and/or from Other Front Doors	1	1				
<input type="checkbox"/> c. Orient Porches (min. 100sf) to Streets and Public Spaces	0	1				
6. Design for Diverse Households						
<input checked="" type="checkbox"/> a. All Homes Have at Least One Zero-Step Entrance	1	1				
<input checked="" type="checkbox"/> b. All Main Floor Interior Doors & Passageways Have a Minimum 32-Inch Clear Passage Space	1	1				
<input checked="" type="checkbox"/> c. Locate at Least a Half-Bath on the Ground Floor with Blocking in Walls for Grab Bars	1	1				
<input type="checkbox"/>						

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	Points Achieved	Community	Energy	IAQ/Health	Resources	Water
<input type="checkbox"/> d. Provide Full-Function Independent Rental Unit	0	1				
Total Achievable Points in Community Design & Planning = 20		12				
P. INNOVATION (maximum 20 points in this section)		Possible Points				
A. Site						
<input checked="" type="checkbox"/> 1. Reduce Heat-Island Effect - Install light-colored, high albedo materials (solar reflectance index >= 0.3) for at least 50% of site's non-roof impervious surfaces	1	1				
<input type="checkbox"/> 2. Build on EPA designated brownfield site	0	3				
B. Foundation [*Points automatically granted when project qualifies for measure J3: ES with IAQ]						
<input checked="" type="checkbox"/> 1. Install a Foundation Drainage System	2				2	
<input type="checkbox"/> 2. Sealed and Moisture Controlled Crawlspace	0			2		
C. Landscaping						
<input checked="" type="checkbox"/> 1. Meets Bay-Friendly Landscape Program Requirement	4					4
<input type="checkbox"/> 2. Meets California-Friendly Landscape Program Requirement	0					4
3. Rain Water Harvesting System (1 point for <350 gallons, 2 points for > 350 gallons)						2
<input checked="" type="checkbox"/> a. Less than 350 gallon capacity	1					1
<input checked="" type="checkbox"/> b. Greater than 350 gallon capacity	2					2
<input checked="" type="checkbox"/> 4. Assess Site Climate, Exposure, Topography, and Drainage	1					1
<input type="checkbox"/> 5. Perform a Soil Analysis	0					1
<input type="checkbox"/> 6. Irrigation System Uses Recycled Wastewater	0					1
<input type="checkbox"/> 7. FSC Certified, Recycled Plastic or Composite Lumber - Fencing: 70%	0				1	
D. Structural Frame and Building Envelope						
1. Design, Build and Maintain Structural Pest and Rot Controls						
<input type="checkbox"/> a. Locate All Wood (Siding, Trim, Structure) At Least 12" Above Soil	0				1	
<input checked="" type="checkbox"/> b. All Wood Framing 3 Feet from the Foundation is Treated with Borates (or Use Factory-Impregnated Materials) OR Walls are Not Made of Wood	1			1		
<input checked="" type="checkbox"/> 2. Use Moisture Resistant Materials in Wet areas of Kitchen, Bathrooms, Utility Rooms, and Basements [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1			1		
3. Use FSC Certified Engineered Lumber (3 points maximum)						
<input checked="" type="checkbox"/> a. Beams and Headers	1				1	
<input checked="" type="checkbox"/> b. Insulated Engineered Headers	1				1	
<input type="checkbox"/> c. Wood I-Joists or Web Trusses for Floors	0				1	
<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. Roof Trusses: 100%	0				1	
4. FSC Certified Wood						
<input checked="" type="checkbox"/> a. Dimensional Lumber, Studs and Timber: 100%	2				2	
<input type="checkbox"/> b. Panel Products: 100%	0				2	
E. Exterior Finish						
<input type="checkbox"/> 1. Green Roofs (25% of roof area minimum)	0	1	1			
<input checked="" type="checkbox"/> 2. Flashing Installation Techniques Specified [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1				1	
F. Insulation						
G. Plumbing						
<input type="checkbox"/> 1. Graywater Pre-plumbing (includes washing machine at minimum)	0					1
<input type="checkbox"/> 2. Graywater System Operational (includes washing machine at minimum)	0					2
<input type="checkbox"/> 3. Innovative Wastewater Technology (Constructed Wetland, Sand Filter, Aerobic System)	0					1
<input type="checkbox"/> 4. Composting or Waterless Toilet	0					2
<input type="checkbox"/> 5. Install Drain Water Heat-recovery System	0		1			
<input checked="" type="checkbox"/> 6. Plumbing Fixtures with Below Standard Flow Rates (Bath Faucets <1.5 gal/min & Showers <2.0 gal/min)	1					1
H. Heating, Ventilation, and Air Conditioning						
<input type="checkbox"/> 1. Humidity Control Systems (only in California humid/marine climate zones 1,3,5,6,7)	0			1		
I. Renewable Energy						
<input type="checkbox"/> 1. Extraordinary Passive Solar Design (> 50% of load) That is Not Already Reflected in T-24 Modeling	0		5			

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	Points Achieved	Community	Energy	IAQ/Health	Resources	Water
J. Building Performance						
<input type="checkbox"/> 1. Test Total Supply Air Flow Rates	0		1			
K. Finishes						
1. Use Environmentally Preferable Materials for Interior Finishes						
<input checked="" type="checkbox"/> a. Cabinets (80% minimum)	1				1	
<input checked="" type="checkbox"/> b. Interior Trim (80% minimum)	1				1	
<input checked="" type="checkbox"/> c. Shelving (80% minimum)	1				1	
<input checked="" type="checkbox"/> d. Doors (80% minimum)	1				1	
<input checked="" type="checkbox"/> e. Countertops (80% minimum)	1				1	
L. Flooring						
<input checked="" type="checkbox"/> 1. Flooring Meets Section 01350 or CRI Green Label Plus Requirements (80% Minimum) [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	1			1		
M. Appliances						
N. Other						
<input checked="" type="checkbox"/> 1. Homebuilder's Management Staff are Certified Green Building Professionals	1	1				
<input checked="" type="checkbox"/> 2. Detailed Durability Plan [*Points automatically granted when project qualifies for measure J3: ES with IAQ]	2				2	
<input type="checkbox"/> 3. Third-Party Verification of Implementation of Durability Plan	0				2	
<input type="checkbox"/> 4. Materials Sourced, Processed and Manufactured Within a 500 Mile Radius of the Home	0	1				
<input checked="" type="checkbox"/> 5. Comprehensive Owner's Manual and Homeowner Educational Walkthroughs	1		1			
Total Achievable Points in Innovation = 20		29				
		40				
Summary						
Total Available Points in Specific Categories		32	93	51	103	69
Minimum Points Required in Specific Categories		0	30	5	6	9
Total Points Achieved		341	14	192	32	60
						44