



# New Home Green Points Checklist

## Instructions for Completing Check List

Use this check list to design your project and to account for the points being claimed.

Unless exempted from the Green Building Program by SCMC Sec. 24.15.040, your project must comply with the minimum number of points to obtain a building permit for your new or remodeled building or addition. For accelerated processing or eligibility for a Green Building Award, the appropriate number of points must be attained as out-lined in Tables 1-3 in Sec. 12.15.030.

In the "Total" column is the maximum number of points that can be obtained for each particular object. Where points are allowed for cumulative objects such as the "Site" category, you may take all of the points allowed for lesser degrees of compliance than your design. (For example, if you divert 80% or more of your construction and demolition waste you may also claim the points for 50% and 65% diversion for a total of 3 points.)

All compliance measures must also be indicated clearly on the plan sets. A separate table should be included on either the title sheet or on the index sheet detailing what compliance measures are being taken.

### RESIDENTIAL COMPLIANCE SUMMARY

Project Address: \_\_\_\_\_ Square Footage: \_\_\_\_\_ (Include attached garage)

Type of Project: (Check one) \_\_\_ NEW \_\_\_ ADDITION \_\_\_ REMODEL

POINTS REQUIRED FOR (Check which one you are applying for):

PERMIT ISSUANCE \_\_\_ ACCELERATED PLAN CHECK \_\_\_ GREEN BUILDING AWARD \_\_\_

A. Total Points required from (Table 2 or 3): = \_\_\_\_\_

B. Additional points required per 100 sq. ft.: Sq. Ft. /100 X additional points factor (Table 2 or 3): = \_\_\_\_\_

C. Total points required for permit issuance(= A+ B): = \_\_\_\_\_

### POINTS BY CATEGORY:

A: Community Design Issues	_____	B: Site	_____
C: Foundation	_____	D: Structural Frame	_____
E: Exterior Finish	_____	F: Plumbing	_____
G: Electrical	_____	H: Appliances	_____
I: Insulation	_____	J: Windows	_____
K: Heating, Ventilation & Air Conditioning	_____	L: Renewable Energy and Roofing	_____
M: Natural Heating and Cooling	_____	N: Indoor Air Quality & Finishes	_____
O: Flooring	_____	P: Other	_____

**TOTAL POINTS FOR THIS PROJECT:** \_\_\_\_\_ **Verified By:** \_\_\_\_\_



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## Points available for Building Department Incentives

### A. Community Design Issues

- 1 Orient Homes on E/W Axis for Solar Access
- 2 Orient Living Rooms and Porches to Streets and Public Spaces
- 3 Build Mixed Use, Residential/Commercial
- 4 Design for Diverse Family Sizes
- 5 Provide 'granny flats" Above Garages
- 6 Build within 1/4 Mile of Public Transit Stop
- 7 Minimize Street Widths
- 8 Locate Buildings to Preserve Open Space and Wildlife Habitat

**Available Points**

	New Homes	Additions & Remodels	Notes
	0	0	
	0	0	
	0	0	
	0	0	
	0	0	
	0	0	
	0	0	
	0	0	
<b>Available Points</b>	<b>0</b>	<b>0</b>	

### B. Site

- 1 Recycle Job Site Construction & Demolition Waste  
50% Recycling Rate is Required  
65% Recycling Rate = 1 point  
75% Recycling Rate = 2 points  
80% Recycling Rate = 4 points
- 2 **Donate Unused Materials**
- 3 Protect Native Soil
- 4 **Minimize Disruption of Existing Plants/Trees**
- 5 Implement Construction Site Stormwater Practices
- 6 Protect Water Quality with Landscape Design
- 7 Design Resource and Water-Efficient Landscapes
- 8 Reuse Materials/Use Recycled Content Materials for Landscape Areas
- 9 Install High Efficiency Irrigation System
- 10 Provide for On-Site Water Catchment/Retention
- 11 Utilize Permeable Paving for 50% of Non- structural Site Paved Area

**Available Points**

	New Homes	Additions & Remodels	Notes
	4	4	
	4	4	
	2	0	
	1	1	
	2	2	
	2	0	
	2	2	
	2	2	
	2	2	
	2	2	
<b>Available Points</b>	<b>27</b>	<b>23</b>	



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## C. Foundation

	New Homes	Additions & Remodels	Notes
1 Incorporate Recycled Flyash in Concrete up to 15% = 2 points; Add 1 point for every 10% increase in flyash, up to 5 points	5	5	
2 Reuse Form Boards	1	1	
3 Re-usable Metal Forms	3	3	
4 Use Recycled Content Aggregate	2	2	
5. Insulate Foundation/Slab Before Backfill	3	3	
6 Install Rigid foam, Insulated Concrete Forms (ICF's)	3	3	
7 Rammed Earth Foundation (must meet engineering requirements for Seismic Zone 4)	5	5	
8 Use Non-Toxic Release Agents on Concrete Forms	1	1	
<b>Available Points</b>	<b>23</b>	<b>23</b>	

## D. Structural Frame

	New Homes	Additions & Remodels	Notes
1 Substitute Solid Sawn Lumber with Engineered Lumber			
A. Floors	1	1	
B. Headers (non-structural)	1	1	
C. Structural Beams and Headers	1	1	
2 Use FSC Certified Wood for Framing (For every 10% of FSC lumber used= 2 points, up to 10.	10	10	
3 Use Wood I-Joists for Floor and Ceilings	2	2	
4 Use Steel Interior Web Trusses	2	2	
5 Design Energy Heels on Trusses	2	2	
6 Use OSB			
A. Sub-floors	1	1	
B. Sheathing	1	1	
7 Use Finger-Jointed Studs for Non-Structural Vertical Applications	2	2	
8 Use Engineered Studs for Vertical Applications	2	2	
9 Use Recycled Content Steel Studs for Interior Framing	2	2	
Reduce Lumber Framing and Improve Thermal Performance* with Alternative Wall Construction Such As:			
- Insulated concrete forms-including Rastra **			
- Rammed-earth and pressed earthen block**			
10 - Straw bale**	20	20	
- Structural bamboo**			
2 points for every 10% reduction in framing compared to standard framing.			
*Steel framing is not eligible for this point due to thermal performance.			



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\*\* Must meet code requirements for Seismic Zone4

11	Design with 8 foot high plate: 2 points for each floor where used	6	6	
12	Apply Advanced Framing Techniques	4	4	
13	Use Reclaimed Lumber for Non-Structural Applications	3	3	
<b>Available Points</b>		<b>60</b>	<b>60</b>	

## D. Exterior Finish

		New Homes	Additions & Remodels	Notes
1	Use Sustainable Decking Materials			
	A. Recycled Content	3	3	
	B. FSC Certified Wood	3	3	
2	Use Non-CCA Treated Wood	1	1	
3	Install House Wrap Under Siding	1	1	
4	Use Alternative Siding Materials			
	A. Recycled Content	1	1	
	B. Fiber-Cement	3	3	
	C. Earth and/or Plaster	3	3	
5	Use Low/No VOC Exterior Paint Such As Silicate	2	2	
<b>Available Points</b>		<b>17</b>	<b>17</b>	

## F. Plumbing

		New Homes	Additions & Remodels	Notes
1	Insulate All Hot Water Pipes	2	2	
2	Install Flow Reducers to Reduce Flow To Less Than Code Requirement			
	A. Faucets (1 point each, up to 2 points)	2	2	
	B. Showerheads (1 point each, up to 2 points)	2	2	
3	Install Chlorine Filter on Showerhead	4	4	
4	Install Tankless Water Heater	2	2	
5	Pre-Plumb for Graywater Conversion	4	4	
6	Install Graywater System (per Appendix G of the CPC)	8	8	
7	Install Water Filtration Units at Faucets ( 2 points each, up to 4 points)	4	4	
8	Install On-Demand Hot Water Circulation Pump	4	4	
9	Install Zero-Water Urinals (1 point each to a max. of 2)	2	2	
10	Install Rainwater Collection and Storage			
	A. 2500 gallon capacity	5	5	
	B. 5000 gallon capacity	10	10	
11	Install Drain Water Heat Recovery Fixtures	3	3	
<b>Available Points</b>		<b>52</b>	<b>52</b>	



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G. Electrical		New Homes	Additions & Remodels	Notes
1	Install Compact Fluorescent Light Bulbs- CFLs. ( 6 bulbs = 2 points, 12 bulbs = 4 points, up to a max of 4 points)	4	4	
2	Install Air-tight Insulation-Compatable Re- cessed Fixtures for CFL's (1 point each, up to 5 points, T-24 required)	0	5	
3	Install Lighting Controls (1 point per fixture, up to 4 points)	4	4	
4	Install High Efficiency Ceiling Fans with CFLs (1 point each, up to 4 points)	4	4	
<b>Available Points</b>		<b>12</b>	<b>17</b>	

H. Appliances		New Homes	Additions & Remodels	Notes
1	Upgrade Insulation to Exceed Title 24 Require- ments by 20%.			
	A. Walls	2	2	
	B. Ceilings	2	2	
2	Install Recycled-Content, Formaldehyde-Free Fiberglass Insulation	3	3	
3	Use Advanced Infiltration Reduction Practices	2	2	
4	Use Environmentally Preferable insulation Materials. (Cellulose, Recycled Cotton, Wool, Foamed Concrete, Soy-Based Polyurethane)			
	A. Walls	4	4	
	B. Ceilings	4	4	
5	Install Straw Bale Insulation at Least 18" Thick	6	6	
<b>Available Points</b>		<b>23</b>	<b>23</b>	

J. Windows		New Homes	Additions & Remodels	Notes
1	Install Energy-Efficient Windows			
	A. Double-paned	0	1	
	B. Triple-paned	1	1	
	C. Low-emissivity (Low-E)	2	2	
	D. Low conductivity frames	2	2	
<b>Available Points</b>		<b>5</b>	<b>6</b>	

K. Heating Ventilation and Air Conditioning		New Homes	Additions & Remodels	Notes
1	Use Duct Mastic on All Duct Joints	0	1	
2	Install Ductwork Within Conditioned Space	3	3	
3	Vent Range Hood to the Outside	0	1	



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4	Clean All Ducts Before Occupancy	2	2	
5	Install Attic Ventilation Systems	1	1	
6	Install Whole House Fan	4	4	
7	Install Sealed Combustion Units			
	A. Furnaces	3	3	
	B. Water Heaters	3	3	
8	Install 13 SEER/I EER or Higher AC with a TXV	3	3	
9	Install AC with Non-HCFC Refrigerants	2	2	
10	Install 90% Annual Fuel Utilization Efficiency (AFUE) Furnace	2	2	
11	Eliminate Wood Burning Fireplaces	1	1	
12	Install Zoned, Hydronic Radiant Heating	3	3	
13	Install High Efficiency Particulate Air (HEPA) Filter	4	4	
14	Install Heat Recovery Ventilation Unit (HRV)	5	5	
15	Install Separate Garage Exhaust Fan	3	3	
	<b>Available Points</b>	<b>39</b>	<b>41</b>	

L. Renewable Energy and Roofing		New Homes	Additions & Remodels	Notes
1	Pre-Plumb for Solar Water Heating	4	4	
2	Install Solar Water Heating System	10	10	
3	Pre-Wire for Future Photovoltaic (PV) Installation	4	4	
4	Install Photovoltaic (PV) Panels (1.2kw = 6 points, 2.4 kw = 12 points, 3.6 kw = 18 points)	18	18	
5	Install Solar (PV) Walkway Lights	4	4	
6	Select Safe And Durable Roofing Materials	3	3	
7	Install Radiant Barrier Roof Sheathing	3	3	
8	Select EPA ENERGY STAR® Cool Roofing Material	3	3	
9	Use Roofing Materials with at Least 33% Recycled Content	3	3	
10	Install a Green Roof (Sod or other living roof)	12	12	
	<b>Available Points</b>	<b>64</b>	<b>64</b>	

M. Natural Heating and Cooling		New Homes	Additions & Remodels	Notes
1	Incorporate Passive Solar Heating	5	5	
2	Overhangs or Awnings on South Facing Walls	3	3	
3	Plant Deciduous Trees on the West and South Sides	3	3	
	<b>Available Points</b>	<b>11</b>	<b>11</b>	



# New Home Green Points Checklist

## N. Indoor Air Quality and Finishes

	New Homes	Additions & Remodels	Notes
1 Install Whole House Vacuum System	3	3	
2 Use Low/No-VOC Paint	1	1	
3 Use Low voe, Water-Based Wood Finishes	2	2	
4 Use Solvent-Free Adhesives	3	3	
5 Formaldehyde-Free Particleboard	6	6	
6 Use Exterior Grade Plywood for Interior Uses	1	1	
7 Use Formaldehyde-Free MDF and Materials	4	4	
8 Seal All Exposed Particleboard or MDF	4	4	
9 Use FSC Certified Materials for Interior Finish	4	4	
10 Use Finger-Jointed or Recycled Content Trim	1	1	
<b>Available Points</b>	<b>29</b>	<b>29</b>	

## O. Flooring

	New Homes	Additions & Remodels	Notes
1 Select FSC Certified Wood Flooring	8	8	
2 Use Rapidly Renewable Flooring Materials	4	4	
3 Use Salvaged or at Least 20% Recycled Con- tent Ceramic Tiles	4	4	
4 Install Natural Linoleum In Place of Vinyl	5	5	
5 Use Exposed Concrete as Finished Floor	4	4	
6 Install Recycled Content Carpet with Low VOCs.	4	4	
7 Use Finished Concrete for 50% or More of the Floor Area on the Gound Floor	8	8	
8 Use Earthen Flooring for 50% of Floor Area on the Gound Floor	10	10	
<b>Available Points</b>	<b>47</b>	<b>47</b>	



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P. Other		New Homes	Additions & Remodels	Notes
1	Incorporate Listing of Green Features into Cover of Blueprints	1	1	
2	Develop Homeowner Manual of Green Features/Benefits	1	1	
3	Offer Coupons for Compost Bins to Homeowners	1	1	
4	Energy Rations: Every % Reduction in Whole House Energy beyond Title 24 Code - 1 point (up to 30 points). Use Energy Software such as EnergyPro or MicroPas to show improvement over California Residential Energy Standards (Title 24)	30	30	
5	Innovation Points-These points are given for innovative approaches, including model zero net energy homes, new materials and methodologies, currently not identified above. These approaches must meet environmental goals identified in the Residential Green Building Guidelines.	10	10	
<b>Available Points</b>		<b>43</b>	<b>43</b>	

<b>TOTAL AVAILABLE NON-RESIDENTIAL POINTS</b>	<b>460</b>	<b>464</b>
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**TABLE 2: RESIDENTIAL NEW CONSTRUCTION ACTIONS AND POINT REQUIREMENTS**

Total points possible	460	
<i>Action</i>	<i>Points required to receive action</i>	
	<i>First 350 Square Feet</i>	<i>Each Additional 100 Square Feet or fraction thereof</i>
R-N-1. Receipt of Building Permit	10	1.5
R-N-3. Green Building Award	60	3.5

**TABLE 3: RESIDENTIAL REMODEL AND ADDITION ACTION POINT REQUIREMENTS**

Total points possible	464	
<i>Action</i>	<i>Points required to receive action</i>	
	<i>First 350 Square Feet</i>	<i>Each Additional 100 Square Feet or fraction thereof</i>
R-A/R-1. Receipt of Building Permit*	5	1.1
R-A/R-3. Green Building Award	35	2.5

\*Exception: These points are not required for additions and/or remodels of less than 350 square feet.