



# City of Albany

## Green Building Program Rating System for Remodeling Projects\* Supplemental Application Form

\*Please obtain other appropriate Green Point Checklist for projects other than Single Family Residential Remodeling Projects

Project Address: 1455 THOUSAND OAKS  
 Checklist Prepared By: BENNETT CHRISTOPHERSON, ARCHITECT  
 Date Prepared: 16 DEC 2011

INPUT	Resources	Energy	IAQ/Health
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### A. Site

- Recycle Job Site Construction & Demolition Waste  
65% = 1 point, 75% = 2 points; 80% = 4 points
- Salvage Reusable Building Materials
- Remodel for Mixed Use, Adaptive Reuse, and Historic Preservation
- Protect Native Soil
- Minimize Disruption of Existing Plants & Trees
- Implement Construction Site Stormwater Practices
- Protect Water Quality with Landscape Design
- Design Resource-Efficient Landscapes and Gardens
- Reuse Materials/Use Recycled Content Materials for Landscape Areas
- Install High-Efficiency Irrigation Systems
- Provide for On-Site Water Catchment / Retention

up to 4 Resource pts	1		
4 Resource pts	Y	4	
4 Resource pts			
2 Resource pts	Y	2	
1 Resource pt	Y	1	
2 Resource pts	Y	2	
2 Resource pts			
4 Resource pts			
2 Resource pts			
2 Resource pts			
2 Resource pts			

### B. Foundation

- Incorporate Recycled Flyash in Concrete  
25% Recycled Flyash = 2 points; Add 1 point for every 10% increase of flyash, up to 5 points
- Use Recycled Content Aggregate
- Insulate Foundation/Slab before backfill

up to 5 Resource pts			
2 Resource pts			
3 Energy pts			

### C. Structural Frame

- Substitute Solid Sawn Lumber with Engineered Lumber
- Use FSC Certified Wood for framing  
(For every 10% of FSC lumber used = 2 points, up to 10)
- Use Wood I-Joists for Floors and Ceilings
- Use Web Floor Trusses
- Design Energy Heels on Trusses 6" or more
- Use Finger-Jointed Studs for Vertical Applications
- Use Engineered Studs for Vertical Applications
- Use Recycled Content Steel Studs for Interior Framing
- Use Structural Insulated Panels (SIPs)
  - Floors
  - Wall
  - Roof

3 Resource pts	Y	3	
up to 10 Resource pts.			
2 Resource pts			
2 Resource pts			
2 Energy pts			
2 Resource pts			
2 Resource pts			
2 Resource pts			
2 Resource pts			
3 Energy pts			
3 Energy pts			
3 Energy pts			

	INPUT	Resources	Energy	IAQ/Health
2. Install Floor Insulation over Crawl Space	y=Yes			
3. Install Recycled-Content, Fiberglass Insulation with No Added Formaldehyde	y=Yes			
4. Use Advanced Infiltration Reduction Practices	y=Yes			
5. Use Cellulose Insulation				
a. Walls				
b. Ceilings				
6. Alternative Insulation Products (Cotton, spray-foam)				
a. Walls	y	4		
b. Ceilings	y			
<b>I. Windows</b>				
1. Install Energy-Efficient Windows				
a. Double-Paneled	y		1	
b. Low-Emissivity (Low-E)	y		2	
c. Low Conductivity Frames	y		2	
2. Install Low Heat Transmission Glazing	y			
<b>J. Heating Ventilation and Air Conditioning</b>				
1. Use Duct Mastic on All Duct Joints				
2. Install Ductwork within Conditioned Space				
3. Vent Range Hood to the Outside	y			
4. Clean all Ducts Before Occupancy				
5. Install Solar Attic Fan				
6. Install Attic Ventilation Systems				
7. Install Whole House Fan				
8. Install Sealed Combustion Units				
a. Furnaces				
b. Water Heaters				
9. Replace Wall-Mounted Electric and Gas Heaters with Through-the-Wall Heat Pumps				
10. Install 13 SEER/11 EER or higher AC with a TXV				
11. Install AC with Non-HCFC Refrigerants				
12. Install 90% Annual Fuel Utilization Efficiency (AFUE) Furnace	y		2	
13. Retrofit Wood Burning Fireplaces				
a. Install EPA certified wood stoves/inserts				
b. Install/Replace Dampers				
c. Install Airtight Doors				
14. Install Zoned, Hydronic Radiant Heating				
15. Install High Efficiency Filter	y		3	
16. Install Heat Recovery Ventilation Unit (HRV)				
17. Install Separate Garage Exhaust Fan				
<b>K. Renewable Energy and Roofing</b>				
1. Pre-Plumb for Solar Water Heating				
2. Install Solar Water Heating System				
3. Pre-Wire for Future Photovoltaic (PV) Installation				
4. Install Photovoltaic (PV) System (1.2 kw = 6 points, 2.4 kw = 12 points, 3.6 kw = 18 points)	y		12	
			Up to 18 Energy pts	

	INPUT	Resources	Energy	IAQ/Health
10. Apply Advanced Framing Techniques	4 Resource pts y=yes			
11. Use Reclaimed Lumber for Non Structural Applications	3 Resource pts y=yes			
12. Use OSB				
a. Subfloors	1 Resource pt y=yes			
b. Sheathing	1 Resource pt y=yes			

**D. Exterior Finish**

1. Use Sustainable Decking Materials	3 Resource pts y=yes	3		
a. Recycled content	3 Resource pts y=yes			
b. FSC Certified Wood	1 IAQ/Health pt y=yes			
2. Use Treated Wood That Does Not Contain Chromium/Arsenic	1 IAQ/Health pt y=yes			
3. Install House Wrap under Siding	1 Resource pt y=yes			
4. Use Fiber-Cement Siding Materials				

**E. Plumbing**

1. Install Water Heater Jacket	1 Energy pt y=yes			
2. Insulate Hot and Cold Water Pipes	2 Energy pts y=yes			
3. Retrofit all Faucets and Showerheads with Flow Reducers	Up to 2 Resource pts.			
a. Faucets (1 point each, up to 2 points)	Up to 2 Resource pts.			
b. Showerheads (1 point each, up to 2 points)	Up to 3 Resource pts.			
4. Replace Toilets with Ultra-Low Flush Toilets (1 point each, up to 3 points)	1 IAQ/Health pt y=yes			
5. Install Chlorine Filter on Showerhead	4 Energy pts y=yes			
6. Convert Gas to Tankless Water Heater	Up to 4 IAQ/Health pts.			
7. Install Water Filtration Units at Faucets (2 points each, up to 4 points)	4 Resource pts y=yes			
8. Install On-Demand Hot Water Circulation Pump				

**F. Electrical**

1. Install Compact Fluorescent Light Bulbs (CFLs) (6 bulbs=2 points, 10 bulbs =3 points, 12 bulbs = 4 points)	Up to 4 Energy pts.		4	
2. Install IC-AT Recessed Fixtures with CFLs (1 point each, up to 5 points)	Up to 5 Energy pts.			
3. Install Lighting Controls (1 point per fixture, up to 4 points)	Up to 4 Energy pts.		4	
4. Install High Efficiency Ceiling Fans with CFLs (1 point each, up to 4 points)	Up to 4 Energy pts.			

**G. Appliances**

1. Install Energy Star Dishwasher	1 Energy pt y=yes			
2. Install Washing Machine with Water and Energy Conservation Features	1 Energy pt y=yes			
3. Install Energy Star Refrigerator	1 Energy pt y=yes			
4. Install Built-In Recycling Center	3 Resource pts y=yes			

**H. Insulation**

1. Upgrade Insulation to Exceed Title 24 Requirements	2 Energy pts y=yes			
a. Walls	2 Energy pts y=yes			
b. Ceilings				

	INPUT	Resources	Energy	IAQ/Health
6. Select Safe and Durable Roofing Materials	y=yes			
7. Install Radiant Barrier	y=yes			
<b>L. Natural Heating and Cooling</b>				
1. Incorporate Passive Solar Heating	y=yes			
2. Install Overhangs or Awnings over South Facing Windows	y=yes			
3. Plant Deciduous Trees on the West and South Sides	y=yes			
<b>M. Indoor Air Quality and Finishes</b>				
1. Use Low/No-VOC Paint				
2. Use Low VOC, Water-Based Wood Finishes				
3. Use Low/No VOC Adhesives				
4. Use Salvaged Materials for Interior Finishes				
5. Use Engineered Sheet Goods with no added Urea Formaldehyde				
6. Use Exterior Grade Plywood for Interior Uses				
7. Seal all Exposed Particleboard or MDF				
8. Use FSC Certified Materials for Interior Finish				
9. Use Finger-Jointed or Recycled-Content Trim				
10. Install Whole House Vacuum System				
<b>N. Flooring</b>				
1. Select FSC Certified Wood Flooring				
2. Use Rapidly Renewable Flooring Materials				
3. Use Recycled Content Ceramic Tiles				
4. Install Natural Linoleum in Place of Vinyl				
5. Use Exposed Concrete as Finished Floor				
6. Install Recycled Content Carpet with Low VOCs				
<b>O. City of Albany Incentives</b>				
1. Additions less than 50% increase in floor area	y	20		
2. Additions less than 200sq.ft. or resulting in less than 1,500sq.ft.				
3. Seismic upgrade of existing building				
4. For having a hybrid or zero emissions vehicle	y			2
5. For having no automobile				
6. Plant more than one street tree when feasible				
7. Earthquake kit				

**TOTAL POINTS ACCUMULATED:**

(50 Points REQUIRED from all 3 columns)

50 points total Req'd

41	21	3
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75