

## 2008 TOUR OF HOMES Green Building Judging Criteria

**PREREQUISITE:** To be considered for the COBA Green Award, the home must be third party certified or undergoing certification, such as ENERGY STAR New Homes, Earth Advantage Homes, or LEED for Homes. If pursuing certification, the rough inspection must have been completed.



**BuildingGreen**<sup>TM</sup>  
COUNCIL OF CENTRAL OREGON

### Energy Efficiency (77 Points)

- |  | Points |
|--|--------|
| 1. Certification and BGC Membership (choose all that apply): |        |
| ○ Energy Star  | 5      |
| ○ Earth Advantage  | 10     |
| ○ LEED for Homes   | 15     |
| ○ Building Green Council Member                              | 5      |

**Total possible = 35**

- |   |   |
|---|---|
| 2. High Efficiency Heating System (choose one): |   |
| ○ Gas Furnace 90% or Heat Pump HSPF 8.5         | 1 |
| ○ Gas Furnace 92% or Heat Pump HSPF 9.0         | 2 |
| ○ Gas Furnace 95% or Heat Pump HSPF 9.5         | 3 |

**Total possible = 3**

- |  |   |
|--|---|
| 3. High Efficiency Cooling System (choose one):                    |   |
| ○ A/C 14 SEER  | 1 |
| ○ A/C 16 SEER  | 2 |
| ○ Passive Cooling (no refrigerant capability, shading, mass, etc.) | 3 |

**Total possible = 3**

- |  |   |
|--|---|
| 4. Heating and Cooling Ductwork (choose one):    |   |
| ○ Ducts sealed and tested (Energy Star standard) | 1 |
| ○ Ducts sealed and in conditioned space          | 2 |
| ○ No heating or cooling ducts                    | 3 |

**Total possible = 3**

- |                                |   |
|--------------------------------|---|
| 5. Air Tightness (choose one): |   |
| ○ 6 ACH@50                     | 1 |
| ○ 4 ACH@50                     | 2 |
| ○ 2 ACH@50                     | 3 |

**Total possible = 3**

6. Fresh Air Ventilation (choose one):
- Exhaust only (1.5 Sone quiet fan + automatic control) 1
  - Supply (fresh air duct, damper and electronic control) 2
  - Balance (supply and exhaust) 3
  - Heat Recovery (ERV or HRV) 4

**Total possible = 4**

7. Water Heater (choose one):
- High Efficiency Tank (EF 0.61 gas/ 0.93 elec) 1
  - Direct Vent (EF  $\geq 0.63$ ) 2
  - Gas Tankless (EF  $\geq 0.81$ ) 3

**Total possible = 3**

8. ENERGY STAR Appliances (choose all that apply):
- Dishwasher 1
  - Refrigerator 1
  - Clothes Washer 1

**Total possible = 3**

9. Lighting [permanent installation not table or floor lamps] (choose one):
- Fluorescents, LEDs (four or more dedicated or screw-ins) 1
  - Fluorescents or LEDs (50%) 2
  - Fluorescents or LEDs (100%) 3

**Total possible = 3**

10. Solar Ready Design (choose all that apply):
- Active hot water 1
  - Copper pipes, space for tank, etc. 1
  - Photovoltaic 1
  - No vents on south roof, space for inverter, etc. 1

**Total possible = 4**

11. Solar Thermal (choose all that apply):
- Domestic hot water 1
  - Active space heating (e.g., hydronic distribution) 1
  - Passive solar design 1  
(Building faces south, 50% of windows on south, thermal mass)

**Total possible = 3**

Photovoltaic (choose one):

- |        |   |
|--------|---|
| ○ 2 KW | 1 |
| ○ 3KW  | 2 |
| ○ 4KW  | 3 |

**Total possible = 3**

### Site Design (19 Points)

- |  |                  |
|--|------------------|
| 1. Reduce Site Impact (choose all that apply): | Points Available |
| ○ Preserve Native Plants & Trees               | 1                |
| ○ Erosion Control                              | 1                |
| ○ Protection of Undisturbed & Native Areas     | 1                |
| ○ Minimize Disturbed Areas                     | 1                |
| <b><u>Total possible = 4</u></b>               |                  |

- |  |   |
|--|---|
| 2. Waste Reduction Plan (choose all that apply):         |   |
| ○ Recycling of Jobsite Waste                             |   |
| ▪ Lumber   | 1 |
| ▪ Wallboard  | 1 |
| ▪ Cardboard  | 1 |
| ▪ Other (metal, plastic, misc. supplies)                 | 1 |
| ○ Retain Site Materials (dirt, topsoil, rocks) for Reuse | 1 |
| <b><u>Total possible = 5</u></b>                         |   |

- |   |   |
|---|---|
| 3. Landscaping (choose all that apply): |   |
| ○ Limited Lawn/Turf Area                | 1 |
| ▪ (20% maximum of landscaped area)      |   |
| ○ Use of Native Plants                  | 1 |
| ○ Natural/Dryscape Areas                | 1 |
| ○ Soil Amendments (organic)             | 1 |
| <b><u>Total possible = 4</u></b>        |   |

4. Water Management (choose all that apply):

- Low/No Water Usage (drip system) 1
  - Weather Based Automated Irrigation Control System 1
  - Onsite Water Retention and/or Filtration Plan 1
- Total possible = 3**

5. Landuse [45% maximum] (choose all that apply):

- Percentage of House-footprint to Land Used 1
- Site Stewardship
  - Solar Orientation & Solar Shadowing 1
  - Suitable Building Location & Design 1

**Total possible = 3**

### Resource Efficiency (15 Points)

1. Flooring [Wood, bamboo, tile, stone, concrete, cork, recycled carpet, wool or cotton carpet, natural linoleum] (choose one):
- 25 – 50% 1
  - 50 – 75% 2
  - 100% 3

**Total possible = 3**

2. Countertops (choose one):  
(Solid surface: e.g., tile, stone)
- 25 – 50% 1
  - 50 – 75% 2
  - 100% 3

**Total possible = 3**

3. Interior Millwork (choose one):  
(reclaimed, agrifiber, FSC certified)
- 50% 1
  - 100% 2

**Total possible = 2**

4. Low Flow Plumbing Fixtures (choose one):  
(Total percentage of fixtures: e.g., Faucets, showerheads, toilets)
- 25 – 50% 1
  - 50 – 75% 2
  - 100% 3

**Total possible = 3**

5. Siding (choose one):  
(Fiber cement, masonry, reclaimed, FSC certified)
- 50% 1
  - 100% 2

**Total possible = 2**

6. Exterior Living Spaces (choose one): 1  
 (Recycled content, reclaimed, pavers)

**Total possible = 1**

7. Recycled Content Paint (choose one): 1

**Total possible = 1**

**Indoor Air Quality (16 Points)**  
**Reduced Pollutants and Ventilation/Filtration of Air**

1. Humidity Control (choose one): 1  
 ○ Humidifier attached to HVAC system

**Total possible = 1**

2. Air Filtration by MERV(choose one): 1  
 ○ MERV 8-12 1  
 ○ MERV 13-14 2  
 ○ MERV 15-16 3

**Total possible = 3**

3. Reduced Volatile Organic Compounds (choose all that apply): 1  
 ○ Low or NO VOC paints less than 150 gpl 1  
 ○ Stains and Sealers less then 350 gpl 1  
 ○ Floor finishes less then 100 gpl 1

**Total possible = 3**

4. Formaldehyde-free (choose all that apply): 1  
 ○ Cabinets 1  
 ○ Shelving 1  
 ○ Underlayments 1  
 ○ Counter subtops 1

**Total possible = 4**

5. Hard surface to Carpet Ratio of floor coverings (Choose one): 1  
 ○ 26% to 50% 1  
 ○ 51% to 75% 2  
 ○ 76% to 100% 3

**Total possible = 3**

6. Central Vacuum Vented to Outside(choose one):

1

**Total possible = 1**

7. CRI Green Label Carpet (choose one):

1

**Total possible = 1**

### Efficient Building Design (23 Points)

1. Green certified/ Reclaimed wood (choose all that apply):

- Dimensional 1
- Trim/ siding 1
- Roof 1
- Floor assembly 1

**Total possible = 4**

2. Efficient windows [U-value] (choose one):

- .35 1
- .32 (Average of all windows in structure.) 2
- .30 3

**Total possible = 3**

3. High Performance Thermal Insulation (choose all that apply):

- Floor >R25 1
- Wall >R21 1
- Roof > R38 1
- Raised heel Truss 1

**Total possible = 4**

4. Alternate Building Systems (choose all that apply):

- SIP, ICF, Panelized, etc. 1

**Total possible = 1**

5. Advanced Framing Techniques (choose all that apply):

- Insulated headers 1
- Open stud corners 1
- 24 in./19.2in. OC 1
- Finger joint studs 1
- Engineered lumber/ Truss/ Floor Joists 1

**Total possible = 5**

**6. Building Tightness @ 50 Pascals (choose all that apply):**

- 6 ACH **1**
- 4 ACH **2**
- 2 ACH **3**

**Total possible = 3**

**7. Water Management (choose all that apply):**

- Properly detailed housewrap **1**
- Pan Flashed Windows/ Doors **1**
- Rain Screen/ High Performance Drainage System **1**

**Total possible = 3**

**Other Innovations (4 Points)****1. Technology Control** (choose all that apply):

- Lighting 1
- Blinds 1
- HVAC 1

**Total possible = 3**

**2. Window Treatment** (choose one):

- Tinting 1

**Total possible = 1**

**GRAND TOTAL POSSIBLE POINTS = 148**