

# Earth Advantage® New Homes Standard - Points Worksheet 2008 Site Built Residential – Oregon

∞ Energy ❖ Health ❖ Land ❖ Materials ❖ Water ∞

The Earth Advantage® program consists of individual measures that have been evaluated by using the five categories of the Earth Advantage program: Energy, Health, Land, Materials, and Water. This evaluation leads to measure scores in each of the five categories.

For a house to be certified under the Earth Advantage New Homes criteria, each house must meet all 2009 Northwest ENERGY STAR New Homes Program (Oregon BOP) requirements as well as achieve a minimum of the following point totals per each of the other four Earth Advantage Homes categories; Health (25), Land (15), Materials (25), Water (15), plus an additional 10 points, for a total of 90 or more points. In addition, *Core Measures* are required in each of the subsections: 1) Waste Management 2) Infiltration, 3) Insulation 4) Windows, 5) HVAC, 6) Ventilation, 7) Lighting, 8) Water Heating, 9) Appliances, 10) Interior Surface Coatings. Incorporating these Core Measures into your project will ensure that the home being built performs 15% or better than standard building practices in Oregon and reach a higher standard for indoor air quality, environmental responsibility, water conservation, and resource efficiency. Shaded Measures are required; E.G. 1.1.3; Develop and Implement Erosion Control Site Plan.

To complete the worksheet, select measures to install or implement in your project. Then total the number of points in each category to reach the required number of points for certification. In addition to the completed worksheet, each house must have appropriate documentation (when applicable), pass required performance tests (blower door and duct blast tests if appropriate) pass insulation inspection and a final inspection by Earth Advantage Field Technicians.

Please note, in the Energy column where indicated “Model”, Energy points are awarded based upon a HERS (Home, Energy, Rating, System) Index model of the home and will vary due to home size and selection of measures. Your Earth Advantage Sales Consultant will discuss with you the point values after a computer-modeling run (if appropriate) of your project. (1) HERS point is equivalent to (1) Earth Advantage Homes point. Please, see Measures Resource Guide for further explanation. Additional charges may apply for detailed plan review and energy modeling.

Also to be noted: measures marked with “AF” require that an Accountability Form be signed and completed by the responsible party, and submitted upon final home review.

Completed worksheets can be submitted via mail, Email, fax or in person.

Earth Advantage Homes Program  
16280 SW Upper Boones Ferry Road  
Portland, OR 97224  
T: 503-968-7160  
F: 503-968-6160  
Earthadvantage.org

## Builder Information

Builder: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Contact Phone: \_\_\_\_\_ Contact Fax: \_\_\_\_\_

Contact Email: \_\_\_\_\_

# Earth Advantage® New Homes Standard Points Worksheet - 2008

				Energy	Health	Land	Materials	Water
<b>1 Site Planning</b>								
<b>1.1 Site Protection</b>								
AF	1.1.1	<b>Access to Public Transit</b> – 1/2 mile		0	1	1	0	0
AF	1.1.2	<b>Access to Household Services</b> – Min. 6 within 1/2 mile		0	1	1	0	0
AF	1.1.3	<b>Develop and Implement Erosion Control Site Plan</b>		0	0	2	0	1
AF	1.1.4	<b>Existing Trees:</b> Number of trees 4" caliper or larger saved		0	0	1/2	0	1
<input type="checkbox"/>	1.1.5	<b>Stormwater Control:</b> Bio-retention system onsite – 100% of lot		0	0	3	0	2
AF	1.1.6	<b>Onsite Infiltration System:</b> For roof drains		0	0	2	0	1
<input type="checkbox"/>	1.1.7	<b>Compostable Erosion Control Amendment:</b> 2" minimum used during construction		0	0	2	0	1
<input type="checkbox"/>	1.1.8	<b>Buffer along Natural Features</b>		0	0	1	0	0
<input type="checkbox"/>	1.1.9	<b>Protect Non-Grading Areas</b>		0	0	1	0	1
<input type="checkbox"/>	1.1.10	<b>Pervious Surface:</b> Percentage of hardscape - 25-50% / >51%		0	0	1/2	0	1
<b>1.2 Land Use</b>								
<input type="checkbox"/>	1.2.1	<b>Infill Lot:</b> Build home on existing open lot in existing neighborhood		0	0	2	1	0
AF	1.2.2	<b>Lot Size:</b> 1/10 <sup>th</sup> acre / 1/15 <sup>th</sup> / 1/24 <sup>th</sup> acre lot of developable land		0	0	1/2/4	1	0
<input type="checkbox"/>	1.2.3	<b>House Size:</b> No larger than 2000/1500/1000/750 sq ft.	Model	0	0	1/2/3/4	1/2/3/4	0
AF	1.2.4	<b>Build on Greyfield or Brownfield</b>		0	0	2/4	0	0
<input type="checkbox"/>	1.2.5	<b>Mixed Use Building</b>		0	1	2	1	0
<b>2 Waste Management</b>								
<b>2.1 Waste Management</b>								
AF	2.1.1	<b>Develop and Implement Waste Management Reduction Plan</b>		0	0	1	2	0
AF	2.1.2	<b>Recycle 100% of Wood &amp; Cardboard</b>		0	0	2	0	0
AF	2.1.3	<b>Recycle 100% of Metal and/or Drywall and/or shrinkwrap and plastic</b>		0	0	1/2/3	0	0
<b>3 Building Envelope and Systems Resource Efficient Foundation and Shell Systems</b>								
<b>3.1 Durability Strategies</b>								
<input type="checkbox"/>	3.1.1	<b>Wall Sheathing:</b> Plywood		0	0	0	1	0
AF	3.1.2	<b>Weather Barrier:</b> Installed properly		0	0	0	1	0
AF	3.1.3	<b>Window/Door Flashing System:</b> Sill pans and/or flexwrap		0	0	0	2	0
AF	3.1.4	<b>Rainscreen Wall System:</b> Airspace under masonry cladding		0	0	0	1	0
AF	3.1.5	<b>Rainscreen Wall System:</b> Airspace under siding (whole house)		0	1	0	3	0
<input type="checkbox"/>	3.1.6	<b>Low-Point Drain:</b> Crawl space or basement		0	0	0	1	0
<b>3.2 Foundation Systems ENERGY STAR® Homes measures applicable if building with that system</b>								
<input type="checkbox"/>	3.2.1	<b>Basement Wall Insulation:</b> Fiberglass only / Rigid foam with fiberglass – required for basements (R19)	ES		0/1	0	0/1	0
AF	3.2.2	<b>Slab Insulation:</b> Slab fully insulated (R10) - req. for radiant heat	ES		0	0	0	0
<input type="checkbox"/>	3.2.3	<b>Slab on Grade</b>		0	2	0	0	0
<input type="checkbox"/>	3.2.4	<b>Unvented Conditioned Crawlspace:</b> Insulated walls w/rat slab		0	2	0	0	0
<b>3.3 Wall Framing and Insulation (No single wall construction unless proper moisture mgmt. details incorporated)</b>								
<input type="checkbox"/>	3.3.1	<b>Intermediate Framing Techniques</b>	ES		0	0	1	0
<input type="checkbox"/>	3.3.2	<b>Advanced Framing Techniques</b>	Model		0	0	2	0
<input type="checkbox"/>	3.3.3	<b>Engineered Wood Studs</b>		0	0	0	2	0
<input type="checkbox"/>	3.3.4	<b>Foam Exterior Insulation:</b> (R2.5 / R5)	Model		1	0	0	0
<input type="checkbox"/>	3.3.5	<b>Spray-in-Place Foam Insulation:</b> Low density/High density	Model		1	0	0	0
<input type="checkbox"/>	3.3.6	<b>Structural Insulated Panel System (SIPS)</b>	Model		1	0	4	0
AF	3.3.7	<b>Panelized Wall Systems</b>		0	0	0	2	0
<input type="checkbox"/>	3.3.8	<b>Insulated Concrete Forms System (ICF):</b> Foam / Recycled	Model		1	0	4/5	0
<b>Page 1 Points</b>								

			Energy	Health	Land	Materials	Water
<b>3.4 Attic Framing and Insulation</b>							
<input type="checkbox"/>	3.4.1	<b>Ceiling Insulation:</b> R49 (R38 in vaults)	ES	0	0	0	0
<input type="checkbox"/>	3.4.2	<b>Structural Insulated Panels:</b> R49 Flat / R38 vault	Model	0	0	3	0
<input type="checkbox"/>	3.4.3	<b>Extended Eaves:</b> Minimum extension – 24” from vertical	Model	0	0	2	0
<input type="checkbox"/>	3.4.4	<b>Unvented Conditioned Attic Space:</b> With no thermal bridge	0	0	0	1	0
<input type="checkbox"/>	3.4.5	<b>Energy or Raised Heel Truss</b>	Model	0	0	1	0
<b>3.5 Floor Framing and Insulation</b>							
<input type="checkbox"/>	3.5.1	<b>Floor Insulation:</b> R38	ES	0	0	0	0
<input type="checkbox"/>	3.5.2	<b>Decking System:</b> Engineered decking	0	1	0	1	0
<input type="checkbox"/>	3.5.3	<b>Flooring Support System:</b> 100% I-Joist system used in house	0	0	0	1	0
<input type="checkbox"/>	3.5.4	<b>Flooring Support System:</b> Open-web joist system used in house	0	0	0	2	0
<b>3.6 Roofing Material</b>							
<input type="checkbox"/>	3.6.1	<b>Eco-Roof:</b> Vegetated / green roof (1-25%/26-50%/51-75%/76-100%)	0	0	1	0	1/2/3/4
AF	3.6.2	<b>Recycled Content:</b> Composite or Metal (50% Post-consumer)	0	0	1	3	0
<input type="checkbox"/>	3.6.3	<b>Tile:</b> Concrete or Clay	0	0	0	2	0
AF	3.6.4	<b>Composition:</b> 40 year or greater warranty	0	0	0	1	0
AF	3.6.5	<b>ENERGY STAR Reflective Roof Product or Radiant Barrier</b>	1	0	0	0	0
<b>3.7 Exterior Materials Selected siding systems require properly installed weather barrier</b>							
AF	3.7.1	<b>FSC Certified Wood:</b> Siding materials (1-25%/26-50%/51-75%/76-100%)	0	0	1/2/3/4	0	0
AF	3.7.2	<b>Reclaimed/Recycled Siding:</b> (5-25%/26-50%/51-75%/76-100%)	0	0	1/2/3/4	1/2/3/4	0
<input type="checkbox"/>	3.7.3	<b>Fiber Cement:</b> 50-yr. warranty (1/50%/51-100%)	0	0	0	1/2	0
<input type="checkbox"/>	3.7.4	<b>Exterior Surface not Painted:</b> Masonry or other durable surface (25-51%/51-75%/76-100%)	0	0	0	1/2/3	0
<input type="checkbox"/>	3.7.5	<b>Outdoor Decking:</b> Plastic lumber deck top (50% post-consumer)	0	0	1	2	0
<input type="checkbox"/>	3.7.6	<b>Outdoor Patio:</b> Concrete or pavers	0	0	0	1	0
<b>3.8 Exterior Coatings</b>							
<input type="checkbox"/>	3.8.1	<b>Exterior Paint:</b> Low VOC (150/gpl or lower) / Lifetime warranty	0	1	0	0/2	0
<input type="checkbox"/>	3.8.2	<b>Exterior Stain:</b> Low VOC (150/gpl or lower)	0	1	0	0	0
<input type="checkbox"/>	3.8.3	<b>Green Seal Certified Paint:</b> Additional points to paint measures	0	0	1	0	0
<input type="checkbox"/>	3.8.4	<b>Exterior Paint:</b> Recycled content (min. 50% post-consumer)	0	0	1	2	0
<b>3.9 Windows</b> (U-value of 0.32 or better – higher energy points for better U Value) Note: Window area can be up to 21% of the Heated Floor Area							
<input type="checkbox"/>	3.9.1	<b>Window Efficiency:</b> U-0.32	ES	0	0	0	0
<input type="checkbox"/>	3.9.2	<b>Window Framing Material:</b> Composite or wood with clad exterior	0	1	0	1	0
AF	3.9.3	<b>Window Framing Material:</b> Frame is FSC Certified material	0	0	1	0	0
<b>3.10 Skylight / Solar Tube</b>							
<input type="checkbox"/>	3.10.1	<b>Skylight / Solar Tube:</b> Insulated shaft	0	1	0	0	0
<b>3.11 Shell Resource Efficient Measures</b>							
<input type="checkbox"/>	3.11.1	<b>Exterior Doors:</b> Steel and/or Fiberglass (R5 min) (28 ft <sup>2</sup> exempt)	ES	0	0	1	0
AF	3.11.2	<b>Recycled Content Insulation:</b> Cellulose, Cotton or Fiberglass (25% - 50% / 51% and greater – Post-consumer)	0	0	1	1/2	0
<input type="checkbox"/>	3.11.3	<b>Blown-in Insulation System:</b> High density in enclosed cavities	Model	0	0	1	0
<input type="checkbox"/>	3.11.4	<b>Green Guard Certified Insulation</b>	0	1	0	0	0
AF	3.11.5	<b>Concrete with Fly Ash or Slag:</b> (15% - 24% mix / 25% or greater)	0	0	1/2	1/2	0
AF	3.11.6	<b>FSC Certified Wood:</b> All framing materials (5-25%/26-50%/51-75%/76-100%)	0	0	2/4/6/8	0	0
AF	3.11.7	<b>Reclaimed/Recycled Structural Lumber</b> (5-25%/26-50%/51-75%/76-100%)	0	0	2/4/6/8	1/2/3/4	0
<b>4 Heating and Cooling Systems</b>							
<b>4.1 Fireplace <i>Un-vented fireplace not allowed</i></b>							
EA	4.1.1	<b>Gas Fireplace/Heater:</b> Sealed combustion w/electronic ignition	2	1	0	0	0
AF	4.1.2	<b>Gas Heater for Primary Heat Source:</b> ENERGY STAR reqs.	0	0	0	1	0
<input type="checkbox"/>	4.1.3	<b>Electric Flame Fireplace</b>	0	1	0	0	0
<input type="checkbox"/>	4.1.4	<b>No Fireplace or Wood Burning Stove Installed in Home</b>	0	2	0	1	0
<b>Page 2 Points</b>							

			Energy	Health	Land	Materials	Water
<b>4.2 High Efficiency Heating/Cooling Equipment</b> (Combustion space heating equipment within the conditioned space must be direct vent or sealed combustion)							
AF	4.2.1	<b>Design Heating/Cooling Loads Using Appropriate Industry Guidelines:</b> Manual J and Manual S or equivalent	0	1	0	1	0
<input type="checkbox"/>	4.2.2	<b>Forced Air Gas:</b> Min. 90% AFUE furnace	ES	0	0	0	0
<input type="checkbox"/>	4.2.3	<b>Heat Pump:</b> Split System – min. HSPF 8.5 & SEER 13+	ES	0	0	0	0
<input type="checkbox"/>	4.2.4	<b>Ductless Heat Pump System:</b> Min. HSPF 7.7 & SEER 13+	ES	0	0	0	0
<input type="checkbox"/>	4.2.5	<b>Heat Pump:</b> Geothermal, Groundwater, or Water Source	Model	0	0	0	0
<input type="checkbox"/>	4.2.6	<b>Heat Pump Commissioning:</b> Documentation required	ES	0	0	0	0
<input type="checkbox"/>	4.2.7	<b>Integrated Space/Water Heating System:</b> Turbonic/Hydronic	Model	0	0	2	0
<input type="checkbox"/>	4.2.8	<b>Alternate Cooling System:</b> No capacity to use refrigerants	0	0	1	1	0
<b>4.3 Ductwork</b>							
AF	4.3.1	<b>Design Duct System Using Appropriate Industry Guidelines:</b> Manual D or equivalent	0	1	0	0	0
<input type="checkbox"/>	4.3.2	<b>Duct Leakage Test:</b> Max leak <.06 CFM per ft <sup>2</sup> of floor <b>OR</b> 75 CFM total @ 50 pa and all ducts sealed with water based mastic	ES	2	0	0	0
<input type="checkbox"/>	4.3.3	<b>Zonal Pressure Relief</b>	ES	1	0	0	0
<input type="checkbox"/>	4.3.4	<b>Ductwork and Air Handling Equipment in Heated Space</b>	Model	2	0	1	0
<b>4.4 Additional Ductwork Measures</b>							
EA	4.4.1	<b>Protect Duct Vents:</b> Cover supply/return vents during construction and install temporary filter on cold return vent	0	1	0	1	0
AF	4.4.2	<b>House Dry-out:</b> No central heating system gas or propane used	0	1	0	2	0
<input type="checkbox"/>	4.4.3	<b>Hard Ducting:</b> All ducting is rigid metal	0	0	0	1	0
<input type="checkbox"/>	4.4.4	<b>Pre-fabricated Sealed Boot</b>	0	1	0	0	0
<input type="checkbox"/>	4.4.5	<b>Forced Air Zoning System</b>	1	1	0	0	0
<input type="checkbox"/>	4.4.6	<b>Non-ducted System</b>	Model	3	0	0	0
<b>5 Infiltration/Air Sealing/Ventilation</b>							
Please contact your Earth Advantage Consultant for assistance selecting the best Whole- House Ventilation option							
<b>5.1 Infiltration / Air Sealing</b>							
<input type="checkbox"/>	5.1.1	<b>House Tightening Measures:</b> Blower Door Test	ES	3	0	0	0
<input type="checkbox"/>	5.1.2	<b>Thermal Bypass Checklist:</b> ENERGY STAR National Checklist	Model	1	0	1	0
<b>5.2 Whole-House Ventilation</b> Must choose one of the following							
<input type="checkbox"/>	5.2.1	<b>Exhaust Only:</b> Non-ducted heating system only	ES	1	0	1	0
AF	5.2.2	<b>Supply Only:</b> Forced air ducted systems	ES	2	0	1	0
AF	5.2.3	<b>Balanced System:</b> Exhaust and supply balanced	ES	3	0	1	0
<input type="checkbox"/>	5.2.4	<b>Premium Package:</b> HRV/ERV systems	Model	4	0	2	0
<b>6 Lighting, Appliances and Water Heating</b>							
<b>6.1 Lighting</b>							
<input type="checkbox"/>	6.1.1	<b>ENERGY STAR Lighting Package:</b> 75%+ of fixtures are fitted with ENERGY STAR products	ES	0	0	0	0
<input type="checkbox"/>	6.1.2	<b>ENERGY STAR Premium Lighting Package:</b> 75% of sockets plus 15 bulbs <b>OR</b> 100% sockets are fitted with ENERGY STAR lights	1	0	0	0	0
<input type="checkbox"/>	6.1.3	<b>Insulated Ceiling is Free of Recessed Lights</b>	1	1	0	1	0
<input type="checkbox"/>	6.1.4	<b>Lighting Controls:</b> Interior and/or exterior One point for two controllers up to 2 points–min. of two controllers	1-2	0	0	0	0
<b>6.2 Appliances</b> (ENERGY STAR requires that all built-in appliances must be ENERGY STAR rated and labeled)							
<input type="checkbox"/>	6.2.1	<b>Dishwasher:</b> ENERGY STAR spec	ES	0	0	0	1
<input type="checkbox"/>	6.2.2	<b>Clothes Washer:</b> ENERGY STAR spec	1	0	0	0	2
<input type="checkbox"/>	6.2.3	<b>Refrigerator:</b> ENERGY STAR spec	1	0	0	0	0
<b>6.3 Water Heating</b> (Combustion water heating equipment within the conditioned space must be direct vent or sealed combustion)							
<input type="checkbox"/>	6.3.1	<b>Gas High Efficiency:</b> <60 gal. - .62 EF, >61 gal. see app. list	ES	0	0	0	0
<input type="checkbox"/>	6.3.2	<b>Electric High Efficiency:</b> 70 gal. or less - .93 EF, 71 gal. or larger - .91 EF	ES	1	0	0	0
<input type="checkbox"/>	6.3.3	<b>Tankless Gas:</b> >= 0.81 EF	Model	0	0	1	0
<input type="checkbox"/>	6.3.4	<b>Insulation on all Hot Water Piping:</b> R4 min.	1	0	0	0	1
<input type="checkbox"/>	6.3.5	<b>Direct or Power Vented Water Heater:</b> If located in conditioned space	Model	1	0	0	0
<b>Page 3 Points</b>							

			Energy	Health	Land	Materials	Water
<b>7 Indoor Air Quality</b>							
<b>7.1 Project Wide Air Quality Measures</b>							
<input type="checkbox"/>	7.1.1	<b>Combustion Appliance Zone Safety (CAZ):</b> Pressure test req. for combustion within shell	ES	1	0	0	0
<input type="checkbox"/>	7.1.2	<b>Third-Party Framing Lumber Moisture Test:</b> 19% or lower	0	2	0	1	0
<input type="checkbox"/>	7.1.3	<b>Air Filter:</b> MERV 8 - 12 / 13 or higher	0	1/2	0	0	0
<input type="checkbox"/>	7.1.4	<b>Hardwired CO Monitor:</b> No dual monitor/monitor on each floor	0	1	0	0	0
<input type="checkbox"/>	7.1.5	<b>Bath Fans:</b> Fans in full baths meet ENERGY STAR requirements	ES	1	0	1	0
<input type="checkbox"/>	7.1.6	<b>Bath Fan Controls:</b> All Controls - Occupancy/Timer/Humidistat	0	1	0	1	0
<input type="checkbox"/>	7.1.7	<b>Bath Fan Air Flow Test:</b> Meet ASHRAE 62.2 req.	0	2	0	1	0
AF	7.1.8	<b>Low VOC Sealants/Caulking:</b> <50 VOC	0	1	0	0	0
AF	7.1.9	<b>Low VOC Construction Adhesives:</b> <70 VOC	0	1	0	0	0
<input type="checkbox"/>	7.1.10	<b>Humidity Control System:</b> Permanently installed	0	1	0	1	0
<input type="checkbox"/>	7.1.11	<b>Central Vacuum:</b> Provide rough-in for future use	0	0	0	1	0
<input type="checkbox"/>	7.1.12	<b>Central Vacuum:</b> Install and vent to outside	0	1	0	0	0
<input type="checkbox"/>	7.1.13	<b>Exhaust Fan for Attached Garage:</b> Automatic control	0	2	0	0	0
<input type="checkbox"/>	7.1.14	<b>House has Detached or No Garage</b>	0	3	0	0	0
<b>7.2 Interior Surface Coatings</b>							
EA	7.2.1	<b>Wall &amp; Ceiling Latex Paint:</b> Low VOC (150 – 50/<50 grams per liter)	0	1/2	0	0	0
<input type="checkbox"/>	7.2.2	<b>Green Seal Certified Paint:</b> Additional point to 7.2.1 measure	0	1	1	0	0
<input type="checkbox"/>	7.2.3	<b>Interior Surface:</b> Requires No Paint/Finishes	0	1	0	1	0
<input type="checkbox"/>	7.2.4	<b>Trim Paint:</b> Low VOC (150 grams per liter or less)	0	1	0	0	0
AF	7.2.5	<b>Clear Wood Finish:</b> Low VOC (550/350 grams per liter or less)	0	1/2	0	0	0
AF	7.2.6	<b>Wood Floor Finish:</b> Low VOC (150 grams per liter or less)	0	1	0	0	0
<input type="checkbox"/>	7.2.7	<b>Recycled Content Paint</b>	0	0	1	2	0
<b>8 Resource Efficient Building Materials</b>							
<b>8.1 Locally Sourced Materials</b>							
AF	8.1.1	<b>Local Materials:</b> Within 500 miles - 1 point each - up to 4 items	0	0	1-4	0	0
<b>8.2 Cabinets / Countertops</b>							
AF	8.2.1	<b>FSC Certified Wood/Reclaimed Wood:</b> Face frame and door	0	0	2	0/1	0
AF	8.2.2	<b>Plywood/Ag-Fiber:</b> Base cabinet	0	0	0	1/2	0
AF	8.2.3	<b>Urea-Formaldehyde Free:</b> Shelves or cabinets/shelves and cabinets	0	1/2	0	0	0
AF	8.2.4	<b>Recycled Content Countertop:</b> 25% Post-consumer content	0	0	1	1	0
<input type="checkbox"/>	8.2.5	<b>Built-in Recycling Center:</b> Minimum 2 major receptacles	0	0	1	0	0
<b>8.3 Millwork and Interior Trim</b>							
AF	8.3.1	<b>FSC Certified Wood / Reclaimed Wood</b>	0	0	2	0/1	0
AF	8.3.2	<b>Engineered Wood:</b> MDF or finger-jointed	0	0	0	1	0
AF	8.3.3	<b>Urea-Formaldehyde Free Trim Material</b>	0	1	0	0	0
<b>8.4 Finished Flooring</b>							
AF	8.4.1	<b>FSC Certified Wood / Reclaimed Wood:</b> 20% or greater	0	0	3	0/1	0
<input type="checkbox"/>	8.4.2	<b>Hard Surface:</b> Finished floor (25-50% / 51-75% / 76-100%)	0	1/2/3	0	1/2/3	0
<input type="checkbox"/>	8.4.3	<b>Alternative Flooring:</b> Finished slab on grade or other	0	0	0	1	0
<input type="checkbox"/>	8.4.4	<b>Carpet:</b> Natural fiber – wall-to-wall (wool and others)	0	1	0	1	0
AF	8.4.5	<b>Carpet:</b> Post-consumer recycled content (20-50% / 51%-100%)	0	0	1/2	1/2	0
AF	8.4.6	<b>Carpet:</b> Carpet & Rug Institute (CRI) Green Label/Green Label Plus – Additional points to above measures	0	1/2	0	0	0
AF	8.4.7	<b>Carpet Pad:</b> Carpet Rug Institute Green Label/Green Label Plus	0	1/2	0	0	0
AF	8.4.8	<b>Urea Formaldehyde-free Underlayment</b>	0	2	0	0	0
<input type="checkbox"/>	8.4.9	<b>Renewable Materials:</b> Linoleum, Cork or Bamboo 5-20%/21-100%	0	0	0	1/2	0
<b>9 Water Efficiency and Landscaping</b>							
<b>9.1 Indoor Water</b> (100% of fixtures in its category must qualify for points to be awarded)							
<input type="checkbox"/>	9.1.1	<b>Whole-House Pressure Regulating Valve</b>	0	0	1	0	1
<input type="checkbox"/>	9.1.2	<b>Efficient Showerheads:</b> <=2 gpm or Water Sense label – one showerhead per stall	1	0	0	0	2
<input type="checkbox"/>	9.1.3	<b>Efficient Lavatory Faucets:</b> 1.5/0.5 gpm or less or Water Sense label	1	0	0	0	1/2
<b>Page 4 Points</b>							

			Energy	Health	Land	Materials	Water
<b>9.1 Indoor Water</b> (Cont.) (100% of fixtures in its category must qualify for points to be awarded)							
<input type="checkbox"/>	9.1.4	<b>Efficient Kitchen Faucets:</b> 1.5 gpm or less or Water Sense label	1	0	0	0	1
<input type="checkbox"/>	9.1.5	<b>Refrigerator:</b> Through the door water and ice unit	0	0	0	0	1
<input type="checkbox"/>	9.1.6	<b>High-Efficient Toilets:</b> WaterSense qualified toilet – 1.28 gpf	0	0	0	0	3
<input type="checkbox"/>	9.1.7	<b>Whole-House On-Demand Hot Water Delivery System</b>	2	0	0	0	4
<input type="checkbox"/>	9.1.8	<b>Hot Water Piping Runs:</b> 20 feet one story - 10 feet for each additional floor	1	0	0	1	2
<input type="checkbox"/>	9.1.9	<b>Home Run Plumbing Distribution System:</b> Plumbing manifold and PEX piping	1	0	0	0	2
<input type="checkbox"/>	9.1.10	<b>Rainwater Collected:</b> For non-potable indoor water use	0	0	1	0	4
<b>9.2 Irrigation</b>							
AF	9.2.1	<b>Pressure Regulating Valves/Sprinkler Heads</b>	0	0	0	0	1
AF	9.2.2	<b>Low-Volume Irrigation System</b>	0	0	0	0	2
AF	9.2.3	<b>Hydro Zoning:</b> Grouping of plants and lawn for watering	0	0	0	0	3
AF	9.2.4	<b>Irrigation Controller:</b> Water saving features	0	0	0	0	2
AF	9.2.5	<b>Weather Based Irrigation Controller</b>	0	0	0	0	3
AF	9.2.6	<b>No Permanent Irrigation Installed:</b> All landscaping	0	0	0	1	2
<b>9.3 Landscaping</b>							
AF	9.3.1	<b>Organic Matter:</b> Added to soil - 2" tilled to 6-8" depth	0	0	1	0	3
AF	9.3.2	<b>Test Soil:</b> Implement Recommendations	0	0	2	0	2
AF	9.3.3	<b>Organic Fertilizer or Organic Pesticide / Organic Fertilizer and Organic Pesticide</b>	0	0	1/2	0	0
AF	9.3.4	<b>Low Water-Use Plants:</b> Drought tolerant - 45%/90%	0	0	0	0	1/2
AF	9.3.5	<b>Seeded Lawn:</b> Low-water use mixes	0	0	0	0	2
<input type="checkbox"/>	9.3.6	<b>Limited Lawn/Turf:</b> 25%-1% / 0% of landscape covered by turf	0	0	0	0	1/2
<input type="checkbox"/>	9.3.7	<b>One Tree per 1000 sq. ft. of Developed Landscape Area</b>	0	0	1	0	0
AF	9.3.8	<b>Install On-Site Storage for Rainwater:</b> Used for landscaping	0	0	1	0	2
<b>10 Solar Measures</b>							
<b>10.1 Solar Thermal and Photovoltaic</b>							
<input type="checkbox"/>	10.1.1	<b>Sun Tempered Design:</b> South windows 7% of floor area	Model	1	0	0	0
<input type="checkbox"/>	10.1.2	<b>Passive Solar Design:</b> South windows 10% of floor area	Model	1	0	0	0
<input type="checkbox"/>	10.1.3	<b>Photovoltaic (solar cells):</b> 3 pts./kilowatt	Drop down	0	0	0	0
<input type="checkbox"/>	10.1.4	<b>Photovoltaic:</b> Pre-wired photovoltaic for future hookup	0	0	0	1	0
<input type="checkbox"/>	10.1.5	<b>Solar Hot Water System</b>	5	0	0	0	0
<input type="checkbox"/>	10.1.6	<b>Solar Hot Water:</b> Pre-plumbed piping for future hookup	0	0	0	2	0
<b>11 Earth Advantage Bonus and Innovative New Measures</b>							
<b>11.1 Innovative new measures and points determined by Earth Advantage staff analysis</b>							
<input type="checkbox"/>	11.1.1	<b>Energy Modeling:</b> Use of HERS energy scoring system	Model	0	0	0	0
<input type="checkbox"/>	11.1.2	<b>High Performance Home:</b> Meets ODOE specs.	11	0	0	0	0
<input type="checkbox"/>	11.1.3	<b>Green Team:</b> Owner, designer, general, EA team member and subs (framing, electrical, HVAC, insulation, plumbing) project meeting / Realtor or Sales Agent	0/1	0/1	1	1	1
AF	11.1.4	<b>Certified Master Builder / Certified Sustainable Homes Professional</b>	0	1	0	1	0
AF	11.1.5	<b>Homeowner Manual:</b> Earth Advantage information included	1	1	0	1	1
AF	11.1.6	<b>Green Cleaning Products and Methods:</b> Green Guard Certified products used on project during construction and prep cleanup	0	2	0	0	0
<input type="checkbox"/>	11.1.7	<b>Utility Time of Use Program</b>	1	0	1	0	0
AF	11.1.8	<b>Green Power:</b> Builder utilizes local utility green power options for own office operations (<50%/51-100%)	0	0	1/2	0	0
AF	11.1.9	<b>Green Power:</b> Builder utilizes local utility green power options during construction of home	0	0	1	0	0
AF	11.1.10	<b>Builder Purchases Green Tags and Presents to New Home Buyer</b>	0	0	2	0	0
<b>Page 5 Points</b>							

			Energy	Health	Land	Materials	Water
<b>11.1 Innovative new measures and points determined by Earth Advantage staff analysis</b>							
<input type="checkbox"/>	11.1.11	<b>Alternative Construction System:</b> Points determined by analysis					
<input type="checkbox"/>	11.1.12	<b>Alternative Heating/Cooling System:</b> Points by analysis					
<input type="checkbox"/>	11.1.13	<b>Cradle-to-Cradle Certification:</b> Minimum Silver certification up to four products	0	0	1-4	1-4	0
<input type="checkbox"/>	11.1.14	<b>Innovative New Measure:</b> Propose a measure					
<input type="checkbox"/>	11.1.15	<b>Innovative New Measure:</b> Propose a measure					
<input type="checkbox"/>	11.1.16	<b>Earth Advantage Carbon Reduction Program</b>	0	0	0	0	0
<b>Page 6 Points</b>							
<b>Page 1-6 Totals</b>							

	Energy	Health	Land	Materials	Water
<b>Total Points Required for all Resource Categories</b>	90				
<b>Minimum Points Required in each Resource Category</b>	ES	25	15	25	15
<b>Enter Page 1-6 Worksheet Points by Category</b>					
<b>Enter Total Earth Advantage Worksheet Points</b>					

**If measure description is shaded, then it is a Required Measure**

**M = Modeling**

**AF = Accountability Form**

**EA = Earth Advantage**

**ES = Energy Star Homes Measure**

**Points required for advanced certification:**

**Silver = 90**

**Gold standard = 120**

**Platinum standard = 140**