

# Earth Advantage Homes® Points Worksheet

House Sq Ft:	1149	Builder:	OR DEQ LCA Study Team
Volume:		Project/Addr:	Green Certified Home, OR
Window Area:		Date:	BOS:
Project Electric Utility:		Start Date:	Anticipated Completion Date:
Gas Utility:		ψ First Inspection Date:	€ Final Inspection Date
Type of certification:	E/A & E-Star	£ Revisit Inspection Date:	Envelope Trade-off



## 1. SITE PLANNING

### 1.1 Site Protection

AF1	1.1.1	Access to Public Transit – 1/2 mile						
AF1	1.1.2	Access to Household Services – Min. 6 within 1/2 mile						
AF1	1.1.3	Develop, Post and Implement Erosion Control Site Plan						
AF1	1.1.4	Existing Trees: Number of trees 4" caliper or larger saved						
□	1.1.5	Stormwater Control: Bio-retention system onsite – 100% of lot / development						
AF1	1.1.6	Onsite Infiltration System: For roof drains						
□	1.1.7	Compostable Erosion Control Amendment: 2" minimum spread over all exposed soil at the beginning of construction cycle						
□	1.1.8	Buffer along Natural Features						
□	1.1.9	Protect Non-grading Areas						
□	1.1.10	Pervious Surface: Percentage of hardscape - 25-50% / >51%						

### 1.2 Land Use

□	1.2.1	Infill Lot: Build home on open lot in existing neighborhood						
AF1	1.2.2	Lot Size: 1/10 <sup>th</sup> acre / 1/15 <sup>th</sup> / 1/24 <sup>th</sup> acre lot of developable land						
□	1.2.3	House Size: No larger than 2000/1500/1000/750 sq ft.	1500		Model	0	2	2
AF1	1.2.4	Build on Greyfield or Brownfield Site						
□	1.2.5	Mixed Use Building						

## 2. Waste Management

### 2.1 Waste Management

AF1	2.1.1	Develop and Implement Waste Management Reduction Plan	Yes		0	0	1	2	0
AF1	2.1.2	Recycle 100% of Wood & Cardboard	Yes		0	0	2	0	0

AF1	2.1.3	Recycle jobsite waste: Recycle 100% of Metal and/or Drywall and/or shrinkwrap and plastic (1 pt per material)	1		0	0	1	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							
AF1	3.1.2	<b>Weather Barrier:</b> Installed properly	Yes		0	0	0	1	0
AF1	3.1.3	<b>Window/Door Flashing System:</b> Sill pans and/or flexible flashing	Yes		0	0	0	2	0
AF1	3.1.4	<b>Rainscreen Wall System:</b> Airspace under masonry siding	Yes		0	0	0	1	0
AF1	3.1.5	<b>Rainscreen Wall System:</b> Airspace under siding (whole house)							
<input type="checkbox"/>	3.1.6	<b>Low-Point Drain:</b> Crawl space or basement	Yes		0	0	0	1	0
<b>3.2 Foundation Systems ENERGY STAR® Homes starred 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							
AF1	3.2.2	<b>Slab Insulation:</b> Slab fully insulated (R10)							
<input type="checkbox"/>	3.2.3	<b>Slab on Grade</b>							
<input type="checkbox"/>	3.2.4	<b>Unvented Conditioned Crawlspace:</b> Insulated walls w/rat slab							
<b>3.3 Wall Framing and Insulation</b>									
<input type="checkbox"/>	3.3.1	<b>Intermediate Framing Techniques:</b> Insulated corners & Headers	Yes		ES	0	0	1	0
<input type="checkbox"/>	3.3.2	<b>Advanced Framing Techniques</b>							
<input type="checkbox"/>	3.3.3	<b>Engineered Wood Studs</b>							
<input type="checkbox"/>	3.3.4	<b>Foam Exterior Insulation:</b> (R2.5 / R5)							
<input type="checkbox"/>	3.3.5	<b>Spray-in-Place Foam Insulation:</b> Low density/High density							
<input type="checkbox"/>	3.3.6	<b>Structural Insulated Panel System (SIPS):</b> Expanded Polystyrene							
AF1	3.3.7	<b>Panelized Wall Systems</b>							
<input type="checkbox"/>	3.3.8	<b>Insulated Concrete Forms System (ICF):</b> Foam / Recycled							
<b>3.4 Attic Framing and Insulation</b>									
<input type="checkbox"/>	3.4.1	<b>Ceiling Insulation:</b> R49 (R38 in vaults)	Yes		ES	0	0	0	0
<input type="checkbox"/>	3.4.2	<b>Structural Insulated Panels:</b> R49 Flat / R38 vault							
<input type="checkbox"/>	3.4.3	<b>Extended Eaves:</b> Minimum extension – 24" from vertical	Yes		Model	0	0	2	0
<input type="checkbox"/>	3.4.4	<b>Unvented Cond. Attic Space:</b> With no thermal bridge through roof							
<input type="checkbox"/>	3.4.5	<b>Energy or Raised Heel Truss</b>							
<b>3.5 Floor Framing and Insulation</b>									
<input type="checkbox"/>	3.5.1	<b>Floor Insulation:</b> R38	Yes		ES	0	0	0	0
<input type="checkbox"/>	3.5.2	<b>Decking System:</b> T/G Engineered decking	Yes		0	1	0	1	0
<input type="checkbox"/>	3.5.3	<b>Flooring Support System:</b> I-Joist system used in house	Yes		0	0	0	1	0
<input type="checkbox"/>	3.5.4	<b>Flooring Support System:</b> Open-web joist system used in house							
<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%)							
AF1	3.6.2	<b>Recycled Content:</b> Composite or Metal (50% Post-consumer)	Yes		0	0	1	3	0
<input type="checkbox"/>	3.6.3	<b>Tile:</b> Concrete or Clay							
AF1	3.6.4	<b>Composition:</b> 40 year or greater warranty							
AF1	3.6.5	<b>ENERGY STAR Reflective roof product or radiant barrier</b>							

<b>3.7 Exterior Materials Selected siding systems require properly installed weather barrier</b>									
AF1	3.7.1	<b>FSC Certified Wood:</b> Siding materials (1-25%/26-50%/51-75%/76-100%)							
AF1	3.7.2	<b>Reclaimed/Recycled Siding:</b> (5-25%/26-50%/51-75%/76-100%)							
	3.7.3	<b>Fiber Cement:</b> 50-yr. warranty (1/50%/51-100%)	51-100%		0	0	0	2	0
	3.7.4	<b>Exterior Surface not Painted:</b> Masonry or other durable surface (25-51%/51-75%/76-100%)							
AF1	3.7.5	<b>Outdoor Decking:</b> Plastic lumber deck top (50% post-consumer)							
	3.7.6	<b>Outdoor Patio:</b> Concrete or pavers							
<b>3.8 Exterior Coatings</b>									
	3.8.1	<b>Exterior Paint:</b> Low VOC (150/gpl or lower) / Lifetime warranty	150/gpl or lower		0	1	0	0	0
	3.8.2	<b>Exterior Stain:</b> Low VOC (150/gpl or less)							
	3.8.3	<b>Green Seal Certified Paint:</b> Additional points to paint measures							
	3.8.4	<b>Exterior Paint:</b> Recycled content (min. 50% post-consumer)							
<b>3.9 Windows</b> (U-value of 0.32 or better – weighted average value is allowed. Note: Window area can be up to 21% of the Heated Floor Area)									
	3.9.1	<b>Window Efficiency:</b> U-0.32	Yes		ES	0	0	0	0
	3.9.2	<b>Window Framing Material:</b> Composite or wood with clad exterior							
AF1	3.9.3	<b>Window Framing Material:</b> Frame is FSC Certified material							
<b>3.10 Skylight /Solar Tube</b>									
	3.10.1	<b>Skylight:</b> Insulated shaft							
<b>3.11 Shell Resource Efficient Measures</b>									
	3.11.1	<b>Exterior Doors:</b> Steel and/or Fiberglass (R5 min) (28 ft <sup>2</sup> exempt)	Yes		ES	0	0	1	0
AF1	3.11.2	<b>Recycled Content Insulation:</b> Cellulose, Cotton or Fiberglass (25% - 50% / 51% and greater – Post-consumer)	51% and greater-Post consumer		0	0	1	2	0
	3.11.3	<b>Blown-in Wall Insulation System:</b> Fiberglass or Cellulose	Yes		Model	0	0	1	0
	3.11.4	<b>Green Guard Certified Insulation</b>							
AF1	3.11.5	<b>Concrete with Fly Ash or Slag:</b> (15% - 24% mix / 25% or greater)	15%-24% mix		0	0	1	1	0
AF1	3.11.6	<b>FSC Certified Wood: All framing materials (5-25%/26-50%/51-75%/76-100%)</b>							
AF1	3.11.7	<b>Reclaimed/Recycled Structural Lumber</b> (5-25%/26-50%/51-75%/76-100%)							
<b>4 Heating and Cooling systems: All combustion systems within the thermal envelope must have their own fres</b>									
<b>4.1 Fireplace Un-vented fireplace not allowed</b>									
EA	4.1.1	<b>Gas Fireplace/Heater:</b> Sealed combustion w/electronic ignition	Yes		2	1	0	0	0
AF1	4.1.2	<b>Gas Heater for Primary Heat Source:</b> ENERGY STAR reqs.							
	4.1.3	<b>Electric Flame Fireplace</b>							
	4.1.4	<b>No Fireplace or Wood Burning Stove Installed in Home</b>							
<b>4.2 High Efficiency Heating/Cooling Equipment</b> (Combustion space heating equipment within the conditioned space must be direct vent or sealed combustion)									
AF2	4.2.1	<b>Design Heating/Cooling Loads Using Appropriate Industry Guidelines:</b> Manual J and Manual S or equivalent	Yes		0	1	0	1	0
	4.2.2	<b>Forced Air Gas:</b> Min. 90% AFUE furnace							
	4.2.3	<b>Heat Pump:</b> Split System – min. HSPF 8.5 & SEER 13+							
	4.2.4	<b>Ductless Heat Pump System:</b> Min. HSPF 7.7 & SEER 13+							
	4.2.5	<b>Heat Pump:</b> Geothermal, Groundwater, or Water Source							
	4.2.6	<b>Heat Pump Commissioning:</b> Documentation required							

<input type="checkbox"/>	4.2.7	<b>Integrated Space/Water Heating System:</b> Turbonic/Hydronic							
<input type="checkbox"/>	4.2.8	<b>Alternate Cooling System:</b> No capacity to use refrigerants	Yes		0	0	0	1	0
<b>4.3 Ductwork: Max leak &lt;.06 CFM per ft2 of floor OR 75 CFM total @ 50 pa and all ducts sealed with water</b>									
AF2	4.3.1	<b>Design Duct System Using Appropriate Industry Guidelines:</b> Manual D or equivalent							
<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							
<input type="checkbox"/>	4.3.3	<b>Zonal Pressure Relief</b>							
<input type="checkbox"/>	4.3.4	<b>Ductwork and Air Handling Equipment in Heated Space</b>							
<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	Yes		0	1	0	1	0
AF1	4.4.2	<b>House Dry-out:</b> No central heating system or propane used	Yes		0	1	0	2	0
<input type="checkbox"/>	4.4.3	<b>Hard Ducting:</b> All ducting is metal							
<input type="checkbox"/>	4.4.4	<b>Pre-fabricated Sealed Boot</b>							
<input type="checkbox"/>	4.4.5	<b>Forced Air Zoning System</b>							
<input type="checkbox"/>	4.4.6	<b>Non-ducted System</b>	Yes		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	Yes		ES	3	0	0	0
<input type="checkbox"/>	5.1.2	<b>Thermal Bypass Checklist:</b> ENERGY STAR National Checklist	Yes		Model	1	0	1	0
<b>5.2 Whole-House Ventilation Must choose one of the following</b>									
<input type="checkbox"/>	5.2.1	<b>Exhaust Only:</b> Non-ducted heating system only	Yes		ES	1	0	1	0
AF2	5.2.2	<b>Supply Only:</b> Forced air ducted systems							
AF2	5.2.3	<b>Balanced System:</b> Exhaust and supply balanced							
<input type="checkbox"/>	5.2.4	<b>Premium Package:</b> HRV/ERV systems							
<b>6 LIGHTING, APPLIANCES &amp; 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	Yes		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	Yes		1	0	0	0	0
<input type="checkbox"/>	6.1.3	<b>Insulated Ceiling is Free of Recessed Lights</b>	Yes		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.							
<b>6.2 Appliances (ENERGY STAR requires that all built-in appliances must be ENERGY STAR rated and labeled)</b>									
<input type="checkbox"/>	6.2.1	<b>Dishwasher:</b> ENERGY STAR spec	Yes		ES	0	0	0	1
<input type="checkbox"/>	6.2.2	<b>Clothes Washer:</b> ENERGY STAR spec	Yes		1	0	0	0	2
<input type="checkbox"/>	6.2.3	<b>Refrigerator:</b> ENERGY STAR spec	Yes		1	0	0	0	0
<b>6.3 Water Heating: All combustions systems within the thermal envelope must have their own combustion air supply</b>									
<input type="checkbox"/>	6.3.1	<b>Gas High Efficiency:</b> <60 gal. - .62 EF, >61 gal. see app. list	Yes		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 - .92 EF							
<input type="checkbox"/>	6.3.3	<b>Tankless Gas:</b> >= 0.82 EF							
<input type="checkbox"/>	6.3.4	<b>Insulation on all Hot Water Piping:</b> R4 min.							
<input type="checkbox"/>	6.3.5	<b>Direct or Power Vented Water Heater:</b> If in conditioned space	Yes		Model	1	0	0	0

## 7 Indoor Air Quality

### 7.1 Project Wide Air Quality Measures

<input type="checkbox"/>	7.1.1	<b>Combustion Air Zone Safety:</b> Test req. or combustion within shell	Yes		ES	1	0	0	0
<input type="checkbox"/>	7.1.2	<b>Third-Party Framing Lumber Moisture Test:</b> 19% or lower	Yes		0	2	0	1	0
<input type="checkbox"/>	7.1.3	<b>Air Filter:</b> MERV 8 - 12 / 13 or higher							
<input type="checkbox"/>	7.1.4	<b>Hardwired CO Monitor:</b>							
<input type="checkbox"/>	7.1.5	<b>Bath Fans:</b> Fans in full baths meet ENERGY STAR requirements	Yes		ES	1	0	1	0
<input type="checkbox"/>	7.1.6	<b>Bath Fan Controls:</b> All Controls - Occupancy/Timer/Humidistat	Yes		0	1	0	1	0
<input type="checkbox"/>	7.1.7	<b>Bath Fan Air Flow Test:</b> Meet ASHRAE 62.2 req.	Yes		0	2	0	1	0
AF1	7.1.8	<b>Low VOC Sealants/Caulking:</b> <50 VOC	Yes		0	1	0	0	0
AF1	7.1.9	<b>Low VOC Construction Adhesives:</b> <70 VOC	Yes		0	1	0	0	0
<input type="checkbox"/>	7.1.10	<b>Humidity Control System:</b> Permanently installed							
<input type="checkbox"/>	7.1.11	<b>Central Vacuum:</b> Provide rough-in for future use only							
<input type="checkbox"/>	7.1.12	<b>Central Vacuum:</b> Install and vent to exterior of conditioned space							
<input type="checkbox"/>	7.1.13	<b>Exhaust Fan for Attached Garage</b>							
<input type="checkbox"/>	7.1.14	<b>House has Detached or No Garage</b>							

### 7.2 Interior Surface Coatings

EA	7.2.1	<b>Wall &amp; Ceiling Latex Paint:</b> Low VOC (150 – 50/<50 grams per liter)	<50 grams per liter		0	2	0	0	0
<input type="checkbox"/>	7.2.2	<b>Green Seal Certified Paint:</b> Additional point to 7.2.1 measure							
<input type="checkbox"/>	7.2.3	<b>Interior Surface:</b> Requires No Paint							
<input type="checkbox"/>	7.2.4	<b>Trim Paint:</b> Low VOC (150 grams per liter or less)	Yes		0	1	0	0	0
AF1	7.2.5	<b>Clear Wood Finish:</b> Low VOC (550/350 grams per liter or less)							
AF1	7.2.6	<b>Wood Floor Finish:</b> Low VOC (150 grams per liter or less)	Yes		0	1	0	0	0
<input type="checkbox"/>	7.2.7	<b>Recycled Content Paint</b>							

## 8 Resource Efficient Building Materials

### 8.1 Locally Sourced Materials

AF1	8.1.1	<b>Local Materials:</b> Within 500 miles - 1 point each - up to 4 items	3		0	0	3	0	0
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### 8.2 Cabinets / Countertops

AF1	8.2.1	<b>FSC Certified Wood/Reclaimed Wood:</b> Face frame and door							
AF1	8.2.2	<b>Plywood/Ag-Fiber:</b> Base cabinet (formaldehyde-free)							
AF1	8.2.3	<b>Urea-Formaldehyde Free:</b> Shelves or cabinets/shelves and cabinets	Shelves and Cabinets		0	2	0	0	0
AF1	8.2.4	<b>Recycled Content Countertop:</b> 25% Post-consumer content	Yes		0	0	1	1	0
<input type="checkbox"/>	8.2.5	<b>Built-in Recycling Center:</b> Minimum 2 major receptacles	Yes		0	0	1	0	0

### 8.3 Millwork and Interior Trim

AF1	8.3.1	<b>FSC Certified Wood / Reclaimed Wood</b>	Reclaimed Wood		0	0	2	1	0
AF1	8.3.2	<b>Engineered Wood:</b> MDF or finger-jointed							

AF1	8.3.3	Urea-Formaldehyde Free Trim Material							
<b>8.4 Finished Flooring</b>									
AF1	8.4.1	FSC Certified Wood / Reclaimed Wood	Reclaimed Wood		0	0	3	1	0
<input type="checkbox"/>	8.4.2	Hard Surface: Finished floor (25-50% / 51-75% / 76-100%)	76-100%		0	3	0	3	0
<input type="checkbox"/>	8.4.3	Alternative Flooring: Finished slab on grade or other	Yes		0	0	0	1	0
AF1	8.4.4	Carpet: Natural fiber – wall-to-wall (wool and others)							
AF1	8.4.5	Carpet: Post-consumer recycled content (20-50% / 51%-100%)							
AF1	8.4.6	Carpet: Carpet & Rug Institute (CRI) Green Label/Green Label Plus – Additional points							
AF1	8.4.7	Carpet Pad: Carpet Rug Institute Green Label/Green Label Plus							
AF1	8.4.8	Urea Formaldehyde-free Underlayment OSB, MDF Exterior grade plywood	Yes		0	2	0	0	0
<input type="checkbox"/>	8.4.9	Renewable Materials: Linoleum, Cork or Bamboo 5-20%/21-100%	5-20%		0	0	0	1	0

## 9 Water Efficiency and Landscaping

### 9.1 Indoor Water

<input type="checkbox"/>	9.1.1	Whole-House Pressure Regulating Valve	Yes		0	0	1	0	1
<input type="checkbox"/>	9.1.2	Efficient Showerhead: <=2 gpm or Water Sense label – one showerhead per stall	Yes		1	0	0	0	2
<input type="checkbox"/>	9.1.3	Efficient Lavatory Faucet: 1.5/0.5 gpm or less or Water Sense label	1.5 gpm		1	0	0	0	1
<input type="checkbox"/>	9.1.4	Efficient Kitchen Faucet: 1.5 gpm or less	Yes		1	0	0	0	1
<input type="checkbox"/>	9.1.5	Refrigerator: Through the door water and ice unit							
<input type="checkbox"/>	9.1.6	High-Efficiency Toilet WaterSense qualified toilet-1.28 gpf	Yes		0	0	0	0	3
<input type="checkbox"/>	9.1.7	Whole-House On-Demand Hot Water Delivery System							
<input type="checkbox"/>	9.1.8	Hot Water Piping Runs 20 feet one story - 10 feet each additional floor	Yes		0	0	0	1	2
<input type="checkbox"/>	9.1.9	Home Run Plumbing Distribution System: Plumbing manifold and PEX piping							
<input type="checkbox"/>	9.1.10	Rainwater Collected: For non-potable indoor water use							

### 9.2 Irrigation

AF3	9.2.1	Pressure Regulating Valves/Sprinkler Heads							
AF3	9.2.2	Low-Volume Irrigation System							
AF3	9.2.3	Hydro Zoning: Grouping of plants and lawn for watering							
AF3	9.2.4	Irrigation Controller: Water saving features							
AF3	9.2.5	Weather Based Irrigation Controller							
AF3	9.2.6	No Permanent Irrigation Installed: All landscaping							

### 9.3 Landscaping

AF3	9.3.1	Organic Matter: Added to soil - 2" tilled to 6-8" depth							
AF3	9.3.2	Test Soil: Implement Recommendations							
AF3	9.3.3	Organic (non synthetic) Fertilizer and/or Pesticide							
AF3	9.3.4	Low Water-Use Plants: Drought tolerant - 45%/90%							
AF3	9.3.5	Seeded Lawn: Low-water use mixes							
<input type="checkbox"/>	9.3.6	Limited Lawn/Turf: 25%-1% / 0% of landscape covered by turf							
<input type="checkbox"/>	9.3.7	One Tree per 1000 sq. ft. of Developed Landscape Area							
AF3	9.3.8	Install On-Site Storage for Rainwater: Used for landscaping							

## 10 Solar Measures

### 10.1 Solar Thermal and Photovoltaic

<input type="checkbox"/>	10.1.1	Sun Tempered Design: South windows 7% of floor area	Yes		Model	1	0	0	0
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<input type="checkbox"/>	10.1.2	<b>Passive Solar Design:</b> South windows 10% of floor area						
VPE	10.1.3	<b>Photovoltaic (solar electric system):</b> 3 pts./ kilowatt						
<input type="checkbox"/>	10.1.4	<b>Photovoltaic:</b> Pre-wired photovoltaic for future hookup						
<input type="checkbox"/>	10.1.5	<b>Solar Hot Water System</b>	Yes		6	0	0	0
<input type="checkbox"/>	10.1.6	<b>Solar Hot Water:</b> Pre-plumbed piping for future hookup						
<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>								
VPE	11.1.1	<b>Energy Modeling:</b> Use of HERS energy scoring system	Yes		0	0	0	0
<input type="checkbox"/>	11.1.2	<b>High Performance Home:</b> Meets ODOE specs.	Yes		12	0	0	0
<input type="checkbox"/>	11.1.3	<b>Green Team Meeting / Includes EA STAR Realtor</b>						
AF1	11.1.4	<b>Certified Master Home Builder:</b> Builder certified						
AF1	11.1.5	<b>Homeowner Manual:</b> Earth Advantage information included						
AF1	11.1.6	<b>Green Cleaning Products and Methods:</b> Green Guard Certified products used on project during construction cleanup						
<input type="checkbox"/>	11.1.7	<b>Utility Time of Use Program</b>						
AF1	11.1.8	<b>Green Power:</b> Builder utilizes local utility green power options for own office operations (<50%/51-100%)						
AF1	11.1.9	<b>Green Power:</b> Builder utilizes local utility green power options during construction of home						
AF1	11.1.10	<b>Builder Purchases Green Tags and Presents to New Home Buyer</b>						
VPE	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						
AF1	11.1.13	<b>Cradle-to-Cradle Certification:</b> Minimum Silver certification up to four products						
VPE	11.1.14	<b>Innovative New Measure:</b> Graywater	Yes		0	0	0	6
VPE	11.1.15	<b>Innovative New Measure:</b> Propose a measure						
VPE	11.1.16	<b>Earth Advantage Carbon Reduction Program</b>						

<b>Page 1-6 Totals</b>
Possible Totals by "m" column
<b>Total Points Required for all Resource Categories</b>
<b>Minimum Points Required in all Resource Categories</b>
<b>Page 1-6 Worksheet Points by Category</b>
<b>Total Earth Advantage Worksheet Points</b>
<b>This project qualifies for E/A</b>
<b>Verified Measures</b>
<b>Total Verified Points</b>
<b>Verified Level</b>

NWES	27	37	20	45	19
	0	0	0	0	0
<b>Energy</b>	<b>Health</b>	<b>Land</b>	<b>Materi</b>	<b>Water</b>	<b>als</b>
90					
NWES	25	15	25	15	
27	37	20	45	19	
148					
Platinum					
0	0	0	0	0	
0					
Does not qualify					

"The Premier Source for Sustainable Building Solutions



for Homes

# LEED for Homes Project Checklist

Builder Name:	OR DEQ LCA Study Team
Project Team Leader:	
Home Address (Street/City/State):	, , Oregon

## Project Description

Building Type: **Single detached**  
 # of Bedrooms: **3**

Project type: **Custom**  
 Floor Area: **1,149**

## Adjusted Certification Thresholds

Certified: **35.0**      Gold: **65.0**  
 Silver: **50.0**      Platinum: **80.0**

<b>Project Point Total</b>		<b>Final Credit Category Point Totals</b>			
Prelim: 43 + 0 maybe pts	Final: 43	ID: 0	SS: 0	EA: 20	EQ: 10
<b>Certification Level</b>		LL: 0	WE: 5	MR: 8	AE: 0
Prelim: <b>Certified</b>	Final: <b>Not Certified</b>	Min. Point Thresholds Not Met for Prelim. OR Final Rating			
Date Most Recently Updated:		Updated by:			

*Indicates that an Accountability Form is required.*

	Max Pts. Available	Preliminary Rating Y / Pts	Maybe	No	Notes	Project Points Final
<b>Innovation &amp; Design Process (ID)</b> (Minimum 0 ID Points Required)	<b>Max: 11</b>	<b>Y:0</b>	<b>M:0</b>			<b>Final: 0</b>
<b>1. Integrated Project Planning</b>						
1.1 Preliminary Rating		Prereq.				
Target performance tier:		<b>Platinum</b>				
1.2 Integrated Project Team (meet all of the following)	1	0	0			0
<input type="checkbox"/> a) Individuals or organizations with necessary capabilities		<input type="checkbox"/> c) Regular meetings held with project team				
<input type="checkbox"/> b) All team members involved in various project phases						
1.3 Professional Credentialed with Respect to LEED for Homes	1	0	0		please see ID 01-06 for details	0
1.4 Design Charrette	1	0	0			0
1.5 Building Orientation for Solar Design (meet all of the following)	1	0	0			0
<input type="checkbox"/> a) Glazing area on north/south walls 50% greater than on east/west walls		<input type="checkbox"/> c) At least 450 sq. ft. of south-facing roof area, oriented for solar applications				
<input type="checkbox"/> b) East-west axis is within 15 degrees of due east-west		<input type="checkbox"/> d) 90% of south-facing glazing is shaded in summer, unshaded in winter				
<b>2. Quality Management for Durability</b>						
2.1 Durability Planning (meet all of the following)		Prereq.				
<input checked="" type="checkbox"/> a) Durability evaluation completed		<input checked="" type="checkbox"/> d) Durability strategies incorporated into project documentation				
<input checked="" type="checkbox"/> b) Strategies developed to address durability issues		<input checked="" type="checkbox"/> e) Durability measures listed in durability inspection checklist				
<input checked="" type="checkbox"/> c) Moisture control measures from Table 1 incorporated						
2.2 Durability Management (meet one of the following)		Prereq.				
<input type="checkbox"/> Builder has a quality management process in place		<input type="checkbox"/> Builder conducted inspection using durability inspection checklist				
2.3 Third-Party Durability Management Verification	3	0	0			0

<b>3. Innovative or Regional Design</b>							
3.1	≤ Innovation 1 (ruling #):	<input type="text"/>	1	0	0	0	
3.2	≤ Innovation 2 (ruling #):	<input type="text"/>	1	0	0	0	
3.3	≤ Innovation 3 (ruling #):	<input type="text"/>	1	0	0	0	
3.4	≤ Innovation 4 (ruling #):	<input type="text"/>	1	0	0	0	
<b>Location &amp; Linkages (LL)</b> (Minimum 0 LL Points Required)			<i>Max: 10</i>	<i>Y:0</i>	<i>M:0</i>	<i>Notes</i>	<i>Final: 0</i>
<b>1. LEED for Neighborhood Development</b>							
1	LEED for Neighborhood Development		10	0	0		0
<b>2. Site Selection</b>							
2	≤ Site Selection ( <i>meet all of the following</i> )		2	0	0		0
	<input type="checkbox"/>	a) Built above 100-year floodplain defined by FEMA				<input type="checkbox"/>	d) Not built on land that was public parkland prior to acquisition
	<input type="checkbox"/>	b) Not built on habitat for threatened or endangered species				<input type="checkbox"/>	e) Not built on land with prime soils, unique soils, or soils of state significance
	<input type="checkbox"/>	c) Not built within 100 ft of water, including wetlands					
<b>3. Preferred Locations</b>							
3.1	Edge Development		1	0	0		0
OR	3.2	Infill	2	0	0		0
AND/OR	3.3	Previously Developed	1	0	0		0
<b>4. Infrastructure</b>							
4	Existing Infrastructure		1	0	0		0
<b>5. Community Resources / Transit</b>							
5.1	Basic Community Resources / Transit ( <i>meet one of the following</i> )		1	0	0		0
	<input type="checkbox"/>	a) Within 1/4 mile of 4 basic community resources				<input type="checkbox"/>	c) Within 1/2 mile of transit services providing 30 rides per weekday
	<input type="checkbox"/>	b) Within 1/2 mile of 7 basic community resources					
OR	5.2	Extensive Community Resources / Transit ( <i>meet one of the following</i> )	2	0	0		0
	<input type="checkbox"/>	a) Within 1/4 mile of 7 basic community resources				<input type="checkbox"/>	c) Within 1/2 mile of transit services providing 60 rides per weekday
	<input type="checkbox"/>	b) Within 1/2 mile of 11 basic community resources					
OR	5.3	Outstanding Community Resources / Transit ( <i>meet one of the following</i> )	3	0	0		0
	<input type="checkbox"/>	a) Within 1/4 mile of 11 basic community resources				<input type="checkbox"/>	c) Within 1/2 mile of transit services providing 125 rides per weekday
	<input type="checkbox"/>	b) Within 1/2 mile of 14 basic community resources					
<b>6. Access to Open Space</b>							
6	Access to Open Space		1	0	0		0

Sustainable Sites (SS) (Minimum 5 SS Points Required)		Max: 22	Y:0	M:0	Notes	Final: 0
<b>1. Site Stewardship</b>						
1.1	Erosion Controls During Construction <i>(meet all of the following)</i>				<i>Prereq.</i>	
	<input checked="" type="checkbox"/> a) Stockpile and protect disturbed topsoil from erosion.				<input checked="" type="checkbox"/> d) Provide swales to divert surface water from hillsides	
	<input checked="" type="checkbox"/> b) Control the path and velocity of runoff with silt fencing or equivalent.				<input checked="" type="checkbox"/> e) Use tiers, erosion blankets, compost blankets, etc. on sloped areas.	
	<input checked="" type="checkbox"/> c) Protect sewer inlets, streams, and lakes with straw bales, silt fencing, etc.					
1.2	Minimize Disturbed Area of Site <i>(meet the appropriate requirements)</i>	1	0	0		0
	Where the site is not previously developed, meet all the following:					
	<input type="checkbox"/> a) Develop tree / plant preservation plan with "no-disturbance" zones					
	<input type="checkbox"/> b) Leave 40% of buildable lot area, not including area under roof, undisturbed					
	OR Where the site is previously developed, meet all the following:					
	<input type="checkbox"/> c) Develop tree / plant preservation plan with "no-disturbance" zones AND					
	<input type="checkbox"/> Rehabilitate lot; undo soil compaction and remove invasive plants AND					
	<input type="checkbox"/> Meet the requirements of SS 2.2					
	OR <input type="checkbox"/> d) Build on a lot of 1/7 acre or less, or 7 units per acre.					
<b>2. Landscaping</b>						
2.1	<del>2.1</del> No Invasive Plants				<i>Prereq.</i>	
2.2	<del>2.2</del> Basic Landscaping Design <i>(meet all of the following)</i>	2	0	0		0
	<input type="checkbox"/> a) Any turf must be drought-tolerant.				<input type="checkbox"/> d) Add mulch or soil amendments as appropriate.	
	<input type="checkbox"/> b) Do not use turf in densely shaded areas.				<input type="checkbox"/> e) All compacted soil must be tilled to at least 6 inches.	
	<input type="checkbox"/> c) Do not use turf in areas with slope of 25%					
AND/OR	2.3 <del>2.3</del> Limit Conventional Turf	3	0	0		0
	<input type="text"/> Percentage of designed landscape softscape area that is turf					
AND/OR	2.4 <del>2.4</del> Drought-Tolerant Plants	2	0	0		0
	<input type="text"/> Percentage of installed plants that are drought-tolerant					
OR	2.5 <del>2.5</del> Reduce Overall Irrigation Demand by at Least 20%	6	0	0		0
	<input type="text"/> Percentage reduction in estimated irrigation water demand				<a href="#">(calculate)</a>	
<b>3. Reduce Local Heat Island Effects</b>						
3	<del>3</del> Reduce Local Heat Island Effects <i>(meet one of the following)</i>	1	0	0		0
	<input type="checkbox"/> a) Locate trees / plantings to provide shade for 50% of hardscapes				<input type="checkbox"/> b) Install light-colored, high-albedo materials for 50% of hardscapes	

4. Surface Water Management						
4.1 <input type="checkbox"/> Permeable Lot		4	0	0	0	
<input type="checkbox"/> vegetative landscape						
<input type="checkbox"/> permeable paving						
<input type="checkbox"/> impermeable surfaces directed to infiltration features						
<input type="checkbox"/> other impermeable surfaces (areas not counted towards credit)						
4.2 Permanent Erosion Controls ( <i>meet one of the following</i> )		1	0	0	0	
<input type="checkbox"/> a) For portions of lot on steep slope, use terracing and retaining walls						
<input type="checkbox"/> b) Plant trees, shrubs, or groundcover						
4.3 <input type="checkbox"/> Management of Runoff from Roof ( <i>meet any, see Rating System for pts</i> )		2	0	0	0	
<input type="checkbox"/> a) Install permanent stormwater controls to manage runoff from the home						
<input type="checkbox"/> b) Install vegetated roof to cover 50% of roof area						
<input type="checkbox"/> c) Install vegetated roof to cover 100% of roof area						
<input type="checkbox"/> d) Have lot designed by professional to manage runoff from home on-site						
5. Nontoxic Pest Control						
5 Pest Control Alternatives ( <i>meet any of the following, 1/2 pt each</i> )		2	0	0	0	
<input type="checkbox"/> a) Keep all exterior wood at least 12" above soil						
<input type="checkbox"/> b) Seal external cracks, joints, etc. with caulking and install pest-proof screens						
<input type="checkbox"/> c) Include no wood-to-concrete connections, or separate connections with dividers						
<input type="checkbox"/> d) Install landscaping so mature plants are 24" from home						
e) In 'moderate' to 'very heavy' termite risk areas:						
<input type="checkbox"/> i) Treat all cellulosic material with borate product to 3' above foundation						
<input type="checkbox"/> ii) Install sand or diatomaceous earth barrier						
<input type="checkbox"/> iii) Install steel mesh barrier termite control system						
<input type="checkbox"/> iv) Install non-toxic termite bait system						
<input type="checkbox"/> v) Use noncellulosic wall structure						
<input type="checkbox"/> vi) Use solid concrete foundation walls or pest-proof masonry wall design						
6. Compact Development						
6.1 Moderate Density		2	0	0	0	
<input type="text"/> # of total units on the lot						
<input type="text"/> lot size (acres)						
<input type="text"/> density (units/acre)		N/A				
OR	6.2 High Density	3	0	0	0	
OR	6.3 Very High Density	4	0	0	0	
Water Efficiency (WE) (Minimum 3 WE Points Required)		Max: 15	Y:5	M:0	Notes	Final: 5
1. Water Reuse						
1.1 Rainwater Harvesting System		4	0	0		0
<input type="text"/> Percentage of roof area used for harvesting						
<input type="text"/> Application						
AND/OR	1.2 Graywater Reuse System	1	1	0		1
OR	1.3 Use of Municipal Recycled Water System	3	0	0		0











