



# Project Checklist - Homebuilder

Company Name: Enter GC Name

Project Name & Address: Enter Project Name

Number	Points	Action Item	Points Earned	Submittal Comments
<b>PROGRAM CERTIFICATION REQUIREMENTS</b>				
R1	*	Meet Washington State water use efficiency standards		
R2	*	Meet applicable stormwater/site development standards		
R3	*	Meet Washington State Energy Code		
R4	*	Meet Washington State Ventilation/IAQ Code		
R5	*	Burying of construction waste is prohibited		
R6	*	Provide home owner with Built Green® operations and maintenance Tool Kit		
R7	*	Prepare Job Site Recycling Plan, waste reduction, and materials reuse plan and post on-site		
R8	*	housekeeping		
R9	*	Establish procedures for spills to prevent illegal discharges and conduct training		
R10	*	Meet local jurisdiction codes, including structural and fire safety		
R11	*	Install CO2 detector for all houses with combustion devices or attached garage		
R12	*	Meet local code requirements and regulations for stormwater management		
R13	*	Take extra care to establish and maintain a single stabilized construction entrance (quarry spall or crushed rock)		
R14	*	Program Orientation (one time only)		
R15	*	Direct stormwater at least 5ft away from building using grading and approved drain system as appropriate		
R16	*	Seal doors, windows, plumbing, and electrical penetrations against moisture and air leaks		
R17	*	Insulate hot and cold water pipes within 3 feet of the hot water heater		
R18	*	Furnish four ENERGY STAR® compact fluorescent light bulbs to owners		
R19	*	Recycle antifreeze, oil, and oil filters at appropriate outlets		
<b>1 Star REQUIREMENTS (50 POINTS)</b>				
R20	*	Meet all program certification requirements		
R21	*	Achieve 50 points from sections 2 through 5, with at least 10 points in each section		
<b>2 Star REQUIREMENTS (160 POINTS)</b>				
R22	*	Meet One-Star requirements plus point minimum		
R23	*	Achieve 160 points from sections 2 through 5 with at least 20 points in each section		
R24	*	Attend a Built Green® approved workshop within 12 months of certification		
<b>3 Star REQUIREMENTS (260 POINTS)</b>				
R25	*	Meet Two-Star requirements plus point minimum		
R26	*	Achieve 260 additional points from sections 2 through 5, with at least 25 points from each section		
Energy (3-71)	2	Install 50% of the sockets with either Energy Star CF bulbs or fixtures		
<b>4 Star REQUIREMENTS (320 POINTS)</b>				
R27	*	Meet Three-Star requirements plus point minimum		
R28	*	Achieve 320 points from sections 2 through 5 with at least 30 points from each section		
R29	*	Contractually require sub-contractors to participate in waste reduction and recycling efforts		
Built Green Team (1-3)	*	Third Party Verification (Refer to handbook for instructions on third party verification)		
Site & Water (2-9)	3	Retain a minimum of 30% of trees on site (applicable sites only)		
Site & Water (2-15)	4	Limit grading to 15ft outside building footprint. OR: for infill lots, use compost to amend soils		
Site & Water (2-17)	2	Amend disturbed soil to a depth of 10 to 12 inches to restore soil environmental functions		
Site & Water (2-36)	3	No zinc galvanized ridge caps, copper flashing, copper wires, or copper/zinc impregnated shingles for moss prevention		
Site & Water (2-50)	2	Landscape with plants appropriate for site topography and soil types, emphasizing use of plants with low watering requirements; OR Landscape with NATIVE plants appropriate for site topography and soil types, emphasizing use of plants with low watering requirements		
Energy (3-3)	10	Home is ENERGY STAR® Homes Northwest certified		
Energy (3-36)	2	Insulate any ducts located in unconditioned space to R-11		
Health & IAQ (4-32)	5	Use low- or non-VOC, and non-toxic interior paints and finishes on large surface areas, doors, windows, and trim		
Health & IAQ (4-44)	3	Install medium-efficiency pleated filter MERV 10 or high efficiency MERV 12 or better, or HEPA filter		
Health & IAQ (4-49)	3	Install hardwired CO detector(s)		
Materials (5-4)	1	Provide weather protection for stored materials		
<b>5 Star REQUIREMENTS (380 POINTS)</b>				
R30	*	Meet Four-Star requirements plus point minimum		
R31	*	Achieve 380 points from sections 2 through 5 with at least 35 points from each section		
Site & Water (2-4)	3	Restrict heavy equipment use zone to the site entry and building footprint to limit soil compaction		
Site & Water (2-5)	2	Preserve existing native vegetation as landscaping		
Site & Water (2-6)	3	Take extra precautions to protect trees during construction		
Site & Water (2-24)	5	Use pervious materials for at least one third of total area for driveways, walkways, and patios		
Site & Water (2-34)	5	Use low-toxic or non-toxic outdoor lumber for all outdoor landscaping (e.g. least-toxic treated wood)		
Site & Water (2-35)	5	No clearing or grading during winter months		
Site & Water (2-49)	1	Limit use of turf grass to 25% of landscaped area		
Site & Water (2-54)	1	For bathroom and kitchen faucets, select fixtures with GPM less than code		
Energy (3-13)	1	Fully insulate corners (requires 2-stud instead of 3-stud corners)		
Energy (3-20)	3	Use advanced wall framing—24 in OC, w/double top plate		
Energy (3-21)	3	Use NFRC certified windows with a U-value of 0.32 or better, OR: if using unlimited glazing, use .30 or better		
Energy (3-23)	3	Minimum R-26 for overall wall insulation		
Energy (3-47)	2	Install programmable thermostats with nighttime setback and switch for furnace fan		
Energy (3-50)	3	Pre-wire for future PV installation		
Energy (3-60)	2	Install a high efficiency ENERGY STAR® clothes washer		
Energy (3-72)	5	Install Energy Star fixtures to meet Energy Star Advanced Lighting Package		
Health & IAQ (4-3)	1	Use only biodegradable and non-toxic cleaners		
Health & IAQ (4-25)	3	Use urea-formaldehyde-free insulation or GreenGuard certified product		
Materials (5-25)	3	Use FSC certified wood products		
Materials (5-5)	1	Substitute products that require solvent-based cleaning methods with solvent-free or water-based methods		
Materials (5-42)	4	No vinyl flooring		
Materials (5-57)	5	No vinyl siding or exterior trim		
Materials (5-74)	3	Use 50-year warranted roof material		



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<b>SECTION 1: BUILT GREEN® TEAM</b>				
1-1	1 to 10	Use Built Green® member subcontractors, vendors, and service providers (1 point for each - up to 10 max)		
1-2	2	Attend 3 or more Built Green® approved workshops per year		
1-3	5	Use certified third-party verifier to review checklist (Refer to handbook for instructions on third party verification)		
1-4	10	House is certified through NAHB Green Building Program		
1-5	1 to 10	Promote the Built Green® brand through innovation in marketing		
<b>SECTION 1: BUILT GREEN® TEAM Subtotal</b>			<b>0</b>	
<b>SECTION 2: SITE AND WATER</b>				
<b>SITE PROTECTION</b>				
<b>Overall</b>				
2-1	5	Build on an infill lot to take advantage of existing infrastructure and reduce development of virgin sites		
2-2	3	Build in a Low Impact development (can't combine with action item 2-3)		
2-3	5	Build in a Built Green® development		
<b>Protect Site's Natural Features</b>				
2-4	3	Restrict heavy equipment use zone to the site entry and building footprint to limit soil compaction		
2-5	2	Preserve existing native vegetation as landscaping		
2-6	3	Take extra precautions to protect trees during construction		
2-7	3	Exceed code requirements to preserve and protect critical areas during construction		
2-8	1 to 10	Set aside a % of the site to be left undisturbed		
2-9	1 to 10	Retain % of trees on site (30% required for 4 and 5 Star, on applicable sites only)		
2-10	10	Construct no impervious surfaces beyond house footprint		
<b>Protect Natural Processes On-Site</b>				
2-11	2	Install redundant erosion control devices and optimally maintain them to exceed code requirements. Complete full site clean-up upon construction completion.		
2-12	1	Use compost to stabilize disturbed slopes		
2-13	1	Exceed code requirements to protect stockpiled topsoil with mulch, jute, or other appropriate material		
2-14	3	Balance cut and fill, while maintaining original topography		
2-15	2 to 4	Limit grading to 15ft outside building footprint. OR: for infill lots, use compost to amend soils		
2-16	2	Grind landclearing wood and stumps for reuse		
2-17	2	Amend disturbed soil to a depth of 10 to 12 inches to restore soil environmental functions		
2-18	3	Replant or donate removed vegetation for immediate reuse		
2-19	2	Use plants donated from another site		
2-20	5	Use a water management system that allows groundwater to recharge		
2-21	5	Design to reduce effective impervious surface equivalent to 0% for 5 acres and above; OR <10% for less than 5 acres		
2-22	5	Use an alternative foundation system that minimizes volume of foundation material and disturbance to soil and/or to water flow		
2-23	10	Install vegetated roof system (e.g. eco-roof) to reduce impervious surface		
2-24	5	Use pervious materials for at least one third of total area for driveways, walkways, and patios		
2-25	10	Construct no additional impervious surfaces outside house footprint		
2-26	2	Do not dispose of topsoil or any other materials into drainage channels or low-lying areas		
<b>Eliminate Water Pollutants</b>				
2-27	1	Take extra precautions to install and maintain sediment traps		
2-28	1	Take extra precautions to not dispose of topsoil in lowlands or wetlands		
2-29	3	Wash out concrete trucks into storage containers		
2-30	3	Provide an infiltration system for rooftop runoff		
2-31	3	Where appropriate, establish and post protocol for tire cleaning and construct appropriate facility on site		
2-32	2	Use vermi-compost or slow-release organic fertilizers to establish vegetation		
2-33	2	Use less toxic form releasers		
2-34	3 to 5	Use non- or low-toxic outdoor lumber for outdoor landscaping (e.g. least-toxic treated wood). (ALL outdoor applications for 5-Star)		
2-35	5	No clearing or grading during winter months		
2-36	3	No zinc galvanized ridge caps, copper flashing, copper wires, or copper/zinc impregnated shingles for moss prevention		
2-37	3	Phase construction so that no more than 60% of the site is disturbed at a time		
<b>Reduce Air Pollutants</b>				
2-38	3	Use B-20 (20%) or higher biodiesel content in all construction vehicles and equipment		
2-39	1	Reduce idling of vehicles on site		
<b>DESIGN ALTERNATIVES</b>				
<b>Environmental Design Concepts</b>				
2-40	1 to 5	If adding a garage, minimize garage size. Include design features to reduce garage impact		
2-41	3	Provide an accessory dwelling unit or accessory living quarters		
2-42	4	Build within .25 mile of a transit stop		
<b>Safe and Pedestrian Friendly Communities</b>				
2-43	3	If adding a garage, position garage so it is not in front of house		
2-44	3	Provide a covered front porch		
2-45	1 to 5	Design innovation to promote and encourage pedestrian friendly and safe neighborhoods		
<b>WATER PROTECTION</b>				
<b>Outdoor Conservation</b>				
2-46	1	Mulch landscape beds with 2 to 4 inches organic mulch		
2-47	2	Use grass type requiring less irrigation and minimal maintenance		
2-48	1	Use compost soil amendment to establish turf and other vegetation with less irrigation		
2-49	1 to 5	Limit use of turf grass to a % of landscaped area (25% required for 5 Star)		
2-50	2 to 3	Landscape with plants appropriate for site topography and soil types, emphasizing use of plants with low watering requirements; OR Landscape with NATIVE plants appropriate for site topography and soil types, emphasizing use of plants with low watering requirements		
2-51	8	Plumb for greywater reuse (check local permit and code requirements related to greywater use)		
2-52	1 to 8	Install rainwater collection system (cistern) for water reuse		



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2-53	10	Install irrigation system using recycled water		
<b>Indoor Conservation</b>				
2-54	1 to 4	For bathroom and kitchen faucets, select fixtures with GPM less than code		
2-55	1	Install most efficient aerators available on market		
2-56	1	For showers, install showerheads with GPM less than code		
2-57	2 to 8	Install high performance low-flush or dual flush toilets (refer to list in resources)		
2-58	10	Install composting toilets		
2-59	10	Use greywater for toilet flushing		
2-60	5	Stub-in plumbing for future use of greywater for toilet flushing		
2-61	2	Install a recirculating pump for domestic hot water		
<b>Eliminate Water Pollutants</b>				
2-62	1	Educate homeowners about fish-friendly moss control		
2-63	4	Provide food waste chutes and compost or worm bins instead of a food garbage disposal		
2-64	4	Install a whole house water filtration system		
<b>INNOVATION</b>				
2-65	4 to 10	Include innovative design, equipment and operation solutions to protect the site's natural features, conserve water and reduce impact on water resources		
<b>SECTION 2: SITE AND WATER Subtotal:</b>			<b>0</b>	
<b>SECTION 3: ENERGY EFFICIENCY</b>				
<b>OVERALL</b>				
3-1	5	Use an outside consultant to verify energy performance of design		
3-2	5	Orient home on site to make best use of solar		
3-3	10	Home is ENERGY STAR® Homes Northwest certified		
3-4	30	Build a Net-Zero Energy home		
<b>ENVELOPE</b>				
<b>Thermal Performance</b>				
3-5	5 to 20	Document envelope improvements beyond code (component performance approach)		
3-6	5 to 20	Document envelope improvements beyond code (prescriptive scoring approach)		
3-7	1 to 5	Install dense packed cellulose, wet-blown cellulose, blown-in foam, soy-based foam, or fiberglass BIBs as insulation		
<b>Air Sealing / Vapor Sealing</b>				
3-8	2	Wrap addition with an exterior air infiltration barrier to manufacturer's specifications		
3-9	2	Use Airtight Drywall Approach for framed structures		
3-10	3	If using Structural Insulated Panels or Insulated Concrete Forms for building envelope, fix potential leak areas along ceiling and attic to ensure airtight building method		
3-11	3 to 5	Use blower door test to identify and correct air infiltration problems		
<b>Reduce Thermal Bridging</b>				
3-12	1	Use insulated headers		
3-13	1	Fully insulate corners (requires 2-stud instead of 3-stud corners)		
3-14	1	Fully insulate at interior/exterior wall intersection		
3-15	2	Specify and use raised heel trusses of 6" or more to accommodate higher attic insulation levels		
3-16	2	Use 2x6 intermediate framing		
3-17	3	Use insulated exterior sheathing		
3-18	3 to 5	Add wall, ceiling, and/or floor insulation beyond Code requirements, or beyond R-21		
3-19	2 to 6	Use structural insulated panels, insulated concrete forms, or straw bale for building envelope		
3-20	3	Use advanced wall framing—24 in OC, w/double top plate		
3-21	1 to 3	Use NFRC certified windows with a U-value of 0.32 or better, OR: if using unlimited glazing, use .30 or better		
3-22	2	Install no more than 1% of floor space of skylights. OR: install light tubes		
3-23	3	Minimum R-26 for overall wall insulation		
<b>Solar Design Features</b>				
3-24	2	Install properly sized overhangs on south facing glazing		
3-25	2	Orient windows to make the best use of passive solar		
3-26	2 to 4	Use glazing with solar heat gain coefficient less than 0.35		
3-27	2	Use building and landscaping plans that reduce heating/cooling loads naturally		
3-28	1 to 5	Demonstrate an overall reduction in space conditioning energy using approved energy modeling software		
3-29	1 to 10	Install a solar hot water system to supply all or a % of the household hot water needs		
3-30	1 to 15	Passive solar design innovations using sun-tempered design, thermal mass, glazing, overhangs, and airflow to adjoining rooms		
<b>HEATING/ COOLING</b>				
<b>Equipment and Distribution</b>				
3-31	1	Centrally locate heating / cooling system to reduce the size of the distribution system		
3-32	2	Ensure heating and/or cooling equipment is correctly sized to meet design heating and cooling loads of home (do not oversize)		
3-33	1	Install one or more properly supported ceiling fan pre-wires		
3-34	2	Install ENERGY STAR® heating equipment		
3-35	2	Properly ventilate after each new finish is applied		
3-36	2	Insulate any ducts located in unconditioned space to R-11		
3-37	2	Use direct vent gas or propane hearth product (AFUE rating)		
3-38	1 to 2	No fireplaces or only high efficiency units (Rumsford or Russian fireplace, masonry heater)		
3-39	3	No air conditioner		
3-40	3	Seal ducts using low toxic mastic or aerosolized sealing system		
3-41	3	Performance test duct for air leakage meets third-party review and certification		
3-42	7	Locate heating / cooling equipment and the distribution system inside the heated space		
3-43	5 to 15	Install ductless distribution system (e.g. hydronic, radiant, baseboard, or ductless miniplits)		
3-44	5	Install instant (tankless) hot water systems in a central location (where appropriate)		
3-45	10	Install geothermal heat pumps		
<b>Controls</b>				



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3-46	1	Install 60-minute timers or humidistat for bathroom and laundry room fans		
3-47	2	Install programmable thermostats with nighttime setback and switch for furnace fan		
<b>Heat Recovery</b>				
3-48	2	Install a heat recovery or energy recovery ventilator		
<b>RENEWABLE ENERGY</b>				
3-49	2 to 20	Percentage or all of home is powered by renewable energy source		
3-50	3	Home is pre-wired for photovoltaics		
<b>WATER HEATING</b>				
<b>Distribution</b>				
3-51	1	Locate water heater within 20 pipe feet of highest use		
3-52	4	Install on-demand or small, local hot water delivery system, or "home run" hot plumbing at farthest location from water heater		
3-53	3	Install electric water heater efficiency to EF of .93 or higher (or use 3-56 below)		
3-54	2 to 5	Install gas or propane water heater to EF of .61, .83, or .90.		
3-55	4	Install the water heater inside the heated space (electric, direct vent, or sealed venting only)		
3-56	4	Install exhaust air heat pump water heater or de-superheater: EF 1.9 (alternate to 3-53 above)		
<b>Drainwater Heat Recovery</b>				
3-57	3	Install drainwater heat recovery system (DHR)		
<b>APPLIANCES</b>				
3-58	1	Provide an outdoor clothesline		
3-59	1	Install gas clothes dryer		
3-60	1 to 2	Install an ENERGY STAR® clothes washer (High Efficiency required for 5 star)		
3-61	1	Install an ENERGY STAR® dishwasher		
3-62	1	Install an ENERGY STAR® refrigerator		
3-63	5	62)		
<b>LIGHTING</b>				
<b>Natural Light</b>				
3-64	1	Use light-colored interior finishes		
3-65	2	Use clerestory or roof monitor for natural lighting		
3-66	2	Use light tubes for natural lighting and to reduce electric lighting		
<b>Solar Powered Lighting</b>				
3-67	1	Use solar-powered walkway or outdoor area lighting		
<b>Efficient Lighting</b>				
3-68	2 to 4	Substitute Energy Star CFL reflector bulbs & fixtures or LEDs in incandescent downlights		
3-69	2	Use occupancy sensors in closets, pantries and utility rooms		
3-70	2	Install appropriate lighting controls (dimmers, timers) on interior fixtures		
3-71	2	Install 50% of the sockets with either Energy Star® CF bulbs or fixtures		
3-72	5	Install Energy Star® fixtures to meet Energy Star® Advanced Lighting Package		
3-73	10	Install Energy Star® Advanced Lighting Package and install Energy Star® lighting fixtures/bulbs in all remaining sockets as appropriate		
<b>INNOVATION</b>				
3-74	4 to 10	Include innovative design, equipment and operation solutions to enhance the energy efficiency of the home		
<b>SECTION 3: ENERGY EFFICIENCY Subtotal:</b>			<b>0</b>	
<b>SECTION 4: HEALTH AND INDOOR AIR QUALITY</b>				
<b>OVERALL</b>				
4-1	5	Certify Builder to have taken American Lung Association (ALA) of Washington "Healthy House Professional Training" course		
4-2	15	Certify house under ALA Healthy House Program (or other program as approved by Program Director)		
<b>JOB-SITE OPERATIONS</b>				
4-3	1	Use only biodegradable and non-toxic cleaners		
4-4	1	Require workers to use VOC-safe masks		
4-5	1 to 3	Keep materials dry during construction and conduct a moisture test prior to close-in of walls and conditioned space		
4-6	2	Manage construction dust and air pollution within building envelope during construction		
4-7	2	Protect exterior building components from water or moisture damage		
4-8	3	Properly ventilate with fans after each new finish is applied		
4-9	3	Do not use unvented heaters during construction		
4-10	3	Clean duct and furnace thoroughly at job completion and before move-in		
4-11	4	Involve and train subs in implementing a healthy building job-site plan for the project		
4-12	3	No use of HVAC system to dry house		
<b>LAYOUT AND MATERIAL SELECTION</b>				
4-13	2	If using carpet, specify low VOC carpets with the Carpet and Rug Institute (CRI) Indoor Air Quality (IAQ) label		
4-14	1 to 5	If using carpet, install low-pile or less allergen-attracting carpet and pad and choose carpet without brominated flame retardant, or made with natural fibers (e.g., jute, sisal, wool, bamboo)		
4-15	3	If using carpet, limit carpet to one-third or less of home's conditioned area		
4-16	3	If using carpet, install using dry method (no glue)		
4-17	10	No carpet in home		
4-18	2	Do not install any woodburning fireplaces and appliances		
4-19	1 to 2	Provide shoe storage at entry(ies) to home		
4-20	1	Provide a lockable storage unit for hazardous cleaning and maintenance products, detached from occupied space		
4-21	1	If installing water filter at sink, select one with biodegradable carbon filter		
4-22	1	Install showerhead filter		
4-23	3	Optimize air quality in family bedrooms		
4-24	2 to 4	If garage is attached, air-seal it from house and install proper ventilation		
4-25	3	Use urea-formaldehyde-free insulation or GreenGuard certified product		
4-26	4	Do not use fiberglass insulation		
4-27	1 to 8	Use only non- or low-VOC/toxic, water-based, solvent-free sealers, grouts, mortars, caulks, stains, pigments, additives, and adhesives inside the house		



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4-28	3	Use plywood and composites of exterior grade or formaldehyde-free for subfloor		
4-29	3	Use cabinets made without added urea-formaldehyde board or exterior grade plywood, and low- or non-toxic finish		
4-30	3	Use glass, ceramic, or porcelain tile for flooring		
4-31	2	Use materials without added urea-formaldehyde for finish work, including shelving, window and door trim, and base molding		
4-32	3 to 5	Use low- or non-VOC, and non-toxic interior paints and finishes on large surface areas, doors, windows, and trim. (all surfaces required for 4 & 5 Star)		
<b>MOISTURE CONTROL</b>				
4-33	1	If slab is used, properly install a 10 mil poly barrier between granular capillary break and slab. If no slab in crawl space, properly install vapor barrier and assemble bottom of frame floor at least 18" above crawlspace floor		
4-34	2	Ensure proper drainage of water away from crawl space and foundation		
4-35	1	Use roof gutters to drain out onto splash blocks or approved system to drain water away from building		
4-36	2 to 5	Test for radon. Remediate by installing a sub-membrane, sub crawlspace active radon type ventilation system to eliminate potential moisture, methane, and radon problems in the crawl space or under slabs on grade		
4-37	1	Pitch and flash roofs properly		
4-38	1	Install metal flashing at all windows and all door heads exposed to the weather		
4-39	1	Design wall system to allow water to drain out in the event of possible water penetration		
4-40	2	Fully insulate attached garage to minimize condensation-based mold growth		
<b>AIR DISTRIBUTION AND FILTRATION</b>				
4-41	1	Install return-air ducts or install passive pressure relief in bedroom(s)		
4-42	2	Install an operable skylight (manual or automated) high up in the structure to aid natural ventilation. Use U-factor of 0.45 or below and solar gain co-efficient of 0.35 or below		
4-43	3	Verify performance of ventilation systems; measuring supply and exhaust airflow, checking control activation and damper operation		
4-44	3 to 5	star)		
4-45	2	Install furnace and/or duct-mounted air cleaner or high efficiency air filter (non-electronic)		
4-46	2	Do not install electronic, metal mesh, horse hair, or non-pleated fiberglass filters		
4-47	3	Install central vacuum, exhausted to outside		
4-48	3	Provide for cross ventilation using operable windows		
4-49	3	Install CO detector(s). (Hard wired required for 4 & 5 star)		
<b>HVAC EQUIPMENT</b>				
4-50	1	Flow test all fans in the house		
4-51	1 to 3	Install crank or electronic timers and humidistat controls, or occupancy sensors for bath exhaust fans		
4-52	2	Install spot ventilation fans to same standard as whole house fan (Fan noise at 1.5 sones or less, etc.)		
4-53	2	Install exhaust fans in rooms where office equipment is used		
4-54	3	Install sealed combustion heating and hot water equipment		
4-55	5	Provide balanced indoor pressure using controlled ventilation		
4-56	5	Where appropriate, install furnace fan motor with an electrically commutated motor (ECM)		
4-57	8	Install a ductless heating system (e.g. radiant floor, hydronic, baseboard, or ductless minisplits)		
<b>INNOVATION</b>				
4-58	4 to 10	Include innovative design, equipment and operation solutions to protect human health and enhance indoor air quality during construction and/or occupation		
<b>SECTION 4: HEALTH AND IAQ Subtotal:</b>			<b>0</b>	
<b>SECTION 5: MATERIALS EFFICIENCY</b>				
<b>OVERALL</b>				
5-1	5 to 25	Create functional, multi-purpose spaces while limiting overall square footage		
5-2	5	Design and build for deconstruction concept, or dismantle, salvage, or reuse on-site existing building or building materials. NOTE: reclaimed dimensional lumber must be regraded for structural use		
5-3	1 to 5	Eliminate materials and systems that require finishes on a minimum of 100 square feet		
<b>JOBSITE OPERATIONS</b>				
5-4	1	Provide weather protection for stored materials		
5-5	1	Substitute products that require solvent-based cleaning methods with solvent-free or water-based methods		
<b>Reduce</b>				
5-6	2	Use suppliers who offer reusable or recyclable packaging		
5-7	2	Create detailed take-off and materials list for use by framers		
5-8	2	Use central cutting area or cut packs		
<b>Reuse</b>				
5-9	5	Use reclaimed building materials when appropriate		
5-10	2	Use reusable supplies for operations, such as construction fences, tarps, refillable propane tanks		
5-11	1	Move leftover materials to next job or provide to owner		
5-12	1	Donate, give away, or sell wood scraps, lumber, or land clearing debris for re-use		
5-13	1	Donate, give away, or sell reusable finish items		
5-14	2	Use reusable forms, including wood if it is well maintained		
5-15	1 to 11	Reuse building materials for your job		
5-16	2	Save and reuse site topsoil		
<b>Recycle</b>				
5-17	1 to 15	Achieve 85% minimum recycling rate for at least two of the following products: cardboard, metal scraps, wood/pallet scraps, packaging & pallet wrap, drywall, concrete, asphalt rubble, rock, brick, paint, asphalt roofing, land clearing, yard waste, and soil, glass, carpet padding, and upholstery foam		
5-18	5 to 10	Send at least 85% of jobsite waste (by weight, excluding concrete) to a comingle facility with a 50% recycling rate, 75% recycling rate, or 90% recycling rate		
5-19	5 to 7	Bonus points: Overall recycling rate above 50%, 70%, or 90%, by weight		
<b>DESIGN AND MATERIAL SELECTION</b>				
<b>Overall</b>				
5-20	1	Use standard dimensions in design of structure		
5-21	1	Install materials with longer life cycles		
5-22	2 to 5	Install locally produced materials from within the Pacific NorthWest – approximately 500 miles radius		
5-23	3	Use re-milled salvaged lumber		



# Project Checklist - Homebuilder

Company Name: Enter GC Name

Project Name & Address: Enter Project Name

Number	Points	Action Item	Points Earned	Submittal Comments
5-24	2	Do not use endangered wood species for new wood		
5-25	1 to 3	Use wood products certified as "sustainably produced" by a recognized third party (FSC required for 5 star)		
5-26	1 to 5	Use rapidly renewable building materials and products made of plants harvested within a 10 year cycle or shorter		
5-27	2	Use environmentally preferable products with third party certification such as SCS, Greenguard, Green Seal, and Floor Score (Not applicable to carpet)		
<b>Framing</b>				
5-28	1	Design for efficient floor design, stacking where possible and minimizing wasted space		
5-29	3	Use structural insulated panels and/or insulated concrete forms		
5-30	2	Use factory framed wall panels		
5-31	3	Use cementitious foam-formed walls with flyash concrete		
5-32	3	Use finger-jointed framing material (e.g. risers and studs) longitudinal compression loads only		
5-33	3	Use engineered structural products and do not use dimensional 2x's larger than 2x8 or 4x's larger than 4x8		
5-34	1 to 3	Use at least 50% of dimensional lumber certified as "sustainably produced" by a recognized third party		
5-35	4 to 6	Use at least 90% of dimensional lumber and 50% of sheathing certified as "sustainably produced" by a recognized third party		
<b>Foundation</b>				
5-36	1	Use regionally produced block for foundation		
5-37	1	Use flyash in concrete for foundation		
5-38	2	Use recycled concrete, asphalt, or glass cullet for base or fill for foundation		
5-39	2	Use alternative foundation system that minimizes volume of foundation material		
<b>Doors</b>				
5-40	2	If using wood interior doors, select products from domestically grown or reclaimed wood		
<b>Floors</b>				
5-41	1	Use recycled-content underlayment for sub-floor		
5-42	4	No vinyl flooring		
5-43	1	If installing carpet, use recycled-content carpet pad		
5-44	3	If installing carpet, use recycled-content or renewed carpet, or replaceable carpet tile		
5-45	4	Use reclaimed wood flooring		
5-46	5	Use recycled-content glass, ceramic or porcelain tile		
5-47	5	Use linoleum, cork, salvaged wood, or bamboo flooring		
5-48	1	Use a durable, spot repairable floor finish		
5-49	2	Use concrete slab or sub-floor as finished floor in living space		
<b>Interior Walls</b>				
5-50	1 to 2	Use drywall with recycled-content gypsum and/or use recycled or "reworked" paint and finishes		
5-51	1	Reduce interior walls through open floor plan for kitchen, dining, and living space		
5-52	1	Use natural wall finishes, such as lime paint and clay		
<b>Other Interior - Recycling</b>				
5-53	2	Provide garage sorting bins for recyclable materials		
5-54	3	Provide built-in kitchen or utility room recycling center		
<b>Exterior Walls</b>				
5-55	1	Use recycled-content sheathing		
5-56	1	Use siding with reclaimed or recycled material		
5-57	5	No vinyl siding or exterior trim		
5-58	2	Use 50-year warranted siding product		
5-59	2	Use salvaged masonry brick or block for exterior		
5-60	2	Use locally produced stone or brick for exterior		
5-61	8	Use straw bale, rammed earth, or cobb construction		
<b>Windows</b>				
5-62	1	Use wood/composite or fiberglass windows		
5-63	1	Use finger-jointed wood windows		
5-64	1 to 3	Use wood windows that are third party certified sustainably harvested wood		
5-65	4	No vinyl windows		
<b>Cabinetry and Trim</b>				
5-66	2	If using hardwood trim, use domestic products for cabinetry and trim		
5-67	2	Use finger-jointed trim for cabinetry and trim		
5-68	2 to 4	For cabinetry/trim, use domestic hardwood trim that is certified as "sustainably produced" by a recognized third party		
5-69	1 to 3	For cabinetry/trim, use tropical hardwood trim or cabinets only if certified as "sustainably produced" by a recognized third party		
5-70	4	Use cabinet casework and shelving constructed of agricultural fiber with no added urea formaldehyde		
5-71	3 to 4	Use countertops that are salvaged, recycled content, or third party certified for sustainably harvested wood		
<b>Roof</b>				
5-72	2	Use recycled-content roofing material		
5-73	2	Use 40-year warranted roofing material		
5-74	3	Use 50-year warranted roof material		
5-75	3	Use solar shingles		
<b>Insulation</b>				
5-76	2	Use recycled-content (minimum 40%) insulation		
5-77	4	Use environmentally preferred insulation products (urea-formaldehyde-free, CFC-free, HCFC-free)		
<b>Other Exterior</b>				
5-78	2	Use reclaimed or salvaged material for landscaping walls		
5-79	3	Use 100% recycled-content plastic or wood polymer lumber for decks and porches, or third party certified wood products		
5-80	2 to 5	Use non-toxic or low-toxic pressure-treated wood		
<b>INNOVATION</b>				
5-81	4 to 10	project		
<b>SECTION 5: MATERIALS EFFICIENCY Subtotal:</b>			<b>0</b>	



# Project Checklist - Homebuilder

Company Name: Enter GC Name

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Number	Points	Action Item	Points Earned	Submittal Comments
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## PROJECT SUMMARY

SECTION 1: BUILT GREEN TEAM	0
SECTION 2: SITE & WATER	0
SECTION 3: ENERGY EFFICIENCY	0
SECTION 4: HEALTH AND INDOOR AIR QUALITY	0
SECTION 5: MATERIALS EFFICIENCY	0
<b>TOTAL BUILT GREEN SCORE:</b>	<b>0</b>