



General Contractor:  
Project Name:  
Project Address:

Date:

## Renovation Checklist

Checklist Revised 10/05/10

**Basic Requirements:**

1. Member membership status in Built Green
2. Program Comply with all starred (mandatory) Action Items from Section Two through Six;
3. Mandatory EnerGuide for Existing Houses evaluation – for Homeowner education; no requirement to improve the EnerGuide Rating at Bronze Rating Level
4. Earn a total of 40 points from Sections One through Five, with a minimum of five (5) points in each section, Two through Five, to ensure a balanced approach

**Step 1:  
Select category**

**Total Points Achieved**

**Whole House Renovation**

0

- requires major changes to the mechanical, electrical and/or water and sewer systems and one or both of the following:
  - structural and finish changes to more than 70% of the existing structure affected), or;
  - an addition equal to or greater than 50% of the square footage of the existing structure

**Addition**

- Any project that increases the footprint and/or total square footage of the existing home

**Renovation**

0

- Requires major changes to the mechanical, electrical water and/or sewer systems
- Affects more than 500 sq. ft. (total of all areas affected)

**Small Renovation\***

0

- Requires no major changes to the mechanical, electrical, water and/or sewer systems *or*
- Affects less than 500 sq. ft. area (total of all areas affected) *or*
- Consists of a kitchen or bathroom renovation, or finishing a basement

**Minimum Point requirements by Project Categories**

Rating	Bronze	Silver	Gold	Platinum
Whole House Renovation	75	120	180	220
Addition or Renovation	50	85	130	160
Small Renovation	50	65	85	n/a

**Minimum Points by Section**

Rating	Bronze	Silver	Gold	Platinum
Section 1	*	*	*	*
Section 2 *	5	5	5	5
Section 3	5	8	12	15
Section 4	5	8	12	15
Section 5	5	8	12	15
Section 6	*	*	*	*

**Notes**

\*Small Renovations cannot qualify for Platinum status since, by definition, they lack adequate influence on the overall environmental impact of the home. Also, section two does not apply.

Item No.	Pts	CREDIT	Enter points taken	Comments
<b>REQUIREMENTS</b>				
	*	Meet Water Use Efficiency Standards or Local Codes whichever is more stringent		
	*	Meet Applicable Stormwater/Site Development Standards		
	*	Meet Energy Code		
	*	Meet Ventilation and Indoor Air Quality Code		
			ALL	
<b>SECTION 1: Built Green Team</b>				
1.1	1 - 10	Use sub-contractors, vendors and service providers who are Built Green™ Members in good standing. (One point for each, max 10)		Built Green™ participation requires a level of knowledge and ongoing education about green building practice.
<b>SECTION 1: Built Green Team Subtotal:</b>			0	
<b>SECTION 2: SITE AND WATER</b>				
<b>SITE PROTECTION, as and if applicable</b>				
<b>Requirements</b>				
2-1	*	Preserve and protect wetlands, shorelines, bluffs, during construction		
2-2	*	Preserve and protect critical areas during construction		
2-3	*	Install temporary erosion control devices and optimally maintain them		
2-3-1	1	Added point for documenting erosion control measures and submitting documentation with submission.		
2-4	*	Cover stockpiled topsoil with mulch or plastic		
2-4-1	1	Added point for documenting erosion control measures and submitting documentation with submission.		
2-5	*	Establish and maintain a single stabilized construction entrance (quarry spall, crushed rock or concrete)		
2-5-1	1	Added point for documenting erosion control measures and submitting documentation with submission.		
2-6	*	Install and maintain sediment traps		
2-6-1	1	Added point for documenting erosion control measures and submitting documentation with submission.		
2-7	*	Prohibit burying construction waste - <b>Mandatory</b>		
2-8		RESERVED		
<b>Overall</b>				
2-9 and 2-10 omitted for the Renovation Checklist		Not Applicable		
<b>Protect Site's Natural Features, as and if applicable</b>				
2-11	3	Limit heavy equipment use zone to limit soil compaction		
2-12	3	Preserve existing native vegetation as landscaping		
2-12-1	1	Document existing native vegetation as landscaping		
2-13	3	Take additional precautions to protect trees during construction		
2-14	3 to 6	Set aside a percentage of site to be left undisturbed		
<b>Protect Natural Processes On-Site</b>				
2-15	1	Use compost to stabilize disturbed slopes		
2-15-1	1	Document compost on disturbed slopes		
2-16	3	Balance cut and fill, while maintaining original topography		
2-17	3	Limit grading to 20 ft outside building footprint		
2-18	3	Preserve topsoil in place		
2-19	3	Grind landclearing wood and stumps for reuse on site		
2-20	5	Amend disturbed soil to a depth of 8 to 10 inches to restore soil environmental functions		
2-21	3	Replant or donate removed vegetation for immediate reuse		
2-22	5	Use a water management system that allows groundwater to recharge		
2-23	5	Design to minimize stormwater impacts. Effective impervious surface (see Handbook for definition): 5 acres and above = 0%; < 5 acres = 10% max		
2-24	5	Use pervious materials for at least one third of total area for driveways, walkways, and patios		
2-25	5	Use an alternate foundation system (e.g. Pin system) to minimize disturbance to soil and/or to water flow		
2-26	5	Install vegetated roof system (e.g. eco-roof) to reduce impervious surface		
2-27	3	Construct no additional impervious surfaces outside house footprint		
<b>Eliminate Water Pollutants</b>				
2-28	2	Take extra precautions to not dispose of topsoil in lowlands or wetlands		
2-29	2	Wash out concrete trucks in slab or impervious pavement subbase areas		

Item No.	Pts	CREDIT	Enter points taken	Comments
2-30	1	When construction is complete, leave no part of the disturbed site uncovered or unstabilized		
2-31	1	Recycle antifreeze, oil, and oil filters at appropriate outlets, if applicable		
2-32	1	Dispose of non-recyclable hazardous waste at legally permitted facilities		
2-33	1	Establish and post clean up procedures for spills to prevent illegal discharges		
2-34	2	Reduce hazardous waste through good jobsite housekeeping		
2-35	3	Provide an infiltration trench and/or raingarden for rooftop runoff		
2-36	2	Establish and post clean up protocol for tire wash and construct wash facility on-site if necessary		
2-37	2	Use slow-release organic fertilizers to establish vegetation		
2-38	4	Use less toxic form releasers or no temporary forms or releasers		
2-39	2	Use non-toxic or low-toxic outdoor lumber for landscaping (e.g. Plastic lumber or low toxic treated wood)		
2-40	2	When using shake roofing, avoid use of CCA-treated wood shake roofing		
2-40-1	3	Absolutely no use of CCA products in <b>entire</b> renovation		
2-41	3	Follow <i>Seasonal Land-clearing Checklist</i> (see User Guide) for seasonal landclearing between October 1 and April 30		
2-42	2	No zinc galvanized ridge caps, copper flashing, copper wires, or copper/zinc impregnated shingles for algae prevention (Item 2-73 also required)		
<b>DESIGN ALTERNATIVES</b>				
2-43/53		UNDER DEVELOPMENT - as of this update for Built Green BC		
<b>WATER PROTECTION</b>				
<b>Outdoor Conservation</b>				
2-54	1	Mulch landscape beds with 2 inches of organic mulch		
2-55	2	Use only bark-free mulches		
2-56	1	Use grass type requiring less irrigation and minimal maintenance		
2-57	3	Use compost soil amendments to establish turf and other vegetation with less irrigation		
2-58	3	Limit use of turf grass to 25% of landscaped area		
2-59	10	No turf grass		
2-60	5	Landscape with plants appropriate for site topography and soil types, emphasizing use of plants with low watering requirements		
2-61	2	Landscape with NATIVE plants appropriate for site topography and soil types, emphasizing use of plants with low watering requirements		
2-62	2	Landscape fire buffer around house using native species that are fire resistant		
2-63	1	Work with Master Gardener Volunteer to develop landscape design and implementation plan for 2-60, 2-61 and 2-62		
2-64	4	Rough-in plumbing to capture greywater for reuse/irrigation		
2-65	2	Install rain barrels to store rainwater for reuse		
2-66	10	Install rainwater collection system (cistern) for reuse		
2-67	5	Install irrigation system using recycled water		
<b>Eliminate Water Pollutants</b>				
2-68	1	Educate homeowners about fish-friendly moss control		
2-69	4	Provide food waste chutes and compost or worm bins instead of a food garbage disposal		
<b>INNOVATION</b>				
2-70	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>			0	
<b>SECTION 3: ENERGY EFFICIENCY</b>				
3-1	1	Install programmable thermostats with nighttime setback and switch for furnace fan		
<b>OVERALL</b>				
3-2	5	Provide third-party verification of energy performance of design.		
3-3	5	Orient home on site to make best use of solar energy		
3-3-1	3	Tune windows for Passive Heating / Cooling		
3-4	*	Conduct Energuide for existing houses evaluation (currently ecoENERGY/LiveSmart BC programs) on house		
<b>ENVELOPE</b>				
<b>Thermal Performance</b>				
3-5	1 point per % achieved	Improve overall energy efficiency of entire building, including addition, and document envelope improvements using approved energy modeling software.		
<b>Air Sealing</b>				
3-6	2	Inspect and adjust all doors and windows and install weatherstripping		
3-7	3	Use Airtight Drywall Approach for framed structures		
3-8	3	Use airtight building method, such as Structural Insulated Panels or Insulated Concrete Forms, for building envelope		
3-8-1	3	Use an Exterior Air Barrier on the exterior wall assembly Installed per Manufactures guidelines.		

Item No.	Pts	CREDIT	Enter points taken	Comments
3-9	6	Use interim Blower door test to identify and correct air infiltration problems		
3-9-1	4	Thermal By Pass Inspection Completed Before Drywall Installed		
<b>Reduce Thermal Bridging</b>				
3-10	1	Use blown-in insulation (cellulose and/or foam) in exterior walls and ceiling		
3-10-1	1	Blown in cellulose insulation - Recycled Content		
3-11	1	Use insulated headers		
3-11-1	2	Replace uninsulated exterior doors with insulated doors		
3-12	1	Fully insulate corners (requires 2-stud corners instead of 3-stud corners)		
3-13	1	Fully insulate at interior/exterior wall intersection		
3-14	1	Specify and use high (energy heels) of 8 in. or more on trusses to allow added insulation over top plate		
3-14-1	*	Ventilation Chutes / Insulation Stops		
3-15	2	Use insulated exterior sheathing		
3-16	3	Add wall, ceiling, and/or floor insulation beyond Code requirements		
3-17	7	Use structural insulated panels (SIPs) or Insulated Concrete Forms (ICFs) with insulation over cross ties for building envelope		
3-18	3	Use advanced wall framing—24-in OC, w/double top plate		
3-19	4	Use advanced wall framing—24-in OC, with SINGLE top plate		
3-20	3	Use ENERGYSTAR windows rated on climate zone higher than project location		
3-20-1	2	Use Energuide/ENERGYSTAR rated two climate zones higher than project location		
<b>Solar Design Features</b>				
3-21	2	Install properly sized overhangs on south facing glazing		
3-22	2	Orient windows to make the best use of passive solar		
3-23	2	On west-facing windows, use glazing with solar heat gain coefficient less than 0.35		
3-24	2	Use building and landscaping plans that reduce heating/cooling loads naturally		
3-25	1 to 5	Demonstrate using approved energy modeling software and overall reduction in space conditioning via passive solar renovation		
3-26	3	Install infrastructure for future photovoltaic installation		
3-27	5	Install a photovoltaic system of at least 1.0 kW capacity		
<b>HEATING/ COOLING</b>				
<b>Distribution</b>				
3-28	1	Centrally locate heating / cooling system to reduce the size of the distribution system		
3-29	1	Install one or more properly supported ceiling fan pre-wires		
3-30	as sub pts	Install high COP heating equipment - <i>points for efficiency</i>		
3-30-1	3	ground source heat pump		
3-30-2	2	air-to air heat pump		
3-30-3	2	air-to-water heat pump		
3-31	2	Install Energuide/ENERGY STAR® cooling equipment		
3-32	2	Insulate any ducts located in unconditioned space to R-11		
3-33	2	Use direct vent gas or propane hearth product (AFUE rating)		
3-34	2	No fireplaces or only high efficiency units (Rumsford or Russian fireplace, Masonry heater)		
3-35	3	No separate air conditioner installed with new system		
3-36	5	Seal ducts using low toxic mastic or aerosolized sealing system		
3-37	5	Performance test duct for air leakage - meets third-party review and certification		
3-38	3	Locate HVAC distribution system inside the conditioned space		
3-39	2	Size Duct and Appliance Selection according to TECA Quality First program		
3-40	3	Where appropriate, install furnace fan with an electrically commutated motor (ECM)		
3-41	8	Use ductless heat distribution system		
3-41-1	5	Perform Comprehensive crawl space improvement		
<b>Controls</b>				
3-42	1	Install 60-minute timers or humidistat for bathroom and laundry room fans		
<b>Heat Recovery</b>				
3-43	5	Install a heat recovery ventilator and ensure compliance to CSA F326		
<b>WATER HEATING</b>				
<b>Heating and Distribution</b>				

Item No.	Pts	CREDIT	Enter points taken	Comments
3-44	2	Use a heat pump or indirect water heater for domestic hot water (DHW)		
3-45	1	Locate water heater within 20 pipe feet of highest use		
3-46	1	Insulate hot and cold water pipes within 3 feet of the hot water heater		
3-47	2	Install "home run" hot plumbing at farthest location from water heater		
3-48	3	Install on-demand or small, local hot water delivery system at farthest location from water heater		
3-49	2	Install electric water heater efficiency to Energy Factor (EF) of .93 or higher (or use 3-52 below)		
3-50	2	Install gas or propane water heater efficiency to EF of .57 (or use 3-53 below)		
3-51	2	Install the water heater inside the conditioned space (electric, direct vent, or sealed venting only)		
3-52	4	Install exhaust air heat pump water heater or de-superheater: EF 1.9 (alternate to 3-49 above)		
3-53	3	Install gas or propane water heater to EF of .90 (alternate to 3-50 above)		
3-53-1	1	No DHW Storage – all on demand – no tank and no indirect tank		
3-54	3	Rough-in plumbing and provide suitable, south-facing roof area for solar water heating collector		
3-55	10	Install a solar water heating system		
3-55-1	5	Install a Solar Hot Water Heating system for Space Heat $\geq$ 25%		
3-55-2	5	Install a Solar Hot Water Heating system for <b>existing</b> pool		
<b>Drainwater Heat Recovery</b>				
3-56	3	Install drainwater heat recovery system (DHR)		
<b>APPLIANCES</b>				
3-57	1	Provide an outdoor clothesline		
3-58	1	Install gas clothes dryer		
3-59	2 or 3	Install an Energuide/ENERGY STAR® washing machine		
3-60	1	Install an Energuide/ENERGY STAR® dishwasher		
3-61	1	Install an Energuide/ENERGY STAR® refrigerator		
3-62	5	Demonstrate that the Energuide/ENERGY STAR® appliance suite selected uses 15% less energy than minimum Energuide/ENERGY		
<b>LIGHTING</b>				
<b>Natural Light</b>				
3-63	1	Use light-colored interior finishes		
3-64	2	Use clerestory or roof monitor for natural lighting		
3-65	2	Use light tubes for natural lighting and to reduce electric lighting		
<b>Solar Powered Lighting</b>				
3-66	1	Use solar-powered walkway or outdoor area lighting.		
<b>Efficient Lighting</b>				
3-67	* or 1	Furnish four Energuide/ENERGY STAR™ compact fluorescent light bulbs to owners		
3-67-1	1	Use any fixture that uses less energy than an incandescent light - 80% of lighting		
3-67-2	2	Exceed performance of Incandescent light by 50%-80% of lighting in House		
3-68	1	Substitute Halogen lighting for incandescent down-lights		
3-68-1	1	Reduce Halogen Lights in house to less than 50% of all house lights		
3-68-2	1	Reduce Halogen Lights in house to less than 25% of all house lights		
3-69	1	Install motion detector and photocell controls on all exterior lights		
3-70	2	Install lighting dimmer, timers, and/or motion detectors on interior lights		
3-70-1	1	Motion Detectors used in conjunction with LED lighting		
3-71	2	Use Energuide/ENERGY STAR™ compact fluorescent bulbs or LED in three high-use locations (kitchen, porch/outdoors, and one other location) Nothing but above rated lighting		
3-71-1	1	Use Non-Screw In Type Fixture to Ensure Impossible Replacement to Incandescent		
3-72	5	Install Energuide/ENERGY STAR® fixtures (including one original and one back-up lamp) in three high-use locations (kitchen, porch/outdoors, and one other location)		
<b>INNOVATION</b>				
3-73	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>			0	
<b>SECTION 4: HEALTH AND INDOOR AIR QUALITY</b>				
The following Action Items #4-1 through 4-10 are mandatory for the renovated area with no points given. The points shown for each item are allowed when the contractor performs these actions on the entire building, going beyond the renovated area.				
4-1	* or 1	Direct stormwater at least 5 ft away from building using grading and approved drain system as appropriate		
4-2	* or 1	Seal at doors, windows, plumbing, and electrical penetrations against moisture and air leaks		

Item No.	Pts	CREDIT	Enter points taken	Comments
4-3	* or 1	If slab is used, install poly barrier properly; if no slab, ensure bottom of floor is sufficient height above backfilled dirt with vapor barrier properly installed		
4-4	* or 1	Ensure proper drainage of crawl space		
4-5	* or 1	Ensure attic space is sealed from living and crawl spaces to prevent moisture build-up		
4-6	* or 1	Use roof gutters to drain out onto splash blocks or approved system to drain water away from building		
4-7	* or 1	Pitch and flash roofs properly		
4-8	* or 1	Install spot ventilation equipment in all appropriate locations as per Ventilation and Indoor Air Quality code		
4-9	* or 2	Install spot ventilation fans to same standard as whole house fan (Fan noise at 1.5 sones or less, etc.)		
4-10	* or 2	Ensure heating and/or cooling equipment is correctly sized to meet design heating and cooling loads of renovated home (do not oversize)		
<b>OVERALL</b>				
4-11	5	Certify Renovator/Builder to have taken Air Quality Training course		
<b>JOB-SITE OPERATIONS</b>				
4-12	1	Use less-toxic cleaners		
4-13	1	Require workers to use VOC-safe masks		
4-14	2	Take measures during construction operations to avoid moisture problems later		
4-15	2	Take measures to avoid problems due to construction dust		
4-15-1	1 or 2	Isolate construction area		
4-16	2	Protect exterior building components from water or moisture damage		
4-17	2	Use moisture meter to ensure moisture levels below 15% in walls, and below 10% in floors before closing up, installing drywall, and finish floors		
4-18	3	Ventilate with fans after each new finish is applied		
4-19	3	Use dehumidifiers or electric heaters during construction (No unvented combustion heaters)		
4-20	3	Clean duct and furnace thoroughly at job completion		
4-21	3	Prepare an Indoor Environmental Quality Protection Plan for the project		
4-22	4	Involve subs in implementing the IEQ plan for the project		
<b>LAYOUT AND MATERIAL SELECTION</b>				
4-23	1	If using carpet, specify low VOC carpets with Indoor Air Quality (IAQ) label		
4-24	1	Install low pile or less allergen-attracting carpet and pad		
4-25	1	Provide cleanable doormat and/or shoe racks at entry(ies) to home		
4-26	1	Build a lockable storage unit for hazardous cleaning and maintenance products, detached from occupied space		
4-27	1	If installing water filtration, select biodegradable carbon filters		
4-28	3	Limit carpet to one-third of home's square footage		
4-29	3	Optimize air quality in family bedrooms		
4-29-1	3	Cross ventilation		
4-29-2	1	Re-work existing windows		
4-30	1	If using carpet, install by tacking (no glue)		
4-31	*	If garage is attached, air-seal it from house		
4-32	*	Use low-VOC, low-toxic, water-based, solvent-free sealers, grouts, mortars, caulks, and adhesives inside the house		
4-33	3	Use plywood and composites of exterior grade or formaldehyde-free (for interior use)		
4-34	3	Use cabinets made with formaldehyde-free board or exterior grade plywood and low toxic finish		
4-35	1 - 5	Use glass, ceramic, or porcelain tile for flooring in bathrooms, laundry and kitchen		
4-36	3	Use polyethylene piping for plumbing (no PVC)		
4-37	3	Install natural fiber carpet (e.g. jute, sisal, wool)		
4-38	5	Use low-VOC /low-toxic interior paints and finishes for large surface areas		
4-39	3	No carpet in home		
<b>MOISTURE CONTROL</b>				
4-40	2	Fully insulate garage to minimize condensation-based mold growth		
4-41	2	Vent attic over code requirements to prevent moisture build-up		
4-42	3	Use an unvented or mechanically-exhausted, conditioned crawl space		
4-43	*	Design wall system to allow water to drain out in the event of possible water penetration (rain screen wall system) if not code required		
4-43-1	1	Install a Drainable House Wrap or Double Layer Building Paper under exterior siding to promote wall drainage – if Rain Screen Not Used		

Item No.	Pts	CREDIT	Enter points taken	Comments
4-43-2	5	Design exterior wall system to allow water to drain out in the event of possible water penetration (e.g. vented rainscreen wall)		
<b>AIR DISTRIBUTION AND FILTRATION</b>				
4-44	1	Install return-air ducts in bedroom(s) or Undercuts and Continuously Operating Blower Fan		
4-45	*	Install CO detector(s)		
4-46	2	Install an operable skylight (manual or automated) high up in the structure to aid natural ventilation. ENERGY STAR - up one climate zone		
4-47	3	Verify performance of new and existing ventilation systems; measuring supply and exhaust airflow, checking control activation and damper operation		
4-47-1	3	Inspect, repair and upgrade air distribution systems.		
4-48	3	Install medium-efficiency pleated filter or better		
4-49	3	Install furnace and/or duct-mounted air cleaner or high efficiency air filter		
4-50	2 or 3	Plumb for or Install central vacuum, exhausted to outside		
<b>HVAC EQUIPMENT</b>				
4-51	2	Install exhaust fans in rooms where office equipment is used		
4-52	2	Install sealed combustion heating and hot water equipment		
4-53	3	Install 100% rigid, insulated sheet metal ducts for HVAC distribution system		
4-54	5	Provide balanced indoor pressure using controlled ventilation		
4-54-1	10	For pre-1981 homes, upgrade to a whole-house balanced ventilation system		
4-55	n/a	Install a ductless heating system (e.g. Radiant floor or radiant baseboard)		
<b>WATER QUALITY &amp; CONSERVATION</b>				
4-56	1	For bathroom faucets, select fixtures with GPM less than code		
4-57	1	For kitchen faucets, select fixtures with GPM less than code		
4-58	1	Select toilets fixtures that meet code, and work with the first flush		
4-59	2	Install Dual flush toilets or low flow toilets		
4-60	2	Install instant (tankless) hot water systems (where appropriate)		
4-60-1	2	Install water metering system in place to manage water consumption		
4-61	1	Provide basic whole house water filtration system		
4-62	1	Separate outdoor water supply prior to filtration		
4-63	1 - 3	Provide high performance spot water filtration in kitchen and bathrooms		
<b>INNOVATION</b>				
4-64	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>			0	
<b>SECTION 5: MATERIALS EFFICIENCY</b>				
5-0	*	Follow Best Practices for detection, removal, and disposal of asbestos-containing materials.	Req.	
5-0-1	*	Follow Best Practices for detection, removal, and disposal of lead-containing paints and materials.	Req.	
5-1	*	Provide waste reduction resource sheet to on-site personnel and subcontractors	Req.	
5-2	*	Prepare jobsite recycling plan and post on site	Req.	
<b>OVERALL</b>				
5-3	5 to 25	Create functional, multi-purpose spaces while limiting additional square footage		
<b>JOBSITE OPERATIONS</b>				
<b>Reduce</b>				
5-4	1	Use suppliers who offer reusable or recyclable packaging		
5-5	1	Provide weather protection for stored materials		
5-6	2	Create detailed take-off and provide as cut list to framer		
5-7	2	Use central cutting area or cut packs		
5-8	2	Contractually require subcontractors to participate in waste reduction efforts		
<b>Reuse</b>				
5-9	1	Use scrap dimensional lumber; must be regraded for structural use		
5-9-1	1	Reuse other building materials where appropriate		
5-9-2	1	Reuse, sell, or give away non-code windows for use in unheated spaces		
5-10	1	Reuse supplies for operations, such as construction fences, tarps, refillable propane tanks		

Item No.	Pts	CREDIT	Enter points taken	Comments
5-11	1	Move leftover materials to next job or provide to owner		
5-12	1	Reuse spent solvent for cleaning		
5-13	1	Sell or give away wood scraps		
5-14	2	Sell or donate reusable items (e.g. pallets)		
5-15	2	Purchase salvaged building materials for your job		
5-16	2	Save and reuse site topsoil		
<b>Recycle</b>				
5-17	2	Contractually require subcontractors to participate in recycling efforts		
5-18	1	Recycle cardboard		
5-19	1	Recycle metal scraps		
5-20	1	Recycle wood scrap and broken pallets		
5-21	1	Recycle packaging		
5-22	1	Recycle drywall		
5-23	1	Recycle concrete/asphalt rubble, rock, and brick		
5-24	3	Recycle paint		
5-25	4	Recycle asphalt roofing		
5-26	3	Recycle land clearing and yard waste, on- or offsite		
<b>Hazardous Waste</b>				
	*	See Action Items 2-31, Recycle Antifreeze, Oil, and Oil Filters at Appropriate Outlets and 2-32, Dispose of Non-recyclable Hazardous Waste at Legally Permitted Facilities.		
<b>DESIGN AND MATERIAL SELECTION</b>				
<b>Overall</b>				
5-27	1	Use standard dimensions in design of structure		
5-28	1	Install materials with longer life cycles		
5-29	1 to 3	Install locally produced materials from within region – 800 km radius (1 pt per product)		
5-30	3	Use re-milled salvaged lumber		
5-31	1 to 3	Use wood products certified as “sustainably produced” by a recognized third party		
<b>Framing</b>				
5-32	1	Use stacked floor plans		
5-33	1	Use engineered structural products		
5-34	2	Use structural insulated panels		
5-35	7	Use Advanced Framing		
5-36	3	Use Insulated Concrete Form (ICF) walls with flyash and/or blast furnace slag cement in concrete		
5-37	3	Use finger-jointed framing material (e.g. risers and studs) longitudinal compression loads only		
5-38	3 to 6	Use at least 50% of dimensional lumber certified as “sustainably produced” by a recognized third party		
5-39	5 to 10	Use at least 90% of dimensional lumber and 50% of sheathing certified as “sustainably produced” by a recognized third party		
<b>Foundation</b>				
5-40	1	Use regionally produced block for foundation		
5-41	1	Use flyash or slag concrete		
5-42	2	Use recycled concrete, asphalt, or glass cullet for base or fill for foundation		
5-43	2	Use insulated concrete forms (ICFs) for foundation		
5-44	2	Use alternative foundation system that minimizes volume of foundation material		
<b>Sub-Floor</b>				
5-45	1	Use recycled-content underlayment for sub-floor		
<b>Doors</b>				
5-46	2	If using wood interior doors, select products from wood grown in North America		
5-47	2	Use recycled-content interior door package		
5-48	3	Use salvaged door package		
<b>Finish Floor</b>				
5-49	1	If installing vinyl flooring, use product with recycled content		
5-50	1	If installing carpet, use recycled-content carpet pad		
5-51	3	If installing carpet, use recycled-content or renewed carpet		
5-52-1	3	Re-use existing wood flooring		
5-52-2	3	Use wood flooring that is certified as “sustainably produced” by a recognized third party		
5-53	5	Use recycled-content glass, ceramic or porcelain tile		
5-54	5	Use linoleum, cork, salvaged wood, or bamboo flooring		
<b>Interior Walls</b>				
5-55	1	Specify and use drywall with recycled-content gypsum		
5-56	1	Specify and use recycled or “reworked” paint and finishes		
<b>Other Interior - Recycling</b>				
5-57	2	Provide garage sorting bins for recyclable materials		
5-58	4	Provide built-in kitchen or utility room recycling center		
<b>Exterior Walls</b>				
5-59	1	Use recycled-content sheathing		
5-60	1	Use siding with reclaimed or recycled material		
5-61	2	Use 50-year siding product		
5-62	2	Use salvaged masonry brick or block for exterior		

Item No.	Pts	CREDIT	Enter points taken	Comments
5-63	2	Use locally produced stone or brick for exterior		
<b>Windows</b>				
5-64	1	Use wood/composite windows		
5-65	1	Use finger-jointed wood windows		
<b>Cabinetry and Trim</b>				
5-66	2	If using hardwood trim, use North American products for cabinetry and trim		
5-67	2	Use finger-jointed trim for cabinetry and trim		
5-68	2	For cabinetry/trim, use North American hardwood trim that is certified as "sustainably produced" by a recognized third party		
5-69	3 to 5	For cabinetry/trim, use tropical hardwood trim or cabinets ONLY if certified as "sustainably produced" by a recognized third party		
<b>Roof</b>				
5-70	2	Use recycled-content roofing material		
5-71	2	Use 40-year roofing material		
5-72	3	Use 50-year roof material		
5-73	4	Use lifetime warranty roofing material		
<b>Insulation</b>				
5-74	1	Use recycled-content insulation		
5-75	3	Use environmentally friendly foam building products (formaldehyde-free, CFC-free, HCFC-free)		
<b>Other Exterior</b>				
5-76	2	Use reclaimed or salvaged material for landscaping walls and decks/patios		
5-77	3	Use recycled-content plastic or wood polymer lumber for decks and porches		
5-78	3	Use non-toxic or low-toxic pressure-treated wood		
<b>INNOVATION</b>				
5-79	4 to 10	Include innovative design, equipment and operation solutions to conserve natural resources and minimize waste produced on the project		
<b>SECTION 5: MATERIALS EFFICIENCY Subtotal:</b>			0	
<b>SECTION 6: PROMOTE ENVIRONMENTALLY FRIENDLY HOME OWNER OPERATIONS AND MAINTENANCE</b>				
<b>HOME-OWNER'S KIT</b>				
	*	Provide owner with Homeowner's Information Kit	Req.	Required
<b>SECTION 6: O&amp;M Subtotal:</b>			0	

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