

Instructions

Responsible Green Home Charrette

Scenario

Identify upgrade measures to bring this housing project to the highest level of certification in the selected green Rating System without spending more than \$5,000.

Instructions

Choose green upgrade measures for the house described below. Score the home using an appropriate green Rating System.

The following approach is recommended:

1. Introduce project team members
2. Assign roles, including: project lead, scribe, score keeper, cost specialist, and reporter.
3. Agree to project goals (e.g., performance goals)
4. Identify any and all prerequisites (or mandatory) measures .
5. Identify upgrade options which are most cost effective.
6. Record on the flip chart which options your team chooses to take, the points and costs associated with each option.
7. Total your options to reveal the level of certification you could achieve were you to turn the guidelines into a program for your organization. You will have to make assumptions; make sure to remember what assumptions you make.

Report Back

1. What is project estimated point value and rating?
2. Approx. cost of upgrades?
3. What did you learn in the charrette process?
4. Have you used charrettes before? Will you hold a charrette in future?
5. What “barriers” to success are you concerned about?
6. What additional help would you like?

Important Tips

Technical experts will be floating around the room. Don't forget there are detailed explanations of each item in the User Guide.

Remember to have fun and think about what you would realistically be able to do when you return home to work on housing projects. If there is something that you value as important in green construction that is not in the guidelines, innovate and explain.

Background Info on Previously Built Homes

Blower Door and Duct Blaster test results:

- Blower Door – 0.60 natural air changes per hour
- Duct Blaster – 25% leakage

Current Construction Specifications

Foundation type:	Uninsulated slab
Orientation:	Front of house faces north
Insulation values:	Walls: 2x4 (16"oc) construction w/ fibreglas batt insulation Ceiling: 2x8 (16" oc) construction w/ fibreglas batt insulation
Exterior Wall sheathing:	½" OSB
Windows:	Double pane with thermal break
Mechanical Ventilation:	None
Doors:	R-3
Roofing color:	15 year shingles, black color
Furnace:	80% AFUE natural gas, air handler located in attic
Air conditioning:	13 SEER (same air handler)
Ducts:	R-6 insulation, all ducts located in attic
Appliances:	No ENERGY STAR appliances
Water heater:	Atmospheric vent, natural gas 40 gallon, 0.56 EF
Utility Costs:	\$1.75/therm \$0.12 / kWh