Some people design a home to have the best of everything and put every conceivable upgrade into it. If you could build your dream home and could add an extra 150,000 dollars to your budget how would you make it eco-friendly? You job as a home owner is to submit design that can be certified as a green home. The following is criteria you need to include in your presentation.

5 points

Energy use

1. 2 points Energy delivery system
   1. Describes the type of energy the house uses and how it is accessed. (solar, wind, geothermal, hydrogen, etc.)
   2. Explains how it is eco-friendly
      1. Type of emissions
      2. Is it off the grid?
      3. Does it need backup from the grid?

1. 3 points Appliances
   1. 1point for showing the types of appliances you will use.
      1. Kitchen appliances (may include any of the types below)
         1. Stove
         2. Oven
         3. Refrigerator
         4. Water softener and/ or filter
      2. Televisions
         1. How many and where they are located
      3. Computers
         1. How many and where they are located
      4. Gaming systems if you would like them
      5. Lighting inside and outside house ( may include ceiling fans)
   2. 2 points for explanation of how your choices help the environment.

5 points Water use

1. Fixtures
   1. 1 point for showing your choices for bath and kitchen
      1. Faucets
      2. Showers
      3. Dishwasher
      4. toilets
   2. 1 point for explaining how your selections are eco-friendly.
2. Landscaping
   * 1. 1 point for showing your choices of plants and water features
     2. Type of landscape
        1. Will you have grass or xeriscape?
        2. Sprinklers?
        3. How much hardscape will you have?
        4. Will you have a pool, ponds, or fountain?
   1. 2 points explains how your choices reduce the amount of water used.
3. Building materials (5points total)
   1. Type of home (stucco, wood, brick, rammed earth etc.)
      1. 2 points explains how your design and use of materials is eco-friendly.
   2. Flooring and paint
      1. 1 point for showing your choice of flooring and paint throughout the house
      2. 1 point for explanation of how your choices help the environment.
   3. 1 point any other innovation you put on your house to make it earth friendly

Sites to get you started

<http://www.epa.gov/greenhomes/>

<http://www.homeinnovation.com/green>

<http://www.bhgrealestate.com/Live/Live-Green/Green-Build/Getting-Your-Home-Green-Certified.html>

<http://new.usgbc.org/leed/rating-systems/residential>