



## LEAFHouse Donation Wish List as of 1.29.07

### **PV Panels and associated equipment**

\$40,000 buys 205 Watt Solar PV Panels

\$18,000 buys 12 Volt sealed batteries

- *Store excess power distributed from solar panels*

\$1,000 buys Balance System Battery Inverter

- *Converts the direct current (DC) power from the solar panels and batteries to alternating current (AC), which can then be used by the house's appliances*

### **Skylight Windows**

\$25,000 buys a polycarbonate ceiling skylight window

### **Appliances**

\$2,900 buys an energy-efficient washer/dryer combination

\$2,150 buys a side-by-side energy-efficient refrigerator

\$1,100 buys a built-in energy-efficient dishwasher

### **House Framing Materials**

\$2,400 buys Laminated Veneer Lumber pieces (LVL)

- *LVL is an engineered wood product that uses multiple layers of thin wood assembled with adhesives. It is stronger, straighter, and more uniform than standard lumber.*

\$850 buys Joists

- *Wooden joists that support the walls and beams that bear the house's ceiling.*

\$700 buys AdvanTech plywood

- *AdvanTech plywood is high-performance structural wood engineered to provide more water resistance and stability than standard plywood.*

\$20,000 buys the house's exterior decks



### **Smart House Materials**

\$570 buys Z-wave Wall Switches/Dimmers

- *Switches and dimmers that can be controlled wirelessly via computer*

\$555 buys Contact Sensor

- *Sensor used to detect whether doors and windows are closed or open*

\$385 buys 1000 ft Cable

- *Cables that will power the sensors and carry data back and forth between the computer*

\$368 buys Temperature Sensor

- *Sensor used to detect temperature in surrounding area of house*

\$270 buys Z-wave Thermostat

- *Thermostat controlled wirelessly via computer*

\$184 buys Light Sensor

- *Sensor detects light in surrounding area of house*

\$170 buys Ocelot X10 Device

- *Physical intermediary that coordinates signals between various sensors and computer*

\$167 buys Humidity Sensor

- *Sensor used to detect humidity in surrounding area of house*

\$54 buys Linear Transformer

- *Converts AC power to DC so it can be used buys the sensors*

\$42 buys Z-wave USB Device

- *Physical intermediary that coordinates signals between controllers that manage operation of appliances around the house and computer*

### **Finishing Details**

\$30,000 buys interior millwork and casework

\$15,000 buys interior finishes

\$20,000 buys landscaping

\$15,000 buys exterior waterworks

\$10,000 buys furnishings, etc., to create the interior "house experience"