

## Translate Green Products & Features into Green Rewards\$!

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**Universal Design Living Laboratory:** A free chapter with the UDLL universal design features from the "Universal Design Toolkit"; virtual tour; videos; articles; resource links; photos [www.UDLL.com](http://www.UDLL.com)

### Sustainability

- Environmental
- Economic
- Social – universal design, visitability

### Fundamental Components of a Green and Healthy Home

- Lot Preparation and Design - Use of Land
- Resource Efficiency - Use of Materials
- Energy Efficiency - Use of Energy
  - Solar – active and passive
  - HVAC system
  - Insulation
  - Windows and doors
  - ENERGY STAR appliances
  - LED lighting
- Water Conservation - Use of Water
  - Toilets
  - Landscape
  - Showers
- Occupancy Comfort
  - Humidity control
  - Thermostat
  - Air movement – ceiling fans, HVAC fan
- Enhanced Indoor Air Quality
  - Not using building materials that emit VOC's.
  - Practices to eliminate toxic levels of radon gas from entering the home
  - Central vacuum systems
  - Hard surface flooring instead of carpet
  - HVAC filters
  - Controlled air exchange

### Green Kitchen Cabinets

- Environmentally Preferable Product - Recycled materials
- No added formaldehyde
- Incinerating VOC from the finishing operations
- Environmental Stewardship Program – certified

### Green Features of High Interest

- Low-flow touchless faucets
- Countertops
- Appliances
- Energy efficient roofing options
- Energy efficient flooring
- High efficiency toilets
- Cabinetry made from recycled materials



### **Most Highly Used Green Features by Builders**

- Air sealing/tight construction
- Increased insulation
- Water-reducing plumbing fixtures
- Energy Star windows
- Energy Star appliances
- HVAC
- Exterior doors
- Lighting
- Tankless water heaters

### **U. S. Green Building Council <https://www.usgbc.org/LEED/>**

**LEED** (Leadership in Energy and Environmental Design)

- Innovation & Design Process
- Location & Linkages
- Sustainable Sites
- Water Efficiency
- Energy and Atmosphere
- Materials and Resources
- Indoor Environmental Quality
- Awareness & Education

### **National Association of Home Builders**

**National Green Building Standard Program <http://www.homeinnovation.com/green>**

**<https://www.nahb.org/en/research/nahb-priorities/green-building-remodeling-and-development/icc-700-national-green-building-standard.aspx>**

- Site Design & Development
- Lot Design, Preparation & Development
- Resource Efficiency
- Energy Efficiency
- Water Efficiency
- Indoor Environmental Quality
- Operation, Maintenance & Building Owner Education

### **Health House Rating System <http://www.healthhouse.org>**

- Foundation waterproofing and moisture control
- Advanced framing techniques
- Air sealing and advanced insulation techniques
- Energy efficient, high performance windows
- Energy efficient and sealed combustion appliances
- High efficiency air filtration
- Whole house ventilation
- Humidity control
- Carefully selected and reviewed interior finishes

### **Marketing Homes with Green Building Features**

- Benefits vs. features
- MLS listings
- Marketing opportunities: website listings, signage