

### *Key Aspects to Green Remodeling*

#### **-Building Science**

Building Science is the study of the interaction between occupants, building components/systems, and environment. It focuses on flows of heat, air, and moisture.

#### **-Indoor Air Quality (IAQ)**

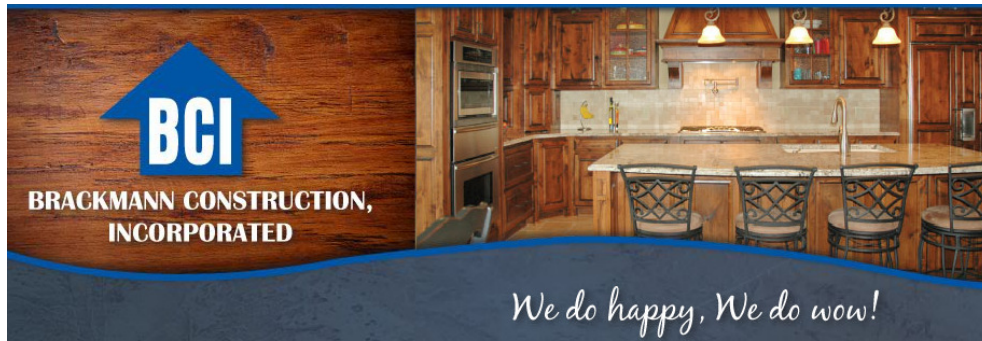
IAQ is the healthfulness of an interior environment. IAQ is affected by such factors as moisture and mold, emissions of volatile organic compounds, carbon monoxide, radon, etc.

#### **-Deconstruction vs. Demolition**

Deconstruction is the process of disassembling buildings to generate a supply of material suitable for reuse in other projects. Demolition means all materials will end up in the landfill. It is thought that 85-90% of construction disposal is recyclable. In the US, construction and demolition debris account for 20% of all landfill; 43% (58 million tons) of this is from residential construction, demolition, and renovation projects.

#### **-Renewable Energy**

Solar, wind, geothermal, and biomass energy.



### *Key Aspects to Green Remodeling*

#### **-Energy Efficient Appliances (Energy Star Rated)**

Energy Star qualified appliances incorporate advanced technologies that use 10-50% less energy and water than standard models.

#### **-Exterior Site Development (Landscape)**

Design to encourage outdoor activities, minimize outdoor water use, minimize heat island effects, protect the home foundation from moisture, and to support a connection with nature. Landscaping can also be used to provide shade, reducing the home's cooling load.