

five principles of sustainability



BuildingGreen[™]
COUNCIL OF CENTRAL OREGON

- **optimizing use of the sun**
 - design and orient the house to minimize summer afternoon solar heat gain, and optimize winter solar heat gain
 - integrate passive solar principles into your home design
 - integrate active solar hot water and/or electric panels
- **improving indoor air quality**
 - choose ventilation systems that remove dirt, dust, moisture, humidity, & pollutants
 - seal off the garage to eliminate fumes
 - select materials such as those w/o formaldehyde
 - use all low VOC (Volatile Organic Compounds) interior surfaces, paints, adhesives and cabinetry
- **using the land responsibly**
 - buy a smaller, more compact house on a lot that is located near work or public transportation
 - choose a neighborhood where houses are closer together
 - use organic pesticides and composts in your garden
- **creating high-performance and moisture-resistant homes**
 - use more durable and energy efficient materials
 - seal any gaps or cracks where moisture can get in and heat or cooling and leak out
 - use natural daylight with well placed windows, skylights, and solartubes
 - use compact fluorescent light bulbs
 - install zoned HVAC systems
 - add an energy recovery ventilator to your HVAC system
 - Install Energy Star rated household appliances
- **build an energy efficient envelope**
 - look for high levels of renewability, reusability, durability
 - use efficient building practices and engineered lumber to reduce waste
 - recycle building waste
 - use recycled materials or reclaimed wood products
 - install energy efficient windows and insulated doors
 - use third party envelope and duct work certification



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Green Building
It Brings Peace of Mind
Do it for your family, and the environment!

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