

### What is BUILT GREEN?

**BUILT GREEN** is an environmental building program designed to provide homebuyers with comfortable, durable, environmentally friendly homes that are cost-effective to own and operate. These resource-efficient homes are crafted to exceed building codes and provide homeowners with years of healthy, quality living, while protecting the precious Northwest environment.

Every **BUILT GREEN** home must meet green building standards developed by the Master Builders Association of King and Snohomish Counties in partnership with regional government and environmental groups. Each home builder completes a **BUILT GREEN** checklist identifying the specific green building features of the home. The program can certify several types of residential projects including:

- New single-family homes
- New multi-family homes
- Remodeling projects
- Community Developments

The **BUILT GREEN** logo is your assurance that the builder has certified your new home using Built Green standards and a Built Green checklist.

[www.builtgreen.net](http://www.builtgreen.net)

## Energy Performance for Comfort and Savings



(Left) This Built Green home has a 3kW photovoltaic array that returns electricity to the power grid. (Blip Design Architects of Seattle); (Right) A solar hot water collector on the roof of a Seattle Built Green home heats most of the domestic hot water for residents. (Sunshine Construction )

### Energy Performance Matters

**BUILT GREEN** homes can offer improved energy efficiency through well-designed heating, cooling, ventilation and hot-water systems and upgrades, building envelope, lighting, and appliances. With improved energy efficiency your family will enjoy:

- **Monthly Savings:** There are a lot of facets to home energy performance; different building techniques, materials, equipment. The **BUILT GREEN** program offers features that will save you money every month on your utility bills over a standard home.

- **Increased Comfort:** Excellent insulation, high quality windows, and an efficient, effective heating, cooling, and ventilation system will ensure that your home feels cozy

and warm on our cool damp winter nights, and cool and fresh when that summer sun shines.

- **Better Long Term Value:** An energy efficient home will maintain better value in a region where energy savings ranks as a top priority for homebuyers. It's an excellent investment.

- **A Cleaner World:** The electricity generated by fossil fuels for a single home puts more carbon dioxide into the atmosphere than two average cars. Enjoy the satisfaction of knowing your home is contributing to a cleaner, more secure future.

## Green Construction Details in an Energy Efficient Home

Conscientious contractors use energy efficient protocols beyond the State Energy Code to build your home, including:

- Advanced framing uses less lumber, but also provides a shell that allows better insulation of corners, headers (above doors and windows) and where walls intersect.
- Most places where air leakage occurs are hidden, so good sealing is important but often invisible. A blower-door test can help identify leaks or verify a tight seal. Ducts are an often overlooked source of leaks for conditioned air. Ducts should be sealed and if not located in conditioned space insulated.

- Good solar design allows winter sun to reach a 'thermal mass', such as a tiled floor, which holds the heat and radiates it into your space when it's needed. It also keeps the same sun from overheating that space in the summer through properly sized window overhangs and deciduous trees.
- A heat recovery system can capture heat from exhaust air or from drain water.
- High efficiency equipment will bear the ENERGY STAR® label.
- Added insulation in the attic, floor, and walls, along with high performance windows will maintain a comfortable space temperature.

## 10 Actions You Can Take for a More Energy Efficient Home

### During Construction:

1. Let your builder know that energy efficiency is a high priority for you and your family.
2. Refer to a BUILT GREEN checklist (online) and ask your builder to highlight actions they are taking to improve energy performance.

### Living in your Home:

3. Use a programmable thermostat to manage changing comfort needs during the day and night.
4. Weatherize your home by sealing leaks and insulating attics, floors and walls.
5. Clean and maintain your heating and ventilation systems as recommended by the manufacturer.
6. Buy ENERGY STAR® labeled products when purchasing lights, appliances, windows, and

equipment.

7. Reduce hot water usage with an efficient front loading washer, fixing leaks, and lowering the temperature in the hot water tank.
8. Seal your ducts with mastic and insulate them to R-11.
9. Turn out lights and turn off equipment when not in use.
10. Use solar design for controlling heat gain, light, water heating and generating electricity. It works— even in Western Washington!



Structural Insulated Panels (SIPs) offer an air-tight construction system.

**“Quadrant not only conforms to the state's stringent energy code but also offers you the choice of upgrading your entire new home to be fully ENERGY STAR® compliant. We'll show you how you can save on your utility bills each month.” - Quadrant Homes**

### For more information

- Your local utilities provide conservation tips and assistance, often including rebates on energy saving products. Visit them at:  
Snohomish PUD - <http://www.snopud.com>  
Puget Sound Energy - <http://www.pse.com>  
Seattle City Light - <http://www.seattle.gov/light>
- Energy Star® - <http://www.northwestenergystar.com>
- Solar Washington - <http://www.solarwashington.org>



**BUILT GREEN**  
Master Builders Association  
of King and Snohomish Counties  
335 116th Avenue SE, Bellevue WA 98004  
Phone (425) 451-7920 Fax (425) 646-5985  
[www.builtgreen.net](http://www.builtgreen.net)

