



Home Builders Association of Kitsap County

Improving Energy Performance and Value...For Your Family

Offering over 120 powerful ways to protect you and your environment.

BUILT GREEN is a network of architects, builders, subcontractors, suppliers, and real estate agents working together to improve your quality of life by providing quality homes that are cost effective to own and operate, protect your family's health and well being, and help preserve our beautiful Pacific Northwest environment.

This series of three fact sheets is intended to give a glimpse of the benefits of the 85 program features incorporated into the BUILT GREEN program.

Look for the logo Builders, architects, lending institutions, real estate brokers, and suppliers participating in the BUILT GREEN program display the logo in their advertising. Look for it to make sure you benefit from this national award-winning program.

Long-Lasting Quality and Value...For Your Family

Your BUILT GREEN home can incorporate special energy efficiency features that go beyond code. Your family will benefit from:

✓ Lower Energy Bills

A more energy-efficient home saves you money by reducing your monthly utility bills. It's an investment that starts paying off from the moment you move in.

✓ Increased Comfort

Energy-efficient homes are better insulated. As a result they are warmer in winter, cooler in summer. They are also quieter and less drafty. All this adds up to greater livability for you and your family.

✓ Higher Resale Value

Smart homebuyers look for energy-efficient homes when they shop for new homes. They know any extra cost now is money in the bank each month. Your home's extra energy efficiency will help it stand out from other homes on the market.

✓ Peace of Mind

Imagine the pleasure of providing your children with the extra coziness and quiet of an energy-efficient home. Add to that the confidence that by conserving energy resources you are doing what you can to maintain a cleaner, safer environment. Home Sweet Home takes on a whole new meaning.

Energy Features Available with BUILT GREEN

The BUILT GREEN program offers a variety of energy conserving options which will reduce your energy bills each month. These include:

- Insulation Upgrades
- HVAC Upgrades
- Air-to-Air Heat Exchanger
- Domestic Hot Water Heating Systems
- Compact Fluorescent Lighting
- Passive Solar Orientation
- Natural Light Tubes
- Air-Tight Sealing
- Energy-Saving Building and Landscaping Plans





Saving money at home

This 2400 square-foot BUILT GREEN home located in Hansville, Washington has 3 bedrooms, 2 1/2 baths, a water view, and a market value of \$249,000. It qualified for a three-star rating on the Build A Better Kitsap Program. The home would typically cost \$1,550 per year to heat. Computer modeling shows the special energy-efficient features used in the house will save the new homeowners \$750 a year. Over the life of a 30-year mortgage that amounts to \$24,000 in 1997 dollars. That's a good start on a college fund for your kids.

WATTSUN 5.5B		PROPOSED/COMPARISON REPORT		03/09/97	
FILE: A:\Pennyhill.WS			HOUSE ID: Pennyhill		
Skylights #1:	2gl Alum 1/2", Ar+LoE - WSEC	U-0.650	16.0	10.4	
Ceiling	R30 blown Attic STD baffled	U-0.036	2069	74.5	
Infiltration	R19 batt Vault vented 2x10 24oc	U-0.048	483	23.2	
	Standard Air Sealing	ACH-0.350	21173ft3 (135.6)		
		Comparison UA		612	
Struc Mass	Light Frame, Sheetrock walls	M- 3.000	2391	7173	
HEATING/COOLING/VENTILATING SYSTEMS					
Heating System Type:		PROPOSED	COMPARISON		
	Make:	Propane	Propane		
	Model:	American Standard	Carrier		
		AUY100R9V4A/	58GS025-BB/		
System Efficiency:	91 %		80 %		
Modified Efficiency:	70 %		65 %		
Design ACH:	0.60		0.60		
Design Load(at 44F dt):	30285 Btu/hr		38175 Btu/hr		
Duct Losses(% Dsn Load):	7657 Btu/hr (25%)		8907 Btu/hr (23%)		
Total Load:	37942 Btu/hr		47081 Btu/hr		
System Size(Output):	57000 Btu/hr (150%)		70500 Btu/hr (150%)		
Average Annual Heat:	57 MBtu		115 MBtu		
Annual Cost:	\$ 800		\$ 1550		
Ventilation System:	Air-to-air heat exchanger	Heat Recovery: OTHER			
	w/Forced Air Furnace				
Cooling System:	NONE				
SEER:	0.0 (Ducted)		0.0 (Ducted)		
Cooling Load(at -7F dt):	Btu/hr		Btu/hr		
System Size(%Over):	tons(#125%)		tons(#125%)		
Annual Cool Requirement:	kWh/yr		kWh/yr		
Solar Access:	Partially Shaded		Partially Shaded		
PROPOSED DUCT SYSTEM					
	Location	Avg Rvalue	Surface Area		
SUPPLY	Vented crawlspace	R- 8.0	478.2 ft2		
RETURN	Attic or garage	R- 8.0	95.6 ft2		

BUILT GREEN Homeowner Tips:

Some more ways to save energy in your new BUILT GREEN home:

- When selecting or replacing appliances, such as dishwashers, refrigerators, clothes washers and dryers, invest in the most energy-efficient models you can afford.
- Regularly maintain your heating and ventilation system per manufacturer's recommendations.
- Make sure you don't obscure south-facing windows with evergreen plantings.
- When remodeling, make sure your remodeling contractor uses the BUILT GREEN program.
- For more ideas, consult the certification checklist that was used to qualify your BUILT GREEN home.

More About BUILT GREEN

BUILT GREEN is a program of the Home Builders Association of Kitsap County that promotes the use of environmentally friendly features in new and remodeled homes. Funding for program development and implementation was provided through a grant from the Washington State Department of Ecology administered by Kitsap County Public Works. Homes enrolled in the program are rated by the Association based on the number of BUILT GREEN features included in the home. Construction projects meeting program standards are awarded a 1-, 2-, or 3-star rating certificate. A 3-star rating is the highest level of achievement.

For more information: Call the Home Builders Association of Kitsap County at 360-479-5778 or visit www.KitsapHBA.com to request a brochure describing the program overall, as well as a list of participating members. If you've already selected a builder, let them know you'd like to use the BUILT GREEN program's 120 program features to help plan the home of your dreams.