



ENERGY STAR[®] CERTIFIED NEW HOME

Builder Name: Habitat for Humanity
Permit Date/Number:
Home Address: 2010 23rd St
Everett, WA 98201

Rating Company: Green Dog Enterprises
Rater Identification Number: 9027245
Rating Date: 02/17/2017
Version: 3.1

Standard Features of an ENERGY STAR Certified New Home

Your ENERGY STAR certified new home has been designed, constructed, and independently verified to meet rigorous requirements for energy efficiency set by the U.S. Environmental Protection Agency (EPA), including:

Thermal Enclosure System

A complete thermal enclosure system that includes comprehensive air sealing, quality-installed insulation and high-performing windows to deliver improved comfort and lower utility bills.



Air Infiltration Test: **Htg: 2.00 Clg: 2.00 ACH50**

Primary Insulation Levels:

Ceiling: R-49.0 **FndWall: R-0.0**

AGWall: R-21.0 **Floor: R-30.0**

Primary Window Efficiency:

U-Value: 0.290, SHGC: 0.350

Water Management System

A comprehensive water management system to protect roofs, walls, and foundations.



Flashing, a drainage plane, and site grading to move water from the roof to the ground and then away from the home.

Water-resistant materials on below-grade walls and underneath slabs to reduce the potential for water entering into the home.

Management of moisture levels in building materials during construction.

Heating, Cooling, and Ventilation System

A high-efficiency heating, cooling system, and ventilation system that is designed and installed for optimal performance.



Total Duct Leakage:

NA

Duct Leakage to Outdoors:

NA

Primary Heating (System Type • Fuel Type • Efficiency):

Electric, Htg: 10.0 HSPF. Clg: 20.0 SEER.

Primary Cooling (System Type • Fuel Type • Efficiency):

Electric, Htg: 10.0 HSPF. Clg: 20.0 SEER.

Energy Efficient Lighting and Appliances

Energy efficient products to help reduce utility bills, while providing high-quality performance.



ENERGY STAR Qualified Lighting: **100%**

ENERGY STAR Qualified Appliances and Fans:

Refrigerators: 0

Dishwashers: 0

Ceiling Fans: 0

Exhaust Fans: 0

Primary Water Heater (System Type • Fuel Type • Efficiency):

Conventional, Electric, 0.93 EF, 50.0 Gal, R-10 wrap.

HERS[®] Index



The certificate provides a summary of the major energy efficiency and other construction features that contribute to this home earning the ENERGY STAR, including its Home Energy Rating System (HERS) score, as determined through independent inspection and verification performed by a trained professional. The home Energy Rating System is a nationally-recognized uniform measurement of the energy efficiency of homes.

Note that when a home contains multiple performance levels for a particular feature (e.g., window efficiency or insulation levels), the predominant value is shown. Also, homes may be certified to earn the ENERGY STAR using a sampling protocol, whereby one home is randomly selected from a set of homes for representative inspections and testing. In such cases, the features found in each home within the set are intended to meet or exceed the values presented on this certificate. The actual values for your home may differ, but offer equivalent or better performance.

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Learn more at www.energystar.gov/homefeatures



CERTIFIED NEW HOME

ENERGY STAR

Address:

**2010 23rd St
Everett, WA**

Built by:

Habitat for Humanity

Verified by:

Pam Worner

Date:

02/17/2017

ENERGY STAR® for Homes Version Number:

Version 3.1

Optional information:

HERS Index: 59

This home has been independently verified to meet EPA's strict
guidelines for energy efficiency.

Learn more at energystar.gov

Home Energy Rating Certificate

Property
Habitat for Humanity
2010 23rd St
Everett, WA 98201

HERS
Rating Type: Confirmed
Rating Date: 02/17/2017
Registry ID: 315992153

Certified Energy Rater: Pam Worner
Rating Number: 978

HERS Index: 59

General Information

Conditioned Area	1290 sq. ft.	House Type	Single-family detached
Conditioned Volume	10320 cubic ft.	Foundation	Enclosed crawl space
Bedrooms	3		

Mechanical Systems Features

Air-source heat pump:	Electric, Htg: 10.0 HSPF. Clg: 20.0 SEER.
Water Heating:	Conventional, Electric, 0.93 EF, 50.0 Gal, R-10 wrap.
Duct Leakage to Outside	NA
Ventilation System	Exhaust Only: 43 cfm, 10.0 watts.
Programmable Thermostat	Heat=Yes; Cool=No

Building Shell Features

Ceiling Flat	R-49.0	Slab	None
Sealed Attic	NA	Exposed Floor	R-30.0
Vaulted Ceiling	NA	Window Type	U-Value: 0.290, SHGC: 0.350
Above Grade Walls	R-21.0	Infiltration Rate	Htg: 2.00 Clg: 2.00 ACH50
Foundation Walls	R-0.0	Method	Blower door test

Lights and Appliance Features

Percent Interior Lighting	100.00	Range/Oven Fuel	Electric
Percent Garage Lighting	100.00	Clothes Dryer Fuel	Electric
Refrigerator (kWh/yr)	450	Clothes Dryer EF	3.01
Dishwasher Energy Factor	0.65	Ceiling Fan (cfm/Watt)	0.00

Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	11.8	\$114	15%
Cooling	0.8	\$7	1%
Hot Water	11.1	\$267	34%
Lights/Appliances	13.4	\$300	38%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$94	12%
Total	37.1	\$782	100%

Criteria

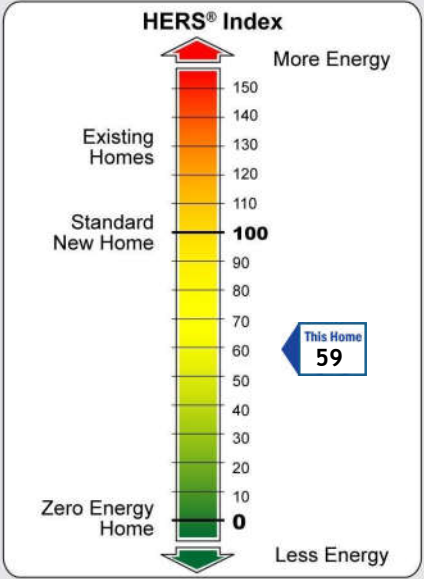
This home meets or exceeds the minimum criteria for the following:

TITLE
Company
Address
City, State, Zip
Phone #
Fax #

REM/Rate - Residential Energy Analysis and Rating Software v14.6.4

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The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

RESNET HERS Index Certificate



2010 23rd St
Everett, WA 98201
Rater: Pam Worner
Registry ID: 315992153
Annual Estimates*:
Elec(kWh): 9185
CO2 emissions(Tons): 1
Energy Savings (\$) **: 206
*Based on standard operating conditions
**Based on U.S. DOE designation of a HERS Index of 130 as the 'Typical Existing Home'

TITLE
Company
Address
City, State, Zip
Phone #

This home has been inspected and performance tested in accordance with Chapter 3 of the RESNET standards.

