

Building your new home

with Efficiency Vermont

Specifications & Incentives

Efficiency
Vermont

Where does *your project* fit in?

Requirements & Incentives	Efficiency Vermont Certified: Base Level	Efficiency Vermont Certified: High Performance Level
	<i>Above code requirements, third party verified</i>	<i>Exceptional comfort, resiliency, ultra low heating bills</i>
Appliances	ENERGY STAR® certified (refrigerator, dishwasher, and clothes washer)	
Slab edge insulation	R-15, 4 ft.	R-30 (slab on grade); R-20 (unheated, below grade)
Insulation under slab	R-15 under heated slab only	R-30 (slab on grade); R-20 (unheated, below grade)
Foundation wall insulation	R-15 continuous <u>or</u> R-20 cavity	R-30
Floor insulation (exposed)	R-38 cavity <u>or</u> R-30+5 (cavity + continuous)	R-40
Ceiling insulation	R-49 sloped <u>or</u> R-60 flat	R-60
Insulation installation	Grade II or better	Grade I
Wall insulation and band joist	R-20 cavity <u>or</u> R-13+10 (cavity + continuous)	R-40
Air leakage	≤ 3 ACH50	≤ 1 ACH50
	Comfort Bonus: Continuous wall insulation¹	
Ventilation	Whole house system, per code	Balanced whole house ventilation ²
	Comfort Bonus: Balanced whole house ventilation²	
Lighting	80% ENERGY STAR certified bulbs/fixtures	95% ENERGY STAR certified bulbs/fixtures
Windows	U-0.28 or less	U-0.21 or less
Doors	U-0.28 or less	U-0.25 or less
Heating and cooling equipment⁴	ENERGY STAR certified; Ducts fully in conditioned space; Programmable thermostat	ENERGY STAR certified; Ducts fully in conditioned space; Programmable thermostat ³
Water heating	Federal minimum standard	ENERGY STAR certified Rec: drain water heat recovery
Incentive	\$800 or \$400 + Home Energy Rating Certificate	\$2,000
	\$800 Bonus Comfort Package for meeting 3 shaded bonus requirements above	

Services Provided	Efficiency Vermont Certified: Base Level	Efficiency Vermont Certified: High Performance Level
Home Energy Rating Certificate with HERS	Optional	✓
Design review and consultation	✓	✓
Design meeting		✓
Preliminary energy rating		✓
Preliminary blower door test		✓
Thermal enclosure inspection (before drywall)	Site Visit Required (see Step 2 below)	
Vermont RBES certificate	✓	✓
Stretch Code assistance	✓	✓
Final verification including blower door test	Site Visit Required	

After you enroll your project

1. An Energy Consultant will be assigned to your project, and will contact you to provide technical assistance and conduct the required inspections.
2. The first required inspection happens after insulation but **before drywall goes up**. Please schedule this inspection at least a week in advance.
3. Once the home is complete, a final inspection—including a blower door test—will be conducted.



If you are interested in ENERGY STAR Homes certification, ask your Energy Consultant for details.

Vermont Gas Systems & Washington Electric Cooperative customers receive additional incentives. See back page for details. Incentives for projects within the city of Burlington are paid by Burlington Electric Department.

¹ Overall wall R-value varies by assembly detail; ask Energy Consultant for accepted strategies

² Heat/energy recovery systems must be installed within thermal envelope; comfort bonus requires a high-efficiency unit. Ask Energy Consultant for accepted strategies

³ Plus boilers min. 94% AFUE; Custom distribution and controls

⁴ Heat pumps must meet cold climate testing requirements. Qualifying units can be found at www.encyvermont.com/cchp-qpl

Additional Incentives

	Vermont Gas Systems Customers	Washington Electric Cooperative Customers
Completion incentive	\$600	\$500
Bonus	\$300 for drain water heat-recovery system	\$500 for heat or energy recovery ventilation system

NOTE: If you are already receiving incentives through another Efficiency Vermont or Vermont Gas Systems program for this project, you are **not** eligible for additional incentives.

Glossary of terms

ACH50

Air changes per hour at 50 pascals pressure difference between indoors and outdoors—a measure of a home's air tightness

HERS Index

Nationally-recognized score showing the home's overall energy efficiency with projected energy usage info. The HERS Index can be entered into the Real Estate Multiple Listing Service to document the home's efficiency (the lower the score, the better).

Grade I insulation

Air-permeable wall insulation enclosed on six sides; in full contact with enclosure; no gaps; less than 2% compression

Grade II insulation

Air-permeable wall insulation enclosed on six sides; in full contact with enclosure; less than 2% gaps and less than 10% compression (Grade II is less effective than Grade I)

R-value

Measures insulation levels (the higher the better)

RBES

Residential Building Energy Standards (a.k.a. Vermont energy code)

U-factor

Measures how well a material conducts heat (the lower the better)

EV-4123-0317-BDAX