

Building your new home

with Efficiency Vermont

Specifications & Incentives

Effective April 1, 2020

The logo for Efficiency Vermont, featuring the word "Efficiency" in a white sans-serif font above the word "Vermont" in a similar font. A white curved line underlines the "Vermont" text. The logo is positioned in the bottom center of the page, which has a dark blue background with a green curved shape above it.

Efficiency
Vermont

Where does **your project** fit in?

Requirements & Incentives	Efficiency Vermont Certified: Base	Efficiency Vermont Certified: High Performance
Appliances	ENERGY STAR® certified (refrigerator, dishwasher, and clothes washer)	
Slab edge insulation	R-15, 4 ft. (unheated slab on grade); R-15 (heated slab, full perimeter)	R-30 (slab on grade); R-20 (unheated, below grade)
Insulation under slab	R-15 under heated slab	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 I	
Wall insulation and band joist	Minimum R-5 continuous; total minimum R-26 ¹	R-40
Air leakage	≤ 2 ACH50	≤ 1 ACH50
Ventilation	High-efficiency fresh air system. Qualifying unit <i>must</i> be installed ²	High-efficiency fresh air system plus enhanced kitchen ventilation. Ask your energy consultant for details. Qualifying unit <i>must</i> be installed ²
Lighting	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; all distribution/ductwork fully in conditioned space ³ Heat pumps must be listed on NEEP's heat pump list ⁴	
Water heating	ENERGY STAR certified	
Bathroom water fixtures	At least 2/3 of all toilets, showerheads, and sink faucets meet WaterSense requirements	100% of all toilets, showerheads, and sink faucets meet WaterSense requirements
Incentive	\$2,500	\$3,000
All-electric bonus (see back for details)	\$1,000	\$1,000

Services Provided	Efficiency Vermont Certified: Base	Efficiency Vermont Certified: High Performance
Home Energy Rating Certificate with HERS Index	✓	✓
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	

Meeting the State of Vermont's Residential Building Energy Standards is required to receive incentives.

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 is completed, but **before any 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.

Washington Electric Cooperative and Vermont Gas Systems customers are eligible to 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 strategies that take moisture safety into account

² Unit must be installed within the thermal envelope and supply fresh air to all bedrooms at minimum. Ask Energy Consultant for full requirements for Base and High Performance levels. Qualifying units are listed at www.energycertification.com/hrv-erv. Please note that not all ENERGY STAR products qualify.

³ Boiler minimum 94% AFUE; boilers and furnaces must have programmable thermostats

⁴ Heat pumps must meet cold climate testing requirements. Qualifying units can be found at www.energycertification.com/heat-pump-system

⁵ The Electric Vehicle Ready Homes Guide is found at plugincc.com/resources.

Additional Incentive Details

	Vermont Gas Systems Customers*	Washington Electric Cooperative Customers
Completion incentive	\$600	\$1,000
Drain water heat recovery system	\$300	NA

*Cannot be combined with VGS heating and water heating system rebates.

All-electric bonus: Efficiency Vermont Certified Homes (off-grid without generator included, Income-Eligible ZEM excluded) that meet each of the following requirements qualify for a \$1,000 bonus:

- All-electric appliances
- No gas connection or fuel storage tank
- All-electric heating (heat pump), cooling, and domestic hot water equipment
 - Heat pump equipment sized to meet building heating load at 5°F – any resistance heating intended to supplement heating capacity at very low temperatures is disabled via controls above 5°F
 - Other supplemental resistance heat only allowed where permitted by RBES
 - Biomass is acceptable provided all-electric system can meet 100% of heating load at 5°F
- Electric Vehicle-Ready Level 2 outlet or charging station (240V, min. 40A) installed on site at parking location.

For sites with good solar access, rough-in for future photovoltaic (PV) panels is encouraged but not required.

If a charging station is not installed, dedicated service must be installed to the parking location and terminated in either a junction box or 240 plug (NEMA 6-50 or NEMA 14-50). [This guide](#)⁵ provides further details and recommendations for outlet/charger placement, lighting, etc.

Efficient product rebates: On qualifying appliances and devices. Ask your Energy Consultant for details.

Technical support: Enrollees who are not interested in or able to meet the Efficiency Vermont Certification requirements may contact the Energy Code Assistance Center at 1-855-887-0673 (toll-free).

Income assistance: Homeowners meeting income qualifications may be eligible for up to \$3,000 in additional Efficiency Vermont incentives. Ask your Energy Consultant for details.

EV-2185-0720-BDAX