2024 Vermont Residential Building Energy Standards (RBES) Certificate (Page 1 of 2)

This certificate is for projects started on or after July 1, 2024.

Before completing this form, refer to the instructions in Chapter 9 of the Residential Energy Code Handbook (Sixth Edition). For additions, alterations, renovations, or repairs, fill out only the applicable portions of certificate.

	Property Address (Street	t, City, ZIP Code)	
Construction START Date	Construction FINISH Date	Act 250 (Y/N)	Act 250 Permit #
# Units # S	Stories # Conditioned Sq. Ft.	# Bedrooms	
oundation Type: Basement	Slab On Grade	r	
Applicable	Code □ Base □ Stretch		
Project Des	cription		
☐ Single Fan	nily Renovation/Alteration*	Multi-family	tion* Tiny House
*Existing hom	e project description:		
	☐ Option 1: Package-Plus-Points BASE / STRETCH (circle one)	Option 2: RESch software	eck Option 3: HERS/ERI HERS Result (Overall)
Compliance Method	Package: Std. / Log / Tiny Hse. (circle one	(cannot be used for Stretch Code)	r HERS without Renewab
MUST select Option 1 ,	Points required:	,	HERS software used, vo
Option 2, or Option 3	Points achieved:(Base requires up to 10pts / Stretch up to	Passes UA result	Approved rater name:
	15pts; See Handbook Tables 5-2 and 5-5 Reference RBES for full requirements of each	5) Max. UA	-
	point option		(Maximum HERS 60 Base, 59 Stre
			a pramices listed have been constructed in
certify to	(Owner) that the above info	ormation is correct and that th	e premises fisted have been constructed in
	(Owner) that the above info		te premises fisted have been constructed in
accordance with the Vermont Re Date:	sidential Building Standards (RBES) created	d under 30 V.S.A. § 51.	
accordance with the Vermont Re Date: Signature:	sidential Building Standards (RBES) created Pr.	d under 30 V.S.A. § 51. inted Name:	
accordance with the Vermont Re Date: Signature: Company:	sidential Building Standards (RBES) created Pr. Ph	d under 30 V.S.A. § 51. inted Name:	
Date: Signature: Company: 30 V.S.A. § 51 requires this certinal visible location. Copies of the	Properties and the permanently affixed to the ne certificate (and Home Energy Rating Cert	d under 30 V.S.A. § 51. inted Name: inside electrical service panel ifficate if Option 3 is used) als	or heating or cooling equipment or nearby to must be provided to 1) the Dept. of Public
Date: Signature: Company: 30 V.S.A. § 51 requires this certina visible location. Copies of the Service, 112 State St., Montpelie	Properties and Proper	inted Name: inside electrical service panelificate if Option 3 is used) alswn where the property is loca	or heating or cooling equipment or nearby to must be provided to 1) the Dept. of Public ated.
Date: Signature: Company: 30 V.S.A. § 51 requires this certina visible location. Copies of the Service, 112 State St., Montpelie NOTE: Noncompliance with RB	Properties and the permanently affixed to the ne certificate (and Home Energy Rating Cert	inted Name: inside electrical service panelificate if Option 3 is used) alswn where the property is loca 30 V.S.A. § 51. This label does	or heating or cooling equipment or nearby to must be provided to 1) the Dept. of Public ated.
Date: Signature: Company: Out.S.A. § 51 requires this certina visible location. Copies of the Service, 112 State St., Montpelie NOTE: Noncompliance with RB QUESTIONS? CALL the Energy and the Control of the Control	Properties and the permanently affixed to the ne certificate (and Home Energy Rating Certer, VT 05602, and 2) the town clerk of the to BES may result in action for damages under 3	inted Name: inside electrical service panelificate if Option 3 is used) alswn where the property is loca 30 V.S.A. § 51. This label does	or heating or cooling equipment or nearby to must be provided to 1) the Dept. of Public ated.
Date: Signature: Company: 30 V.S.A. § 51 requires this certina visible location. Copies of the Service, 112 State St., Montpelie NOTE: Noncompliance with RB QUESTIONS? CALL the Energy Town clerk recording stamp:	Properties and the permanently affixed to the ne certificate (and Home Energy Rating Certer, VT 05602, and 2) the town clerk of the to BES may result in action for damages under 3	inted Name: inside electrical service panelificate if Option 3 is used) alswn where the property is loca 30 V.S.A. § 51. This label does	or heating or cooling equipment or nearby to must be provided to 1) the Dept. of Public ated.
Date: Signature: Company: Out.S.A. § 51 requires this certina visible location. Copies of the Service, 112 State St., Montpelie NOTE: Noncompliance with RB QUESTIONS? CALL the Energy and the Control of the Control	Properties and the permanently affixed to the ne certificate (and Home Energy Rating Certer, VT 05602, and 2) the town clerk of the to BES may result in action for damages under 3	inted Name: inside electrical service panelificate if Option 3 is used) alswn where the property is loca 30 V.S.A. § 51. This label does	or heating or cooling equipment or nearby to must be provided to 1) the Dept. of Publicated.

2024 Vermont Residential Building Energy Standards (RBES) Certificate Building Technical Details (Page 2 of 2)

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For additions, alterations, renovations, or repairs, fill out only the applicable portions of certificate.

For use with the Package Plus Points compliance method only:

Envelope: Slab, R-20 around perimeter and below entire slab (2 pts) Envelope: Walls-R-28 2x6 cavity insulation with continuous (1 pt) Envelope: Walls-R-36 double stud or similar (cavity and continuous) (2 pts) Envelope: Walls-R-40 double stud or similar (cavity and continuous) (3 pts) Envelope: Walls-R-40 double stud or similar (cavity and continuous) (4 pts) Envelope: Ceiling, R-60 flat / 49 sloped (1 pt) Envelope: Ceiling, R-60 flat / 60 sloped (2 pts) Envelope: Ceiling, R-60 flat / 60 sloped (2 pts) Envelope: Windows 0.27 (1 pt) Envelope: Windows 0.25 (2 pts) Envelope: Windows 0.25 (2 pts) Envelope: Windows 0.21 (3 pts) Envelope: Windows 0.18 (4 pts) Envelope: Windows 0.18 (4 pts) Envelope: Doors − exterior, 0.26 (1 pt) ≤0.11 CFM50/Sq-Ft.(−1.0 ACH50) (1 pt) ≤0.03 CFM50/Sq-Ft.(−0.5 ACH50) (3 pt) Balanced ventilation with ECM flans and ≥80% SRE and ≥1.2 cfm/watt (3 pts) Balanced ventilation with ECM flans and ≥80% SRE, and ≥2.0 cfm/watt (3 pts) Balanced ventilation with ECM flans and ≥75% SRE, and ≥2.0 cfm/watt (3 pts) Balanced ventilation testing (1 pt) ENERGY STAR basic equipment (1 pt) HVAC (whole building) ENERGY STAR v. 6 (5 pts) HVAC (whole building) is GSHP and ENERGY STAR labeled (10 pts) HVAC (whole building) is GSHP and ENERGY STAR labeled (10 pts) HVAC (whole building) is ATWHP COP≥2.5 (5 pts) Whole building heating/cooling is Advanced wood heating system (http://www.		ixtures (1 pt) ture shutoff (1 pt) recirculating system (1 pt) recess to data (1 pt) ign and construction decisions, an 0.5. (2 pts)
Thermal Envelope		
	Basement Insulation Depth (ft) U Basement Windows \(\subseteq \text{ NF} \) Heated Slab (Under) R Perimeter Slab Edge	FRC Default
Wall/Ceiling R Above-Grade Walls R	Flat Ceilings Area (sq ft) R Sloped Ceilings Area	a (sq ft)
Other R Floors over Unheated Spaces R Fenestration U Windows \square NFRC \square Default U	Attic Access Hatch / Door	Default
	CFM50 Date of test ACH50 Air Leakage Tester Name: CFM50/sq ft of building shell (6 sides)	
Ventilation System Balanced, SRE% cfm/watt: Supply airflow (total cfm): Other Combustion Safety (verify all)	Flow verification: Rated, OR Measured Exhaust airflow (total Flow verification: Rated, OR Measured Exhaust airflow (total Exhaust airflow).	l cfm)
☐ Exterior (outdoor) air supply is provided for solid fu☐ Solid fuel burning appliances & fireplaces have gask	el-burning appliances & fireplaces, OR	e or fireplace in home) ce or fireplace in home
Mechanical System (must complete all) □ Spillage testing conducted on combustion equipmed Design Load Calculation Method: □ ACCA Manual Calculation details: (Ref. RBES R302 for design tempound Winter design tempound or dry-bulb (VT range) □ Winter design temp, outdoor dry-bulb (VT range) Winter design temp, indoor (max 72°F) Heating design load, Btu/hr Primary heating system size, Btu/hr HSPF or COP or AFUE (circle which) System type (ducted, hydronic, heat pump, space heater) Fuel type □ Programmable thermostat, OR □ Exempt; list reason		No cooling No cooling No cooling No cooling No cooling No cooling
Ducts ☐ Ducts located within conditioned space	ces, OR NA (no ducts)	
Mandatory (Base and Stretch): ☐ Mechanical system ☐ 100% of lamps Mandatory (Stretch Code Only): ☐ Single-family:	Solar ready 25% of provided spaces not utilized by dwelling unit Level 2 capable EV-charging	ting space