

2020 Vermont Commercial Building Energy Standards (CBES) Certificate

This certificate is for projects whose state or local permit application was submitted on or after September 1, 2020.

Before completing this form, refer to the instructions

Site Address (Street, City, ZIP Code) _____

Construction START Date _____

Construction FINISH Date _____

Act 250 (Y/N): _____

Act 250 Permit # _____

Project Description: _____

Stories Above Grade _____

Stories _____

Building Sq. Ft. _____

Conditioned Sq. Ft _____

Compliance Methods

Option 1a: Chapter 5-Plus-Credits (see CBES for full requirements each point option)

(Must select option 1a, 1b, 2a, 2b or 3)

Option 1b: ASHRAE 90.1-2016 (with CBES amendments C401.2.1) Plus-Credits

Credits achieved: _____ Occupancy Group _____ (See Table C406.1 for credits and groups)

1 More efficient HVAC performance

2.1 Reduced lighting power: Option 1

2.2 Reduced lighting power: Option 2

3 Enhanced lighting controls

4 On-site supply of renewable energy

5 Dedicated outdoor air system

6.1 High-efficiency service water heating

6.2 High-efficiency service water heating

6.3 Heat pump water heating equipment

7 Enhanced envelope

8 Reduced air infiltration

9 Efficient kitchen appliances

10 Controlled Receptacles

Compliance Documentation required: COMcheck™ Software Vermont 2020 CBES Version

Option 2a: ASHRAE/IESNA Standard 90.1-2016 Energy Cost Budget Method

Compliance documentation requirements as noted in Section 11.7

Option 2b: ASHRAE/IESNA Standard 90.1-2016 Appendix G -Performance Rating Method (Review CBES amendments C401.2.1)

Compliance documentation requirements as noted in Appendix G

Option 3: Above Code Program

Contact Vermont PSD for approval of Above Code Program and documentation requirements

Air Sealing / Blower Door Test (if required) _____

CFM75/sq ft of building shell (6 sides)

Date of Test _____

Air Leakage Tester Firm and Testers Name: _____

Other Requirements Where applicable:

EV charging requirement: _____ # Total Parking Spaces: _____ # Total EVSE Equipped Parking Spaces: _____ # Total EVSE Ready Parking Spaces

I certify that the above information is correct and that the premises listed HAVE been **DESIGNED** in accordance with the Vermont Commercial Building Standards (CBES) created under 30 V.S.A. § 53.

Signature _____

Print Name _____

Company _____

Phone # _____

Date _____

I certify that the above information is correct and that the premises listed HAVE been **CONSTRUCTED** in accordance with the ordinary standard of care applicable to the participating construction trades, and that the subject commercial building was constructed substantially in accordance with the construction documents including the plans and specifications certified herein, and in accordance to 30 V.S.A. §53

Signature _____

Print Name _____

Company _____

Phone # _____

Date _____

30 V.S.A. §53 requires this certificate label to be permanently affixed to the inside electrical service panel or heating or cooling equipment or nearby in a visible location. In addition, affidavits **shall** accompany this certificate, certifying that the commercial construction meets the CBES requirements.

Copies of the certificate, affidavits and compliance documentation shall be provided to the Public Service Department, Division of Efficiency and Energy Resources, 112 State St., Montpelier, VT 05620-2601

NOTE: Noncompliance with CBES may result in action for damages under 30 V.S.A. §53. This label does not specify all 2020 CBES requirements.

QUESTIONS? CALL THE VERMONT PUBLIC SERVICE DEPARTMENT: 800-642-3281 (in state) OR 802-828-4056 (out of state)

The following supporting documentation shall accompany this certificate depending on which code compliance method was used:

Compliance Path	Required Compliance Documentation
2020 CBES (Chapter 4) <i>OR</i> ASHRAE 90.1-2016 (with CBES amendments as noted in Section 401.2.1) ¹	2020 VT CBES Version of COMcheck™ Software or COMcheck-Web™ Results Report, including, where applicable: ² <ul style="list-style-type: none"> • COMcheck Envelope Compliance Certificate³ • COMcheck Interior Lighting Compliance Certificate • COMcheck Exterior Lighting Certificate • COMcheck Mechanical Compliance Certificate • COMcheck Mechanical Requirements Description
ASHRAE/IESNA Standard 90.1–2016 Energy Cost Budget Method	All documentation as noted in Section 11.7 Documentation Requirements of ASHRAE 90.1-2016
ASHRAE/IESNA Standard 90.1–2016 Appendix G - Performance Rating Method	Compliance documentation requirements as noted in Appendix G
Above-Code Program	Contact Vermont DPS for approval of above-code program and required documentation.

1. If using ASHRAE 90.1-2016 as the compliance path, it is the responsibility of the designer to ensure that the project complies with CBES amendments noted in Section 401.2.1. COMcheck will check compliance against ASHRAE 90.1-2016, excluding the CBES amendments.

2. Addition/alteration/renovation/repair projects (as described in 2020 CBES Section C101.4.2) only need to include COMcheck compliance sections for building systems, or portions thereof, altered in the project.

3. Certain minimum cavity insulation R-values, published in 2020 CBES, when entered into COMCheck, may not register as a passing system. This may happen for certain combinations of assembly types and insulation values due to the calculation methods used in COMcheck. If this occurs, describe the assembly component and the 2020 CBES published minimum R-value in the COMcheck project notes.

2020 VT COMMERCIAL BUILDING ENERGY STANDARDS (CBES) CONSTRUCTION AFFIDAVIT

Site Address (street, town, ZIP Code)

County

Construction Start Date

Construction Finish Date

Project Description

N/A

Building Sq. Ft.

of Stories Above Grade

Act 250 Permit #

I certify the premise listed above has been constructed in accordance with the ordinary standard of care applicable to the participating construction trades, and that the subject commercial building was constructed substantially in accordance with the construction documents including the plans and specifications certified herein, and in accordance to 30 V.S.A. §53.

Signature

Print Name

Company

Phone #

Date

Subscribed and sworn to before me:

Signature of Notary

Date

Expiration Date

30 V.S.A. §53 requires this affidavit certifying that the commercial construction meets the CBES requirements. Copies of the affidavit and supporting documentation demonstrating code compliance shall be provided to the Public Service Department, Division of Efficiency and Energy Resources, 112 State St., Montpelier, VT 05620-2601

2020 VT COMMERCIAL BUILDING ENERGY STANDARDS (CBES) DESIGN AFFIDAVIT

Site Address (street, town, ZIP Code)

County

Construction Start Date

Construction Finish Date

Project Description

N/A

Building Sq. Ft.

of Stories Above Grade

Act 250 Permit #

I certify the premise listed above has been **designed** in accordance with the designer's professional duty of care, and that the building was designed in substantial compliance with the requirements of the Vermont Commercial Building Energy Standards (CBES) created under 30 V.S.A. § 53.

Signature

Print Name

Company

Phone #

Date

Subscribed and sworn to before me:

Signature of Notary

Date

Expiration Date

30 V.S.A. §53 requires this affidavit certifying that the commercial construction design meets the CBES requirements. Copies of the affidavit and supporting documentation demonstrating code compliance shall be provided to the Public Service Department, Division of Efficiency and Energy Resources, 112 State St., Montpelier, VT 05620-2601