Final Proposed Filing - Coversheet

Instructions:

In accordance with Title 3 Chapter 25 of the Vermont Statutes Annotated and the "Rule on Rulemaking" adopted by the Office of the Secretary of State, this filing will be considered complete upon filing and acceptance of these forms with the Office of the Secretary of State, and the Legislative Committee on Administrative Rules.

All forms shall be submitted at the Office of the Secretary of State, no later than 3:30 pm on the last scheduled day of the work week.

The data provided in text areas of these forms will be used to generate a notice of rulemaking in the portal of "Proposed Rule Postings" online, and the newspapers of record if the rule is marked for publication. Publication of notices will be charged back to the promulgating agency.

PLEASE REMOVE ANY COVERSHEET OR FORM NOT REQUIRED WITH THE CURRENT FILING BEFORE DELIVERY!

Certification Statement: As the adopting Authority of this rule (see 3 V.S.A. § 801 (b) (11) for a definition), I approve the contents of this filing entitled:

(signature)	, OII _	(date)
/s/ Dennis Blair	On	9/17/2025

Printed Name and Title:

Dennis Blair - DPS - Division of Fire Safety Chair - Vt. Electricians' Licensing Board Chief - Vt. State Electrical Inspector

2023 Vermont Electrical Safety Rules

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Coversheet
Adopting Page
Economic Impact Analysis
Environmental Impact Analysis
Strategy for Maximizing Public Input
Scientific Information Statement (if applicable)
Incorporated by Reference Statement (if applicable)
Clean text of the rule (Amended text without annotation)
Annotated text (Clearly marking changes from previous rule)
ICAR Minutes
Copy of Comments
Responsiveness Summary

1. TITLE OF RULE FILING:

2023 Vermont Electrical Safety Rules

2. PROPOSED NUMBER ASSIGNED BY THE SECRETARY OF STATE 25P023

3. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

4. PRIMARY CONTACT PERSON:

(A PERSON WHO IS ABLE TO ANSWER QUESTIONS ABOUT THE CONTENT OF THE RULE).

Name: Dennis Blair - Chair - Electricians' Licensing Board

Agency: Dept. of Public Safety-Division of Fire Safety

Mailing Address: 45 State Drive, Waterbury, Vermont 05671

Telephone: 802-760-7408 Fax: 802-479-4446

E-Mail: dennis.blair@vermont.gov

Web URL (WHERE THE RULE WILL BE POSTED):

https://firesafety.vermont.gov/

5. SECONDARY CONTACT PERSON:

(A SPECIFIC PERSON FROM WHOM COPIES OF FILINGS MAY BE REQUESTED OR WHO MAY ANSWER QUESTIONS ABOUT FORMS SUBMITTED FOR FILING IF DIFFERENT FROM THE PRIMARY CONTACT PERSON).

Name: Landon Wheeler - Deputy Director

Agency: Dept. of Public Safety-Division of Fire Safety

Mailing Address: 45 State Drive, Waterbury, Vermont 05671

Telephone: 802-479-7566 Fax: 802-479-444#

E-Mail: landon.wheeler@vermont.gov

6. RECORDS EXEMPTION INCLUDED WITHIN RULE:

(DOES THE RULE CONTAIN ANY PROVISION DESIGNATING INFORMATION AS CONFIDENTIAL; LIMITING ITS PUBLIC RELEASE; OR OTHERWISE, EXEMPTING IT FROM INSPECTION AND COPYING?) No

IF YES, CITE THE STATUTORY AUTHORITY FOR THE EXEMPTION:

N/A

PLEASE SUMMARIZE THE REASON FOR THE EXEMPTION:

N/A

7. LEGAL AUTHORITY / ENABLING LEGISLATION:

(The specific statutory or legal citation from session law indicating who the adopting Entity is and thus who the signatory should be. THIS SHOULD BE A SPECIFIC CITATION NOT A CHAPTER CITATION).

26 VSA 891

8. EXPLANATION OF HOW THE RULE IS WITHIN THE AUTHORITY OF THE AGENCY:

The Electricians' Licensing Board may, pursuant to the provisions of 3 V.S.A. Chapter 25 (Administrative Procedure Act), make and revise such electrical rules as necessary for the protection of public safety.

- 9. THE FILING HAS CHANGED SINCE THE FILING OF THE PROPOSED RULE.
- 10. THE AGENCY HAS INCLUDED WITH THIS FILING A LETTER EXPLAINING IN DETAIL WHAT CHANGES WERE MADE, CITING CHAPTER AND SECTION WHERE APPLICABLE.
- 11. SUBSTANTIAL ARGUMENTS AND CONSIDERATIONS WERE NOT RAISED FOR OR AGAINST THE ORIGINAL PROPOSAL.
- 12. THE AGENCY HAS INCLUDED COPIES OF ALL WRITTEN SUBMISSIONS AND SYNOPSES OF ORAL COMMENTS RECEIVED.
- 13. THE AGENCY HAS INCLUDED A LETTER EXPLAINING IN DETAIL THE REASONS FOR THE AGENCY'S DECISION TO REJECT OR ADOPT THEM.
- 14. CONCISE SUMMARY (150 words or Less):

The Proposed 2023 Vermont Electrical Safety Rules (VESR) will update the technical codes and standards, including the adoption of the 2023 edition of the National Electrical Code (NEC) also known as the National Fire Protection Association (NFPA) 70. This will better coordinate the license examination with the state apprenticeship program, establish an expiration date for a permit and a process for refunding permit fees. These rules also provide requirements for filing an electrical work notice, inspection and energizing procedures, details powers of enforcement and licensing disciplinary procedure.

15. EXPLANATION OF WHY THE RULE IS NECESSARY:

The National Electrical Code is used nationwide for electrical construction and maintenance. It is reviewed and updated every three years by the NFPA Technical

Committee. The periodic updating of the Vermont Electrical Safety Rules and the National Electrical Code is necessary to be consistent with other state's licensing, regulations, codes and recognize new technology. These rules are necessary to assist in maintaining a safe working and living environment that may be threatened by potential unsafe electrical installations and practices, by setting minimum code standards for Vermonters.

16. EXPLANATION OF HOW THE RULE IS NOT ARBITRARY:

The Vermont Electrical Safety Rules do not single out any one entity. These rules apply a fair and unbiased application of the Vermont Electrical Safety Rules to all entities in the State of Vermont that are subject to the application of electrical codes. The National Electrical Code is widely used, adopted and referenced throughout the United States, as the minimum code standard for electrical safety.

17. LIST OF PEOPLE, ENTERPRISES AND GOVERNMENT ENTITIES AFFECTED BY THIS RULE:

The fire service, property owners and the general public are affected by these rules with the reduction of fires and shock hazards. State and municipal government entities that own or operate buildings are affected by these rules in the same manner as private building owners. The updated code will assist electricians, engineers and architects with the purchase, specification, design and installation of electrical systems. Owner occupied, single family dwellings and working farms, defined under 20 VSA 2730 are not generally affected by the rule.

18. BRIEF SUMMARY OF ECONOMIC IMPACT (150 words or Less):

Updating the Vermont Electrical Safety Rules to include the most recent editions of the codes and standards will simplify electrical installation work and recognize new technology. These rules are not significantly different from the 2020 rules. Where rule changes have been made to improve public safety, there has not been a significant increase in cost for electrical installation work, however availability of components and materials may be a driver of increased costs. Changes have been made to the Vermont Electrical

Safety Rules to reduce costs where there is not an adverse effect. Electricians and others who work in the electrical trades may need to purchase the 2023 National Electrical Code at the cost of \$145.00 or subscribe to on-line access the National Electrical Code or other on-line subscription options.

19. A HEARING WAS HELD.

20. HEARING INFORMATION

(The first hearing shall be no sooner than 30 days following the posting of notices online).

IF THIS FORM IS INSUFFICIENT TO LIST THE INFORMATION FOR EACH HEARING, PLEASE ATTACH A SEPARATE SHEET TO COMPLETE THE HEARING INFORMATION.

Date: 7/25/2025 Time: 09:00 AM

Street Address: Alumni Hall - 20 Auditorium Hill, Barre

City, Vt

Zip Code: 05641

URL for Virtual: https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmYyODkzMTktOGFmZi00YTU2LWIxODMtMmRjNzhhOTk4NmVi%40thread.v2/0?context=%7b%22Tid%22%3a%2220b4933b-baad-433c-9c02-

70edcc7559c6%22%2c%220id%22%3a%22f2a98f94-150c-4576-a4a7-ed322ca44fa1%22%7d

Date:
Time: AM
Street Address:
Zip Code:
URL for Virtual:

Date:

Time: AM

Street Address:

Zip Code:

URL for Virtual:

Administrative Procedures Final Proposed Filing – Coversheet

Date:

Time: AM

Street Address:

Zip Code:

URL for Virtual:

21. DEADLINE FOR COMMENT (NO EARLIER THAN 7 DAYS FOLLOWING LAST HEARING):

8/5/2025

KEYWORDS (PLEASE PROVIDE AT LEAST 3 KEYWORDS OR PHRASES TO AID IN THE SEARCHABILITY OF THE RULE NOTICE ONLINE).

Vermont Division of Fire Safety - electrical and electricity

Electrical safety rules

Electrical code adoption

Electrical Licensing

Electrical Permits

Adopting Page

Instructions:

This form must accompany each filing made during the rulemaking process:

Note: To satisfy the requirement for an annotated text, an agency must submit the entire rule in annotated form with proposed and final proposed filings. Filing an annotated paragraph or page of a larger rule is not sufficient. Annotation must clearly show the changes to the rule.

When possible, the agency shall file the annotated text, using the appropriate page or pages from the Code of Vermont Rules as a basis for the annotated version. New rules need not be accompanied by an annotated text.

- TITLE OF RULE FILING:
 2023 Vermont Electrical Safety Rules
- 2. ADOPTING AGENCY: Vermont Electricians' Licensing Board
- 3. TYPE OF FILING (*Please choose the type of filing from the dropdown menu based on the definitions provided below*):
 - **AMENDMENT** Any change to an already existing rule, even if it is a complete rewrite of the rule, it is considered an amendment if the rule is replaced with other text.
 - **NEW RULE** A rule that did not previously exist even under a different name.
 - **REPEAL** The removal of a rule in its entirety, without replacing it with other text.

This filing is AN AMENDMENT OF AN EXISTING RULE

4. LAST ADOPTED (PLEASE PROVIDE THE SOS LOG#, TITLE AND EFFECTIVE DATE OF THE LAST ADOPTION FOR THE EXISTING RULE):

SOS log# 22-010 CVR 24 040 001. Vermont Electrical Safety Rules - 2020 Effective Date April 15, 2022

Economic Impact Analysis

Instructions:

In completing the economic impact analysis, an agency analyzes and evaluates the anticipated costs and benefits to be expected from adoption of the rule; estimates the costs and benefits for each category of people enterprises and government entities affected by the rule; compares alternatives to adopting the rule; and explains their analysis concluding that rulemaking is the most appropriate method of achieving the regulatory purpose. If no impacts are anticipated, please specify "No impact anticipated" in the field.

Rules affecting or regulating schools or school districts must include cost implications to local school districts and taxpayers in the impact statement, a clear statement of associated costs, and consideration of alternatives to the rule to reduce or ameliorate costs to local school districts while still achieving the objectives of the rule (see 3 V.S.A. § 832b for details).

Rules affecting small businesses (excluding impacts incidental to the purchase and payment of goods and services by the State or an agency thereof), must include ways that a business can reduce the cost or burden of compliance or an explanation of why the agency determines that such evaluation isn't appropriate, and an evaluation of creative, innovative or flexible methods of compliance that would not significantly impair the effectiveness of the rule or increase the risk to the health, safety, or welfare of the public or those affected by the rule.

1. TITLE OF RULE FILING:

2023 Vermont Electrical Safety Rules

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. CATEGORY OF AFFECTED PARTIES:

LIST CATEGORIES OF PEOPLE, ENTERPRISES, AND GOVERNMENTAL ENTITIES POTENTIALLY AFFECTED BY THE ADOPTION OF THIS RULE AND THE ESTIMATED COSTS AND BENEFITS ANTICIPATED:

The fire service, building owners and public are generally affected by these rules by reducing electrical fire and shock hazards. State, municipal and government entities that own or operate buildings are affected by these rules in the same manner as private building owners. The updated 2023 Vt. Electrical Safety Rules will assist electricians, engineers and architects with

the purchase, specification, design and installation of electrical work components. Owner occupied, single family dwellings and most working farms are not affected by the rule. The adoption of the 2023 Vt. Electrical Safety Rules, which includes the 2023 National Electrical Code is consistent with other states and electrical manufacturers. This will improve consistency and results in cost savings by avoiding costly change orders or retrofits. Electricians, who work in the electrical field, will need to purchase the 2023 National Electrical Code in paper or electronic format. Other electricians, who work in associated electrical fields, may need to purchase other adopted codes for these specialized areas. From a practical standpoint, many electricians purchase the most recent code editions as soon as they are published and available and adhere to these new codes, where applicable.

4. IMPACT ON SCHOOLS:

INDICATE ANY IMPACT THAT THE RULE WILL HAVE ON PUBLIC EDUCATION, PUBLIC SCHOOLS, LOCAL SCHOOL DISTRICTS AND/OR TAXPAYERS CLEARLY STATING ANY ASSOCIATED COSTS:

Electrical installation work in schools would be affected the same as for any commercial/public building. The impacts on schools would be increased electrical safety, protection of property and ensures consistent work scopes for budgeting.

5. ALTERNATIVES: Consideration of Alternatives to the Rule to Reduce or Ameliorate Costs to Local School districts while still achieving the objective of the Rule.

Alternatives would increase the risk to the safety of school property, students and the public as addressed in 3 V.S.A. Section 832a.

6. IMPACT ON SMALL BUSINESSES:

INDICATE ANY IMPACT THAT THE RULE WILL HAVE ON SMALL BUSINESSES (EXCLUDING IMPACTS INCIDENTAL TO THE PURCHASE AND PAYMENT OF GOODS AND SERVICES BY THE STATE OR AN AGENCY THEREOF):

The 2023 Vermont Electrical Safety Rules, as proposed for adoption, does have some requirements that are based on the size and use of a building being used as a Revised January 10, 2023

small business. For example, a small restaurant seating less than 100 people would not have to use the same wiring method and materials for an electrical installation that a restaurant seating more 100 people would have to use. Not having safety requirements for electrical installation work for small businesses would place people at risk from electrical shock and fire hazards. The overall impact is minimal.

7. SMALL BUSINESS COMPLIANCE: EXPLAIN WAYS A BUSINESS CAN REDUCE THE COST/BURDEN OF COMPLIANCE OR AN EXPLANATION OF WHY THE AGENCY DETERMINES THAT SUCH EVALUATION ISN'T APPROPRIATE.

The cost of compliance for a small businesses will have minimal impact and cost is relative directly to the amount and type of work being performed.

8. COMPARISON:

COMPARE THE IMPACT OF THE RULE WITH THE ECONOMIC IMPACT OF OTHER ALTERNATIVES TO THE RULE, INCLUDING NO RULE ON THE SUBJECT OR A RULE HAVING SEPARATE REQUIREMENTS FOR SMALL BUSINESS:

There are no alternative means or substitutes for codes and rules. Not having safety requirements for electrical work, for small businesses, would place people at risk with electrical shock hazards and buildings with the fire hazards. No oversight or required standards could result in poor or unsafe electrical installations that could result in damage or loss of property, personal injury or loss of life.

9. SUFFICIENCY: Describe How the Analysis was conducted, identifying Relevant internal and/or external sources of information used. These rules will have a minimal economic impact to small business operations and their everyday functionality. The general cost of electrical work projects will be based on labor costs, equipment and material costs. Labor costs should remain consistent with current regional trends. Component and material costs may vary based on availability, shipping costs and delays created by supply chain issues. The cost of updating to newer codes, as they are revised, is less expensive than adopting all new codes or awaiting serveral code cycles to lapse. Adopting the most

current codes and recognizing the latest technology, can in some cases, reduce cost associated with electrical installations. Historical data also proves the cost of adopting new electrical codes, recognizing and implementing new technology is far outweighed by the the impacts of damaged or lost property and injuries or the loss of lives.

Environmental Impact Analysis

Instructions:

In completing the environmental impact analysis, an agency analyzes and evaluates the anticipated environmental impacts (positive or negative) to be expected from adoption of the rule; compares alternatives to adopting the rule; explains the sufficiency of the environmental impact analysis. If no impacts are anticipated, please specify "No impact anticipated" in the field.

Examples of Environmental Impacts include but are not limited to:

- Impacts on the emission of greenhouse gases
- Impacts on the discharge of pollutants to water
- Impacts on the arability of land
- Impacts on the climate
- Impacts on the flow of water
- Impacts on recreation
- Or other environmental impacts

1. TITLE OF RULE FILING:

2023 Vermont Electrical Safety Rules

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

- 3. GREENHOUSE GAS: EXPLAIN HOW THE RULE IMPACTS THE EMISSION OF GREENHOUSE GASES (E.G. TRANSPORTATION OF PEOPLE OR GOODS; BUILDING INFRASTRUCTURE; LAND USE AND DEVELOPMENT, WASTE GENERATION, ETC.): There wouldn't be any negative impacts by adopting these rules. Prevention of electrical fires would reduce the amount of greenhouse gases released.
- 4. WATER: EXPLAIN HOW THE RULE IMPACTS WATER (E.G. DISCHARGE / ELIMINATION OF POLLUTION INTO VERMONT WATERS, THE FLOW OF WATER IN THE STATE, WATER QUALITY ETC.):

There wouldn't be any negative impacts by adopting these rules. Prevention of electrical fires would reduce the amount pollutants released into our waterways.

- 5. LAND: EXPLAIN HOW THE RULE IMPACTS LAND (E.G. IMPACTS ON FORESTRY, AGRICULTURE ETC.):
 - There wouldn't be any negative impacts by adopting these rules. Prevention of electrical fires would only reduce the negative impacts on our lands.
- 6. RECREATION: EXPLAIN HOW THE RULE IMPACTS RECREATION IN THE STATE: There wouldn't be any negative impacts by adopting these rules. Prevention of electrical shock hazards could only make it safer for recreation.
- 7. CLIMATE: EXPLAIN HOW THE RULE IMPACTS THE CLIMATE IN THE STATE:
 There wouldn't be any negative impacts by adopting these rules, in regard to the climate.
- 8. OTHER: EXPLAIN HOW THE RULE IMPACT OTHER ASPECTS OF VERMONT'S ENVIRONMENT:
 - There wouldn't be any negative impacts by adopting these rules. Electrical safety and fire prevention would only result in positive impacts on our environment.
- 9. SUFFICIENCY: DESCRIBE HOW THE ANALYSIS WAS CONDUCTED, IDENTIFYING RELEVANT INTERNAL AND/OR EXTERNAL SOURCES OF INFORMATION USED. Scientific and historical data supports the explanations given above.

Public Input Maximization Plan

Instructions:

Agencies are encouraged to hold hearings as part of their strategy to maximize the involvement of the public in the development of rules. Please complete the form below by describing the agency's strategy for maximizing public input (what it did do, or will do to maximize the involvement of the public).

This form must accompany each filing made during the rulemaking process:

1. TITLE OF RULE FILING:

2023 Vermont Electrical Safety Rules

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. PLEASE DESCRIBE THE AGENCY'S STRATEGY TO MAXIMIZE PUBLIC INVOLVEMENT IN THE DEVELOPMENT OF THE PROPOSED RULE, LISTING THE STEPS THAT HAVE BEEN OR WILL BE TAKEN TO COMPLY WITH THAT STRATEGY:

During the drafting of these proposed rules, the Electricians' Licensing Board has solicited and listened to comments from many affected parties, including licensed electricians, builders, contractors, supplyhouses and property owners. The proposed rules will be posted on the Department web page at (www.firesafety.vermont.gov) In addition, public hearing information will be delivered through the Division's various social media outlets and website.

4. BEYOND GENERAL ADVERTISEMENTS, PLEASE LIST THE PEOPLE AND ORGANIZATIONS THAT HAVE BEEN OR WILL BE INVOLVED IN THE DEVELOPMENT OF THE PROPOSED RULE:

The Vermont Electrical Safety Rules, which include the 2023 National Electrical Code, has been reviewed at the Electricians' Licensing Board meetings. The board consists of representation from Insurance companies, electric power utilities, Union electricians, Independent electricians, and electrical contractors. The state, municipal and private electrical inspectors

Public Input

have also reviewed and had given input in regards to the proposed rules. Information on this rule change will be posted on the Division of Fire Safety's website www.firesafety.vermont.gov, and distributed to stakeholders and affected parties by electronic means. The public hearing will include the opportunity to participate via phone, in person and by electronic means via Teams or Zoom.

Incorporation by Reference

THIS FORM IS ONLY REQUIRED WHEN INCORPORATING MATERIALS BY REFERENCE. PLEASE REMOVE PRIOR TO DELIVERY IF IT DOES NOT APPLY TO THIS RULE FILING:

Instructions:

In completing the incorporation by reference statement, an agency describes any materials that are incorporated into the rule by reference and how to obtain copies.

This form is only required when a rule incorporates materials by referencing another source without reproducing the text within the rule itself (e.g., federal or national standards, or regulations).

Incorporated materials will be maintained and available for inspection by the Agency.

1. TITLE OF RULE FILING:

2023 Vermont Electrical Safety Rules

2. ADOPTING AGENCY:

Vermont Electricians' Licensing Board

3. DESCRIPTION (DESCRIBE THE MATERIALS INCORPORATED BY REFERENCE):

NFPA 70, National Electrical Code - 2023 Edition; NFPA 73, Residential Electrical Code - 2021 Edition and NFPA 780, Lightning Protection Code - 2023 Edition

- 4. FORMAL CITATION OF MATERIALS INCORPORATED BY REFERENCE: NFPA 70, National Electrical Code 2023 Edition; NFPA 73, Residential Electrical Code 2021 Edition and NFPA 780, Lightning Protection Code 2023 Edition
- 5. OBTAINING COPIES: (EXPLAIN WHERE THE PUBLIC MAY OBTAIN THE MATERIAL(S) IN WRITTEN OR ELECTRONIC FORM, AND AT WHAT COST):

National Fire Protection Association, Fulfillment Center, NFPA 11 Tracey Drive, Avon, MA 02322-9910,1-800-344-3555. catalog.nfpa.org

NFPA 70 - \$145.00 NFPA 73 - \$157.00 NFPA 780- \$157.00 NFPA Members receive a 10% discount. These materials are also available for review at the Division of Fire Safety Central Office and each of their Regional Offices during normal business hours. NFPA is also available for review on-line at www.NFPA.org.

6. MODIFICATIONS (PLEASE EXPLAIN ANY MODIFICATION TO THE INCORPORATED MATERIALS E.G., WHETHER ONLY PART OF THE MATERIAL IS ADOPTED AND IF SO, WHICH PART(S)ARE MODIFIED):

Amendments to the National Electrical Code are contained in Section 5 of these rules. Many areas of the Rules have been edited for spelling, punctuation and miscellaneous corrections. Specific language has been added to clarify the of intent of the rules. The rules now offer definitions and recognizes electronic versions of licenses. The addition of websites and electronic forms throughout will aid users through self-help with electronic devices. A new standard formatting will be easier to follow electronically and easier to rewrite and make changes to the current 30 year old document.

Run Spell Check

Interagency Committee on Administrative Rules (ICAR) Minutes

Date/Time: June 9, 2025, 2:00 PM

Location: Virtually via Microsoft Teams

Members Present: Chair Nick Kramer, Diane Sherman, Jared Adler,

Jennifer Mojo, John Kessler, and Natalie Weill

Members Absent: Michael Obuchowski, and Nicole Dubuque

Minutes By: Melissa Mazza-Paquette

▶ 2:01 p.m. meeting called to order.

- Review and approval of minutes from the May 12, 2025 meeting.
- ▶ No additions/deletions to agenda. Agenda approved as drafted.
- ▶ Public comments made by Sylvia Knight pertaining to the first proposed rule.
- Presentation of Proposed Rules with recommended changes on pages to follow.
 - 1) Best Management Practices for the Use of Neonicotinoid Treated Article Seeds and Neonicotinoid Pesticides, Agency of Agriculture, Food & Markets
 - 2) 2023 Vermont Electrical Safety Rules, Department of Public Safety, Division of Fire Safety, Vermont Electricians' Licensing Board
 - 3) The 2025 Vermont Plumbing Rules, Department of Public Safety, Division of Fire Safety, Vermont Electricians' Licensing Board
 - 4) 2025 Vermont Fire & Building Safety Code, Department of Public Safety, Division of Fire Safety
 - 5) Health Benefits Eligibility and Enrollment Rule, General Provisions and Definition (Part 1), Agency of Human Services
 - 6) Health Benefits Eligibility and Enrollment Rule, Eligibility Standards (Part 2), Agency of Human Services
 - 7) Health Benefits Eligibility and Enrollment Rule, Nonfinancial Eligibility Requirements (Part 3), Agency of Human Services
 - 8) Health Benefits Eligibility and Enrollment Rule, Special Rules for Medicaid Coverage of Long-Term Care Services and Supports- Eligibility and Post-Eligibility (Part 4), Agency of Human Services



- 9) Health Benefits Eligibility and Enrollment Rule, Financial Methodologies (Part 5), Agency of Human Services
- 10) Health Benefits Eligibility and Enrollment Rule, Eligibility-and-Enrollment Procedures (Part 7), Agency of Human Services
- ▶ Other business: This is Melissa Mazza-Paquette's last ICAR meeting as she'll be leaving State government in July. Members thanked her for her time on ICAR, organization, and wished her well.
- ▶ Next scheduled meeting is July 14, 2025 at 2:00 p.m.
- ▶ 4:02 p.m. meeting adjourned.

To receive this information in an alternative format or for other accessibility requests, please contact:

Agency of Administration ADM.Secretary@vermont.gov, 802-828-3322



Proposed Rule: Best Management Practices for the Use of Neonicotinoid Treated Article Seeds and Neonicotinoid Pesticides, Agency of Agriculture, Food & Markets

Presented By: Zachary Szczukowski, David Huber, and Steve Dwinell

Motion made to accept the rule by John Kessler, seconded by Jared Adler, and passed unanimously with the following recommendations:

- 1) Economic Impact Analysis: Include information from #12 in the Proposed Filing Coversheet.
- 2) Public Input Maximization Plan #4: Include the Vermont Department of Environmental Conservation
- 3) Incorporation by Reference: Clarify specifically what's being incorporated.



Proposed Rule: 2023 Vermont Electrical Safety Rules, Department of Public Safety, Division of Fire Safety, Vermont Electricians' Licensing Board

Presented By: Dennis Blair and Landon Wheeler

Motion made to accept the rule by Diane Sherman, seconded by Jen Mojo, and passed unanimously with the following recommendations:

- 1) Choose either 'this rule' or 'these rules' and use the term consistently throughout the proposed rule filing.
- 2) Proposed Filing Coversheet:
 - a. #8: Move the last paragraph to the beginning to distinguish what the rule generally does and the subset of key changes being made.
 - b. #12:
 - i. Include in the Economic Impact Analysis.
 - ii. Clarify the language in the following sentence "Changes have been made to the Vermont Electrical Safety Rules to reduce costs where there is not an adverse effect."
 - c. #14: Add 'electrical' and 'electricity'.
- 3) Economic Impact Analysis #9: For clarity in the last sentence, move the word 'injuries' to after '...lost property,' and add 'of' between 'loss' and 'lives'.
- 4) Environmental Impact Analysis #4: Correct spelling of 'polutants'.
- 5) Public Input Maximization Plan:
 - a. #3: Change 'listen' to 'listened' in the first sentence.
 - b. #4:
- i. Include the Vermont Department of Health regarding any environmental impact (and include in the Environmental Impact Analysis if appropriate).
- ii. Remove the word 'had' in the third sentence.



Proposed Rule: The 2025 Vermont Plumbing Rules, Department of Public Safety, Division of Fire Safety, Vermont Electricians' Licensing Board

Presented By: John Hammer and Landon Wheeler

Motion made to accept the rule by John Kessler, seconded by Natalie Weill, and passed unanimously with the following recommendations:

- 1) Choose either 'this rule' or 'these rules' and use the term consistently throughout the proposed rule filing.
- 2) Proposed Filing Coversheet:
 - a. #3: Include the city and state in the mailing address.
 - b. #7: Include the statute of authority (perhaps Title 26, §2173).
 - c. #8: Highlight key changes.
 - d. #10: Add a period after "...any one entity" before "This rule applies a fair..." to separate the first and second sentences.
 - e. #11:
 - i. Change "Agency of Commerce & Community Council" to "Agency of Commerce and Community Development".
 - ii. Change "Division of Historic Preservation" to "Division for Historic Preservation".
 - iii. Remove "etc." at the end and change the beginning to read "This rule would mainly have an effect on...".
 - f. #12: Clarify language.
- 3) Economic Impact Analysis #7: Include further explanation for clarity.
- 4) Public Input Maximization Plan #4:
 - a. Clarify who initially provided comments.
 - b. Complete the last sentence.
- 5) Proposed Rule, Section 21 (A): Correct web links and contact information in the 4th paragraph on Page 19 to the following:
 - a. Drinking Water & Groundwater Protection Division https://dec.vermont.gov/drinking-water-and-groundwater-protection
 - b. Stormwater https://dec.vermont.gov/watershed/stormwater, 802-828-1115 (general Watershed Management Division phone number)



Proposed Rule: 2025 Vermont Fire & Building Safety Code, Department of Public Safety, Division of Fire Safety

Presented By: Landon Wheeler

Motion made to accept the rule by Jen Mojo, seconded by John Kessler, and passed unanimously with the following recommendations:

- 1) Proposed Filing Coversheet:
 - a) #8: Include the list of changes.
 - b) #11:
 - i) Change "Division of Historic Preservation" to "Division for Historic Preservation".
 - ii) Change "Department of Children & Families" to "Department for Children and Families".
 - c) #12:
 - i) List the economic impacts to those listed in #11.
 - ii) Be consistent with the Economic Impact Analysis.
 - d) Enivronmental Impact Analysis #8: Change "creed" to "created".



Proposed Rule: Health Benefits Eligibility and Enrollment Rule, General Provisions and Definition (Part 1), Agency of Human Services

Presented By: Dani Fuoco, Robin Chapman, and Emily Belanger

Motion made to accept the rule by Diane Sherman, seconded by Jen Mojo, and passed unanimously except for Natalie Weill who abstained, with the following recommendations:

- 1) Proposed Filing Coversheet:
 - a. #8: Spell out "FPL" and put the acronym in parentheticals.
 - b. #12: Identify and summarize the impact of those listed in #11.
- 2) Public Input Maximization Plan #3: Clarify that everybody that is subscribed to the register will get information, including members of the Medicaid and Exchange Advisory Committee.



Proposed Rule: Health Benefits Eligibility and Enrollment Rule, Eligibility Standards (Part 2), Agency of Human Services

Presented By: Dani Fuoco, Robin Chapman, and Emily Belanger

Motion made to accept the rule by Diane Sherman, seconded by Jared Adler, and passed unanimously except for Natalie Weill who abstained, with the following recommendations:

- 1) Proposed Filing Coversheet:
 - a. #8: Spell out "FPL" and put the acronym in parentheticals.
 - b. #12: Identify and summarize the impact of those listed in #11.
- 2) Public Input Maximization Plan #3: Clarify that everybody that is subscribed to the register will get information, including members of the Medicaid and Exchange Advisory Committee.



Proposed Rule: Health Benefits Eligibility and Enrollment Rule, Nonfinancial Eligibility Requirements (Part 3), Agency of Human Services

Presented By: Dani Fuoco, Robin Chapman, and Emily Belanger

Motion made to accept the rule by John Kessler, seconded by Jen Mojo, and passed unanimously except for Natalie Weill who abstained, with the following recommendations:

- 1) Proposed Filing Coversheet:
 - a. #8: Spell out "FPL" and put the acronym in parentheticals.
 - b. #12: Identify and summarize the impact of those listed in #11.
- 2) Public Input Maximization Plan #3: Clarify that everybody that is subscribed to the register will get information, including members of the Medicaid and Exchange Advisory Committee.



Proposed Rule: Health Benefits Eligibility and Enrollment Rule, Special Rules for Medicaid Coverage of Long-Term Care Services and Supports- Eligibility and Post-Eligibility (Part 4), Agency of Human Services

Presented By: Dani Fuoco, Robin Chapman, and Emily Belanger

Motion made to accept the rule by Jen Mojo, seconded by Diane Sherman, and passed unanimously except for Natalie Weill who abstained, with the following recommendations:

- 1) Proposed Filing Coversheet:
 - a. #8: Spell out "FPL" and put the acronym in parentheticals.
 - b. #12: Identify and summarize the impact of those listed in #11.
- 2) Public Input Maximization Plan #3: Clarify that everybody that is subscribed to the register will get information, including members of the Medicaid and Exchange Advisory Committee.



Proposed Rule: Health Benefits Eligibility and Enrollment Rule, Financial Methodologies (Part 5), Agency of Human Services

Presented By: Dani Fuoco, Robin Chapman, and Emily Belanger

Motion made to accept the rule by Jared Adler, seconded by Jen Mojo, and passed unanimously except for Natalie Weill who abstained, with the following recommendations:

- 1) Proposed Filing Coversheet:
 - a. #8: Spell out "FPL" and put the acronym in parentheticals.
 - b. #12: Identify and summarize the impact of those listed in #11.
- 2) Public Input Maximization Plan #3: Clarify that everybody that is subscribed to the register will get information, including members of the Medicaid and Exchange Advisory Committee.



Proposed Rule: Health Benefits Eligibility and Enrollment Rule, Eligibility-and-Enrollment Procedures (Part 7), Agency of Human Services

Presented By: Dani Fuoco, Robin Chapman, and Emily Belanger

Motion made to accept the rule by John Kessler, seconded by Jared Adler, and passed unanimously except for Natalie Weill who abstained, with the following recommendations:

- 1) Proposed Filing Coversheet:
 - a. #8: Spell out "FPL" and put the acronym in parentheticals.
 - b. #12: Identify and summarize the impact of those listed in #11.
- 2) Public Input Maximization Plan #3: Clarify that everybody that is subscribed to the register will get information, including members of the Medicaid and Exchange Advisory Committee.



	Rulemaking Public Comment Log (Electrical)						
	Name:	Agency/Affiliation:	Description:	Date Received:	Action Taken? (Y or N)	Date of Reply:	Reviewed (Y or N)
1	Jack Lyons	NEMA	Acknowledgement and mention of support	25-Jul-25	NO	25-Jul-25	YES
2	Claus Bartenstein	Engineering Svcs of Vermont	Removal of add section 210.12 (D)(2)	25-Jul-25	Υ	25-Jul-25	Υ
3	Jack Lyons	NEMA	Jack Lyons comment, a request for more clarity. The note was added for clarity, after that was explained to him, he understood and agreed the note for clarification was fine and no changes were needed. I have decided to remove the words "the" and "rule". Adding " maximum conductor length also" to the end of this note to show continuity from the article to note of clarification.	25-Jul-25	Y	25-Jul-25	Y

Moffatt, Benjamin

To: Blair, Dennis **Subject:** RE: Filing Changes

From: Blair, Dennis < Dennis.Blair@vermont.gov> Sent: Thursday, September 11, 2025 6:53 AM

To: Moffatt, Benjamin <Benjamin.Moffatt@vermont.gov>

Subject: Filing Changes

Good morning sir, I believe these were the only 2 that needed to be addressed.

Page 10 - Claus Bartenstein comment was a typo error on me; this line should have been removed.

-add- 210.12(D)(2): add number to first exception, now Exception No. 1, Branch Circuit Extensions or Modifications — Dwelling Units and Dormitory Units.

-add- 210.12(D)(2) Exception No. 2: AFCI protection shall not be required where the extension of the existing conductors is used solely to hardwire single station smoke and or CO alarms in an existing dwelling or dormitory unit.

Page 10 - 230.70 (A)(1) — Jack Lyons comment, a request for more clarity. The note was added for clarity, after that was explained to him, he understood and agreed the note for clarification was fine and no changes were needed. I have decided to remove the words "the" and "rule". Adding "maximum conductor length also" to the end of this note to show continuity from the article to note of clarification.

.....Emergency Service disconnects without overcurrent protection shall be limited to a the 10-foot-rule maximum conductor length also.

Dennis Blair

Vt Division of Fire Safety
Chief Electrical Inspector
Electricians' Licensing Board
Waterbury Regional Office
45 State Drive
Waterbury, Vt 05671
Cell (802) 760-7408
Fax (802) 479-4446
www.firesafety.vermont.gov
dps.licensing@vermont.gov



VERMONT

ELECTRICAL SAFETY RULES

2023

The Vermont Electricians' Licensing Board and the Vermont Department of Public Safety Division of Fire Safety

www.firesafety.vermont.gov

Effective Date: September 1, 2025

Revision notes

- Document has been reformatted from two columns on a page to single. This was done so that it may be read
 easier on electronic devices.
- 2) Grammar, punctuation, minor text formatting changes throughout.
- 3) Definitions pagewas added.
- 4) Additions/deletions to National Electrical Code (NEC) articles.
- 5) Extensive restructuring of chapter 7.
- 6) Text in underlined red = new and/or modified text.
- 7) Text in red with strike-through = deleted text and will not appear in the final publication.
- 8) New sections have N at the beginning of the first line. Deleted sections have at the beginning of the first line.
- 9) Information page added with helpful links. This page should not be adopted as part of the 2023 Vermont Electrical Safety Rules so that it may be added to and updated during the effective period of this document.

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N Informational page, not part of the Vermont Electrical Safety Rules 23

N DEFINITIONS

Public Building.

Title 20 chapter 173 Definitions 2730

Title 20 Chapter 174 Definitions 2900

Electricians and Electrical Installations

Title 26 chapter 15 Definitions 881 (3).

As used in this chapter, unless the context clearly requires otherwise:

- (1) "Board" means the Electricians' Licensing Board created under this chapter.
- (2) "Commissioner" means the Commissioner of Public Safety.
- (3) "Complex structure" shall include have the same meaning as the term "public building" as defined in 20 V.S.A. § 2900(8).
- (4) "Electrical inspector" (AHJ) means a State electrical inspector employed pursuant to section 915 of this title.
- (5) "Electrical installation" means wires, fixtures, or apparatus installed in a complex structure or at the construction site of such structure for the transmission and use of commercially supplied or privately generated electrical energy.
- (6) "Electrician's helper" means a person assisting in the construction, installation, or repair of an electrical installation under the direct supervision of a master or journeyman electrician who is present at the work site. Not currently enrolled in the apprenticeship program.
- (7) "Legislative body" means the selectboard of a town, the board of aldermen or city council of a city, or the board of trustees of an incorporated village.
- (8) "Municipal inspector" means an electrical inspector authorized to conduct municipal inspections pursuant to section 898 of this title.
- (9) "Registered apprentice" means an apprentice registered with the Apprenticeship Division of the State Department of Labor for electrical training.
- (10) "Work notice" means (the Electrical Work Notice (EWN))

1. PURPOSE OF THERULES

The purpose of these rules is to protect the people of the State of Vermont from the risk of fire or electrocution from unsafe electrical installation, by the adoption and enforcement of nationally recognized safety codes and by the licensure, education and training, of people doing electrical installation work. The State of Vermont's law regarding electricians and electrical installations (Chapter 15 of Title 26, Vermont Statutes Annotated) is referenced in Annex I. Further information about these rules and their application may be obtained from the:

Division of Fire Safety 45 State Drive Waterbury, VT 05676-1597 Telephone: 802-479-7561

Website: www.firesafety.vermont.gov

2. ADOPTION OF THE RULES

- (a) These rules are adopted by the Commissioner of Public Safety and the Electricians' Licensing Board pursuant to 26 V.S.A. Chapter 15, to license people doing electrical work and to adopt and enforce nationally recognized safety codes.
- (b) Existing electrical installations that do not comply with the provisions of these rules shall be permitted to be continued in use unless the authority having jurisdiction determines that the lack of conformity with these rules presents an imminent danger. Where changes are required for correction of hazards, a reasonable amount of time shall be given for compliance, depending on the degree of the hazards.
- (c) These rules do not apply to:
- (1) The construction, installation, operation, repair or maintenance of electrical installations which are used by a public utility in rendering its authorized service, including communications, metering, generation, control, transformation, transmission or distribution of electric energy; nor to the installation, operation, repair and wiring associated with telecommunication services and equipment used for the transmission of information by electricity regardless of the location of such electrical installations, equipment or facilities.
- (2) Electrical installations in ships, aircraft, pipeline systems, railway rolling stock, automotive equipment, or portable sound equipment.
- (3) The manufacture, testing or repair of electrical equipment in the plant of the manufacturer of the equipment.
- (4) The construction repairs or maintenance of buildings used exclusively for agricultural purposes on owner occupied farms, <u>as defined by 20 VSA 2730.</u>
- (5) Manufactured or mobile homes owned by the occupant and located on leased land or in a mobile home park. The rules do apply to the electrical service and feeder for such units.
- (6) A single-family owner-occupied dwelling. This does not exempt single family rentals or accessory dwelling units (ADU's) used as rentals, short term or long term, as defined by State statute 20 VSA 2730.

N = New material • = Deleted section

3. ELECTRICAL LICENSING

N Division of Fire Safety Electrical Licensing 45 State Drive

Waterbury, VT 05671 Phone: 802-479-7564

Email: DPS.DFSLicensing@vermont.gov Link to current licensed electricians

With limited exceptions, anyone performing electrical work in the State of Vermont, other than in a residential building containing two or fewer dwelling units or electrical work regulated under the National Electrical Code, article 800, Communications Circuits, is required to be licensed as an electrician. The exceptions to the licensing requirement are contained in 26 V.S.A. § 910, which is reference in Annex I.

An elevator or lift mechanic licensed in accordance with 21 V.S.A. § 145 is permitted to install, alter or maintain electrical wiring required for an elevator or lift beginning after the main electrical disconnect for the elevator or lift. The main disconnect for the elevator or lift and building wiring and devices associated with an elevator or lift, such as electrical lights, receptacles and fire alarm devices are required to be installed by an electrician licensed under this section.

To become licensed to do electrical work in the State of Vermont an applicant must meet the requirements established by the following sections:

3.1 MASTER ELECTRICIAN

- (a) To be eligible for licensure as a master electrician, an applicant shall:
- (1) have been licensed as, and working as, a journeyman electrician under this chapter for at least two years; or
- (2) have had comparable experience and training, within or without this state, acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.
- (b) Upon successful completion of the examination and payment of the required fees, the applicant shall receive a master electrician's license in the form of a wallet-size card. This license or an electronic version accompanied by photo identification, shall be carried by the master electrician at all times while performing his or her trade and shall be displayed upon request. Upon the request by the licensee and upon payment of the required fee, the board shall issue a license certificate suitable for framing.
- (c) A person licensed under this chapter as a master electrician is entitled to design, install, repair, maintain and replace electrical installations including work in the specialty fields designated in Section 3.3 of these rules, as his or her principal business or in the course of another business conducted by him or her, and may employ other persons licensed under this chapter or electrician's helpers to perform work in connection with electrical installations under his or her direction.

In the case of an apprentice or helper, "<u>superviseunder his or her direction</u>" means either that the master is physically present on the work site and is immediately available to direct and supervise that apprentice or helper, or that a journeyman under the master's direction is immediately available to direct and supervise that apprentice or helper.

3.2 JOURNEYMAN ELECTRICIAN

(a) To be eligible for licensure as a journeyman electrician an applicant shall:

N = New material • = Deleted section

- (1) provide verification by the Vermont apprenticeship council of completion of an apprenticeship in electrical wiring which included both instruction and practice in work processes; or
- (2) have had equivalent training acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.
- (b) The board may approve an applicant who has completed the instruction portion of the apprenticeship program to take the examination prior to completion of the practice in work experience. Where an applicant has successfully completed the examination, but not the practice in work experience, a license shall not be issued until the practice in work experience portion of the apprenticeship program has been completed.
- (c) Upon successful completion of the examination and payment of the required fees, the applicant shall receive a journeyman electrician's license in the form of a wallet-size card. This license or an electronic version accompanied by photo identification, shall be carried by the journeyman electrician, at all times, while performing his or her trade and shall be displayed upon request. Upon request by the licensee and payment of the required fee, the board shall issue a license certificate suitable for framing.
- (d) A person licensed under this chapter as a journeyman electrician is entitled to perform electrical installations under the direction of a master electrician or a type-s journeyman in connection with that specialty field and may supervise an apprentice electrician or an electrician's helper employed by a master electrician under the master electrician's direction. In the case of an apprentice or helper, "supervise" means that the journeyman <u>electrician</u> is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.

3.3 TYPE-S JOURNEYMAN ELECTRICIAN

- (a) To be eligible for licensure as a Type-S Journeyman an applicant shall:
- (1) Complete an accredited training and experience program recognized by the board; or
- (2) Have had training and experience, within or without this state, acceptable to the Board; and
- (3) Pass an examination to the satisfaction of the board in one or more of the following specialty fields:

N License Description of specialized competence

(A1)	Automatic gas or oil heating, including geo-thermal, ground source heat pumps	
(B2)	_Outdoor advertising	
(C3)–	Refrigeration or air conditioning, <u>air to air heat pumps.</u>	
(D4)	Appliance and motor repairs	
(E5)	Well pumps.	
(F6)	Farm Equipment.	
(G7)	Any miscellaneous specified area of specialized competence. This class includes:	
(G7) c	Commercial fire alarmsystems	
(G7)g_Gas pump installation, including electrical work involving a canopy over gas pumps, and bulk plant work		
(G7) k	Electrical lock installation including delayed egress and access control	
(G7) -l	Lightning rod installation	
(G7) s	Solar installation	

- (b) Upon successful completion of the examination and payment of the required fee<u>s</u> for each field in which Δ a license is to be issued, the applicant shall receive a license in the form of a wallet-size card.—which This license or an electronic version accompanied by photo identification shall be carried by the Type-S Journeyman Electrician at all times—while performing his or her trade and shall be displayed upon request. Upon request of the licensee and upon payment of the required fees, the board shall issue a license certificate suitable for framing.
- (c) A person licensed under this Chapter as a Type- S Journeyman Electrician is entitled to design, install, repair, maintain and replace electrical installations as an employee or an independent contractor only in connection with the specialty field designated on the person's license, and may only install branch circuits from the existing electrical service. A Type-S Journeyman Electrician may employ other persons licensed under this chapter and may supervise an apprentice or an electrician's helper. In the case of an apprentice or helper, "supervise" means that the Type-S journeyman is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.
- (d) No person, other than a licensed master electrician, shall engage in the business of installing lightning rods, fire alarms or fire detection equipment or systems for another unless that person holds an appropriate type-s journeyman electricians' license, issued by the Board under this section.

3.4 APPLICATION, EXAMINATIONS AND FEES

(a) Each applicant for a license shall submit to the board, on forms furnished by it, a written application containing such relevant information as the board may require, accompanied by the required examination fee. The examination fee shall be established by the board but shall be no greater than the cost associated with administering the examination. The examination fee may be paid directly to a testing agency under contract to provide examinations for the board.

[Note: The current examination fee is \$65-80 for the standard test, or \$100-80 for the computer based test, paid directly to the contracted testing agency Prov.]

- (b) Examinations—shall may be conducted in writing or computer based and shall include a practical skills examination. The examination—shall will cover theoretical and practical aspects of electrical work, together with pertinent laws and rules. In addition, the master electrician's examination shall contain questions on all specialty fields designated for type-s journeyman electricians.
- (c) The board, in determining the qualifications of an applicant for a license, may in its discretion give recognition, in the case of an application for a master's license, to the applicant's experience as a licensed journeyman in another state, or in the case of an application for a journeyman's license, to an apprenticeship served in another state, or may otherwise give recognition to experience or prior qualifications.
- (d) The approval to of an applicant to take the required examination for the license to take the required examination is valid for three years from the date of the approval by the board.
- (e) An applicant who fails the examination may, upon payment of the required fees to the testing agency, retake the exam up to 3two more times. Where an applicant has failed the third attempt, the applicant may reapply with a new application, additional fees and approval of the Board. The bBoard shall require that an applicant obtains a minimum of 8 hours of education on the National Electrical Code, National Fire Alarm Code or an exam prep course before retaking the exam.
- (f) A person to whom a master electrician's license or a journeyman electrician's license has been previously issued by another state, held in good standing for 3 years, whose standards are equivalent to those of this state, if under the laws or regulations of the state issuing the license a similar privilege is granted to electricians licensed under the

laws of this state, shall be issued a <u>reciprocal Universal</u> license without examination upon payment of the required fees.

[Note: Reciprocal agreements include for residents of New Hampshire and Maine obtaining licenses in Vermont remain in place.]

N [Note: Vermont has joined the National Electrical Reciprocal Alliance. An electrical license held in a NERA member state shall be held and in good standing for 1 year in order to apply for a Vermont electricians license. See the NERA website for a current list of member states. https://www.nerastates.org/]

(g) Electrical license fees are established by the Vermont Legislature. Refer to §905 located at site below for fees; http://legislature.vermont.gov/statutes/chapter/26/015

3.5 RENEWAL OF LICENSE

- (a) All licenses expire on the last day of a month designated by the board. A license shall be valid for three years. A notice of renewal and application for renewal is sent to each licensee prior to the expiration of the license. The signed application for renewal, the certification of continuing education and the appropriate fee must be returned prior to the date that the license expires. The board shall renew the license of a person holding a valid license issued under this chapter on receipt of an application for renewal, certification of continuing education, child support certification, tax certification and the required fee, on or before the expiration date of his license.
- (b) All journeyman and master electricians shall, as a condition of license renewal, complete 15 hours of instruction, approved by the board, on the National Electrical Code during the preceding 36 month period. All holders of a type-S journeyman license shall, as a condition of renewal, complete eight hours of instruction, approved by the board, on the subject of the about the license holder's specialty during the preceding 36 month period.

A person who is licensed in more than two fields of specialized competence shall not be required to complete more than a total of 15 hours of instruction. <u>Exception: A person licensed only as a Type S A1 and C3 shall not be required to complete more than 8 hours of continuing education.</u>

All licensees are required to complete the Vermont Energy Goals Module found on the Division of Fire Safety website.

Vermont Energy Goals Education

- (c) If a license is allowed to lapse it may be renewed within one year of its expiration date by the with a late fee of \$25.00 in addition to the renewal fee. A licensed electrician whose license has lapsed shall not accomplish any unsupervised electrical installation work covered by these rules until the license has been renewed. Where a license is required, work notices will not be processed/issued for an expired license.
- (d) If a license is not renewed within one year of its expiration date the inactive licensee shall—make submit an application for a new license and shall follow the appropriate licensing procedure. The Board may waive the requirement for re-examination where there is an undueundue hardship or other unusual circumstance.

3.6 REVOCATION, SUSPENSION AND REFUSAL OF RENEWAL OF LICENSE

- (a) The board, after notice to the licensee and opportunity for hearing, may revoke or suspend a license issued under this chapter, or refuse to renew the license of a person who has made application for renewal:
- (1) If the license was wrongfully or fraudulently obtained.
- (2) If the licensee has violated or failed to comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules.
- (3) If the licensee is found by the board to be unqualified to hold the license.

N (4) If the license was issued in error.

- (b) The board, after notice and opportunity for hearing, may take alternative actions against a license holder which is less severe than revocation, suspension or refusal to renew a license, including but not limited to formal reprimand, additional required education, conditions on electrical installation, etc. The Board may act:
- (1) If the license was wrongfully or fraudulently obtained.
- (2) If the licensee has violated or failed to comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules.
- (3) If the licensee is found by the board to be unqualified to hold the license.
- (c) The Board will proceed with initiating a complaint against a licensee, investigation of the complaint, action and hearings as described in Section 9.
- (d) A person may file a complaint with the Board by doing so in writing, setting forth a full statement of the facts concerning the alleged infraction of the electrician's licensing law or rules. In the event a complaint is filed with the Board, the Board's investigation shall not be limited to the matter set forth in the request for investigation but may extend to any act coming to the attention of the board which appears to violate the law or these rules.

For licensing information please contact: dps.dfslicensing@vermont.gov

4. DUTIES OF THELICENSEE

- (a) Any person who has obtained an electrical license under these rules shall:
- (1) Not install, repair or maintain electrical conductors and equipment in a manner which is likely to be unsafe to people and property.
- (2) Observe these rules regarding all electrical installation, repair or maintenance work, and supervision of unlicensed employees.
- (3) Not begin electrical work until a work notice for the work has been validated.
- (4) Notify the Division of Fire Safety of <u>any changes in contact information</u>, <u>mailing address</u>, <u>e-mail address and phone number</u>. Your renewal notices and license renewals rely on the accuracy of these. Address correction forms <u>can be found at: License Address Change Request</u>
- (b) Any licensed electrician who has filed a work notice shall:
- (1) Keep records which outline who have accomplished the work covered under the work notice.
- (2) Provide at least 5 working days' notice to the electrical inspector for any required inspection.
- (3) Provide access for the electrical inspector to all electrical work and records subject to inspection.

N(4) Notify the assigned inspector upon completion of work and schedule rough and final inspections.

5. ADOPTION OF NATIONALLY RECOGNIZED SAFETY STANDARDS

(a) The Electricians' Licensing Board, for the purpose of making rules regarding the safeguarding of persons and property from hazards arising from the use of electricity adopts the following standards per the specific edition.

N = New material • = Deleted section

- -delete & replace- 210.8(A)(10-11) Laundry areas and rooms- GFCI protection shall be required for receptacles installed within 6 feet (1.8 m) of a washing machine or sink.
- •-delete & replace- 210.8 (A) Dwelling Units. All readily accessible 125-volt through 250-volt receptacles installed inthe locations specified in 210.8(A)(1) through (A)(11) and supplied by single-phase branch circuits rated 150 volts or less to ground shall have ground-fault circuit- interrupter protection for personnel.
- •-delete & replace- 210.8(B) Other than Dwelling Units. All readily accessible 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150 volts or less to ground. 50 amperes or less, and all receptacles supplied by three phase branch circuits rated 150 volts or less to ground, 100 ampere or less, installed in the locations specified in 210.8(B)(1) through (B)(12) shall have ground fault circuit-interrupter protection for personnel-
- •-add-210.8(F) Outdoor Outlets: All readily accessible outdoor outlets for dwellings, other than those covered in 210.8(A)(3) exception (3) that are supplied by single phase branch circuits rated for 150 volts to ground or less, 50 amperes or less, shall have ground fault circuit interrupter protection installed for safety of personnel.
- <u>●</u>Per NFPA TIA 20-13 "This requirement shall become effective on January 1, 2023 for mini-split-type heating/ventilating/air conditioning (HVAC) equipment and other HVAC units employing power conversion equipment as a means to control compressor speed"

N-add 210.8(F) Exception No. 3: Exempted are water wells, sewer discharge pumps and hardwired electric vehicle chargers with integral GFCI protection and properly terminated equipment grounding conductor.

N-add-General Note: A Nationally Recognized Testing Laboratory (NRTL), "Manufacturer's Listing" regarding the use of AFCI and/or GFCI protection for appliances, people and property may be allowed to supersede this code under the following: supporting documents are submitted to the AHJ, additional labeling is provided, a single receptacle is utilized (where applicable), the replacement of that appliance or the alteration of the branch circuit will require compliance with the current NEC code and a NEMA unwanted tripping report form is filed with the manufacturer. Nuisance or unwanted tripping will be handled by the AHJ on a case-by-case basis.

- •-add- 210.12(D)(2): add number to first exception, now Exception No. 1, Branch Circuit Extensions or Modifications
 Dwelling Units and Dormitory Units.
- -add- 210.12(D)(2) Exception No. 2: AFCI protection shall not be required where the extension of the existing conductors is used solely to hardwire single station smoke and or CO alarms in an existing dwelling or dormitory unit.
- -delete and replace as follows article 230.70(A)(1)
- (1) Location. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure, or inside a building or structure nearest the point of entrance of the service conductors, not to exceed_10 feet of conductor length from the point of entrance. A service disconnect can serve as the emergency disconnect, if properly labeled as "Emergency Service Disconnect". Emergency Service Disconnects without overcurrent protection shall be limited to the 10-feet rule.
- -add- article 334.10(3) Exception: The 15-minute finish rating shall not be required in buildings or portions of buildings that are not required to be of fire resistance construction.
- -delete article 334.12(A)(2)
- add-422.31 (D) The requirement for Remote Emergency Off-Switches: For electric, fuel fired heating systems and boilers, shall follow the guidance of ASME CSD-1 as adopted in the 2015 Vt Fire & Building Safety Rules. For Electric,

oil and gas fired boilers. A Remote Emergency Off Switch, so labeled, shall be located outside of the entrance to the mechanical room or just inside the entrance of the room in which the boiler is located.

•-add-article 518.3 (D)(D) Illumination of Means of Egress. Lighting circuits and illumination of means of egress shall be provided in accordance with Section 7.8 of the Life Safety Code (NFPA 101) as adopted under the Vermont Fire & Building Safety Code. [Note: see Annex II for a copy of this section as adopted.]

N -delete and replace as follows - article 518.6

518.6 Illumination.

518.6(A) Illumination shall be provided for all working spaces about fixed service equipment, switchboards, switchgear, panelboards, or motor control centers installed outdoors that serve assembly occupancies. Control by automatic means only shall not be permitted. Additional lighting outlets shall not be required where the workspace is illuminated by an adjacent light source.

518.6(B) Illumination of Means of Egress. Lighting circuits and illumination of means of egress shall be provided in accordance with Section 7.8 of the Life Safety Code (NFPA 101) as adopted under the Vermont Fire & Building Safety Code. [Note: see Annex II for a copy of this section as adopted.]

N NFPA 73 Standard for inspections of Existing Dwellings, 2021 edition Adopted: except as modified herein for existing residential dwellings.

N -delete and replace – 5.1 GFCI requirements shall follow the 2023 NEC 210.8(A) 1-10. This will apply to 125-volt 15-and 20-amp receptacles only. Exempted are all existing 250-volt receptacles until which time branch circuits are modified or replaced. Nuisance tripping will be addressed by the AHJ on a case-by-case basis.

N Exception No. 1 Laundry area GFCI protection will follow the requirement of within 6 feet of the washing machine or sink. This will not include existing 250 volt dryer receptacles until such time the 250 volt dryer receptacle is replaced or the branch circuit is modified.

N Exception No. 2 Existing Finished Basement receptacles, in compliance with 2023 NEC 210.12(A) 1 thru 6; AFCI protection will not be required to be added until such time the branch circuit is modified, extended or receptacles are replaced.

NFPA 780, Lightning Protection Code (2014-2023 edition)

(b) If there are conflicting sections between an adopted code and a referenced code or standard, the adopted code shall apply. If there are conflicting sections between a general requirement and a specific requirement, the specific requirement shall apply. [Note: see Annex III for information on how to obtain standards and reference documents.]

6. REFERENCE DOCUMENTS

(a) The following documents, while not part of the electrical safety rules, have been adopted by the State of Vermont as part of the Vermont Fire & Building Safety Code. Electricians should be aware of these documents and consult them as needed.

N (b) The Vermont Utilities Electric Service Requirements Manual. Consult the manual that covers the district responsible.

N (c) The 2021 Vermont Plumbing rules. 2021 Vermont Plumbing Rules

N (d) The requirement for Remote Emergency Off Switches: For electric and fuel fired hydronic heating systems and boilers, shall follow the guidance of ASME CSD-1 as currently adopted in the Vermont Fire & Building Safety Rules.

<u>CE 110 For electric, oil and gas fired boilers. A Remote Emergency Off Switch, so labeled, shall be located, outside</u> of the entrance to the mechanical room or just inside the entrance of the room in which the boiler is located.

- NFPA 1 Fire Prevention Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 20 Standard for the Installation of Centrifugal Fire Pumps, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 30 Flammable and Combustible Liquids Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA30A-Automotive and Marine Service Station Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 32 Standard for Dry Cleaning Plants, as adopted under the Vermont Fire & Building Safety Code.
- NFPA33-StandardforSprayApplicationUsingFlammableorCombustibleMaterials, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 34 Standard for Dipping and Coating Process Using Flammable or Combustible Liquids, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 45 Standard on Fire Protection of Laboratories Using Chemicals, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 50A Standard for Gaseous Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.
- NFPA 50B Standard for Liquefied Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.
- NFPA 54 National Fuel Gas Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 58 Standard for the Storage and Handling of Liquefied Petroleum Gases, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 59 Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants as adopted under the Vermont Fire & Building Safety Code.
- NFPA 72 National Fire Alarm Code, as adopted under the Vermont Fire & Building Safety Code.

NFPA 73 Electrical Inspections for Existing Dwellings, 2016 edition. RELOCATED TO CHAPTER 5

- NFPA 90A Air Conditioning and Ventilating System as adopted under the Vermont Fire & Building Safety Code.
- NFPA 96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 99 Standard for Health Care Facilities, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 101 Life Safety Code as adopted under the Vermont Fire & Building Safety Code.
- NFPA 110 Standard for Emergency and Standby Power Systems, as adopted under the Vermont
- Fire & Building Safety Code.
- NFPA 232 Standard for the Protection of Records, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 720 Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units, as adopted under the Vermont Fire & Building Safety Code.

(b) If there are differences between the requirements adopted under Section 5 and the requirements in this section, the requirements in Section 5 shall apply.

7. WORK NOTICE FEES, INSPECTIONS, ENERGIZING, INSTALLATIONS, CERTIFICATE OF COMPLETION

7.1 WORK NOTICE

N (a) When Required

(1) (a) Electrical work in a Complex Structure shall not commence until an Electrical Work Notice (EWN) work notice accompanied by the required fee is submitted to the Division of Fire Safety (DFS) department by a Master or Type-S Journeyman Electrician, in good standing with the state of Vermont, and the work notice is validated by DFS the department. An electronic receipt from an on-line EWN filing will constitute a validated EWN. Where electrical work is proposed in a complex structure used for residential purposes, containing no more than two dwellingunits, the work notice may be submitted by any person. Complex Structure shall include the same definition as the state defined Public Building as set in state statutes. Title 26 chapter 15 Definitions 881 (3).

(<u>2</u>) <u>b)Demolition workDemolition</u> of energized electrical wiring or equipment is considered electrical work and requires an <u>EWN</u> work notice. The validated work notice or an electronic receipt is the electrical permit for the electrical work to be done.

(3c) The electrical inspector may accept an annual electrical work notice where electrical installation work is ongoing at an existing building. An electrical work notice filed under this section shall include the name and location of the building, the licensed electrician responsible for the work and payment of the base fee. The acceptance of an annual electrical work notice does not modify the requirements for licensure or direct supervision as established under these rules. Additionally, all electrical work shall be documented to include who/when/what and routine inspections shall be scheduled with the AHJ.

(4e) A validated work notice shall expire if the work authorized under the validated work notice is not commenced, or is suspended or abandoned, for a time period of 12 months.

(<u>5</u>f) The fee for a work notice, other than the base fee, may be refunded upon written request, when the electrical work is abandoned or discontinued, prorated on the electrical work, services, reviews and inspections conducted prior to such abandonment or discontinued electrical work.

N(6) Any time in which a building or structure is erected in a cellular or communication yard meeting the definition of a Complex Structure or Public Building or multiple entities are involved with the site, yard or structures, or electrical services come under control of differing entities, it will come under the jurisdiction of the Division of Fire Safety and an EWN is required.

N (7) Electrical services supplying power to cellular and communications equipment that extend into or onto a "Complex Structure" or "Public Building" from a remote Pedestal require an EWN and an electrical inspection prior to energizing.

N (8) Class 1, 2 and 3 control, signaling and power-limited circuits found in Chapter 7 requires an Electrical Work Notice.

N (9) Lighting retrofits, where existing luminaires are converted using the existing housing from an older technology to a more energy efficient technology.

N (b) When Not Required

(1d) Installation or replacement of equipment such as lamps and electric utilization equipment approved for connection to suitable permanently installed receptacles, replacement of fuses, and other minor maintenance and

repair work, such as replacing worn cords and tightening connections on a wiring device, do not require a work notice.

(2d) Electrical work regulated under the National Electrical Code, Article 800, Communications Circuits, does not require an EWN

N(3g) Cellular and communication yards are exempt from Electrical Work Notices, so long as they are enclosed with a fence, solely owned and operated by a single entity, access is limited to that single entity and no state defined public buildings exist within the yard.

N(4) Federally owned, occupied and self-inspected federal buildings. This does not include privately owned public buildings leased to federal government agencies.

N (c) Filing for an EWN

N (1) Paper forms may be picked up at any of the four regional offices or fillable form may be downloaded from www.firesafety.vermont.gov website and filled out and mailed or dropped off at any of the four regional offices with payment. Checks shall be made payable to the Department of Public Safety

Fillable & Printable_Electrical Work Notice may be downloaded at firesafety.vermont.gov

N (2) An EWN may be filed on-line with a credit card, at: Online electrical permits

N (d) Certificate of completion can be offered by the permit holder with the permission of the AHJ for low priority inspections. LINK TBD

7.2 WORK NOTICE FEES

Electrical work notice fees are established by the Vermont Legislature. Refer to §893 located at site below for fees; http://legislature.vermont.gov/statutes/chapter/26/015 All fees are required to be paid to the Commissioner or designated representative prior to the validation of a work notice.

7.3 INSPECTION

- (a) An electrical installation in any part of a complex structure shall not be covered unless it is inspected by an electrical inspector. The provisions of this subsection may be specifically waived by an electrical inspector in writing. Upon completion of a new electrical installation, the applicant shall request a final inspection by an electrical inspector. Within five working days of receipt of the application, the commissioner, or inspector, shall conduct an inspection, establish a reasonable date for inspection or issue a waiver of inspection.
- (b) The electrical inspector may also waive the presence of the licensee who filed the work notice for rough and final inspections.
- (c) A <u>certificate of completionfinal inspection report</u> shall be issued if the electrical inspector determines after inspection that the installation is in compliance with the standards and requirements adopted by the board and that all required fees for the electrical installation have been paid.
- (d) No part of a complex structure, in which part a new electrical installation has been made, shall be sold or conveyed for use or occupancy without first securing a <u>certificate</u> <u>final inspection</u> <u>of completion</u> for the new electrical installation.
- (e) Violation of these rules shall be prima facie evidence of negligence in any civil action for damage or injury, which is the result of the violation.

7.4 ENERGIZING INSTALLATIONS

N = New material • = Deleted section

- (a) A new electrical installation in or on a complex structure or an electrical installation used for the testing or construction of a complex structure shall not be connected or caused to be connected to a source of electrical energy unless prior to such connection, either a temporary or a permanent_energizing permit is issued for that installation by the electrical inspector.
- (b) This section shall not be construed to limit or interfere with a contractor's right to receive payment for electrical work for which a certificate of completion has been granted.
- **N** (c) For an existing complex structure that has not been powered for a period of time, has been vandalized or damaged, the AHJ or electrical utility may require an electrician to evaluate the wiring and enclosure to determine if it is safe to restore power to the structure. If work is required to correct violations, make repairs or replace the AHJ may require an electrical work notice to be filed and an inspection conducted.

N 7.5 DE-ENERGIZING ELECTRICAL INSTALLATIONS

(a) De-energizing electrical services can be ordered by a Municipal Fire Department Chief, the Commissioner of the Department of Public Safety, at the recommendation of an AHJ or a Vermont State Electrical Inspector, when determined to be a hazard to first responders, life or property.

(b) By the Public Electrical Utility during times of Natural disaster when the public is in danger due to downed, damaged or submerged power lines and equipment.

8. POWERS OF ENFORCEMENT

The Commissioner of Public Safety or Designated Representative may:

- (a) Refuse to validate a work notice if the license holder has other on-going electrical work for which a work notice has not been filed, or if the Department is owed fees or penalties.
- (b) Assess an administrative penalty of not more than \$1,000 for each violation of these rules. The "Rules for Administrative Citations and Penalties" adopted by the Vermont Department of Public Safety, Division of Fire Safety establishes the procedure for issuing administrative citations, assessing penalties and appealing citations pursuant to 26 V.S.A. § 897 and are included in Annex I.
- (c) Assign the responsibility for inspection and enforcement of all or part of these rules to municipalities as established in 26 V.S.A. 898 and included in Annex I.
- (d) Assign the responsibility for inspections and enforcement of all or part of these rules to a private corporation, partnership or sole proprietorship for electrical work on their own premises as established in 26 V.S.A. 899 and included in Annex I.

9. LICENSING DISCIPLINARY PROCEDURE

9.1 INITIATING A COMPLAINT AGAINST A LICENSE

(a1) Form of complaint (Filing): A person may register a complaint against an electrician licensed by the electricians' licensing board by filing a written complaint with the Department of Public Safety, Division of Fire Safety, 1311 U.S. Route 302, Suite 600 Barre, VT 05641-235145 state drive, Waterbury, Vermont 05671. The written complaint_must set forth, at a minimum, the nature, date and place of the alleged violations. The board may also initiate a license review procedure on its own motion by filing a complaint with the department.

(b2) Verification: Upon receipt of a complaint, the department will verify the Vermont license number of the person against whom the complaint is lodged. If the person is unlicensed and the complaint alleges criminal conduct, the department will refer the complaint to the office of the attorney general. If the person is a licensee of the board, the

department will docket the complaint and open an investigation file under the name and license number of the person.

(<u>c</u>3) Investigating Panel: An investigating panel consisting of an investigator designated by the department and assistant attorney general will be formed upon the docketing of a complaint. The Assistant Attorney General assigned to the case will head the panel and supervise the investigation of the complaint.

9.2 INITIATING THE INVESTIGATION

- (a1) Notice to the Assistant Attorney General and to the investigator: Upon docketing the complaint, the department will send a copy of all materials contained in the newly opened file, including a copy of the complaint, to the Assistant Attorney General and to the investigator.
- (<u>b-2</u>) Notice to the Licensee: The department will send written notice of the initiation of an investigation to the licensee against whom the complaint has been filed. The notice shall include a copy of the complaint and a copy of the statute and these rules. The notice will inform the licensee that inquiries or materials regarding the investigation should be addressed to the investigating panel at the address of the department.
- (<u>c</u>3) Notice to the Board: The department will send written notice to the board indicating that an investigation has been instituted regarding a licensing complaint.
- (<u>d</u>4) The inspector assigned to investigate the complaint shall inspect the work which is the subject of the complaint and interview the complainant. The inspector may also meet and interview the licensee at the direction of the Assistant Attorney General assigned to the matter.

9.3 RECOMMENED ACTION

- (<u>a-1</u>) At the conclusion of the investigation the Assistant Attorney General assigned to the matter shall make a recommendation as to whether formal proceedings should commence against the licensee.
 - (<u>b-2</u>) If formal disciplinary proceedings are recommended, the Assistant Attorney General shall submit a complaint describing the alleged violations, and the rules or statutes violated, with the recommendation.
 - (<u>e</u>3) If the licensee is willing to admit to the charges the Assistant Attorney General may develop a stipulated settlement for approval of the Board.
 - $(\underline{d4})$ If no disciplinary action is recommended the case will be closed and the complainant and the licensee will be notified that no further action will be taken at this time. The matter may be reopened if new evidence is presented.

9.4 FORMAL HEARING BY THE ELECTRICIANS'AL LICENSING BOARD

- (<u>a-1</u>) Notice and Place of Hearing: Upon the filing of a notice of charges by the investigating panel, the board will commence the hearing process by serving the notice of charges and a notice of the hearing upon the licensee. Notice will be served personally or by certified mail, return receipt requested. Copies will be sent to the members of the investigating panel and the complainant. The hearing will be scheduled at least 20 days after service.
- (<u>b-2</u>) Failure to Appear: If the licensee fails to appear after proper notice has been given, the board shall hold the hearing and make a decision on the charges.
- (c3) A quorum of the board shall be a majority of its members.
- (<u>d</u>-4) Conduct of Hearing; Receipt of Evidence; Argument: The board may admit any evidence it deems of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs. All persons shall testify under oath or affirmation. The licensee or his/her attorney may examine or cross-examine witnesses, inspect documents,

and explain or rebut any evidence presented to the board. The assistant attorney general, investigator and licensee may present oral and written argument in addition to evidence, which also shall be made part of the record.

Where a licensee is not represented by counsel the board shall advise the licensee and aid in the examining and cross examining of witnesses as effectively as possible compatible with the impartial discharge of its duties as a body of impartial review.

(<u>e5</u>) Authority of the Chair: The chair shall administer oaths to witnesses, rule on questions of evidence and upon the service of subpoenas and other notices and do whatever is necessary and proper to conduct the hearing in a judicious, fair and expeditious manner.

(<u>f-6</u>) Disqualification of a Board Member: A member of the board shall voluntarily disqualify him or herself and withdraw from any hearing in which the member cannot act in a fair and impartial manner, or where the member has an interest in the proceedings. Any party to a hearing may request disqualification of a board member by filing an affidavit stating with particularity the grounds for disqualification. If the board member does not disqualify him or

herself in response to the motion, the chair of the board shall decide the issue of disqualification. A hearing shall be held if requested by the moving party or if deemed necessary by the chair. All materials pertinent to a matter of disqualification shall be made part of the If a board member is disqualified, thereby negating the quorum, the chair shall appoint a hearing officer to decide the matter in the same manner as if the board were presiding.

(g7) Judgment of the Board: The board will issue a decision within a reasonable time following the conclusion of the hearing. The decision must be in writing and be signed by the members of the board. The decision shall set forth findings of fact, conclusions of fact and law, and the judgment. If a decision of the board is not unanimous, the decision of the majority will control. The minority may file a dissenting opinion.

The Board promptly shall mail or deliver a copy of its decision to the licensee, the investigating panel and, if appropriate, to the complainant. An order attached to the judgment will go into effect after the end of the 30-day appeal period, if no appeal is filed.

(h8) Appeal from a Decision of the Board: A licensee aggrieved by a judgment of the board may appeal that judgment to the Supreme Court. The board may grant, or the court may order, a stay of the board's order upon application of the licensee.

(i-9) Transcripts: A contested case hearing shall be recorded but not transcribed unless a transcript is requested by an interested person. Transcripts will be available for cost. The board will provide an estimate of transcription cost before filling an order for transcript

10. SEVERABILITY CLAUSE AND EFFECTIVE DATE

- (a) In the event any part or provision of these rules is held to be illegal, this shall not have the effect of making void or illegal any of the other parts or provisions of these rules.
- (b) These rules shall take effect <u>April 15, 2022September 1,2025</u> and shall be known as The Vermont Electrical Safety Rules. To achieve an orderly transition for compliance with these rules:
- (c) Electrical installation work in the process of construction at the time of adoption of these rules, or where a work notice has been validated and work is commenced within 30 days of the adoption of these rules, may be completed in accordance with the 2017 2020 Vermont Electrical Safety Rules.

N = New material • = Deleted section

ANNEX I

Title 26: Chapter 15: ELECTRICIANS AND ELECTRICAL INSTALLATIONS

For full text please refer to; https://legislature.vermont.gov/statutes/fullchapter/26/015

Subchapter 1: General Provisions

§ 881. Definitions

§ 882. Exceptions

Subchapter 2: Regulation Of Electrical Installations—Byby Licensing Board

§ 891. Rules adopted by the bBoard

§ 892. Work in progress

§893. Commencement of work; fees; work notice; inspection of work; certificate of completion (final inspection)

§ 894. Energizing installations

§ 895. Issuance of order by commissioner

§ 896. Request for reconsideration; appeals

§ 897. Administrative penalties; enforcement; liability

§ 898. Municipal inspection

§ 899. Private inspections

Subchapter 3: Licensing Electricians

§ 901. Electricians' licensing board

§ 902. Master electricians

§ 903. Journeyman electricians

§ 904. Type-S journeyman electrician

§ 905. Application; examinations and fees

§ 906. Examinations not required

§ 907. Recognition of experience in or out of state

§ 908. Expiration and renewal of licenses; continuing education

§ 909. Revocation, suspension and refusing of refusing renewal of license

§ 910. License not required

§ 911. Penalty

§ 913. License fees and licenses

§ 914. Members of board; per diem and expenses

§ 915. Employment of inspectors; appropriation

For full text please refer to; http://legislature.vermont.gov/statutes/chapter/26/015

N = New material

ANNEX II

SECTION 7.8 ILLUMINATION OF MEANS OF EGRESS (NFPA 101; LIFE SAFETY CODE AS CURRENTLY ADOPTED BY THE VERMONT BUILDING AND FIRE SAFETY RULES, 2015 EDITION) LINK TBD

- 7.8 Illumination of Means of Egress.
- 7.8.1 General.
- 7.8.1.1 * Illumination of means of egress shall be provided in accordance with Section 7.8 for every building and structure where required in Chapter 11 through Chapter 43. For the purposes of this requirement, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of this requirement, exit discharge shall include only designated stairs, aisles, corridors, ramps, escalators, walkways, and exit passageways leading to a public way.
- 7.8.1.1 Illumination of means of egress shall be continuous during the time that the conditions of occupancy require that the means of egress be available for use, unless otherwise provided in 7.8.1.2.2.
- 7.8.1.1.1 Artificial lighting shall be employed at such locations and for such periods of time as are necessary to maintain the illumination to the minimum criteria values herein specified.
- 7.8.1.2.2 Unless prohibited by Chapters 11 through 43, automatic lighting control devices shall be permitted to temporarily turn off illumination within the means of egress, provided that each lighting control device complies with all of the following:
- (1) In new installations, the lighting control device is listed.
- (2) The lighting control device is equipped to automatically energize the controlled lights upon loss of normal power and is evaluated for this purpose.
- (3) Illumination timers are provided and are set for a minimum 15-minute duration.
- (4) The lighting control device is activated by any occupant movement in the area served by the lighting units.
- (5) In new installations, the lighting control device is activated by activation of the building fire alarm system, if provided.
- (6) The lighting control device does not turn off any lights relied upon for activation of photoluminescent exit signs or path markers.
- (7) The lighting control devices does not turn off any battery-equipped emergency luminaries, unit equipment, or exit signs.
- 7.8.1.2.3 * Energy-saving sensors, switches, timers, or controllers shall be approved and shall not compromise the continuity of illumination of the egress required by 7.8.1.2.
- 7.8.1.2 The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in 7.8.1.1 shall be illuminated as follows:
- (1) During conditions of stair use, the minimum illumination for new stairs shall be at least 10 ft-candle (108 lux), measured at the walking surfaces.
- (2) The minimum illumination for floors and walking surfaces, other than new stairs during conditions of the stair use, shall be to values of at least 1 ft-candle (10.8 lux), measured at the floor.

- (3) In assembly occupancies, the illumination of the walking surfaces of exit access shall be at least 0.2 ft- candle (2.2 lux) during periods of performances or projections involving directed light.
- (4) * The minimum illumination requirements shall not apply where operations or processes require low lighting levels.
- 7.8.1.4* Required illumination shall be arranged so that the failure of any single lighting unit does not result in an illumination level of less than 0.2 ft-candle (2.2 lux) in any designated area.
- 7.8.1.3 The equipment or units installed to meet the requirements of Section 7.10 also shall be permitted to serve the function of illumination of means of egress, provided that all requirements of Section 7.8 for such illumination are met.
- 7.8.2 Sources of Illumination.
- 7.8.2.1 Illumination of means of egress shall be from a source considered reliable by the authority having jurisdiction.
- 7.8.2.2 Battery-operated electric lights and other types of portable lamps or lanterns shall not be used for primary illumination of means of egress. Battery- operated electric lights shall be permitted to be used as an emergency source to the extent permitted under Section 7.9.

N * Addition information may be found in ANNEX A of NFPA 101 Life Safety Code.

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ANNEX III - HOW TO OBTAIN STANDARDS AND REFERENCE DOCUMENTS

American Society for Testing and Materials 100 Barr Harbor Drive

PO Box C700

West Conshohocken PA 19428-2959 (610) 832-9500

www.astm.org

National Fire Protection Association (NFPA) Fulfillment Center

11 Tracy Drive

Avon, MA 02322-9910

(800) 344-3555

www.nfpa.org

Underwriters Laboratories Inc.

333 Pfingsten Road Northbrook IL 60062

(877-854-3577)

www.ul.com

IEEE Operations Center

445 Hoes Lane,

Piscataway, N.J.08854-4141 (732) 981-0060

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ANNEX IV - HOW TO CONTACT THE DIVISION OF FIRE SAFETY

The Division of Fire Safety has four regional offices:

Waterbury: 45 State Drive

Waterbury, VT 05676 Main Phone: (802) 479-4434 Toll Free: (888) 870-7888

Fax: (802) 479-4446

Rutland: 56 Howe St.

Building A, Suite 200 Rutland, VT 05701

Main Phone: (802) 786-5867 Toll Free: (888) 370-4834 Fax: (802) 768-5872

The Division of Fire Safety Central Office: 45 State Drive, Waterbury, VT 05676

Main Phone: (802) 479-7561

Toll Free: (800) 640-2106 Fax: (802) 479-7562

www.firesafety.vermont.gov

Springfield: 100 Mineral St. Suite 307

Springfield, VT 05156

Main Phone: (802) 216-0500

Fax: (802) 216-0511

Williston:

380 Hurricane Lane

Suite 101

Williston, VT 05495

Main Phone: (802) 879-2300 Toll Free: (800) 366-8325 Fax: (802) 879-2312

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N Informational page, not part of the Vermont Electrical Safety Rules. Information on this page may be periodically updated without notice.

Helpful links

Division of Fire Safety website https://firesafety.vermont.gov/

Electrical Licensing Email dps.dfslicensing@vermont.gov

National Electrical Reciprocal Alliance https://www.nerastates.org/

Vermont Electrical Safety Rules

https://firesafety.vermont.gov/sites/firesafety/files/documents/2020%20Electrical%20Rules%20-%20Final%20Copy%20-%203-30-22%20%283%29 0.pdf

Electrical Work Notice (printable form)

http://firesafety.vermont.gov/sites/firesafety/files/documents/dfs_electrical_wn%2823%29.pdf

Electrical Work Notice Online Permit Portal

 $\frac{https://vt.accessgov.com/electrical-firealarm-wn/Forms/Page/electrical-firealarm-wn/f2878af0-40e6-4746-8ffa-d4013fb8022c/b916cd15-39a3-4300-b566-6fbd3ce5bf97/0$

Electrical Completion Form Link TBD

Electrical Work Notice online portal https://vt.accessgov.com/electrical-firealarm-

wn/Forms/Page/electrical-firealarm-wn/f2878af0-40e6-4746-8ffa-d4013fb8022c/b916cd15-39a3-4300-b566-6fbd3ce5bf97/0

Current list of licensed electricians https://data.vermont.gov/Government/Licensed-Electricians/byw8-gs7z/data? gl=1*o230uc* ga*Nzc1MjY3NDE0LjE3MTA1MTg4NDI.* ga_V9WQH77KLW*MTczNjc5Mjg1NC4xMC4xLjE3MzY3OTQ2MjkuMC4wLjA.

Smoke Alarm installation matrix

https://firesafety.vermont.gov/sites/firesafety/files/files/Documents/dfs_codesheet_residental_smoke_al_arms_matrix.pdf

CO Alarm installation matrix

https://firesafety.vermont.gov/sites/firesafety/files/files/Documents/dfs codesheet co matrix.pdf

Memorandums of clarification Link TBD

<u>Directives, specific to electrical installations, published by the Vermont Division of Fire Safety as a temporary measure and shall last no longer than the next adoption of the Vermont Electrical Safety Rules or be written into the rules of the latest revision of the Vermont Electrical Safety Rules (VESR). Link TBD</u>

N = New material • = Deleted section

Vermont Laws

<u>Title 20, Chapter 173, Prevention and Investigation of Fires Subchapter 002, Division of Fire Safety http://legislature.vermont.gov/statutes/chapter/20/173</u>

<u>Title 20 : Internal Security and Public Safety Chapter 174 : Accessibility Standards for Public Buildings and Parking</u>

https://legislature.vermont.gov/statutes/section/20/174/02900

<u>Title 26: Professions and Occupations Chapter 15: Electricians and Electrical Installations</u>
http://legislature.vermont.gov/statutes/chapter/26/015

Other Links

CSA Group https://www.csagroup.org/

DigSafe Contact DigSafe before you dig or drive ground rods. https://digsafe.com/

National Electrical Manufacturers Association (NEMA) https://www.nema.org/

NEMA AFCI Unwanted Tripping Report Link to AFCI unwanted-tripping report form

OSHA Current list of Nationally Recognized Testing Laboratories (NRTL's)

https://www.osha.gov/nationally-recognized-testing-laboratory-program/current-list-of-nrtls Common but not limited to NRTL's for electrical equipment; UL, ETL, CSA, QPS, TUV, SGS, PTL, FM.

Intertek ETL https://www.intertek.com/

National Fire Protection Association NFPA https://www.nfpa.org/

National Electrical Reciprocal Alliance https://www.nerastates.org/

VERMONT UTILITIES ELECTRIC SERVICE REQUIREMENTS MANUAL

https://greenmountainpower.com/wp-content/uploads/2022/04/VT-Utilities-Electric-Service-Requirements-Manual.pdf

UL Solutions https://www.ul.com/

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VERMONT

ELECTRICAL SAFETY RULES

2023

The Vermont Electricians' Licensing Board and the Vermont Department of Public Safety Division of Fire Safety

www.firesafety.vermont.gov

Effective Date: September 1, 2025

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N = New material • = Deleted section(s)

N DEFINITIONS

Public Building.

Title 20 chapter 173 Definitions 2730

Electricians and Electrical Installations

Title 20 Chapter 174 Definitions 2900

Title 26 chapter 15 Definitions 881 (3).

As used in this chapter, unless the context clearly requires otherwise:

- (1) "Board" means the Electricians' Licensing Board created under this chapter.
- (2) "Commissioner" means the Commissioner of Public Safety.
- (3) "Complex structure" shall include the same meaning as the term "public building" as defined in 20 V.S.A. § 2900(8).
- (4) "Electrical inspector" (AHJ) means a State electrical inspector employed pursuant to section 915 of this title.
- (5) "Electrical installation" means wires, fixtures, or apparatus installed in a complex structure or at the construction site of such structure for the transmission and use of commercially supplied or privately generated electrical energy.
- (6) "Electrician's helper" means a person assisting in the construction, installation, or repair of an electrical installation under the direct supervision of a master or journeyman electrician who is present at the work site. Not currently enrolled in the apprenticeship program.
- (7) "Legislative body" means the selectboard of a town, the board of aldermen or city council of a city, or the board of trustees of an incorporated village.
- (8) "Municipal inspector" means an electrical inspector authorized to conduct municipal inspections pursuant to section 898 of this title.
- (9) "Registered apprentice" means an apprentice registered with the Apprenticeship Division of the State Department of Labor for electrical training.
- (10) "Work notice" means (Electrical Work Notice (EWN))

1. PURPOSE OF THERULES

The purpose of these rules is to protect the people of the State of Vermont from the risk of fire or electrocution from unsafe electrical installation, by the adoption and enforcement of nationally recognized safety codes and by the licensure, education and training, of people doing electrical installation work. The State of Vermont's law regarding electricians and electrical installations (Chapter 15 of Title 26, Vermont Statutes Annotated) is referenced in Annex I. Further information about these rules and their application may be obtained from the:

Division of Fire Safety 45 State Drive Waterbury, VT 05676-1597 Telephone: 802-479-7561

Website: www.firesafety.vermont.gov

2. ADOPTION OF THE RULES

- (a) These rules are adopted by the Commissioner of Public Safety and the Electricians' Licensing Board pursuant to 26 V.S.A. Chapter 15, to license people doing electrical work and to adopt and enforce nationally recognized safety codes.
- (b) Existing electrical installations that do not comply with the provisions of these rules shall be permitted to be continued in use unless the authority having jurisdiction determines that the lack of conformity with these rules presents an imminent danger. Where changes are required for correction of hazards, a reasonable amount of time shall be given for compliance, depending on the degree of the hazards.
- (c) These rules do not apply to:
- (1) The construction, installation, operation, repair or maintenance of electrical installations which are used by a public utility in rendering its authorized service, including communications, metering, generation, control, transformation, transmission or distribution of electric energy; nor to the installation, operation, repair and wiring associated with telecommunication services and equipment used for the transmission of information by electricity regardless of the location of such electrical installations, equipment or facilities.
- (2) Electrical installations in ships, aircraft, pipeline systems, railway rolling stock, automotive equipment, or portable sound equipment.
- (3) The manufacture, testing or repair of electrical equipment in the plant of the manufacturer of the equipment.
- (4) The construction repairs or maintenance of buildings used exclusively for agricultural purposes on owner occupied farms, as defined by 20 VSA 2730.
- (5) Manufactured or mobile homes owned by the occupant and located on leased land or in a mobile home park. The rules do apply to the electrical service and feeder for such units.
- (6) A single-family owner-occupied dwelling. This does not exempt single family rentals or accessory dwelling units (ADU's) used as rentals, short term or long term, as defined by State statute 20 VSA 2730.

3. ELECTRICAL LICENSING

N Division of Fire Safety Electrical Licensing 45 State Drive Waterbury, VT 05671

Phone: 802-479-7564

Email: <u>DPS.DFSLicensing@vermont.gov</u> <u>Link to current licensed electricians</u>

With limited exceptions, anyone performing electrical work in the State of Vermont, other than in a residential building containing two or fewer dwelling units or electrical work regulated under the National Electrical Code, article 800, Communications Circuits, is required to be licensed as an electrician. The exceptions to the licensing requirement are contained in 26 V.S.A. § 910, which is reference in Annex I.

An elevator or lift mechanic licensed in accordance with 21 V.S.A. § 145 is permitted to install, alter or maintain electrical wiring required for an elevator or lift beginning after the main electrical disconnect for the elevator or lift. The main disconnect for the elevator or lift and building wiring and devices associated with an elevator or lift, such as electrical lights, receptacles and fire alarm devices are required to be installed by an electrician licensed under this section.

To become licensed to do electrical work in the State of Vermont an applicant must meet the requirements established by the following sections:

3.1 MASTER ELECTRICIAN

- (a) To be eligible for licensure as a master electrician, an applicant shall:
- (1) have been licensed as, and working as, a journeyman electrician under this chapter for at least two years; or
- (2) have had comparable experience and training, within or without this state, acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.
- (b) Upon successful completion of the examination and payment of the required fees, the applicant shall receive a master electrician's license in the form of a wallet-size card. This license or an electronic version accompanied by photo identification, shall be carried by the master electrician while performing his or her trade and shall be displayed upon request. Upon the request by the licensee and upon payment of the required fee, the board shall issue a license certificate suitable for framing.
- (c) A person licensed under this chapter as a master electrician is entitled to design, install, repair, maintain and replace electrical installations including work in the specialty fields designated in Section 3.3 of these rules, as his or her principal business or in the course of another business conducted by him or her, and may employ other persons licensed under this chapter or electrician's helpers to perform work in connection with electrical installations under his or her direction.

In the case of an apprentice or helper, "supervise" means either that the master is physically present on the work site and is immediately available to direct and supervise that apprentice or helper, or that a journeyman under the master's direction is immediately available to direct and supervise that apprentice or helper.

3.2 JOURNEYMAN ELECTRICIAN

(a) To be eligible for licensure as a journeyman electrician an applicant shall:

- (1) provide verification by the Vermont apprenticeship council of completion of an apprenticeship in electrical wiring which included both instruction and practice in work processes; or
- (2) have had equivalent training acceptable to the board; and
- (3) pass an examination to the satisfaction of the board.
- (b) The board may approve an applicant who has completed the instruction portion of the apprenticeship program to take the examination prior to completion of the practice in work experience. Where an applicant has successfully completed the examination, but not the practice in work experience, a license shall not be issued until the practice in work experience portion of the apprenticeship program has been completed.
- (c) Upon successful completion of the examination and payment of the required fees, the applicant shall receive a journeyman electrician's license in the form of a wallet-size card. This license or an electronic version accompanied by photo identification shall be carried by the journeyman electrician, while performing his or her trade and shall be displayed upon request. Upon request by the licensee and payment of the required fee, the board shall issue a license certificate suitable forframing.
- (d) A person licensed under this chapter as a journeyman electrician is entitled to perform electrical installations under the direction of a master electrician or a type-s journeyman in connection with that specialty field and may supervise an apprentice electrician or an electrician's helper employed by a master electrician under the master electrician's direction. In the case of an apprentice or helper, "supervise" means that the journeyman electrician is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.

3.3 TYPE-S JOURNEYMAN ELECTRICIAN

- (a) To be eligible for licensure as a Type-S Journeyman an applicant shall:
- (1) Complete an accredited training and experience program recognized by the board; or
- (2) Have had training and experience, within or without this state, acceptable to the Board; and
- (3) Pass an examination to the satisfaction of the board in one or more of the following specialty fields:

N License	Description of specialized competence		
A1	Automatic gas or oil heating, including geo-thermal, ground source heat pumps		
B2	Outdoor advertising		
С3	Refrigeration or air conditioning, air to air heat pumps.		
D4	Appliance and motor repairs		
E5	Well pumps.		
F6	Farm Equipment.		
G7c	Commercial fire alarmsystems		
G7g Gas pump installation, including electrical work involving a canopy over gas pumps, and bulk plant work			
G7k	Electrical lock installation including delayed egress and access control		
G7I	Lightning rod installation		
G7s	Solar installation		
N = New material ● = Deleted section(s) Page 6			

- (b) Upon successful completion of the examination and payment of the required fees for each field in which a license is to be issued, the applicant shall receive a license in the form of a wallet-size card. This license or an electronic version accompanied by photo identification shall be carried by the Type- S Journeyman Electrician while performing his or her trade and shall be displayed upon request. Upon request of the licensee and upon payment of the required fees, the board shall issue a license certificate suitable for framing.
- (c) A person licensed under this Chapter as a Type- S Journeyman Electrician is entitled to design, install, repair, maintain and replace electrical installations as an employee or an independent contractor only in connection with the specialty field designated on the person's license, and may only install branch circuits from the existing electrical service. A Type-S Journeyman Electrician may employ other persons licensed under this chapter and may supervise an apprentice or an electrician's helper. In the case of an apprentice or helper, "supervise" means that the Type-S journeyman is physically present on the work site and is immediately available to direct and supervise that apprentice or helper.
- (d) No person, other than a licensed master electrician, shall engage in the business of installing lightning rods, fire alarms or fire detection equipment or systems for another unless that person holds an appropriate type-s journeyman electricians' license, issued by the Board under this section.

3.4 APPLICATION, EXAMINATIONS AND FEES

(a) Each applicant for a license shall submit to the board, on forms furnished by it, a written application containing such relevant information as the board may require, accompanied by the required examination fee. The examination fee shall be established by the board but shall be no greater than the cost associated with administering the examination. The examination fee may be paid directly to a testing agency under contract to provide examinations for the board.

[Note: The current examination fee is \$80 for the standard test, or \$80 for the computer based test, paid directly to the contracted testing agency ProV.]

- (b) Examinations may be conducted in writing or computer based and shall include a practical skills examination. The examination will cover theoretical and practical aspects of electrical work, together with pertinent laws and rules. In addition, the master electrician's examination shall contain questions on all specialty fields designated for type-s journeyman electricians.
- (c) The board, in determining the qualifications of an applicant for a license, may in its discretion give recognition, in the case of an application for a master's license, to the applicant's experience as a licensed journeyman in another state, or in the case of an application for a journeyman's license, to an apprenticeship served in another state, or may otherwise give recognition to experience or prior qualifications.
- (d) The approval of an applicant to take the required examination for the license is valid for three years from the date of the approval by the board.
- (e) An applicant who fails the examination may, upon payment of the required fees to the testing agency, retake the exam two more times. Where an applicant has failed the third attempt, the applicant may reapply with a new application, additional fees and approval of the Board. The Board shall require that an applicant obtains a minimum of 8 hours of education on the National Electrical Code, National Fire Alarm Code or an exam prep course before retaking the exam.
- (f) A person to whom a master electrician's license or a journeyman electrician's license has been previously issued by another state, held in good standing for 3 years, whose standards are equivalent to those of this state, if under the

laws or regulations of the state issuing the license a similar privilege is granted to electricians licensed under the laws of this state, shall be issued a Universal license without examination upon payment of the required fees.

[**Note**: Reciprocal agreements for residents of New Hampshire and Maine obtaining licenses in Vermont remain in place.]

N [Note: Vermont has joined the National Electrical Reciprocal Alliance. An electrical license held in a NERA member state shall be held and in good standing for 1 year in order to apply for a Vermont electricians license. See the NERA website for a current list of member states. https://www.nerastates.org/_]

(g) Electrical license fees are established by the Vermont Legislature. Refer to §905 located at site below for fees; http://legislature.vermont.gov/statutes/chapter/26/015

3.5 RENEWAL OF LICENSE

- (a) All licenses expire on the last day of a month designated by the board. A license shall be valid for three years. A notice of renewal and application for renewal is sent to each licensee prior to the expiration of the license. The signed application for renewal, the certification of continuing education and the appropriate fee must be returned prior to the date that the license expires. The board shall renew the license of a person holding a valid license issued under this chapter on receipt of an application for renewal, certification of continuing education, child support certification, tax certification and the required fee, on or before the expiration date of his license.
- (b) All journeyman and master electricians shall, as a condition of license renewal, complete 15 hours of instruction, approved by the board, on the National Electrical Code during the preceding 36 month period. All holders of a type-S journeyman license shall, as a condition of renewal, complete eight hours of instruction, approved by the board, about the license holder's specialty during the preceding 36 month period.

A person who is licensed in more than two fields of specialized competence shall not be required to complete more than a total of 15 hours of instruction. Exception: A person licensed only as a Type S A1 and C3 shall not be required to complete more than 8 hours of continuing education.

All licensees are required to complete the Vermont Energy Goals Module found on the Division of Fire Safety website. <u>Vermont Energy Goals Education</u> (c) If a license is allowed to lapse it may be renewed within one year of its expiration date with a late fee of \$25.00 in addition to the renewal fee. A licensed electrician whose license has lapsed shall not accomplish any unsupervised electrical installation work covered by these rules until the license has been renewed. Where a license is required, work notices will not be processed/issued for an expired license.

(d) If a license is not renewed within one year of its expiration date the inactive licensee shall submit an application for a new license and shall follow the appropriate licensing procedure. The Board may waive the requirement for reexamination where there is undue hardship or other unusual circumstance.

3.6 REVOCATION, SUSPENSION AND REFUSAL OF RENEWAL OF LICENSE

- (a) The board, after notice to the licensee and opportunity for hearing, may revoke or suspend a license issued under this chapter, or refuse to renew the license of a person who has made application for renewal:
- (1) If the license was wrongfully or fraudulently obtained.
- (2) If the licensee has violated or failed to comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules.
- (3) If the licensee is found by the board to be unqualified to hold the license.

- **N** (4) If the license was issued in error.
- (b) The board, after notice and opportunity for hearing, may take alternative actions against a license holder which is less severe than revocation, suspension or refusal to renew a license, including but not limited to formal reprimand, additional required education, conditions on electrical installation, etc. The Board may act:
- (1) If the license was wrongfully or fraudulently obtained.
- (2) If the licensee has violated or failed to comply with any provision of 26 V.S.A. Chapter 15 or any provision of these rules.
- (3) If the licensee is found by the board to be unqualified to hold the license.
- (c) The Board will proceed with initiating a complaint against a licensee, investigation of the complaint, action and hearings as described in Section 9.
- (d) A person may file a complaint with the Board by doing so in writing, setting forth a full statement of the facts concerning the alleged infraction of the electrician's licensing law or rules. In the event a complaint is filed with the Board, the Board's investigation shall not be limited to the matter set forth in the request for investigation but may extend to any act coming to the attention of the board which appears to violate the law or these rules.

For licensing information please contact: dps.dfslicensing@vermont.gov

4. DUTIES OF THELICENSEE

- (a) Any person who has obtained an electrical license under these rules shall:
- (1) Not install, repair or maintain electrical conductors and equipment in a manner which is likely to be unsafe to people and property.
- (2) Observe these rules regarding all electrical installation, repair or maintenance work, and supervision of unlicensed employees.
- (3) Not begin electrical work until a work notice for the work has been validated.
- (4) Notify the Division of Fire Safety of any changes in contact information, mailing address, e-mail address and phone number. Your renewal notices and license renewals rely on the accuracy of these. Address correction forms can be found at: License Address Change Request
- (b) Any licensed electrician who has filed a work notice shall:
- (1) Keep records which outline who have accomplished the work covered under the work notice.
- (2) Provide at least 5 working days' notice to the electrical inspector for any required inspection.
- (3) Provide access for the electrical inspector to all electrical work and records subject to inspection.
- **N** (4) Notify the assigned inspector upon completion of work and schedule rough and final inspections.

5. ADOPTION OF NATIONALLY RECOGNIZED SAFETY STANDARDS

(a) The Electricians' Licensing Board, for the purpose of making rules regarding the safeguarding of persons and property from hazards arising from the use of electricity adopts the following standards per the specific edition.

NFPA 70, National Electrical Code, (2023 edition) To meet the needs and concerns of Vermonters, and Electricians. NFPA 70 is amended as follows:

-delete & replace- 210.8(A)(11) Laundry areas and rooms- GFCI protection shall be required for receptacles installed within 6 feet (1.8 m) of a washing machine or sink.

•

 $\it N$ -add 210.8(F) Exception No. 3: Exempted are water wells, sewer discharge pumps and hardwired electric vehicle chargers with integral GFCI protection and properly terminated equipment grounding conductor.

N -add-General Note: A Nationally Recognized Testing Laboratory (NRTL), "Manufacturer's Listing" regarding the use of AFCI and/or GFCI protection for appliances, people and property may be allowed to supersede this code under the following: supporting documents are submitted to the AHJ, additional labeling is provided, a single receptacle is utilized (where applicable), the replacement of that appliance or the alteration of the branch circuit will require compliance with the current NEC code and a NEMA unwanted tripping report form is filed with the manufacturer. Nuisance or unwanted tripping will be handled by the AHJ on a case-by-case basis.

•

-add- 210.12(D)(2) Exception: AFCI protection shall not be required where the extension of the existing conductors is used solely to hardwire single station smoke and or CO alarms in an existing dwelling or dormitory unit.

-delete and replace as follows - article 230.70(A)(1)

(1) Location. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure, or inside a building or structure nearest the point of entrance of the service conductors, not to exceed 10 feet of conductor length from the point of entrance. A service disconnect can serve as the emergency disconnect, if properly labeled as "Emergency Service Disconnect". Emergency Service Disconnects without overcurrent protection shall be limited to 10-feet.

-add- article 334.10(3) Exception: The 15-minute finish rating shall not be required in buildings or portions of buildings that are not required to be of fire resistance construction.

-delete article 334.12(A)(2)

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•N -delete and replace as follows - article 518.6

518.6 Illumination.

518.6(A) Illumination shall be provided for all working spaces about fixed service equipment, switchboards, switchgear, panelboards, or motor control centers installed outdoors that serve assembly occupancies. Control by automatic means only shall not be permitted. Additional lighting outlets shall not be required where the workspace is illuminated by an adjacent light source.

518.6(B) Illumination of Means of Egress. Lighting circuits and illumination of means of egress shall be provided in accordance with Section 7.8 of the Life Safety Code (NFPA 101) as adopted under the Vermont Fire & Building Safety Code. [Note: see Annex II for a copy of this section as adopted.]

N NFPA 73 Standard for inspections of Existing Dwellings, 2021 edition Adopted: except as modified herein for existing residential dwellings.

N -delete and replace – 5.1 GFCI requirements shall follow the 2023 NEC 210.8(A) 1-10. This will apply to 125-volt 15- and 20-amp receptacles only. Exempted are all existing 250-volt receptacles until which time branch circuits are modified or replaced. Nuisance tripping will be addressed by the AHJ on a case-by-case basis.

N Exception No. 1 Laundry area GFCI protection will follow the requirement of within 6 feet of the washing machine or sink. This will not include existing 250 volt dryer receptacles until such time the 250 volt dryer receptacle is replaced or the branch circuit is modified.

N Exception No. 2 Existing Finished Basement receptacles, in compliance with 2023 NEC 210.12(A) 1 thru 6; AFCI protection will not be required to be added until such time the branch circuit is modified, extended or receptacles are replaced.

NFPA 780, Lightning Protection Code (2023 edition)

(b) If there are conflicting sections between an adopted code and a referenced code or standard, the adopted code shall apply. If there are conflicting sections between a general requirement and a specific requirement, the specific requirement shall apply. [Note: see Annex III for information on how to obtain standards and reference documents.]

6. REFERENCE DOCUMENTS

- (a) The following documents, while not part of the electrical safety rules, have been adopted by the State of Vermont as part of the Vermont Fire & Building Safety Code. Electricians should be aware of these documents and consult them as needed.
- **N** (b) The Vermont Utilities Electric Service Requirements Manual. Consult the manual that covers the district responsible.
- N (c) The 2021 Vermont Plumbing rules. 2021 Vermont Plumbing Rules
- **N** (d) The requirement for Remote Emergency Off Switches: For electric and fuel fired hydronic heating systems and boilers, shall follow the guidance of ASME CSD-1 as currently adopted in the Vermont Fire & Building Safety Rules. CE 110 For electric, oil and gas fired boilers. A Remote Emergency Off Switch, so labeled, shall be located, outside of the entrance to the mechanical room or just inside the entrance of the room in which the boiler is located.
- NFPA 1 Fire Prevention Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 20 Standard for the Installation of Centrifugal Fire Pumps, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 30 Flammable and Combustible Liquids Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA30A-Automotive and Marine Service Station Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 32 Standard for Dry Cleaning Plants, as adopted under the Vermont Fire & Building Safety Code.
- NFPA33-Standard for Spray Application Using Flammable or Combustible Materials, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 34 Standard for Dipping and Coating Process Using Flammable or Combustible Liquids, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 45 Standard on Fire Protection of Laboratories Using Chemicals, as adopted under the Vermont Fire & Building Safety Code.

- NFPA 50A Standard for Gaseous Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.
- NFPA 50B Standard for Liquefied Hydrogen Systems at consumer sites as adopted under the Vermont Fire & Building Safety Code.
- NFPA 54 National Fuel Gas Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 58 Standard for the Storage and Handling of Liquefied Petroleum Gases, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 59 Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants as adopted under the Vermont Fire & Building Safety Code.
- NFPA 72 National Fire Alarm Code, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 73 is now located in chapter 5.
- NFPA 90A Air Conditioning and Ventilating System as adopted under the Vermont Fire & Building Safety Code.
- NFPA 96 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 99 Standard for Health Care Facilities, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 101 Life Safety Code as adopted under the Vermont Fire & Building Safety Code.
- NFPA 110 Standard for Emergency and Standby Power Systems, as adopted under the Vermont
- Fire & Building Safety Code.
- NFPA 232 Standard for the Protection of Records, as adopted under the Vermont Fire & Building Safety Code.
- NFPA 720 Standard for the Installation of Carbon Monoxide (CO) Warning Equipment in Dwelling Units, as adopted under the Vermont Fire & Building Safety Code.
- (b) If there are differences between the requirements adopted under Section 5 and the requirements in this section, the requirements in Section 5 shall apply.

7. WORK NOTICE FEES, INSPECTIONS, ENERGIZING, INSTALLATIONS

7.1 WORK NOTICE

- N (a) When Required
- (1) Electrical work in a Complex Structure shall not commence until an Electrical Work Notice (EWN) accompanied by the required fee is submitted to the Division of Fire Safety (DFS) by a Master or Type-S Journeyman Electrician, in good standing with the state of Vermont, and the work notice is validated by DFS. An electronic receipt from an online EWN filing will constitute a validated EWN. Where electrical work is proposed in a complex structure used for residential purposes, containing no more than two dwelling units, the work notice may be submitted by any person. Complex Structure shall include the same definition as the state defined Public Building as set in state statutes. Title 26 chapter 15 Definitions 881 (3).
- (2) Demolition of energized electrical wiring or equipment is considered electrical work and requires an EWN

- (3) The electrical inspector may accept an annual electrical work notice where electrical installation work is ongoing at an existing building. An electrical work notice filed under this section shall include the name and location of the building, the licensed electrician responsible for the work and payment of the base fee. The acceptance of an annual electrical work notice does not modify the requirements for licensure or direct supervision as established under these rules. Additionally, all electrical work shall be documented to include who/when/what and routine inspections shall be scheduled with the AHJ.
- (4) A validated work notice shall expire if the work authorized under the validated work notice is not commenced, or is suspended or abandoned, for a time period of 12 months.
- (5) The fee for a work notice, other than the base fee, may be refunded upon written request, when the electrical work is abandoned or discontinued, prorated on the electrical work, services, reviews and inspections conducted prior to such abandonment or discontinued electrical work.
- **N**(6) Any time in which a building or structure is erected in a cellular or communication yard meeting the definition of a Complex Structure or Public Building or multiple entities are involved with the site, yard or structures, or electrical services come under control of differing entities, it will come under the jurisdiction of the Division of Fire Safety and an EWN is required.
- N(7) Electrical services supplying power to cellular and communications equipment that extend into or onto a "Complex Structure" or "Public Building" from a remote Pedestal require an EWN and an electrical inspection prior to energizing.
- **N** (8) Class 1, 2 and 3 control, signaling and power-limited circuits found in Chapter 7 requires an Electrical Work Notice.
- N (9) Lighting retrofits, where existing luminaires are converted using the existing housing from an older technology to a more energy efficient technology.
- N (b) When Not Required
- (1) Installation or replacement of equipment such as lamps and electric utilization equipment approved for connection to suitable permanently installed receptacles, replacement of fuses, and other minor maintenance and repair work, such as replacing worn cords and tightening connections on a wiring device, do not require a work notice.
- (2) Electrical work regulated under the National Electrical Code, Article 800, Communications Circuits, does not require an EWN
- N(3) Cellular and communication yards are exempt from Electrical Work Notices, so long as they are enclosed with a fence, solely owned and operated by a single entity, access is limited to that single entity and no state defined public buildings exist within the yard.
- **N** (4) Federally owned, occupied and self-inspected federal buildings. This does not include privately owned public buildings leased to federal government agencies.
- N (c) Filing for an EWN
- **N** (1) Paper forms may be picked up at any of the four regional offices or fillable form may be downloaded from www.firesafety.vermont.gov website and filled out and mailed or dropped off at any of the four regional offices with payment. Checks shall be made payable to the Department of Public Safety

Fillable & Printable Electrical Work Notice may be downloaded at firesafety.vermont.gov

- N (2) An EWN may be filed on-line with a credit card, at: Online electrical permits
- N (d) Certificate of completion can be offered by the permit holder with the permission of the AHJ for low priority inspections. LINK TBD

7.2 WORK NOTICE FEES

Electrical work notice fees are established by the Vermont Legislature. Refer to §893 located at site below for fees; http://legislature.vermont.gov/statutes/chapter/26/015 All fees are required to be paid to the Commissioner or designated representative prior to the validation of a work notice.

7.3 INSPECTION

- (a) An electrical installation in any part of a complex structure shall not be covered unless it is inspected by an electrical inspector. The provisions of this subsection may be specifically waived by an electrical inspector in writing. Upon completion of a new electrical installation, the applicant shall request a final inspection by an electrical inspector. Within five working days of receipt of the application, the commissioner, or inspector, shall conduct an inspection, establish a reasonable date for inspection or issue a waiver of inspection.
- (b) The electrical inspector may also waive the presence of the licensee who filed the work notice for rough and final inspections.
- (c) A final inspection report shall be issued if the electrical inspector determines after inspection that the installation is in compliance with the standards and requirements adopted by the board and that all required fees for the electrical installation have been paid.
- (d) No part of a complex structure, in which part a new electrical installation has been made, shall be sold or conveyed for use or occupancy without first securing a final inspection for the new electrical installation.
- (e) Violation of these rules shall be prima facie evidence of negligence in any civil action for damage or injury, which is the result of the violation.

7.4 ENERGIZING INSTALLATIONS

- (a) A new electrical installation in or on a complex structure or an electrical installation used for the testing or construction of a complex structure shall not be connected or caused to be connected to a source of electrical energy unless prior to such connection, either a temporary or a permanent energizing permit is issued for that installation by the electrical inspector.
- (b) This section shall not be construed to limit or interfere with a contractor's right to receive payment for electrical work for which a certificate of completion has been granted.
- **N** (c) For an existing complex structure that has not been powered for a period of time, has been vandalized or damaged, the AHJ or electrical utility may require an electrician to evaluate the wiring and enclosure to determine if it is safe to restore power to the structure. If work is required to correct violations, make repairs or replace the AHJ may require an electrical work notice to be filed and an inspection conducted.

N 7.5 DE-ENERGIZING ELECTRICAL INSTALLATIONS

(a) De-energizing electrical services can be ordered by a Municipal Fire Department Chief, the Commissioner of the Department of Public Safety, at the recommendation of an AHJ or a Vermont State Electrical Inspector, when determined to be a hazard to first responders, life or property.

(b) By the Public Electrical Utility during times of Natural disaster when the public is in danger due to downed, damaged or submerged power lines and equipment.

8. POWERS OF ENFORCEMENT

The Commissioner of Public Safety or Designated Representative may:

- (a) Refuse to validate a work notice if the license holder has other on-going electrical work for which a work notice has not been filed, or if the Department is owed fees or penalties.
- (b) Assess an administrative penalty of not more than \$1,000 for each violation of these rules. The "Rules for Administrative Citations and Penalties" adopted by the Vermont Department of Public Safety, Division of Fire Safety establishes the procedure for issuing administrative citations, assessing penalties and appealing citations pursuant to 26 V.S.A. § 897 and are included in Annex I.
- (c) Assign the responsibility for inspection and enforcement of all or part of these rules to municipalities as established in 26 V.S.A. 898 and included in Annex I.
- (d) Assign the responsibility for inspections and enforcement of all or part of these rules to a private corporation, partnership or sole proprietorship for electrical work on their own premises as established in 26 V.S.A. 899 and included in Annex I.

9. LICENSING DISCIPLINARY PROCEDURE

9.1 INITIATING A COMPLAINT AGAINST A LICENSE

- (a) Form of complaint (Filing): A person may register a complaint against an electrician licensed by the electricians' licensing board by filing a written complaint with the Department of Public Safety, Division of Fire Safety, 45 state drive, Waterbury, Vermont 05671. The written complaint must set forth, at a minimum, the nature, date and place of the alleged violations. The board may also initiate a license review procedure on its own motion by filing a complaint with the department.
- (b) Verification: Upon receipt of a complaint, the department will verify the Vermont license number of the person against whom the complaint is lodged. If the person is unlicensed and the complaint alleges criminal conduct, the department will refer the complaint to the office of the attorney general. If the person is a licensee of the board, the department will docket the complaint and open an investigation file under the name and license number of the person.
- (c) Investigating Panel: An investigating panel consisting of an investigator designated by the department and assistant attorney general will be formed upon the docketing of a complaint. The Assistant Attorney General assigned to the case will head the panel and supervise the investigation of the complaint.

9.2 INITIATING THE INVESTIGATION

- (a) Notice to the Assistant Attorney General and to the investigator: Upon docketing the complaint, the department will send a copy of all materials contained in the newly opened file, including a copy of the complaint, to the Assistant Attorney General and to the investigator.
- (b) Notice to the Licensee: The department will send written notice of the initiation of an investigation to the licensee against whom the complaint has been filed. The notice shall include a copy of the complaint and a copy of the statute and these rules. The notice will inform the licensee that inquiries or materials regarding the investigation should be addressed to the investigating panel at the address of the department.

- (c) Notice to the Board: The department will send written notice to the board indicating that an investigation has been instituted regarding a licensing complaint.
- (d) The inspector assigned to investigate the complaint shall inspect the work which is the subject of the complaint and interview the complainant. The inspector may also meet and interview the licensee at the direction of the Assistant Attorney General assigned to the matter.

9.3 RECOMMENED ACTION

- (a) At the conclusion of the investigation the Assistant Attorney General assigned to the matter shall make a recommendation as to whether formal proceedings should commence against the licensee.
- (b) If formal disciplinary proceedings are recommended, the Assistant Attorney General shall submit a complaint describing the alleged violations, and the rules or statutes violated, with the recommendation.
- (c) If the licensee is willing to admit to the charges the Assistant Attorney General may develop a stipulated settlement for approval of the Board.
- (d) If no disciplinary action is recommended the case will be closed and the complainant and the licensee will be notified that no further action will be taken at this time. The matter may be reopened if new evidence is presented.

9.4 FORMAL HEARING BY THE ELECTRICIANS' LICENSING BOARD

- (a) Notice and Place of Hearing: Upon the filing of a notice of charges by the investigating panel, the board will commence the hearing process by serving the notice of charges and a notice of the hearing upon the licensee. Notice will be served personally or by certified mail, return receipt requested. Copies will be sent to the members of the investigating panel and the complainant. The hearing will be scheduled at least 20 days after service.
- (b) Failure to Appear: If the licensee fails to appear after proper notice has been given, the board shall hold the hearing and make a decision on the charges.
- (c) A quorum of the board shall be a majority of its members.
- (d) Conduct of Hearing; Receipt of Evidence; Argument: The board may admit any evidence it deems of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs. All persons shall testify under oath or affirmation. The licensee or his/her attorney may examine or cross-examine witnesses, inspect documents, and explain or rebut any evidence presented to the board. The assistant attorney general, investigator and licensee may present oral and written argument in addition to evidence, which also shall be made part of the record.

Where a licensee is not represented by counsel the board shall advise the licensee and aid in the examining and cross examining of witnesses as effectively as possible compatible with the impartial discharge of its duties as a body of impartial review.

- (e) Authority of the Chair: The chair shall administer oaths to witnesses, rule on questions of evidence and upon the service of subpoenas and other notices and do whatever is necessary and proper to conduct the hearing in a judicious, fair and expeditious manner.
- (f) Disqualification of a Board Member: A member of the board shall voluntarily disqualify him or herself and withdraw from any hearing in which the member cannot act in a fair and impartial manner, or where the member has an interest in the proceedings. Any party to a hearing may request disqualification of a board member by filing an affidavit stating with particularity the grounds for disqualification. If the board member does not disqualify him or herself in response to the motion, the chair of the board shall decide the issue of disqualification. A hearing shall be held if requested by the moving party or if deemed necessary by the chair. All materials pertinent to a matter of

disqualification shall be made part of the If a board member is disqualified, thereby negating the quorum, the chair shall appoint a hearing officer to decide the matter in the same manner as if the board were presiding.

(g) Judgment of the Board: The board will issue a decision within a reasonable time following the conclusion of the hearing. The decision must be in writing and be signed by the members of the board. The decision shall set forth findings of fact, conclusions of fact and law, and the judgment. If a decision of the board is not unanimous, the decision of the majority will control. The minority may file a dissenting opinion.

The Board promptly shall mail or deliver a copy of its decision to the licensee, the investigating panel and, if appropriate, to the complainant. An order attached to the judgment will go into effect after the end of the 30-day appeal period, if no appeal is filed.

- (h) Appeal from a Decision of the Board: A licensee aggrieved by a judgment of the board may appeal that judgment to the Supreme Court. The board may grant, or the court may order, a stay of the board's order upon application of the licensee.
- (i) Transcripts: A contested case hearing shall be recorded but not transcribed unless a transcript is requested by an interested person. Transcripts will be available for cost. The board will provide an estimate of transcription cost before filling an order for transcript

10. SEVERABILITY CLAUSE AND EFFECTIVE DATE

- (a) In the event any part or provision of these rules is held to be illegal, this shall not have the effect of making void or illegal any of the other parts or provisions of these rules.
- (b) These rules shall take effect September 1,2025 and shall be known as The Vermont Electrical Safety Rules. To achieve an orderly transition for compliance with these rules:
- (c) Electrical installation work in the process of construction at the time of adoption of these rules, or where a work notice has been validated and work is commenced within 30 days of the adoption of these rules, may be completed in accordance with the 2020 Vermont Electrical Safety Rules.

ANNEX I

Title 26: Chapter 15: ELECTRICIANS AND ELECTRICAL INSTALLATIONS

For full text please refer to; https://legislature.vermont.gov/statutes/fullchapter/26/015 Subchapter 1: General Provisions

- § 881. Definitions
- § 882. Exceptions

Subchapter 2: Regulation Of Electrical Installations by Licensing Board

- § 891. Rules adopted by the Board
- § 892. Work in progress
- § 893. Commencement of work; fees; work notice; inspection of work; certificate of completion (final inspection)
- § 894. Energizing installations
- § 895. Issuance of order by commissioner
- § 896. Request for reconsideration; appeals
- § 897. Administrative penalties; enforcement; liability
- § 898. Municipal inspection
- § 899. Private inspections

Subchapter 3: Licensing Electricians

- § 901. Electricians' licensing board
- § 902. Master electricians
- § 903. Journeyman electricians
- § 904. Type-S journeyman electrician
- § 905. Application; examinations and fees
- § 906. Examinations not required
- § 907. Recognition of experience in or out of state
- § 908. Expiration and renewal of licenses; continuing education
- § 909. Revocation, suspension and refusing renewal of license
- § 910. License not required
- § 911. Penalty
- § 913. License fees and licenses
- § 914. Members of board; per diem and expenses
- § 915. Employment of inspectors; appropriation

ANNEX II

SECTION 7.8 ILLUMINATION OF MEANS OF EGRESS (NFPA 101; LIFE SAFETY CODE AS CURRENTLY ADOPTED BY THE VERMONT BUILDING AND FIRE SAFETY RULES) LINK TBD

- 7.8 Illumination of Means of Egress.
- 7.8.1 General.
- 7.8.1.1 * Illumination of means of egress shall be provided in accordance with Section 7.8 for every building and structure where required in Chapter 11 through Chapter 43. For the purposes of this requirement, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of this requirement, exit discharge shall include only designated stairs, aisles, corridors, ramps, escalators, walkways, and exit passageways leading to a public way.
- 7.8.1.1 Illumination of means of egress shall be continuous during the time that the conditions of occupancy require that the means of egress be available for use, unless otherwise provided in 7.8.1.2.2.
- 7.8.1.1.1 Artificial lighting shall be employed at such locations and for such periods of time as are necessary to maintain the illumination to the minimum criteria values herein specified.
- 7.8.1.2.2 Unless prohibited by Chapters 11 through 43, automatic lighting control devices shall be permitted to temporarily turn off illumination within the means of egress, provided that each lighting control device complies with all of the following:
- (1) In new installations, the lighting control device is listed.
- (2) The lighting control device is equipped to automatically energize the controlled lights upon loss of normal power and is evaluated for this purpose.
- (3) Illumination timers are provided and are set for a minimum 15-minute duration.
- (4) The lighting control device is activated by any occupant movement in the area served by the lighting units.
- (5) In new installations, the lighting control device is activated by activation of the building fire alarm system, if provided.
- (6) The lighting control device does not turn off any lights relied upon for activation of photoluminescent exit signs or path markers.
- (7) The lighting control devices does not turn off any battery-equipped emergency luminaries, unit equipment, or exit signs.
- 7.8.1.2.3 * Energy-saving sensors, switches, timers, or controllers shall be approved and shall not compromise the continuity of illumination of the egress required by 7.8.1.2.
- 7.8.1.2 The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in 7.8.1.1 shall be illuminated as follows:
- (1) During conditions of stair use, the minimum illumination for new stairs shall be at least 10 ft-candle (108 lux), measured at the walking surfaces.
- (2) The minimum illumination for floors and walking surfaces, other than new stairs during conditions of the stair use, shall be to values of at least 1 ft-candle (10.8 lux), measured at the floor.

- (3) In assembly occupancies, the illumination of the walking surfaces of exit access shall be at least 0.2 ft-candle (2.2 lux) during periods of performances or projections involving directed light.
- (4) * The minimum illumination requirements shall not apply where operations or processes require low lighting levels.
- 7.8.1.4* Required illumination shall be arranged so that the failure of any single lighting unit does not result in an illumination level of less than 0.2 ft-candle (2.2 lux) in any designated area.
- 7.8.1.3 The equipment or units installed to meet the requirements of Section 7.10 also shall be permitted to serve the function of illumination of means of egress, provided that all requirements of Section 7.8 for such illumination are met.
- 7.8.2 Sources of Illumination.
- 7.8.2.1 Illumination of means of egress shall be from a source considered reliable by the authority having jurisdiction.
- 7.8.2.2 Battery-operated electric lights and other types of portable lamps or lanterns shall not be used for primary illumination of means of egress. Battery- operated electric lights shall be permitted to be used as an emergency source to the extent permitted under Section 7.9.
- N * Addition information may be found in ANNEX A of NFPA 101 Life Safety Code.

ANNEX III - HOW TO OBTAIN STANDARDS AND REFERENCE DOCUMENTS

American Society for Testing and Materials 100 Barr Harbor Drive

PO Box C700

West Conshohocken PA 19428-2959 (610) 832-9500

www.astm.org

National Fire Protection Association (NFPA) Fulfillment Center

11 Tracy Drive

Avon, MA 02322-9910

(800) 344-3555

www.nfpa.org

Underwriters Laboratories Inc.

333 Pfingsten Road Northbrook IL 60062

(877-854-3577)

www.ul.com

IEEE Operations Center

445 Hoes Lane,

Piscataway, N.J.08854-4141 (732) 981-0060

ANNEX IV - HOW TO CONTACT THE DIVISION OF FIRE SAFETY

The Division of Fire Safety has four regional offices:

Waterbury: 45 State Drive

Waterbury, VT 05676

Main Phone: (802) 479-4434 Toll Free: (888) 870-7888

Fax: (802) 479-4446

Rutland: 56 Howe St.

Building A, Suite 200 Rutland, VT 05701

Main Phone: (802) 786-5867 Toll Free: (888) 370-4834 Fax: (802) 768-5872

The Division of Fire Safety Central Office: 45 State Drive, Waterbury, VT 05676

Main Phone: (802) 479-7561

Toll Free: (800) 640-2106 Fax: (802) 479-7562

www.firesafety.vermont.gov

Springfield: 100 Mineral St. Suite 307

Springfield, VT 05156

Main Phone: (802) 216-0500

Fax: (802) 216-0511

Williston:

380 Hurricane Lane

Suite 101

Williston, VT 05495

Main Phone: (802) 879-2300 Toll Free: (800) 366-8325 Fax: (802) 879-2312

N Informational page, not part of the Vermont Electrical Safety Rules. Information on this page may be periodically updated without notice.

Helpful links

Division of Fire Safety website https://firesafety.vermont.gov/

Electrical Licensing Email dps.dfslicensing@vermont.gov

National Electrical Reciprocal Alliance https://www.nerastates.org/vermont Electrical Safety Rules https://firesafety.vermont.gov/sites/firesafety/files/documents/2020%20Electrical%20Rules%20-%20Final%20Copy%20-%203-30-22%20%283%29">https://firesafety.vermont.gov/sites/firesafety/files/documents/2020%20Electrical%20Rules%20-%20Final%20Copy%20-%203-30-22%20%283%29">https://firesafety.vermont.gov/sites/firesafety/files/documents/2020%20Electrical%20Rules%20-%20Final%20Copy%20-%203-30-22%20%283%29">https://firesafety.vermont.gov/sites/firesafety/files/documents/2020%20Electrical%20Rules%20-%20Final%20Copy%20-%203-30-22%20%283%29">https://firesafety/files/documents/2020%20Electrical%20Rules%20-%20Final%20Copy%20-%203-30-22%20%283%29">https://firesafety/files/documents/2020%20Electrical%20Rules%20-

Electrical Work Notice (printable form)

http://firesafety.vermont.gov/sites/firesafety/files/documents/dfs_electrical_wn%2823%29.pdf

Electrical Work Notice Online Permit Portal

 $\frac{\text{https://vt.accessgov.com/electrical-firealarm-wn/Forms/Page/electrical-firealarm-wn/f2878af0-40e6-4746-8ffa-d4013fb8022c/b916cd15-39a3-4300-b566-6fbd3ce5bf97/0}$

Electrical Completion Form Link TBD

Electrical Work Notice online portal https://vt.accessgov.com/electrical-firealarm-wn/f2878af0-40e6-4746-8ffa-d4013fb8022c/b916cd15-39a3-4300-b566-6fbd3ce5bf97/0

Current list of licensed electricians https://data.vermont.gov/Government/Licensed-Electricians/byw8-gs7z/data?gl=1*o230uc*ga*Nzc1MjY3NDE0LjE3MTA1MTg4NDI.*ga_V9WQH77KLW*MTczNjc5Mjg1NC4xMC4xLjE3MzY3OTQ2MjkuMC4wLjA.

Smoke Alarm installation matrix

https://firesafety.vermont.gov/sites/firesafety/files/files/Documents/dfs codesheet residental smoke al arms matrix.pdf

CO Alarm installation matrix

https://firesafety.vermont.gov/sites/firesafety/files/Documents/dfs codesheet co matrix.pdf

Memorandums of clarification Link TBD

Directives, specific to electrical installations, published by the Vermont Division of Fire Safety as a temporary measure and shall last no longer than the next adoption of the Vermont Electrical Safety Rules or be written into the rules of the latest revision of the Vermont Electrical Safety Rules (VESR). Link TBD

Vermont Laws

Title 20, Chapter 173, Prevention and Investigation of Fires Subchapter 002, Division of Fire Safety http://legislature.vermont.gov/statutes/chapter/20/173

Title 20: Internal Security and Public Safety Chapter 174: Accessibility Standards for Public Buildings and **Parking**

https://legislature.vermont.gov/statutes/section/20/174/02900

Title 26: Professions and Occupations Chapter 15: Electricians and Electrical Installations http://legislature.vermont.gov/statutes/chapter/26/015

Other Links

CSA Group https://www.csagroup.org/

DigSafe Contact DigSafe before you dig or drive ground rods. https://digsafe.com

National Electrical Manufacturers Association (NEMA) https://www.nema.org/

NEMA AFCI Unwanted Tripping Report Link to AFCI unwanted-tripping report form

OSHA Current list of Nationally Recognized Testing Laboratories (NRTL's) https://www.osha.gov/nationally-recognized-testing-laboratory-program/current-list-of-nrtls Common but not limited to NRTL's for electrical equipment; UL, ETL, CSA, QPS, TUV, SGS, PTL, FM.

Intertek ETL https://www.intertek.com/

National Fire Protection Association NFPA https://www.nfpa.org/

National Electrical Reciprocal Alliance https://www.nerastates.org/

VERMONT UTILITIES ELECTRIC SERVICE REQUIREMENTS MANUAL

https://greenmountainpower.com/wp-content/uploads/2022/04/VT-Utilities-Electric-Service-Requirements-Manual.pdf

UL Solutions https://www.ul.com/

VERMONT GENERAL ASSEMBLY

The Vermont Statutes Online

The Statutes below include the actions of the 2024 session of the General Assembly.

NOTE: The Vermont Statutes Online is an unofficial copy of the Vermont Statutes Annotated that is provided as a convenience.

Title 26: Professions and Occupations

Chapter 015: Electricians and Electrical Installations

Subchapter 002: REGULATION OF ELECTRICAL INSTALLATIONS BY LICENSING BOARD

(Cite as: 26 V.S.A. § 891)

§ 891. Rules adopted by Board

The Electricians' Licensing Board created under section 901 of this title may adopt, amend, revise, and repeal rules providing reasonable standards and requirements applicable to any electrical installation as defined in section 881 of this title, except as provided in sections 882 and 892 of this title. The Board, if it finds it practicable to do so, may adopt the provisions of a nationally recognized electrical code under authority of this section. (Added 1969, No. 284 (Adj. Sess.), § 3; amended 1987, No. 274 (Adj. Sess.), § 3.)

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OFFICE OF THE SECRETARY OF STATE VERMONT STATE ARCHIVES & RECORDS ADMINISTRATION (VSARA)

(802) 828-2863

то:	Seven Days Legals (legals@sevendaysvt.com)	Tel: (802) 865-1020 x110.
	The Caledonian Record Julie Poutré (adv@caledonian-record.com)	Tel: 748-8121 FAX: 748-1613
	Times Argus / Rutland Herald Classified Ads (classified.ads@rutlandherald.com)	Tel: 802-747-6121 ext 2238 FAX: 802-776-5600
	The Valley News (advertising@vnews.com)	Tel: 603-298-8711 FAX: 603-298-0212
	The Addison Independent (legals@addisonindependent.com)	Tel: 388-4944 FAX: 388-3100 Attn: Display Advertising
	The Bennington Banner / Brattleboro Reformer Lylah Wright (lwright@reformer.com)	Tel: 254-2311 ext. 132 FAX: 447-2028 Attn: Lylah Wright
	The Chronicle (ads@bartonchronicle.com)	Tel: 525-3531 FAX: 525-3200
	Herald of Randolph (ads@ourherald.com)	Tel: 728-3232 FAX: 728-9275 Attn: Brandi Comette
	Newport Daily Express (<u>jlafoe@newportvermontdailyexpress.com</u>)	Tel: 334-6568 FAX: 334-6891 Attn: Jon Lafoe
	News & Citizen (mike@stowereporter.com)	Tel: 888-2212 FAX: 888-2173
	St. Albans Messenger Legals (legals@samessenger.com; cfoley@orourkemediagroup.com)	Tel: 524-9771 ext. 117 FAX: 527- 1948 Attn: Legals
	The Islander (<u>islander@vermontislander.com</u>)	Tel: 802-372-5600 FAX: 802-372-3025
	Vermont Lawyer (hunter.press.vermont@gmail.com)	Attn: Will Hunter

FROM: APA Coordinator, VSARA **Date of Fax:** September 18, 2025

RE: The "Proposed State Rules" ad copy to run on **July 3, 2025**

PAGES INCLUDING THIS COVER MEMO: 3

NOTE 8-pt font in body. 12-pt font max. for headings - single space body. Please include dashed lines where they appear in ad copy. Otherwise minimize the use of white space. Exceptions require written approval.

If you have questions, or if the printing schedule of your paper is disrupted by holiday etc. please contact VSARA at 802-828-3700, or E-Mail sos.statutoryfilings@vermont.gov, Thanks.

PROPOSED STATE RULES

By law, public notice of proposed rules must be given by publication in newspapers of record. The purpose of these notices is to give the public a chance to respond to the proposals. The public notices for administrative rules are now also available online at https://secure.vermont.gov/SOS/rules/. The law requires an agency to hold a public hearing on a proposed rule, if requested to do so in writing by 25 persons or an association having at least 25 members.

To make special arrangements for individuals with disabilities or special needs please call or write the contact person listed below as soon as possible.

To obtain further information concerning any scheduled hearing(s), obtain copies of proposed rule(s) or submit comments regarding proposed rule(s), please call or write the contact person listed below. You may also submit comments in writing to the Legislative Committee on Administrative Rules, State House, Montpelier, Vermont 05602 (802-828-2231).

2025 Vermont Fire & Building Safety Code.

Vermont Proposed Rule: 25P022

AGENCY: Department of Public Safety - Division of Fire Safety

CONCISE SUMMARY: The 2025 Vermont Fire & Building Safety Code establishes the minimum standards to protect the public from the risks of fire, explosion, hazardous materials, dangerous structural conditions and carbon monoxide poisoning within public buildings. These amended rules provide updates and incorporate more recent editions of the same national codes and standards that are currently adopted. These rules include requirements for the addition of carbon monoxide detection in some occupancies, protection of lithium-ion batteries, building energy storage systems, escape window clarifications, sprinkler system, requirement modifications, and the inclusion of grab bars to prevent slips and falls. These amendments are also intended to provide clarity of the intent of currently adopted codes and standards and to incorporate existing interim operational guidance.

FOR FURTHER INFORMATION, CONTACT: Landon Wheeler, Division of Fire Safety, 45 State Drive Waterbury, VT 05671 Tel: 802-479-7566 Fax: 802-479-7562 E-Mail: Landon.Wheeler@vermont.gov URL:

https://firesafety.vermont.gov/.

FOR COPIES: Michael Desrochers, Division of Fire Safety, 45 State Drive Waterbury, VT 05671 Tel: 802-479-7566 Fax: 802-479-7562 E-Mail: landon.wheeler@vermont.gov

2023 Vermont Electrical Safety Rules.

Vermont Proposed Rule: 25P023

AGENCY: Electricians Licensing Board

CONCISE SUMMARY: The Proposed 2023 Vermont Electrical Safety Rules (VESR) will update the technical codes and standards, including the adoption of the 2023 edition of the National Electrical Code (NEC) also known as the National Fire Protection Association (NFPA) 70. This will better coordinate the license examination with the state apprenticeship program, establish an expiration date for a permit and a process for refunding permit fees. These rules also provide requirements for filing an electrical work notice, inspection

and energizing procedures, details powers of enforcement and licensing disciplinary procedure.

FOR FURTHER INFORMATION, CONTACT: Dennis Blair, Dept. of Public Safety-Division of Fire Safety, 45 State Drive, Waterbury, Vermont 05671 Tel: 802-760-7408 Fax: 802-479-4446 E-Mail: dennis.blair@vermont.gov URL: https://firesafety.vermont.gov/.

FOR COPIES: Landon Wheeler, Dept. of Public Safety-Division of Fire Safety, 45 State Drive, Waterbury, Vermont 05671 Tel: 802-479-7566 Fax: 802-479-4446 E-Mail: landon.wheeler@vermont.gov.

The 2025 Vermont Plumbing Rules.

Vermont Proposed Rule: 25P024

AGENCY: Plumbers Examination Board

CONCISE SUMMARY: The primary focus of these rules is to update the currently adopted 2021 International Plumbing Code to the 2024 edition. The 2024 International Plumbing Code and updated rules will allow for more current methods and materials to be utilized. Rules are amended to clarify intent of the code and answer frequently asked questions. Some of the new changes include gender neutral/multi user restroom provisions, a clarification of specialist license fields, new definitions, additional clarifications and terminology.

FOR FURTHER INFORMATION, CONTACT: John A. Hammer, Dept. of Public Safety, Division of Fire Safety, 45 State Drive Waterbury, VT 05671 Tel: 802-249-0271 Fax: 802-479-7562 E-Mail: john.hammer@vermont.gov URL: https://firesafety.vermont.gov/.

FOR COPIES: Landon Wheeler, Dept. of Public Safety-Division of Fire Safety, 45 State Drive, Waterbury, Vermont 05671 Tel: 802-479-7566 Fax: 802-479-7562 E-Mail: landon.wheeler@vermont.gov.



Proposed Rules Postings A Service of the Office of the Secretary of State

- <u>Vermont.gov</u>
- Feedback
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- APA Site
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Deadline For Public Comment

Deadline: Aug 05, 2025

The deadline for public comment has expired. Contact the agency or primary contact person listed below for assistance.

Rule Details

Rule Number: 25P023

Title: 2023 Vermont Electrical Safety Rules.

Type: Standard Status: Proposed

Agency: Electricians Licensing Board

Legal Authority: 26 VSA § 891

Summary: The Proposed 2023 Vermont Electrical Safety Rules

(VESR) will update the technical codes and

standards, including the adoption of the 2023 edition of the National Electrical Code (NEC) also known as the National Fire Protection Association (NFPA) 70. This will better coordinate the license examination

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with the state apprenticeship program, establish an expiration date for a permit and a process for refunding permit fees. These rules also provide requirements for filing an electrical work notice, inspection and energizing procedures, details powers of enforcement and licensing disciplinary procedure.

The fire service, property owners and the general public are affected by these rules with the reduction of fires and shock hazards. State and municipal government entities that own or operate buildings are affected by these rules in the same manner as private building owners. The updated code will assist electricians, engineers and architects with the purchase, specification, design and installation of electrical systems. Owner occupied, single family dwellings and working farms, defined under 20 VSA 2730 are not generally affected by the rule.

Updating the Vermont Electrical Safety Rules to include the most recent editions of the codes and standards will simplify electrical installation work and recognize new technology. These rules are not significantly different from the 2020 rules. Where rule changes have been made to improve public safety, there has not been a significant increase in cost for electrical installation work, however availability of components and materials may be a driver of increased costs. Changes have been made

costs where there is not an adverse effect.

Electricians and others who work in the electrical trades may need to purchase the 2023 National Electrical Code at the cost of \$145.00 or subscribe to on-line access the National Electrical Code or other

to the Vermont Electrical Safety Rules to reduce

on-line subscription options.

Posting date: Jun 25,2025

Hearing Information

Persons Affected:

Economic Impact:

Information for Hearing #1

Hearing date: 07-25-2025 09:00 AM ADD TO YOUR CALENDAR

Location: Alumni Hall

Address: 20 Auditorium Hill

City: Barre
State: VT
Zip: 05641

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Also virtually via MS Teams at: https://

www.microsoft.com/en-us/microsoft-teams/join-a-meeting Meeting ID: 280 583 322 082 Passcode:

Hearing Notes: Mk3qL6NY Dial in by phone +1

802-828-7667,,224348786# United States,
Montpelier Phone conference ID: 224-348-786#

Montpelier Phone conference ID: 224 348 786#

Contact Information

Information for Primary Contact

PRIMARY CONTACT PERSON - A PERSON WHO IS ABLE TO ANSWER QUESTIONS ABOUT THE CONTENT OF THE RULE.

Level: Primary

Name: Dennis Blair

Agency: Department of Public Safety -

Division of Fire Safety

Address: 45 State Drive

City: Waterbury

State: VT

Zip: 05671

Telephone: 802-760-7408 Fax: 802-479-4446

Email: dennis.blair@vermont.gov

SEND A COMMENT

Website Address: https://firesafety.vermont.gov/

VIEW WEBSITE

Information for Secondary Contact

SECONDARY CONTACT PERSON - A SPECIFIC PERSON FROM WHOM COPIES OF FILINGS MAY BE REQUESTED OR WHO MAY ANSWER QUESTIONS ABOUT FORMS SUBMITTED FOR FILING IF DIFFERENT FROM THE PRIMARY CONTACT PERSON.

Level: Secondary

Name: Landon Wheeler

Department of Public Safety -

Division of Fire Safety

Address: 45 State Drive City: Waterbury

State: VT

Agency:

Zip: 05671

Telephone: 802-479-7566 Fax: 802-479-4446

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Email: landon.wheeler@vermont.gov

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Keyword Information

Keywords:

Vermont Division of Fire Safety - electrical and

electricity

Electrical safety rules Electrical code adoption

Electrical Licensing

Electrical Permits

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