

1 H.114

2 Introduced by Representatives McCullough of Williston, Stevens of

3 Waterbury and Shaw of Pittsford

4 Referred to Committee on

5 Date:

6 Subject: Professions and occupations; electricians and electrical installations;
7 energizing installations

8 Statement of purpose: This bill proposes to require that any existing electrical
9 installation in any structure, including a single-family owner-occupied
10 residence, that is disconnected as a result of an emergency affecting the
11 internal electrical circuits not be reconnected until it has been inspected by a
12 licensed journeyman or master electrician.

13 An act relating to electrical installations

14 It is hereby enacted by the General Assembly of the State of Vermont:

15 ~~Sec. 1. 26 V.S.A. § 894 is amended to read:~~

16 ~~§ 894. ENERGIZING INSTALLATIONS; REENERGIZING AFTER~~
17 ~~EMERGENCY DISCONNECTION~~

18 ~~(a) A new electrical installation in or on a complex structure; or an~~
19 ~~electrical installation used for the testing or construction of a complex structure~~
20 ~~shall not be connected or caused to be connected, to a source of electrical~~

1 ~~energy unless prior to such connection, either a temporary or a permanent~~
2 energizing permit is issued for that installation by the commissioner or an
3 electrical inspector.

4 (b) An existing electrical installation in any structure, including a
5 single-family owner-occupied freestanding residence, that was disconnected as
6 the result of an emergency that affects the internal electrical circuits, shall not
7 be reconnected to a source of electrical energy until the electrical installation
8 has been inspected and determined to be safe by a licensed journeyman or
9 licensed master electrician.

10 (c) This section shall not be construed to limit or interfere with a
11 contractor's right to receive payment for electrical work for which a certificate
12 of completion has been granted.

13 Sec. 2. 26 V.S.A. § 904(a) is amended to read:

14 (a) To be eligible for licensure as a type-S journeyman an applicant shall:

15 (1) complete an accredited training and experience program recognized
16 by the board; or

17 (2) have had training and experience, within or without this state,
18 acceptable to the board; and

19 (3) pass an examination to the satisfaction of the board in one or more of
20 the following fields:

21 (A) Automatic gas or oil heating;

- 1 ~~(B) Outdoor advertising;~~
- 2 (C) Refrigeration or air conditioning;
- 3 (D) Appliance and motor repairs;
- 4 (E) Well pumps;
- 5 (F) Farm equipment;
- 6 (G) Renewable energy systems for one- and two-family dwellings;
- 7 (H) Any miscellaneous specified area of specialized competence.

8 Sec. 3. 26 V.S.A. § 910 is amended to read:

9 § 910. LICENSE NOT REQUIRED

10 A license shall not be required for the following types of work:

- 11 (1) Any electrical work, including construction, installation, operation,
12 maintenance, and repair of electrical installations in, on or about equipment or
13 premises, which are owned or leased by the operator of any industrial or
14 manufacturing plant, if the work is done under the supervision of an electrical
15 engineer or master electrician in the employ of the operator;
- 16 (2) Installation in laboratories of exposed electrical wiring for
17 experimental purposes only;
- 18 (3) Any electrical work by ~~an~~ the owner ~~or his or her regular employees~~
19 in the ~~owner's~~ owner-occupied freestanding single unit residence, ~~in and~~
20 outbuildings accessory to ~~such~~ the freestanding single unit residence or any
21 structure on owner-occupied farms;

1 ~~(4) Electrical installations performed as a part of a training project of a~~
2 vocational school or other educational institution. However, the installation
3 shall be inspected if the building in which the installation is made, is to be used
4 as a “complex structure”;

5 (5) Electrical work performed by an electrician’s helper under the direct
6 supervision of a person who holds an appropriate license issued under this
7 chapter;

8 (6) Any electrical work in a building used for dwelling or residential
9 purposes which contains no more than two dwelling units;

10 (7) Installation of solar electric modules and racking on complex
11 structures to the point of connection to field-fabricated wiring and erection of
12 net metered wind turbines.

13 Sec. 4. EFFECTIVE DATE; TRANSITIONAL PROVISIONS

14 (a) This act shall take effect on passage.

15 (b) In order to provide time for the electrical licensing board to develop
16 and conduct a test for a type-S journeyman’s license for renewable energy
17 installation and for renewable energy installers to complete the licensing
18 requirements, a license shall not be required for renewable energy installations
19 until 12 months after the electrical licensing board adopts the test and licensing
20 procedure.

Sec. 1. 26 V.S.A. § 894 is amended to read:

§ 894. ENERGIZING INSTALLATIONS; REENERGIZING AFTER
EMERGENCY DISCONNECTION

(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 commissioner or an electrical inspector.*

(b) *An existing electrical installation in any structure, including a single-family owner-occupied freestanding residence, that was disconnected as the result of an emergency that affects the internal electrical circuits, shall not be reconnected to a source of electrical energy until the electrical installation has been inspected and determined to be safe by a licensed journeyman or licensed master electrician.*

(c) *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.*

Sec. 2. 26 V.S.A. § 904(a) is amended to read:

(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 fields:*

(A) Automatic gas or oil heating;

(B) Outdoor advertising;

(C) Refrigeration or air conditioning;

(D) Appliance and motor repairs;

(E) Well pumps;

(F) Farm equipment;

(G) Renewable energy systems for one- and two-family dwellings;

(H) Any miscellaneous specified area of specialized competence.

Sec. 3. 26 V.S.A. § 910 is amended to read:

§ 910. LICENSE NOT REQUIRED

A license shall not be required for the following types of work:

(1) Any electrical work, including construction, installation, operation, maintenance, and repair of electrical installations in, on or about equipment or premises, which are owned or leased by the operator of any industrial or manufacturing plant, if the work is done under the supervision of an electrical engineer or master electrician in the employ of the operator;

(2) *Installation in laboratories of exposed electrical wiring for experimental purposes only;*

(3) *Any electrical work by ~~an~~ the owner and any unpaid assistants ~~or his or her regular employees~~ in the ~~owner's~~ owner-occupied freestanding single unit residence, ~~in~~ and outbuildings accessory to ~~such~~ the freestanding single unit residence or any structure on owner-occupied farms;*

(4) *Electrical installations performed as a part of a training project of a vocational school or other educational institution. However, the installation shall be inspected if the building in which the installation is made, is to be used as a "complex structure";*

(5) *Electrical work performed by an electrician's helper under the direct supervision of a person who holds an appropriate license issued under this chapter;*

(6) *~~Any electrical work in a building used for dwelling or residential purposes which contains no more than two dwelling units.~~*

(7) *Installation of solar electric modules and racking on complex structures to the point of connection to field-fabricated wiring and erection of net metered wind turbines.*

Sec. 4. EFFECTIVE DATE; TRANSITIONAL PROVISIONS

(a) This act shall take effect on passage.

(b) In order to provide time for the electrical licensing board to develop and conduct a test for a type-S journeyman's license for renewable energy installation and for renewable energy installers to complete the licensing requirements, a license shall not be required for renewable energy installations until 12 months after the electrical licensing board adopts the test and licensing procedure.