

1 S.261

2 Introduced by Senator Flory

3 Referred to Committee on Government Operations

4 Date: January 7, 2014

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

7 Statement of purpose of bill as introduced: This bill proposes to require that  
8 any existing electrical installation that is disconnected as a result of an  
9 emergency affecting the internal electrical circuits not be reconnected until it  
10 has been inspected by a licensed journeyman or master electrician.

11 An act relating to electrical installations

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

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

14 § 894. ENERGIZING INSTALLATIONS; REENERGIZING AFTER  
15 EMERGENCY DISCONNECTION

16 (a) A new electrical installation in or on a complex structure or an electrical  
17 installation used for the testing or construction of a complex structure shall not  
18 be connected or caused to be connected, to a source of electrical energy unless  
19 ~~prior to such the connection, either a temporary or a permanent energizing~~

1 ~~permit is issued for that installation by the commissioner Commissioner or an~~  
2 electrical inspector.

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

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

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

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

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

16 (2) have had training and experience, within or ~~without~~ outside this ~~state~~  
17 State, acceptable to the ~~board~~ Board; and

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

20 (A) ~~Automatic~~ automatic gas or oil heating;

21 (B) ~~Outdoor~~ outdoor advertising;

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

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

8        § 910. LICENSE NOT REQUIRED

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

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

14 In order to provide time for the Electrical Licensing Board to develop and  
15 conduct a test for a type-S journeyman's license for renewable energy  
16 installation and for renewable energy installers to complete the licensing  
17 requirements, a license shall not be required for renewable energy installations  
18 until 12 months after the Electrical Licensing Board adopts the test and  
19 licensing procedure.

#### 20 Sec. 5. EFFECTIVE DATE

21 ~~This act shall take effect on passage.~~

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~~ the connection, either a temporary or a permanent energizing permit is issued for that installation by the ~~commissioner~~ Commissioner or an electrical inspector.

(b) An existing electrical installation in any structure, including a single-family owner-occupied freestanding residence, 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. This subsection does not include the use of a generator due to an external loss of power.

(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~~ Board; or

(2) have had training and experience, within or ~~without~~ outside this ~~state~~ State, acceptable to the ~~board~~ Board; and

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

(A) ~~Automatic~~ automatic gas or oil heating;

(B) ~~Outdoor~~ outdoor advertising;

(C) ~~Refrigeration~~ refrigeration or air conditioning;

(D) ~~Appliance~~ appliance and motor repairs;

(E) ~~Well~~ well pumps;

(F) ~~Farm~~ farm equipment;

(G) ~~Any~~ 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 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.~~

~~(7) Installation of solar electric systems, including modules, racking, inverters, and the balance of the system on freestanding single-family and two-family dwellings up to and including the point of connection with the existing electrical system, that connection being one or more back-fed breakers in an existing breaker panel.~~

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 or his or her regular employees in the owner's owner-occupied freestanding single unit residence, or duplex as defined in subdivision (6) of this section 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~~;" 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, provided that at least one unit is owner-occupied.*

*(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.*

*(8) Installation of solar electric systems, including modules, racking, and inverters, and the balance of the system on freestanding single-family and two-family dwellings up to and including the point of connection with the existing electrical system, that connection being one or more back-fed breakers in an existing breaker panel.*

#### *Sec. 4. EFFECTIVE DATE*

*This act shall take effect on passage.*