1	TO THE HOUSE OF REPRESENTATIVES:
2	The Committee on General, Housing and Military Affairs to which was
3	referred House Bill No. 108 entitled "An act relating to electrical installations"
4	respectfully reports that it has considered the same and recommends that the
5	bill be amended by striking all after the enacting clause and inserting in lieu
6	thereof the following:
7	Sec. 1. 26 V.S.A. chapter 15 is amended to read:
8	CHAPTER 15. ELECTRICIANS AND ELECTRICAL INSTALLATIONS
9	Subchapter 1. General Provisions
10	§ 881. DEFINITIONS
11	As used in this chapter, unless the context clearly requires otherwise:
12	(1) "Board" means the electricians' licensing board Electricians'
13	Licensing Board created under this chapter.
14	(2) "Commissioner" means the Commissioner of Public Safety.
15	(3) "Complex structure" shall have the same meaning as the term
16	"public building" as defined in 20 V.S.A. § 2900(8).
17	(4) "Electrical inspector" means a state <u>State</u> electrical inspector
18	employed pursuant to section 915 of this title.
19	(5) "Electrical installation" means wires, fixtures, or apparatus installed
20	in a complex-structure or at the construction site of such a structure for the

1	transmission and use of commercially supplied or privately generated electrical
2	energy.
3	(6) "Electrician's helper" means a person assisting in the construction,
4	installation, or repair of an electrical installation under the direct supervision of
5	a master or journeyman electrician who is present at the work site.
6	(7) "Legislative body" means the board of selectmen of a town, the
7	board of aldermen or city council of a city, or the board of trustees of an
8	incorporated village.
9	(8) "Municipal inspector" means an electrical inspector authorized to
10	conduct municipal inspections pursuant to section 898 of this title.
11	(9) "Registered apprentice" means an apprentice registered with the
12	apprenticeship division of the state department of labor Apprenticeship
13	Division for the State Department of Labor for electrical training.
14	(10) "Work notice" means the notice required to be filed under this
15	chapter by an electrician prior to commencement of electrical work.
16	* * *

1	Subchapter 2. Regulation of Electrical Installations by Licensing Board
2	* * *
3	§ 893. COMMENCEMENT OF WORK; FEES; WORK NOTICE;
4	INSPECTION OF WORK; CERTIFICATE OF COMPLETION
5	(a) Electrical work in a complex structure <u>A person</u> shall not commence
6	work on an electrical installation in a complex structure until he or she submits
7	a work notice accompanied by the required fee is submitted to the department
8	Department and the work notice is validated by the department Department
9	validates the work notice. There shall be a base fee of \$40.00 for each work
10	notice, except for electrical work done on an electrical installation in one and
11	two family residential dwellings. In addition to the base fee, the
12	Commissioner shall charge the following fees shall be charged:
13	(1) Services
14	(A) Temporary—\$30.00.
15	(B) Permanent—1 phase and 3 phase through 400 amp—\$35.00.
16	(C) Permanent—401 to 800 amp—\$50.00.
17	(D) Permanent—801 amp and larger—\$100.00.
18	(2) Transformers
19	(A) 1 to 25 KVA—\$10.00 each.
20	(B) 26 to 75 KVA—\$15.00 each.
21	(C) 76 to 200 KVA—\$25.00 each.

1	(D) Over 200 KVA—\$35.00 each.
2	(3) Motors and Generators
3	(A) Up to 5 hp, KW, KVA—\$10.00 each.
4	(B) 5 to 25 hp, KW, KVA—\$10.00 each.
5	(C) 25 to 100 hp, KW, KVA—\$15.00 each.
6	(D) Over 100 hp, KW, KVA—\$25.00 each.
7	(4) Other electrical work
8	(A) Each panel and feeder after the main disconnect—\$35.00.
9	(B) Outlets for receptacles, switches, fixtures, electric baseboard (per
10	50 units or portion thereof)—\$20.00.
11	(C) Yard lights signs—\$5.00 each.
12	(D) Fuel oil, kerosene, LP, natural gas, and gasoline pumps—\$15.00
13	each.
14	(E) Boilers, furnaces, and other stationary appliances—\$10.00 each.
15	(F) Elevators—\$75.00 each.
16	(G) Platform lifts—\$40.00 each.
17	(H) Fire alarm initiating, signaling, and associated devices (per 50
18	units or portions thereof)—\$30.00.
19	(I) Fire alarm main panel and annunciator panels—\$50.00 each.
20	(J) Fire pumps—\$50.00.

1	(5) Reinspection fee. For each reinspection for code violations, there
2	will be a fee of \$125.00.
3	(b) The commissioner Commissioner may establish inspection priorities for
4	electrical inspections. Priorities shall be based on the relative risks to persons
5	and property, the type and size of the complex structure, and the type and
6	number of electrical installations to be installed. Electrical installations
7	regulated by the board Board shall be inspected by the commissioner
8	Commissioner or an electrical inspector in accordance with the procedures and
9	priorities established by the commissioner Commissioner.
10	(c) An <u>A person shall not cover an</u> electrical installation in any part of a
11	complex structure shall not be covered unless it is inspected by an electrical
12	inspector. The provisions of this subsection may be specifically waived by an
13	electrical inspector or if an electrical inspector waives the inspection
14	requirement in writing. Upon completion of a new electrical installation, the
15	applicant shall request a final inspection by an electrical inspector in writing.
16	Within five working days of receipt of the application, the commissioner
17	Commissioner, or inspector, shall conduct an inspection, establish a reasonable
18	date for inspection, or issue a waiver of inspection.
19	(d) A <u>The Commissioner shall issue a</u> certificate of completion shall be
20	issued if the commissioner Commissioner or electrical inspector determines

1	after inspection that the <u>electrical</u> installation is in compliance with the
2	standards and requirements adopted by the board Board.
3	(e) No part of a complex structure, in which part a new electrical
4	installation has been made, shall be sold or conveyed for use or occupancy A
5	person shall not sell, convey, occupy, or use any part of a complex structure in
6	which an electrical installation has been installed without first securing a
7	certificate of completion for the new electrical installation.
8	(f) The commissioner Commissioner or an inspector designated by the
9	commissioner Commissioner shall have authority to enter any premises in
10	which an electrical installation subject to the rules of the board Board is being
11	or has been installed, replaced, or repaired for the purpose of making such an
12	inspection as is necessary to carry out his or her responsibilities under this
13	subchapter. If the owner or occupant of the premises refuses to permit entry by
14	the commissioner Commissioner, or an electrical inspector, any superior court
15	Superior Court, on application of the commissioner Commissioner, shall have
16	jurisdiction to issue an order enforcing such right of entry.
17	(g) The Board may use its authority to adopt rules under section 891 of this
18	title to apply the requirements of this section to electrical installations in one
19	and two family residential dwellings.

1	§ 894. ENERGIZING INSTALLATIONS; REENERGIZING AFTER
2	EMERGENCY DISCONNECTION
3	(a) A person shall not connect a new electrical installation in or on a
4	complex structure or an electrical installation used for the testing or
5	construction of a complex structure shall not be connected or caused to be
6	connected, to a source of electrical energy unless the Commissioner or an
7	electrical inspector issues a temporary or permanent energizing permit prior to
8	such the connection, either a temporary or a permanent energizing permit is
9	issued for that installation by the commissioner or an electrical inspector.
10	(b)(1) A person shall not connect an existing electrical installation that was
11	disconnected as the result of an emergency to a source of electrical energy until
12	a licensed journeyman electrician or licensed master electrician inspects the
13	electrical installation and determines the installation to be safe.
14	(2) This subsection does not apply to the use of a generator due to an
15	external loss of power.
16	(c) This section shall not be construed to limit or interfere with a
17	contractor's right to receive payment for electrical work for which a certificate
18	of completion has been granted.
19	* * *

1	§ 899. PRIVATE INSPECTIONS
2	(a) Upon a determination that the resources of the state <u>State</u> and the
3	municipality are insufficient to provide the approval or inspection services
4	required by this chapter, the commissioner Commissioner may assign
5	responsibility for inspecting electrical installations on its own premises to a
6	private corporation, partnership, or sole proprietorship person that has an
7	ongoing need for services. Applications to conduct private inspections under
8	this section shall be in the manner prescribed by the commissioner
9	Commissioner.
10	(b) The commissioner Commissioner may grant an application under this
11	section if he or she determines that the applicant has the ability to carry out
12	inspections. The commission Commissioner shall consider at least the
13	following factors:
14	(1) the size of the facility;
15	(2) self-insurance or other indication of incentive and motivation for
16	safety;
17	(3) whether the applicant's training program for inspectors and
18	inspection procedures are at least equivalent to the state's State's program and
19	procedures.
20	(c) A person authorized to perform private inspections under this section
21	shall:

1	(1) participate in state-sponsored State-sponsored training programs;
2	(2) file monthly reports with the commissioner Commissioner
3	containing the number and type of inspections, electrical installations,
4	violations for that month, and the license numbers of the electrical contractors
5	performing work;
6	(3) permit electrical inspectors to perform random inspections of the
7	applicant's facility;
8	(4) pay the department <u>Department</u> an annual flat fee. The amount of
9	the fee shall be negotiated by the department Department and the applicant and
10	shall take into consideration the cost to the applicant of conducting private
11	inspections. The fee shall not exceed the fee established under section 893 of
12	this title.
13	(d) The commissioner Commissioner may revoke an approval to conduct
14	private inspections whenever the commissioner Commissioner determines that
15	the training program is insufficient or that the business has failed to comply
16	with the provisions of subdivisions $(c)(1)$ -(3) of this section.
17	Subchapter 3.: Licensing Electricians
18	* * *
19	§ 904. TYPE-S JOURNEYMAN ELECTRICIAN
20	(a) To be eligible for licensure as a type-S journeyman, an applicant shall:

1	(1) complete an accredited training and experience program recognized
2	by the <del>board</del> <u>Board</u> ; or
3	(2) have had training and experience, within or without outside this state
4	State, acceptable to the board Board; and
5	(3) pass an examination to the satisfaction of the board Board in one or
6	more of the following fields:
7	(A) Automatic <u>automatic</u> gas or oil heating;
8	(B) Outdoor outdoor advertising;
9	(C) Refrigeration refrigeration or air conditioning;
10	(D) Appliance appliance and motor repairs;
11	(E) Well well pumps;
12	(F) Farm farm equipment;
13	(G) solar installations;
14	(H) Any miscellaneous specified an area of specialized competence
15	specified by the Commissioner.
16	(b) Upon successful completion of the examination and payment of the
17	required fee for each field in which a license is to be issued, the applicant shall
18	receive a license in the form of a wallet-size card which shall be carried at all
19	times while performing his or her trade and shall be displayed upon request.
20	Upon request of the licensee and upon payment of the required fee, the board
21	Board shall issue a license certificate suitable for framing.

1	* * *
2	§ 906. QUALIFIED OUT-OF-STATE LICENSEES; EXAMINATIONS NOT
3	REQUIRED
4	Licenses shall be issued without examination on payment of the required
5	fee. A The Commissioner shall issue a master's or, journeyman's, or type-S
6	journeyman's license, as the case may be, shall be issued without examination
7	on payment of the required fee to a person to whom a master electrician's
8	license or a, journeyman electrician's, or substantially equivalent type-S
9	journeyman's license has been previously issued by another state, whose
10	provided that:
11	(1) the issuing State has adopted standards that are equivalent to those of
12	this state, State; and
13	(2) if under the laws or regulations of the state issuing the license a
14	similar privilege is granted to electricians licensed under the laws of this state
15	State.
16	§ 907. RECOGNITION OF EXPERIENCE IN OR OUT OF STATE
17	The board Board, in determining the qualifications of an applicant for a
18	license, may in its discretion give recognition;
19	(1) in the case of an application for a master's license, to the applicant's
20	experience as a licensed journeyman in another state, or;

1	(2) in the case of an application for a journeyman's license, to an
2	apprenticeship served in another state, or;
3	(3) in the case of an application for a type-S journeyman's license, to an
4	apprenticeship or to work experience in the relevant field in this State or in
5	another State; or
6	(4) may otherwise give recognition to experience or prior qualifications.
7	* * *
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 owner or his or her regular employees in
18	the owner's freestanding single unit or two-unit residence, in outbuildings
19	accessory to such freestanding single unit his or her residence, or any structure
20	on <u>an</u> owner-occupied <del>farms;</del> <u>farm.</u>

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"; or occupied following the training.
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 <del>;</del> .
8	(6) Any electrical work in a building used for dwelling or residential
9	purposes which contains no more than two dwelling units; [Repealed.]
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. [Repealed.]
13	* * *
14	Sec. 2. EFFECTIVE DATES
15	This act shall take effect on July 1, 2015, except that the amendments to
16	26 V.S.A. § 910 in Sec. 1 shall take effect on July 1, 2017.
17	
18	(Committee vote:)
19	
20	Representative
21	FOR THE COMMITTEE

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