

AMENDED IN SENATE SEPTEMBER 5, 2001

AMENDED IN SENATE AUGUST 28, 2001

AMENDED IN SENATE AUGUST 20, 2001

AMENDED IN SENATE JULY 10, 2001

AMENDED IN SENATE JULY 2, 2001

AMENDED IN SENATE JUNE 25, 2001

CALIFORNIA LEGISLATURE—2001–02 SECOND EXTRAORDINARY SESSION

ASSEMBLY BILL

No. 48

Introduced by Assembly Member Wright

May 22, 2001

An act to amend Section 25619 of, and to add Chapter 5.1 (commencing with Section 25406) to Division 15 of, the Public Resources Code, and to add Section 9618 to the Unemployment Insurance Code, relating to energy.

LEGISLATIVE COUNSEL'S DIGEST

AB 48, as amended, Wright. Energy conservation.

(1) Existing law requires the State Energy Resources Conservation and Development Commission to prescribe, by regulation, lighting, an insulation climate control system, and other building design and construction standards that increase the efficiency in the use of energy for new residential and new nonresidential buildings and to provide an energy conservation manual that includes a prescriptive method of complying with the standards.

This bill would enact the Solar Training, Education, and Certification Act of 2001. The bill would authorize cities, counties, and cities and counties to implement a program that implements applicable building standards requiring the use of solar water heating or photovoltaic systems in construction projects.

(2) Existing law requires the State Energy Resources and Conservation Commission to develop a grant program to offset a portion of the cost of an eligible solar energy system, as defined. Existing law requires that eligible solar energy systems for electricity generation be listed by a certified testing agency.

This bill would require that, in the absence of certification, major components of eligible solar energy systems for electricity generation comply with specifications adopted by the commission.

(3) Existing law establishes in state government the Employment Development Department, and specifies its powers and duties.

This bill would require the department, ~~in consultation with the State Energy Resources Conservation and Development Commission and the Contractors' State License Board,~~ to administer a solar training ~~and oversight~~ program, as specified, ~~and to coordinate with the Division of Apprenticeship Standards and the State Contractors' License Board~~ to ensure that solar energy product and service providers in California possess ~~adequate skills and training~~ and maintain the necessary skills, training, and certification.

Vote: majority. Appropriation: no. Fiscal committee: yes. State-mandated local program: no.

The people of the State of California do enact as follows:

- 1 SECTION 1. (a) This act shall be known, and may be cited,
- 2 as the Solar Training, Education, and Certification Act of 2001.
- 3 (b) The Legislature finds and declares all of the following:
- 4 (1) California's increasing energy needs require the
- 5 development of alternative energy resources, including solar
- 6 energy for the production of heat and electricity.
- 7 (2) California leads the nation and ranks as a world leader in the
- 8 development of technologies and programs to accelerate the use of
- 9 solar energy.
- 10 (3) A training and certification program authorized by the
- 11 Legislature and administered by the Employment Development
- 12 Department, in consultation and cooperation with the ~~Contractors~~

Contractors’ State License Board and solar industry stakeholders, can help mitigate the state’s energy shortage by ensuring that appropriate training and education is available for those practicing in and entering into the solar energy design, construction, and installation businesses.

SEC. 2. Chapter 5.1 (commencing with Section 25406) is added to Division 15 of the Public Resources Code, to read:

CHAPTER 5.1. SOLAR AND PHOTOVOLTAIC SYSTEMS

25406. A local government may develop and administer a program to encourage the construction of buildings that use solar thermal and photovoltaic systems that meet applicable standards and requirements imposed by the state or the local government for an eligible solar energy system pursuant to paragraph (2) of subdivision (g) of Section 25619. The program shall recognize owners and builders who participate in the program by awarding these owners and builders a “Sunny Homes Seal.”

SEC. 3. Section 25619 of the Public Resources Code is amended to read:

25619. (a) The commission shall develop a grant program to offset a portion of the cost of eligible solar energy systems. The goals of the program are all of the following:

(1) To make solar energy systems cost competitive with alternate forms of energy.

(2) To provide support for electricity storage capabilities in solar electric applications to facilitate enhanced reliability in the event of a power outage.

(3) To encourage the purchase by California residents of California-made solar systems.

(b) (1) The grant for an eligible solar energy system shall be based on either the performance of, or the type of, the solar energy system, as the commission determines, and the amount of the grant shall not exceed seven hundred fifty dollars (\$750). Except as provided in paragraph (2), if a grant is awarded pursuant to this section for an eligible solar energy system that produces electricity, no grant shall be made for that system from any other grant program administered by the commission.

(2) An applicant who receives a grant for a photovoltaic solar energy system from another program administered by the

1 commission, may also receive a grant for that system pursuant to
2 this section, if all of the following conditions are met:

3 (A) The system will accomplish the purpose specified in
4 paragraph (3) of subdivision (a).

5 (B) The system is an eligible solar energy system.

6 (C) The system includes adequate battery storage, as
7 determined by the commission.

8 (c) Purchasers, sellers, owner-builders, or owner-developers of
9 the solar energy system may apply for a grant under this section.

10 An owner-builder or owner-developer of a new single-family
11 dwelling on which a system is installed may elect not to apply for
12 a grant on a solar energy system installed on a new single-family
13 dwelling. If an owner-builder or owner-developer of a new
14 single-family dwelling on which a system is installed elects not to
15 apply for the grant for a solar energy system, the purchaser of the
16 dwelling may apply for the grant. The seller, owner-builder, or
17 owner-developer shall reflect the amount of the grant received on
18 the purchaser's bill of sale.

19 (d) The commission shall develop and adopt guidelines to
20 provide appropriate consumer protection under the grant program
21 and to govern other aspects of the grant program. The guidelines
22 shall be adopted at a publicly noticed meeting and all interested
23 parties shall be provided an opportunity to comment either orally
24 or in writing. Not less than 30 days notice shall be provided for the
25 public meeting. Subsequent substantive changes to adopted
26 guidelines shall be adopted by the commission at a public meeting
27 upon written notice to the public of not less than 10 days. The
28 guidelines adopted pursuant to this subdivision are not subject to
29 the requirements of Chapter 3.5 (commencing with Section
30 11340) of Division 3 of Title 2 of the Government Code.

31 (e) The commission shall require installers of solar energy
32 systems funded through grants under this section to be properly
33 licensed to do so by the Contractors' State License Board. This
34 requirement does not apply to the owner of a single-family
35 dwelling who installs a solar energy system on his or her
36 single-family dwelling.

37 (f) The award of a grant pursuant to this section is subject to
38 appeal to the commission upon a showing that factors other than
39 those described in the guidelines adopted by the commission were
40 applied in making the award. Any action taken by an applicant to

1 apply for, or become or remain eligible to receive an award,
2 including satisfying conditions specified by the commission, does
3 not constitute the rendering of goods, services, or a direct benefit
4 to the commission. Awards made pursuant to this section are not
5 subject to any repayment requirements of Chapter 7.4
6 (commencing with Section 25645).

7 (g) For the purposes of this section, the following terms have
8 the following meanings:

9 (1) “Cost” includes equipment, installation charges, and all
10 components necessary to carry out the intended use of the system
11 if those components are an integral part of the system. In the case
12 of a system that is leased, “cost” means the principal recovery
13 portion of all lease payments scheduled to be made during the full
14 term of the lease, which is the cost incurred by the taxpayer in
15 acquiring the solar energy system, excluding interest charges and
16 maintenance expenses.

17 (2) (A) “Eligible solar energy system” means any new,
18 previously unused solar energy device whose primary purpose is
19 to provide for the collection, conversion, transfer, distribution,
20 storage, or control of solar energy for water heating or electricity
21 generation, and that meets applicable standards and requirements
22 imposed by state and local permitting authorities, including, but
23 not limited to, the National Electric Code. Eligible solar energy
24 systems for water heating purposes shall be certified by the Solar
25 Rating and Certification Corporation (SRCC) or any other
26 nationally recognized certification agency that certifies complete
27 systems. Major components of eligible solar energy systems for
28 electricity generation shall be listed by a certified testing agency,
29 such as the Underwriters Laboratory. In the absence of
30 certification, major components of eligible solar energy systems
31 for electricity generation shall comply with specifications adopted
32 by the commission.

33 (B) “Eligible solar energy system” does not include any of the
34 following:

35 (i) Wind energy devices that produce electricity or provide
36 mechanical work.

37 (ii) Additions to or augmentation of existing solar energy
38 systems.

(iii) A device that produces electricity for a structure unless the device is interconnected and operates in parallel with the electric grid.

(C) Eligible solar energy systems shall have a warranty of not less than three years.

(3) “Installed” means placed in a functionally operative state.

(h) This section shall remain in effect only until January 1, 2006, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2006, deletes or extends that date.

SEC. 4. Section 9618 is added to the Unemployment Insurance Code, to read:

9618. (a) The department shall administer a solar training ~~and oversight program. The department shall solicit program design input from representatives in the solar energy industry and other affected stakeholder groups.~~

~~(b) The department, in consultation with the State Energy Resources Conservation and Development Commission and the Contractors’ State License Board, shall develop appropriate educational, training, and testing materials and curriculum, to ensure that solar energy product and service providers in California possess adequate skills and training. The department shall provide manufacturers or other solar energy equipment providers who furnish in-house training and certification programs the opportunity to integrate their programs with state sponsored programs. The department shall provide training and accreditation for new educators and trainers in the solar energy discipline to adequately train new entrants into the solar energy field.~~

~~(c) The department shall develop an administrative procedure to support the certification of designers and installers of solar energy products installed in California, including provisions for examination, grading of examinations, and ongoing certification update and tracking.~~

~~(d) program. The department shall coordinate with the Division of Apprenticeship Standards and the State Contractors’ License Board to ensure solar energy product and service providers in California possess and maintain the necessary skills, training, and certification.~~

(b) Elements of the training program shall include, but need not be limited to, all of the following:

- 1 (1) The science of photovoltaics and small scale solar thermal
- 2 technologies.
- 3 (2) The design of solar systems.
- 4 (3) The installation of solar systems.
- 5 (4) Permitting of solar systems.
- 6 (5) Safety.
- 7 (6) System and component certification.
- 8 (7) State and federal incentive programs.
- 9 *SEC. 5. The Solar Training, Education, and Certification Act*
- 10 *of 2001 shall be funded by available job training funds in existence*
- 11 *on the effective date of the act adding this section during the*
- 12 *2001–02 Second Extraordinary Session.*

