
A BILL FOR AN ACT

RELATING TO NET-ENERGY METERING.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. Section 269-101, Hawaii Revised Statutes, is
2 amended to read as follows:

3 "**§269-101 Definitions.** As used in this part:

4 "Eligible customer-generator" means a metered residential
5 or commercial customer, including a government entity, of an
6 electric utility who owns and operates a solar, wind turbine,
7 biomass, micro-combined heat and power generating equipment,
8 fuel cell electric generating equipment, or hydroelectric energy
9 generating facility, or a hybrid system consisting of two or
10 more of these facilities, that is:

- 11 (1) Located on the customer's premises;
- 12 (2) Operated in parallel with the utility's transmission
13 and distribution facilities;
- 14 (3) In conformance with the utility's interconnection
15 requirements; and
- 16 (4) Intended primarily to offset part or all of the
17 customer's own electrical requirements.



1 "Fuel cell electric generating equipment" means a solid
2 oxide, molten carbonate, proton exchange membrane or phosphoric
3 acid fuel cell with a combined rated capacity of not more than
4 ten kilowatts.

5 "Micro-combined heat and power generating equipment" means
6 an integrated, cogenerating building heating and electrical
7 power generation system that:

8 (1) Operates on any fuel to power any applicable engine,
9 fuel cell, or other technology;

10 (2) Has a rated capacity of at least one kilowatt and not
11 more than ten kilowatts electric and thermal output
12 that, at full load, has a design total fuel use
13 efficiency in the production of heat and electricity
14 of not less than eighty per cent; and

15 (3) Annually produces at least two thousand kilowatt hours
16 of useful energy in the form of electricity that may
17 work in combination with supplemental or parallel
18 conventional heating systems.

19 "Net energy metering" means measuring the difference
20 between the electricity supplied through the electric grid and
21 the electricity generated by an eligible customer-generator and



1 fed back to the electric grid over a monthly billing period;
2 provided that:

3 (1) Net energy metering shall be accomplished using a
4 single meter capable of registering the flow of
5 electricity in two directions;

6 (2) An additional meter or meters to monitor the flow of
7 electricity in each direction may be installed with
8 the consent of the customer-generator, at the expense
9 of the electric utility, and the additional metering
10 shall be used only to provide the information
11 necessary to accurately bill or credit the customer-
12 generator, or to collect solar, wind turbine, biomass,
13 micro-combined heat and power generating equipment,
14 fuel cell electric generating equipment, or
15 hydroelectric energy generating system performance
16 information for research purposes;

17 (3) If the existing electrical meter of an eligible
18 customer-generator is not capable of measuring the
19 flow of electricity in two directions, the electric
20 utility shall be responsible for all expenses involved
21 in purchasing and installing a meter that is able to
22 measure electricity flow in two directions;



- 1 (4) If an additional meter or meters are installed, the
2 net energy metering calculation shall yield a result
3 identical to that of a single meter; and
- 4 (5) An eligible customer-generator who already owns an
5 existing solar, wind turbine, biomass, micro-combined
6 heat and power generating equipment, fuel cell
7 electric generating equipment, or hydroelectric energy
8 generating facility, or a hybrid system consisting of
9 two or more of these facilities, is eligible to
10 receive net energy metering service in accordance with
11 this part."

12 SECTION 2. Section 269-111, Hawaii Revised Statutes, is
13 amended by amending subsections (a) and (b) to read as follows:

14 "(a) A solar, wind turbine, biomass, micro-combined heat
15 and power generating equipment, fuel cell electric generating
16 equipment, or hydroelectric energy generating system, or a
17 hybrid system consisting of two or more of these facilities,
18 used by an eligible customer-generator shall meet all applicable
19 safety and performance standards established by the National
20 Electrical Code, the Institute of Electrical and Electronics
21 Engineers, and accredited testing laboratories such as the



1 Underwriters Laboratories and, where applicable, rules of the
2 public utilities commission regarding safety and reliability.

3 (b) For systems of ten kilowatts or less, an eligible
4 customer-generator whose solar, wind turbine, biomass, micro-
5 combined heat and power generating equipment, fuel cell electric
6 generating equipment, or hydroelectric energy generating system,
7 or whose hybrid system consisting of two or more of these
8 facilities, meets the standards and rules under subsection (a)
9 shall not be required to install additional controls, perform or
10 pay for additional tests, or purchase additional liability
11 insurance."

12 SECTION 3. New statutory material is underscored.

13 SECTION 4. This Act shall take effect upon its approval.

14

INTRODUCED BY:



JAN 21 2011



Report Title:

Net Energy Metering

Description:

Includes micro-combined heat and power generating equipment and fuel cell electric generating equipment among the technologies eligible for net energy metering.

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.

