SHB 2198 - H AMD **1127**
By Representative Morris

Strike everything after the enacting clause and insert the following:

"Sec. 1. RCW 19.280.010 and 2006 c 195 s 1 are each amended to read as follows:

It is the intent of the legislature to encourage the development of new safe, clean, and reliable energy resources to meet demand in Washington for affordable and reliable electricity. To achieve this end, the legislature finds it essential that electric utilities in Washington develop comprehensive resource plans that explain the mix of generation and demand-side resources they plan to use to meet their customers' electricity needs in both the short term and the long term. The legislature intends that information obtained from integrated resource planning under this chapter will be used to assist in identifying and developing new energy generation, including renewable energy systems or renewable resources with an energy storage system, conservation and efficiency resources, and related infrastructure to meet the state's electricity needs.

Sec. 2. RCW 19.280.020 and 2009 c 565 s 19 are each amended to read as follows:

The definitions in this section apply throughout this chapter unless the context clearly requires otherwise.

(1) "Commission" means the utilities and transportation commission.

(2) "Conservation and efficiency resources" means any reduction in electric power consumption that results from increases in the efficiency of energy use, production, transmission, or distribution.

(3) "Consumer-owned utility" includes a municipal electric utility formed under Title 35 RCW, a public utility district formed under Title 54 RCW, an irrigation district formed under chapter 87.03 RCW, a cooperative formed under chapter 23.86 RCW, a mutual corporation or association formed under chapter 24.06 RCW, a port district formed under Title 53 RCW, or a water-sewer district formed under Title 57 RCW, that is engaged in the business of distributing electricity to one or more retail electric customers in the state.

(4) "Department" means the department of commerce.

(5) "Electric utility" means a consumer-owned or investor-owned utility.

(6) "Full requirements customer" means an electric utility that relies on the Bonneville power administration for all power needed to supply its total load requirement other than that served by nondispatchable generating resources totaling no more than six megawatts or renewable resources.

(7) "Governing body" means the elected board of directors, city council, commissioners, or board of any consumer-owned utility.

(8) "High efficiency cogeneration" means the sequential production of electricity and useful thermal energy from a common fuel source, where, under normal operating conditions, the facility has a useful thermal energy output of no less than thirty-three percent of the total energy output.

(9) "Integrated resource plan" means an analysis describing the mix of generating resources ((~~and~~)), conservation, energy storage, and efficiency resources that will meet current and projected needs at the lowest reasonable cost to the utility and its ratepayers and that complies with the requirements specified in RCW 19.280.030(1).

(10) "Investor-owned utility" means a corporation owned by investors that meets the definition in RCW 80.04.010 and is engaged in

distributing electricity to more than one retail electric customer in the state.

(11) "Lowest reasonable cost" means the lowest cost mix of generating resources and conservation and efficiency resources determined through a detailed and consistent analysis of a wide range of commercially available resources. At a minimum, this analysis must consider resource cost, market-volatility risks, demand-side resource uncertainties, resource dispatchability, resource effect on system operation, the risks imposed on the utility and its ratepayers, public policies regarding resource preference adopted by Washington state or the federal government, and the cost of risks associated with environmental effects including emissions of carbon dioxide.

(12) "Plan" means either an "integrated resource plan" or a "resource plan."

(13) "Renewable resources" means electricity generation facilities fueled by: (a) Water; (b) wind; (c) solar energy; (d) geothermal energy; (e) landfill gas; (f) biomass energy utilizing animal waste, solid organic fuels from wood, forest, or field residues or dedicated energy crops that do not include wood pieces that have been treated with chemical preservatives such as creosote, pentachlorophenol, or copper-chrome-arsenic; (g) by-products of pulping or wood manufacturing processes, including but not limited to bark, wood chips, sawdust, and lignin in spent pulping liquors; (h) ocean thermal, wave, or tidal power; or (i) gas from sewage treatment facilities.

(14) "Resource plan" means an assessment that estimates electricity loads and resources over a defined period of time and complies with the requirements in RCW 19.280.030(2).

(15) "Ancillary services" means services such as frequency regulation, spinning reserves, voltage control, and load following.

(16) "Energy storage system" means a system that is capable of absorbing energy, storing it for a period of time, and thereafter dispatching the energy as electricity to an electrical transmission or distribution system. An energy storage system may be part of multiple

energy storage systems in different locations that are linked under common control as part of a network. An energy storage system may not exceed the greenhouse gas emissions performance standards under RCW 80.80.040 when storing electricity from either a renewable energy system or a renewable resource or dispatching electricity from the energy storage system into an electrical transmission or distribution system.

(17) "Renewable energy system" has the same meaning as RCW 82.16.110(7).

Sec. 3. RCW 19.280.030 and 2011 c 180 s 305 are each amended to read as follows:

Each electric utility must develop a plan consistent with this section.

(1) Utilities with more than twenty-five thousand customers that are not full requirements customers shall develop or update an integrated resource plan by September 1, 2008. At a minimum, progress reports reflecting changing conditions and the progress of the integrated resource plan must be produced every two years thereafter. An updated integrated resource plan must be developed at least every four years subsequent to the 2008 integrated resource plan. The integrated resource plan, at a minimum, must include:

(a) A range of forecasts, for at least the next ten years, of projected customer demand which takes into account econometric data and customer usage;

(b) An assessment of commercially available conservation and efficiency resources. Such assessment may include, as appropriate, high efficiency cogeneration, demand response and load management programs, and currently employed and new policies and programs needed to obtain the conservation and efficiency resources;

(c) An assessment of commercially available, utility scale renewable and nonrenewable generating technologies including a comparison of the benefits and risks of purchasing power or building new resources;

(d) A comparative evaluation of renewable and nonrenewable generating resources, including transmission and distribution delivery costs, and conservation and efficiency resources using "lowest reasonable cost" as a criterion;

(e) An assessment of renewable energy systems or renewable resources on the utility and distributed generation scale, including an analysis of energy storage systems as an alternative or adjunct to building nonrenewable generating resources for ancillary services and new transmission or distribution lines for peak loads, and as a complement to renewable energy systems or renewable resources;

(i) For an investor owned utility, if the assessment demonstrates that an energy storage system that is part of a renewable energy system or a renewable resource is the lowest reasonable cost resource available, the utility shall include a proposal for recovering incurred costs associated with the installation and operation of an energy storage system as part of a renewable energy system or renewable resource;

(ii) The commission shall develop a cost-recovery method, consistent with RCW 80.04.250, that would allow an investor-owned utility to recover the prudent costs of acquiring or purchasing an energy storage system whose cost is in the lowest quartile of available resources as determined in the utility's integrated resource plan. The cost recovery method should recognize the benefits of the energy storage system to an investor owned utility’s generation, distribution, and transmission system, the reliability of the system and the integration of renewable energy systems or renewable resources in the system.

(f) The integration of the demand forecasts and resource evaluations into a long-range assessment describing the mix of supply side generating resources and conservation and efficiency resources that will meet current and projected needs at the lowest reasonable cost and risk to the utility and its ratepayers; and

((~~(f)~~)) (g) A short-term plan identifying the specific actions to be taken by the utility consistent with the long-range integrated resource plan.

(2) All other utilities may elect to develop a full integrated resource plan as set forth in subsection (1) of this section or, at a minimum, shall develop a resource plan that:

(a) Estimates loads for the next five and ten years;

(b) Enumerates the resources that will be maintained and/or acquired to serve those loads; and

(c) Explains why the resources in (b) of this subsection were chosen and, if the resources chosen are not renewable resources ((~~or~~)), conservation and efficiency resources, or energy storage, why such a decision was made.

(3) An electric utility that is required to develop a resource plan under this section must complete its initial plan by September 1, 2008.

(4) Resource plans developed under this section must be updated on a regular basis, at a minimum on intervals of two years.

(5) Plans shall not be a basis to bring legal action against electric utilities.

(6) Each electric utility shall publish its final plan either as part of an annual report or as a separate document available to the public. The report may be in an electronic form.

Sec. 4. RCW 82.16.110 and 2011 c 179 s 2 are each amended to read as follows:

The definitions in this section apply throughout this chapter unless the context clearly requires otherwise.

(1) "Administrator" means an owner and assignee of a community solar project as defined in subsection (2)(a)(i) of this section that is responsible for applying for the investment cost recovery incentive on behalf of the other owners and performing such administrative tasks on behalf of the other owners as may be necessary, such as receiving

investment cost recovery incentive payments, and allocating and paying appropriate amounts of such payments to the other owners.

(2)(a) "Community solar project" means:

(i) A solar energy system that is capable of generating up to seventy-five kilowatts of electricity and is owned by local individuals, households, nonprofit organizations, or nonutility businesses that is placed on the property owned by a cooperating local governmental entity that is not in the light and power business or in the gas distribution business;

(ii) A utility-owned solar energy system that is capable of generating up to seventy-five kilowatts of electricity and that is voluntarily funded by the utility's ratepayers where, in exchange for their financial support, the utility gives contributors a payment or credit on their utility bill for the value of the electricity produced by the project; or

(iii) A solar energy system, placed on the property owned by a cooperating local governmental entity that is not in the light and power business or in the gas distribution business, that is capable of generating up to seventy-five kilowatts of electricity, and that is owned by a company whose members are each eligible for an investment cost recovery incentive for the same customer-generated electricity as provided in RCW 82.16.120.

(b) For the purposes of "community solar project" as defined in (a) of this subsection:

(i) "Company" means an entity that is:

(A)(I) A limited liability company;

(II) A cooperative formed under chapter 23.86 RCW; or

(III) A mutual corporation or association formed under chapter 24.06 RCW; and

(B) Not a "utility" as defined in this subsection (2)(b); and

(ii) "Nonprofit organization" means an organization exempt from taxation under 26 U.S.C. Sec. 501(c)(3) of the federal internal revenue code of 1986, as amended, as of January 1, 2009; and

(iii) "Utility" means a light and power business, an electric cooperative, or a mutual corporation that provides electricity service.

(3) "Customer-generated electricity" means a community solar project or the alternating current electricity that is generated from a renewable energy system located in Washington and installed on an individual's, businesses', or local government's real property that is also provided electricity generated by a light and power business. Except for community solar projects, a system located on a leasehold interest does not qualify under this definition. Except for utility-owned community solar projects, "customer-generated electricity" does not include electricity generated by a light and power business with greater than one thousand megawatt hours of annual sales or a gas distribution business.

(4) "Economic development kilowatt-hour" means the actual kilowatt-hour measurement of customer-generated electricity multiplied by the appropriate economic development factor.

(5) "Local governmental entity" means any unit of local government of this state including, but not limited to, counties, cities, towns, municipal corporations, quasi-municipal corporations, special purpose districts, and school districts.

(6) "Photovoltaic cell" means a device that converts light directly into electricity without moving parts.

(7) "Renewable energy system" means a solar energy system, an anaerobic digester as defined in RCW 82.08.900, or a wind generator used for producing electricity.

(8) "Solar energy system" means any device or combination of devices or elements that rely upon direct sunlight as an energy source for use in the generation of electricity.

(9) "Solar inverter" means the device used to convert direct current to alternating current in a solar energy system.

(10) "Solar module" means the smallest nondivisible self-contained physical structure housing interconnected photovoltaic cells and providing a single direct current electrical output.

(11) "Stirling converter" means a device that produces electricity by converting heat from a solar source utilizing a stirling engine.

(12) "Energy storage system" means a system that is capable of absorbing energy, storing it for a period of time, and thereafter dispatching the energy as electricity to an electrical transmission or distribution system. An energy storage system may be part of multiple energy storage systems in different locations that are linked under common control as part of a network. An energy storage system may not exceed the greenhouse gas emissions performance standards under RCW 80.80.040 when storing electricity from either a renewable energy system or a renewable resource or dispatching electricity from the energy storage system into an electrical transmission or distribution system.

Sec. 5. RCW 82.16.120 and 2011 c 179 s 3 are each amended to read as follows:

(1)(a) Except as provided in section 7 of this act, any individual, business, local governmental entity, not in the light and power business or in the gas distribution business, or a participant in a community solar project may apply to the light and power business serving the situs of the system, each fiscal year beginning on July 1, 2005, for an investment cost recovery incentive for each kilowatt-hour from a customer-generated electricity renewable energy system.

(b) In the case of a community solar project as defined in RCW 82.16.110(2)(a)(i), the administrator must apply for the investment cost recovery incentive on behalf of each of the other owners.

(c) In the case of a community solar project as defined in RCW 82.16.110(2)(a)(iii), the company owning the community solar project must apply for the investment cost recovery incentive on behalf of each member of the company.

(2)(a) Before submitting for the first time the application for the incentive allowed under subsection (4) of this section, the applicant must submit to the department of revenue and to the climate and rural energy development center at the Washington State

University, established under RCW 28B.30.642, a certification in a form and manner prescribed by the department that includes, but is not limited to, the following information:

(i) The name and address of the applicant and location of the renewable energy system.

(A) If the applicant is an administrator of a community solar project as defined in RCW 82.16.110(2)(a)(i), the certification must also include the name and address of each of the owners of the community solar project.

(B) If the applicant is a company that owns a community solar project as defined in RCW 82.16.110(2)(a)(iii), the certification must also include the name and address of each member of the company;

(ii) The applicant's tax registration number;

(iii) That the electricity produced by the applicant meets the definition of "customer-generated electricity" and that the renewable energy system produces electricity with:

(A) Any solar inverters and solar modules manufactured in Washington state;

(B) A wind generator powered by blades manufactured in Washington state;

(C) A solar inverter manufactured in Washington state;

(D) A solar module manufactured in Washington state;

(E) A stirling converter manufactured in Washington state; or

(F) Solar or wind equipment manufactured outside of Washington state;

(iv) That the electricity can be transformed or transmitted for entry into or operation in parallel with electricity transmission and distribution systems; and

(v) The date that the renewable energy system received its final electrical permit from the applicable local jurisdiction.

(b) Within thirty days of receipt of the certification the department of revenue must notify the applicant by mail, or electronically as provided in RCW 82.32.135, whether the renewable energy system qualifies for an incentive under this section. The

department may consult with the climate and rural energy development center to determine eligibility for the incentive. System certifications and the information contained therein are subject to disclosure under RCW 82.32.330(3)(l).

(3)(a) By August 1st of each year application for the incentive must be made to the light and power business serving the situs of the system by certification in a form and manner prescribed by the department that includes, but is not limited to, the following information:

(i) The name and address of the applicant and location of the renewable energy system.

(A) If the applicant is an administrator of a community solar project as defined in RCW 82.16.110(2)(a)(i), the application must also include the name and address of each of the owners of the community solar project.

(B) If the applicant is a company that owns a community solar project as defined in RCW 82.16.110(2)(a)(iii), the application must also include the name and address of each member of the company;

(ii) The applicant's tax registration number;

(iii) The date of the notification from the department of revenue stating that the renewable energy system is eligible for the incentives under this section; and

(iv) A statement of the amount of kilowatt-hours generated by the renewable energy system in the prior fiscal year.

(b) Within sixty days of receipt of the incentive certification the light and power business serving the situs of the system must notify the applicant in writing whether the incentive payment will be authorized or denied. The business may consult with the climate and rural energy development center to determine eligibility for the incentive payment. Incentive certifications and the information contained therein are subject to disclosure under RCW 82.32.330(3)(l).

(c)(i) Persons, administrators of community solar projects, and companies receiving incentive payments must keep and preserve, for a period of five years, suitable records as may be necessary to

determine the amount of incentive applied for and received. Such records must be open for examination at any time upon notice by the light and power business that made the payment or by the department. If upon examination of any records or from other information obtained by the business or department it appears that an incentive has been paid in an amount that exceeds the correct amount of incentive payable, the business may assess against the person for the amount found to have been paid in excess of the correct amount of incentive payable and must add thereto interest on the amount. Interest is assessed in the manner that the department assesses interest upon delinquent tax under RCW 82.32.050.

(ii) If it appears that the amount of incentive paid is less than the correct amount of incentive payable the business may authorize additional payment.

(4) Except for community solar projects, the investment cost recovery incentive may be paid fifteen cents per economic development kilowatt-hour unless requests exceed the amount authorized for credit to the participating light and power business. For community solar projects, the investment cost recovery incentive may be paid thirty cents per economic development kilowatt-hour unless requests exceed the amount authorized for credit to the participating light and power business. For the purposes of this section, the rate paid for the investment cost recovery incentive may be multiplied by the following factors:

(a) For customer-generated electricity produced using solar modules manufactured in Washington state or a solar stirling converter manufactured in Washington state, two and four-tenths;

(b) For customer-generated electricity produced using a solar or a wind generator equipped with an inverter manufactured in Washington state, one and two-tenths;

(c) For customer-generated electricity produced using an anaerobic digester, or by other solar equipment or using a wind generator equipped with blades manufactured in Washington state, one; and

(d) For all other customer-generated electricity produced by wind, eight-tenths.

(5)(a) No individual, household, business, or local governmental entity is eligible for incentives provided under subsection (4) of this section for more than five thousand dollars per year.

(b) Except as provided in (c) through (e) of this subsection (5), each applicant in a community solar project is eligible for up to five thousand dollars per year.

(c) Where the applicant is an administrator of a community solar project as defined in RCW 82.16.110(2)(a)(i), each owner is eligible for an incentive but only in proportion to the ownership share of the project, up to five thousand dollars per year.

(d) Where the applicant is a company owning a community solar project that has applied for an investment cost recovery incentive on behalf of its members, each member of the company is eligible for an incentive that would otherwise belong to the company but only in proportion to each ownership share of the company, up to five thousand dollars per year. The company itself is not eligible for incentives under this section.

(e) In the case of a utility-owned community solar project, each ratepayer that contributes to the project is eligible for an incentive in proportion to the contribution, up to five thousand dollars per year.

(6) If requests for the investment cost recovery incentive exceed the amount of funds available for credit to the participating light and power business, the incentive payments must be reduced proportionately.

(7) The climate and rural energy development center at Washington State University energy program may establish guidelines and standards for technologies that are identified as Washington manufactured and therefore most beneficial to the state's environment.

(8) The environmental attributes of the renewable energy system belong to the applicant, and do not transfer to the state or the light

and power business upon receipt of the investment cost recovery incentive.

(9) No incentive may be paid under this section for kilowatt-hours generated before July 1, 2005, or after June 30, 2020.

Sec. 6. RCW 82.16.130 and 2010 c 202 s 3 are each amended to read as follows:

(1) Except as provided in subsection (3) of this section, a light and power business shall be allowed a credit against taxes due under this chapter in an amount equal to investment cost recovery incentive payments made in any fiscal year under RCW 82.16.120. The credit shall be taken in a form and manner as required by the department. The credit under this section for the fiscal year may not exceed one-half percent of the businesses' taxable power sales due under RCW 82.16.020(1)(b) or one hundred thousand dollars, whichever is greater. Incentive payments to participants in a utility-owned community solar project as defined in RCW 82.16.110(2)(a)(ii) may only account for up to twenty-five percent of the total allowable credit. Incentive payments to participants in a company-owned community solar project as defined in RCW 82.16.110(2)(a)(iii) may only account for up to five percent of the total allowable credit. The credit may not exceed the tax that would otherwise be due under this chapter. Refunds shall not be granted in the place of credits. Expenditures not used to earn a credit in one fiscal year may not be used to earn a credit in subsequent years.

(2) For any business that has claimed credit for amounts that exceed the correct amount of the incentive payable under RCW 82.16.120, the amount of tax against which credit was claimed for the excess payments shall be immediately due and payable. The department shall assess interest but not penalties on the taxes against which the credit was claimed. Interest shall be assessed at the rate provided for delinquent excise taxes under chapter 82.32 RCW, retroactively to the date the credit was claimed, and shall accrue until the taxes against which the credit was claimed are repaid.

(3) A light and power business that has included energy storage systems in its integrated resource plan prepared under chapter 19.280 RCW shall be allowed a credit against taxes due under this chapter in an amount equal to investment cost recovery incentive payment for energy storage systems under section 7 of this act. The credit shall be used to purchase, install, operate and maintain energy storage systems. The credit shall be taken in a form and manner as required by the department. The credit under this section for the fiscal year may not exceed one-half percent of the businesses' taxable power sales due under RCW 82.16.020(1)(b) less the amount of credit already taken for investment cost recovery payments made pursuant to RCW 82.16.120. Payments taken by a light and power business for energy storage systems may not account for more than ten percent of the total allowable credit.

(4) The right to earn tax credits under this section expires June 30, 2020. Credits may not be claimed after June 30, 2021.

NEW SECTION. **Sec. 7.** A new section is added to chapter 82.16 RCW to read as follows:

(1) Beginning July 1, 2012, and each fiscal year thereafter until July 1, 2017, a light and power business may take an investment cost recovery incentive for each kilowatt-hour from an energy storage system owned by the light and power business.

(2) For energy storage systems, the investment cost recovery incentive shall be thirty cents per economic development kilowatt-hour of energy dispatched from the energy storage system."

Correct the title.

EFFECT: Requires electric utilities in preparing an integrated resource plan to provide an assessment of renewable energy systems and renewable resources on the utility and distributed generation scale. Directs the Utilities and Transportation Commission to develop a cost-recovery method that would allow an investor-owned utility to recover the prudent costs of acquiring or purchasing an energy storage system whose cost is in the lowest quartile of available resources as determined in the utility's integrated resource plan. Specifies that the cost recovery method should

recognize the benefits of the energy storage system to an investor owned utility’s generation, distribution, and transmission system, the reliability of the system and the integration of renewable energy systems or renewable resources in the system. Provides a definition for renewable energy system. Removes reference to eligible renewable resources. Removes the definitions for peak hours and off-peak hours.

Allows a light and power business, from July 1, 2012 through July 1, 2017, to take an investment cost recovery incentive for each kilowatt-hour from an energy storage system owned by the light and power business. Specifies that the investment cost recovery incentive for energy storage systems is thirty cents per economic development kilowatt-hour of energy dispatched from the energy storage system. Allows a light and power business that has included energy storage systems in its integrated resource plan a public utility tax credit against taxes due in an amount equal to investment cost recovery incentive payment for energy storage systems. Specifies that the credit must be used to purchase, install, operate and maintain energy storage systems.

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