#### HOUSE OF REPRESENTATIVES TWENTY-FIFTH LEGISLATURE, 2009 STATE OF HAWAII

HB HMIA 40-2009-2.docx

H.B. NO. 487

#### A BILL FOR AN ACT

RELATING TO HAWAII'S CLEAN ENERGY INITIATIVE - ELECTRIC GENERATION AND DELIVERY.

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

1

#### PART I

2 SECTION 1. Attaining independence from our detrimental
3 reliance on fossil fuels has been a long-standing objective for
4 the State.

5 Hawaii is the most petroleum dependent State for its energy 6 It pays the highest electricity prices in the United needs. 7 States, and its gasoline costs are among the highest in the 8 country. Fuel surcharges that pass the increases in fuel costs 9 to consumers have significantly increased the cost of over 80 10 percent of the goods and services sold in Hawaii. Household 11 fuels and utilities costs rose 36.4 percent, from the previous 12 year, as reflected in the Honolulu Consumer Price Index during 13 the second quarter of 2008. Hawaii's energy costs approach 11 14 percent of its Gross Domestic Product (GDP), whereas in most 15 states energy costs are 4 percent of GDP. Between 2005 and 16 2008, state government consumption of electricity increased 3.9 17 percent, but expenditures increased 56.8 percent.

## H.B. NO. 487

| 1  | Reducing our oil dependence and the consequent price             |
|----|--|
| 2  | volatility and attaining a measure of energy security is         |
| 3  | critical. More than 96 percent of petroleum in Hawaii now comes  |
| 4  | from foreign sources. Clean energy from indigenous renewable     |
| 5  | resources, has the potential to provide an estimated 150 percent |
| 6  | of current installed electrical capacity.                        |
| 7  | On January 28, 2008, the signing of a Memorandum of              |
| 8  | Understanding between the State of Hawaii and the United States  |
| 9  | Department of Energy (USDOE) launched the Hawaii Clean Energy    |
| 10 | Initiative (HCEI). This initiative and long-term partnership     |
| 11 | between Hawaii and USDOE is aimed at accelerating the use and    |
| 12 | development of energy efficiency and renewable energy            |
| 13 | technologies; allowing Hawaii to serve as a model and            |
| 14 | demonstration for the United States and other island             |
| 15 | communities; and develop a national partnership to accelerate    |
| 16 | system transformation, whereby the following goals are attained: |
| 17 | (1) Achieve a 70 percent clean energy economy for Hawaii         |
| 18 | within a generation.   |
| 19 | (2) Increase Hawaii's energy security.                           |
| 20 | (3) Capture economic benefits of clean energy for all levels     |
| 21 | of society.  |

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(4) Contribute to greenhouse gas reduction.

| 1  | (5) Foster and demonstrate innovation.                           |
|----|--|
| 2  | (6) Build the workforce of the future.                           |
| 3  | (7) Serve as a national model.                                   |
| 4  | The purpose of this Act is to provide a first step in            |
| 5  | aligning Hawaii's energy policy laws with the State's energy     |
| 6  | goals. For Hawaii to realize energy independence and economic    |
| 7  | stability, the transformation of its energy system must          |
| 8  | encompass changes to:  |
| 9  | (1) Hawaii's policy or regulatory framework;                     |
| 10 | (2) System-level technology development and integration;         |
| 11 | (3) Financing or capital investment; and                         |
| 12 | (4) Institutional system planning.                               |
| 13 | To enable energy efficiency and renewable energy resources to    |
| 14 | meet 70 percent of Hawaii's energy demand by 2030, the Hawaii    |
| 15 | Clean Energy Initiative set goals for energy efficiency;         |
| 16 | renewable and indigenous electricity production; energy delivery |
| 17 | and improvements to the electrical grid; and diversification of  |
| 18 | energy sources for transportation. The initiatives to achieve    |
| 19 | these goals were developed by the USDOE; the department of       |
| 20 | business, economic development, and tourism; and members of the  |
| 21 | five Hawaii clean energy initiative working groups during 2008.  |
| 22 | This effort presents a range of measures-some proven elsewhere,  |
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4

| 1  | some innovative-to reach aggressive energy goals while balancing |
|----|--|
| 2  | the interests of various stakeholders.                           |
| 3  | PART II  |
| 4  | RENEWABLE PORTFOLIO STANDARDS                                    |
| 5  | SECTION 2. Section 269-91, Hawaii Revised Statutes, is           |
| 6  | amended to read as follows:                                      |
| 7  | "§269-91 [+]Definitions[+] For the purposes of this              |
| 8  | [+]part[+]:  |
| 9  | "Biofuels" means liquid or gaseous fuels produced from           |
| 10 | organic sources such as biomass crops, agricultural residues and |
| 11 | oil crops, such as palm oil, canola oil, soybean oil, waste      |
| 12 | cooking oil, grease, and food wastes, animal residues and        |
| 13 | wastes, and sewage and landfill wastes.                          |
| 14 | "Cost-effective" means the ability to produce or purchase        |
| 15 | electric energy or firm capacity, or both, from renewable energy |
| 16 | resources at or below avoided costs consistent with the          |
| 17 | methodology set by the public utilities commission in accordance |
| 18 | with section 269-27.2.   |
| 19 | "Electric utility company" means a public utility as             |
| 20 | defined under section 269-1, for the production, conveyance,     |
| 21 | transmission, delivery, or furnishing of power.                  |
| 22 | "Renewable electrical energy" means:                             |
|    |  |

HB HMIA 40-2009-2.docx

### H.B. NO. 487

| 1  | (1)       | Electrical energy generated using renewable energy as         |
|----|-----------|---|
| 2  |           | the source;   |
| 3  | (2)       | Electrical energy savings brought about by the use of         |
| 4  |           | renewable displacement or off-set technologies,               |
| 5  |           | including solar water heating, sea-water air-                 |
| 6  |           | conditioning district cooling systems, solar air-             |
| 7  |           | conditioning, and customer-sited, grid-connected              |
| 8  |           | renewable energy systems[+], provided that such               |
| 9  |           | electrical energy savings will not count towards the          |
| 10 |           | renewable portfolio standards beginning in 2015; or           |
| 11 | (3)       | Electrical energy savings brought about by the use of         |
| 12 |           | energy efficiency technologies, including heat pump           |
| 13 |           | water heating, ice storage, ratepayer-funded energy           |
| 14 |           | efficiency programs, and use of rejected heat from co-        |
| 15 |           | generation and combined heat and power systems,               |
| 16 |           | excluding fossil-fueled qualifying facilities that            |
| 17 |           | sell electricity to electric utility companies and            |
| 18 |           | central station power projects[ $\cdot$ ], provided that such |
| 19 |           | electrical energy savings will not count towards the          |
| 20 |           | renewable portfolio standards beginning in 2015.              |
| 21 | "Ren      | ewable energy" means energy generated or produced             |
| 22 | utilizing | the following sources:  |

## H.B. NO. 487

| 1  | (1)        | Wind;   |
|----|------------|---|
| 2  | (2)        | The sun;  |
| 3  | (3)        | Falling water;  |
| 4  | (4)        | Biogas, including landfill and sewage-based digester  |
| 5  |            | gas;  |
| 6  | (5)        | Geothermal;   |
| 7  | (6)        | Ocean water, currents, and waves;                     |
| 8  | (7)        | Biomass, including biomass crops, agricultural and    |
| 9  |            | animal residues and wastes, and [municipal] solid     |
| 10 |            | waste;  |
| 11 | (8)        | Biofuels; and   |
| 12 | (9)        | Hydrogen produced from renewable energy sources.      |
| 13 | "Ren       | ewable portfolio standard" means the percentage of    |
| 14 | electrica  | l energy sales that is represented by renewable       |
| 15 | electrica  | l energy."  |
| 16 | SECT       | ION 3. Section 269-92, Hawaii Revised Statutes, is    |
| 17 | amended by | y amending subsection (a) and (b) to read as follows: |
| 18 | "(a)       | Each electric utility company that sells electricity  |
| 19 | for consu  | mption in the State shall establish a renewable       |
| 20 | portfolio  | standard of:  |
| 21 | (1)        | Ten per cent of its net electricity sales by December |
| 22 |            | 31, 2010;   |
|    |            |   |

| 1  | (2)       | Fift               | een per cent of its net electricity sales by            |
|----|-----------|--------------------|---|
| 2  |           | Dece               | mber 31, 2025; [ <del>and</del> ]                       |
| 3  | (3)       | [ <del>Twe</del> : | nty] <u>Twenty-five</u> per cent of its net electricity |
| 4  |           | sale               | s by December 31, $2020[-;]$ and                        |
| 5  | (4)       | Fort               | y per cent of its net electricity sales by              |
| 6  |           | Decei              | mber 31, 2030.  |
| 7  | (b)       | The j              | public utilities commission may establish               |
| 8  | standards | for (              | each utility that prescribe what portion of the         |
| 9  | renewable | port               | folio standards shall be met by specific types of       |
| 10 | renewable | elec               | trical energy resources; provided that:                 |
| 11 |           | (1)                | Before 2015, at least fifty per cent of the             |
| 12 |           |                    | renewable portfolio standards shall be met by           |
| 13 |           |                    | electrical energy generated using renewable             |
| 14 |           |                    | energy as the source $[+]$ , and beginning 2015, the    |
| 15 |           |                    | entire renewable portfolio standards shall be met       |
| 16 |           |                    | by electrical generation from renewable energy          |
| 17 |           |                    | sources;  |
| 18 |           | (2)                | Where electrical energy is generated or displaced       |
| 19 |           |                    | by a combination of renewable and nonrenewable          |
| 20 |           |                    | means, the proportion attributable to the               |
| 21 |           |                    | renewable means shall be credited as renewable          |
| 22 |           |                    | energy; [ <del>and</del> ]                              |



| 1  | (3)                    | Where fossil and renewable fuels are co-fired in   |
|----|------------------------|--|
| 2  |                        | the same generating unit, the unit shall be        |
| 3  |                        | considered to generate renewable electrical        |
| 4  |                        | energy (electricity) in direct proportion to the   |
| 5  |                        | percentage of the total heat <u>input</u> value    |
| 6  |                        | represented by the heat <u>input</u> value of the  |
| 7  |                        | renewable fuels [-; and                            |
| 8  | (4)                    | The public utilities commission shall not approve  |
| 9  |                        | applications to build new additional fossil-based  |
| 10 |                        | electric generation units with rated capacity      |
| 11 |                        | greater than two megawatts."                       |
| 12 | SECTION 4              | . Section 269-95, Hawaii Revised Statutes, is      |
| 13 | amended to read        | d as follows:                                      |
| 14 | "§ <mark>269−95</mark> | Renewable portfolio standards study. The public    |
| 15 | utilities comm         | ission shall:                                      |
| 16 | (1) By D               | ecember 31, 2007, develop and implement a utility  |
| 17 | rate                   | making structure, which may include performance-   |
| 18 | base                   | d ratemaking, to provide incentives that encourage |
| 19 | Hawa                   | ii's electric utility companies to use cost-       |
| 20 | effe                   | ctive renewable energy resources found in Hawaii   |
| 21 | to me                  | eet the renewable portfolio standards established  |
| 22 | in se                  | ection 269-92, while allowing for deviation from   |
|    |                        |  |

| 1  |     | the standards in the event that the standards cannot   |
|----|-----|--|
| 2  |     | be met in a cost-effective manner or as a result of    |
| 3  |     | events or circumstances, such as described in section  |
| 4  |     | 269-92(d), beyond the control of the utility that      |
| 5  |     | could not have been reasonably anticipated or          |
| 6  |     | ameliorated;   |
| 7  | (2) | Gather, review, and analyze empirical data to          |
| 8  |     | determine the extent to which any proposed utility     |
| 9  |     | ratemaking structure would impact electric utility     |
| 10 |     | companies' profit margins and to ensure that the       |
| 11 |     | electric utility companies' opportunity to earn a fair |
| 12 |     | rate of return is not diminished; profit margins do    |
| 13 |     | not decrease as a result of the implementation of the  |
| 14 |     | proposed ratemaking structure;                         |
| 15 | (3) | Using funds from the public utilities special fund,    |
| 16 |     | contract with the Hawaii natural energy institute of   |
| 17 |     | the University of Hawaii to conduct independent        |
| 18 |     | studies to be reviewed by a panel of experts from      |
| 19 |     | entities such as the United States Department of       |
| 20 |     | Energy, National Renewable Energy Laboratory, Electric |
| 21 |     | Power Research Institute, Hawaii electric utility      |
| 22 |     | companies, environmental groups, and other similar     |
|    |     |  |

### H.B. NO. 487

institutions with the required expertise. 1 These studies shall include findings and recommendations 2 'regarding: 3 The capability of Hawaii's electric utility 4 (A) companies to achieve renewable portfolio 5 6 standards in a cost-effective manner and shall 7 assess factors such as the impact on consumer 8 rates, utility system reliability and stability, 9 costs and availability of appropriate renewable 10 energy resources and technologies, permitting 11 approvals, effects on the economy, balance of 12 trade, culture, community, environment, land and 13 water, climate change policies, demographics, and 14 other factors deemed appropriate by the 15 commission; and 16 Projected renewable portfolio standards to be set (B) 17 five and ten years beyond the then current 18 standards; 19 (4) [Revise] Evaluate the renewable portfolio standards 20 every five years beginning in 2013, and may revise the 21 standards based on the best information available at 22 the time [if the results of the studies conflict with] HB HMIA 40-2009-2.docx

Page 11

| 1  | to determine if the renewable portfolio standards                            |
|----|--|
| 2  | established by section 269-92[+] remain achievable;                          |
| 3  | and  |
| 4  | (5) Report its findings and revisions to the renewable                       |
| 5  | portfolio standards, based on its own studies and                            |
| 6  | [those contracted under paragraph (3), other                                 |
| 7  | information, to the legislature no later than twenty                         |
| 8  | days before the convening of the regular session of                          |
| 9  | [ <del>2009,</del> ] <u>2014,</u> and every five years thereafter."          |
| 10 | PART III   |
| 11 | NET ENERGY METERING  |
| 12 | SECTION 5. Section 269-101.5, Hawaii Revised Statutes, is                    |
| 13 | amended to read as follows:  |
| 14 | " $[+]$ §269-101.5 $[+]$ Maximum capacity of eligible customer-              |
| 15 | generator. The eligible customer-generator shall have a                      |
| 16 | capacity of not more than fifty kilowatts; provided that the                 |
| 17 | public utilities commission may [increase] by rule or order,                 |
| 18 | modify the maximum allowable capacity that eligible customer-                |
| 19 | generators may have[ <del>to an amount greater than fifty kilowatts by</del> |
| 20 | rule or order.] , or eliminate and replace it with a limit on a              |
| 21 | per-circuit basis for some electric utility companies, which                 |
| 22 | will require such electric utility companies to perform a                    |
|    | HB HMIA 40-2009-2.docx   |

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| 1  | circuit-specific analysis to determine how the limit can be          |
|----|--|
| 2  | increased or mitigated for those circuits where the                  |
| 3  | interconnection requests are approaching the specified limit."       |
| 4  | SECTION 6. Section 269-102, Hawaii Revised Statutes, is              |
| 5  | amended by amending subsection (b) to read as follows:               |
| 6  | "(b) Each net energy metering contract or tariff shall be            |
| 7  | identical, with respect to rate structure, to the contract or        |
| 8  | tariff to which the same customer would be assigned if the           |
| 9  | customer was not an eligible customer-generator[ $\cdot$ ], provided |
| 10 | that the public utilities commission may, by rule or order,          |
| 11 | allow some electric utility companies to assign eligible             |
| 12 | customer-generators to other applicable rates, tariffs, or           |
| 13 | contracts determined reasonable by the public utilities              |
| 14 | commission to encourage the increased use and development of         |
| 15 | renewable energy systems in Hawaii. The charges for all retail       |
| 16 | rate components for eligible customer-generators shall be based      |
| 17 | exclusively on the eligible customer-generator's net kilowatt-       |
| 18 | hour consumption over a monthly billing period. Any new or           |
| 19 | additional demand charge, standby charge, customer charge,           |
| 20 | minimum monthly charge, interconnection charge, or other charge      |
| 21 | that would increase an eligible customer-generator's costs           |
| 22 | beyond those of other customers in the rate class to which the       |
|    | HB HMIA 40-2009-2.docx   |

## H.B. NO. 487

eligible customer-generator would otherwise be assigned are
 contrary to the intent of this section, and shall not form a
 part of net energy metering contracts or tariffs."

4 SECTION 7. Section 269-104, Hawaii Revised Statutes, is5 amended to read as follows:

6 "§269-104 Additional customer-generators. Notwithstanding 7 section 269-102, an electric utility is not obligated to provide 8 net energy metering to additional customer-generators in its 9 service area when the combined total peak generating capacity of 10 all eligible customer-generators served by all the electric 11 utilities in that service area furnishing net energy metering to 12 eligible customer-generators equals .5 per cent of the system 13 peak demand of those electric utilities; provided that the 14 public utilities commission, by rule or order, may increase [7 15 by rule or order, ] or eliminate the limit to the allowable 16 percentage of the electric utility's system peak demand produced 17 from eligible customer-generators in the electric utility's 18 service area, whereupon the electric utility will be obligated 19 to provide net energy metering to additional eligible customer-20 generators in that service area [up to the increased percentage 21 amount]."

22

PART IV



14

| 1  |            | ENERGY RESOURCES COORDINATOR                           |
|----|------------|--|
| 2  | SECT       | ION 8. Section 196-4, Hawaii Revised Statutes, is      |
| 3  | amended to | o read as follows:                                     |
| 4  | "§19       | 6-4 Powers and duties. Subject to the approval of the  |
| 5  | governor,  | the coordinator shall:                                 |
| 6  | (1)        | Formulate plans, including objectives, criteria to     |
| 7  |            | measure accomplishment of objectives, programs through |
| 8  |            | which the objectives are to be attained, and financial |
| 9  |            | requirements for the optimum development of Hawaii's   |
| 10 |            | energy resources;                                      |
| 11 | (2)        | Conduct systematic analysis of existing and proposed   |
| 12 |            | energy resource programs, evaluate the analysis        |
| 13 |            | conducted by government agencies and other             |
| 14 |            | organizations and recommend to the governor and to the |
| 15 |            | legislature programs which represent the most          |
| 16 |            | effective allocation of resources for the development  |
| 17 |            | of energy sources;                                     |
| 18 | (3)        | Formulate and recommend specific proposals, as         |
| 19 |            | necessary, for conserving energy and fuel, including   |
| 20 |            | the allocation and distribution thereof, to the        |
| 21 |            | governor and to the legislature;                       |

| 1  | (4)        | Assist public and private agencies in implementing                       |
|----|------------|--|
| 2  |            | energy conservation and related measures;                                |
| 3  | (5)        | Coordinate the State's energy conservation and                           |
| 4  |            | allocation programs with [ <del>that</del> ] <u>those</u> of the federal |
| 5  |            | government, other state governments, governments of                      |
| 6  |            | nations with interest in common energy resources, and                    |
| 7  |            | the political subdivisions of the State;                                 |
| 8  | (6)        | Develop programs to encourage private and public                         |
| 9  |            | exploration and research of alternative energy                           |
| 10 |            | resources which will benefit the State;                                  |
| 11 | (7)        | Conduct public education programs to inform the public                   |
| 12 |            | of the energy situation as may exist from time to time                   |
| 13 |            | and of the government actions taken thereto;                             |
| 14 | (8)        | Serve as consultant to the governor, public agencies,                    |
| 15 |            | and private industry on matters related to the                           |
| 16 |            | acquisition, utilization, and conservation of energy                     |
| 17 |            | resources;   |
| 18 | (9)        | Contract for services when required for implementation                   |
| 19 |            | of this chapter;   |
| 20 | (10)       | Review proposed state actions which the coordinator                      |
| 21 |            | finds to have significant effect on energy consumption                   |
| 22 |            | and report to the governor their effect on the energy                    |
|    | HB HMIA 40 | 0-2009-2.docx  |

# H.B. NO. 487

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|      | conservation program, and perform such other services  |
|------|--|
|      | as may be required by the governor and the             |
|      | legislature;   |
| (11) | Prepare and submit an annual report and such other     |
|      | reports as may be requested to the governor and to the |
|      | legislature on the implementation of this chapter and  |
|      | all matters related to energy resources; [and]         |
| (12) | Formulate a systematic process including the           |
|      | development of requirements, to identify geographic    |
|      | areas that are rich with renewable energy resource     |
|      | potential which can be developed in cost-effective and |
|      | environmentally benign manner, and designate such      |
|      | areas as renewable energy zones;                       |
| (13) | Develop and recommend incentives plans and programs to |
|      | encourage the development of renewable energy resource |
|      | projects within the renewable energy zones;            |
| (14) | Assist public and private agencies in identifying the  |
|      | utility transmission projects or infrastructure that   |
|      | are required to accommodate and facilitate the         |
|      | development of renewable energy resources;             |
| (15) | Assist public and private agencies in coordination     |
|      |  |
|      | (11)<br>(12)<br>(13)<br>(14)<br>(15)                   |



H.B. NO. 487

| 1  |                     | use of special purpose revenue bonds to finance the    |
|----|---------------------|--|
| 2  |                     | engineering, design, and construction of transmission  |
| 3  |                     | projects and infrastructure that are deemed critical   |
| 4  |                     | to the development of renewable energy resources;      |
| 5  | (16)                | Develop the criteria or requirements for identifying   |
| 6  |                     | and qualifying specific transmission projects or       |
| 7  |                     | infrastructure that are critical to the development of |
| 8  |                     | renewable energy resources, and which the energy       |
| 9  |                     | resources coordinator will assist in accessing the use |
| 10 |                     | of special purpose revenue bonds to finance such       |
| 11 |                     | projects or infrastructure; and                        |
| 12 | [ <del>(12)</del> ] | (17) Adopt rules for the administration of this        |
| 13 |                     | chapter pursuant to chapter 91, provided that the      |
| 14 |                     | rules shall be submitted to the legislature for        |
| 15 |                     | review."   |
| 16 |                     | PART V   |
| 17 |                     | RENEWABLE ENERGY RESOURCES                             |
| 18 | SECTI               | CON 9. Section 209E-2, Hawaii Revised Statutes, is     |
| 19 | amended by          | amending the definition of "qualified business" to     |
| 20 | read as fo          | ollows:  |
| 21 | "Qual               | ified business" means any corporation, partnership, or |
| 22 | sole propr          | rietorship authorized to do business in the State that |
|    | HB HMIA 40          | 0-2009-2.docx  |

| 1  | is qualif: | ied under section 209E-9, subject to the state                    |
|----|------------|---|
| 2  | corporate  | or individual income tax under chapter 235, and is:               |
| 3  | (1)        | Engaged in manufacturing, the wholesale sale of                   |
| 4  |            | tangible personal property as defined in section 237-             |
| 5  |            | 4, or a service business as defined in this chapter;              |
| 6  | (2)        | Engaged in producing agricultural products where the              |
| 7  |            | business is a producer as defined in section 237-5, or            |
| 8  |            | engaged in processing agricultural products, all or               |
| 9  |            | some of which were grown within an enterprise zone;               |
| 10 | (3)        | Engaged in research, development, sale, or production             |
| 11 |            | of all types of genetically-engineered medical,                   |
| 12 |            | agricultural, or maritime biotechnology products; or              |
| 13 | (4)        | Engaged in [ <del>producing electric power from wind energy</del> |
| 14 |            | for sale primarily to a public utility company for                |
| 15 |            | resale to the public.] development or production of               |
| 16 |            | fuels or thermal energy or electrical energy from                 |
| 17 |            | renewable resources, including:                                   |
| 18 |            | (A) <u>Wind;</u>  |
| 19 |            | (B) The sun;  |
| 20 |            | (C) <u>Falling water;</u>   |
| 21 |            | (D) Biogas, including landfill and sewage-based                   |
| 22 |            | digester gas;   |
|    | HB HMIA 40 | 0-2009-2.docx   |

| 1  |           | (E)   | Geothermal;  |
|----|-----------|-------|--|
| 2  |           | (F)   | Ocean water, currents and waves;                         |
| 3  |           | (G)   | Biomass, including biomass crops, agriculture and        |
| 4  |           |       | animal residues and wastes, and solid waste;             |
| 5  |           | (H)   | Biofuels; and  |
| 6  |           | (I)   | Hydrogen produced from renewable energy sources.         |
| 7  |           |       | PART VI  |
| 8  |           |       | RENEWABLE ENERGY FACILITATOR                             |
| 9  | SECT      | ION 1 | 0. Section 201-12.5, Hawaii Revised Statutes, is         |
| 10 | amended b | y ame | nding subsection (b) to read as follows:                 |
| 11 | "(b)      | The   | renewable energy facilitator shall have the              |
| 12 | following | duti  | es:  |
| 13 | (1)       | Faci  | litate the efficient permitting of renewable             |
| 14 |           | ener  | gy projects[ $\cdot$ ], which include the land parcel on |
| 15 |           | whic  | h the facility is situated, any renewable energy         |
| 16 |           | prod  | uction structure or equipment, any energy                |
| 17 |           | tran  | smission line from the facility to a public              |
| 18 |           | util  | ity's electricity system, and any on-site                |
| 19 |           | infr  | astructure necessary for the production of               |
| 20 |           | elec  | tricity or biofuel from the renewable energy site;       |

HB HMIA 40-2009-2.docx

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| 1  | (2)        | Initiate the implementation of key renewable energy         |
|----|------------|---|
| 2  |            | projects by permitting various efficiency improvement       |
| 3  |            | strategies identified by the department;                    |
| 4  | (3)        | Administer the day-to-day coordination for renewable        |
| 5  |            | energy projects on behalf of the department and the         |
| 6  |            | day-to-day operations of the renewable energy facility      |
| 7  |            | siting process established in $[+]$ Act 207, Session Laws   |
| 8  |            | of Hawaii 2008[ <del>]</del> ]; and                         |
| 9  | (4)        | Submit periodic reports to the legislature on               |
| 10 |            | renewable energy facilitation activities and the            |
| 11 |            | progress of the renewable energy facility siting            |
| 12 |            | process."   |
| 13 |            | PART VII  |
| 14 |            | RENEWABLE ENERGY PERMITTING                                 |
| 15 | SECT       | ION 11. Section 201N-1, Hawaii Revised Statutes, is         |
| 16 | amended by | y amending the definition of "renewable energy              |
| 17 | facility"  | to read as follows:   |
| 18 | ""Rei      | newable energy facility" or "facility" means a new          |
| 19 | facility 1 | located in the State with the capacity to produce from      |
| 20 | renewable  | energy at least two hundred megawatts of                    |
| 21 | electrici  | ty $[-,]$ ; provided that biofuel production facilities and |
| 22 | electrici  | ty production facilities with capacities between five       |
|    | HB HMIA 4  | 0-2009-2.docx   |

| 1  | and two h    | undred megawatts may apply to the coordinator for       |
|----|--------------|---|
| 2  | designati    | on as renewable energy facilities, with such            |
| 3  | designati    | on to be at the sole discretion of the coordinator.     |
| 4  | The term     | includes any of the following associated with the       |
| 5  | initial p    | ermitting and construction of the facility:             |
| 6  | (1)          | The land parcel on which the facility is situated;      |
| 7  | (2)          | Any renewable energy production structure or            |
| 8  |              | equipment;  |
| 9  | (3)          | Any energy transmission line from the facility to a     |
| 10 |              | public utility's electricity transmission or            |
| 11 |              | distribution system;                                    |
| 12 | (4)          | Any on-site infrastructure; and                         |
| 13 | (5)          | Any on-site building, structure, other improvement, or  |
| 14 |              | equipment necessary for the production of electricity   |
| 15 |              | or biofuel from the renewable energy site,              |
| 16 |              | transmission of the electricity or biofuel, or any      |
| 17 |              | accommodation for employees of the facility.            |
| 18 | SECT         | ION 12. Section 201N-4, Hawaii Revised Statutes, is     |
| 19 | amended by   | y amending subsection (g) to read as follows:           |
| 20 | <b>"</b> (g) | Each appropriate state and county agency shall          |
| 21 | diligentl    | y endeavor to process and approve or deny any permit in |
| 22 | the permi    | t plan no later than twelve months after a completed    |
|    | HB HMIA 4    | 0-2009-2.docx   |

### H.B. NO. 487

| 1  | permit plan application is approved by the coordinator. If a      |
|----|---|
| 2  | permit is not approved or denied within twelve months after       |
| 3  | approval of a completed permit plan application, the permitting   |
| 4  | agency, within thirty days following the twelve-month period,     |
| 5  | shall provide the coordinator with a report identifying diligent  |
| 6  | measures that are being taken by the agency to complete           |
| 7  | processing and action as soon as practicable. If no further       |
| 8  | processing and action are reported by the permitting agency       |
| 9  | within five months, the permit shall be deemed approved. If a     |
| 10 | permitting agency fails to provide this report and if the permit  |
| 11 | has not been approved or denied within eighteen months following  |
| 12 | the approval of a completed permit plan application by the        |
| 13 | coordinator, the permit shall be deemed approved."                |
| 14 | SECTION 13. There is appropriated out of the renewable            |
| 15 | energy facility siting special fund the sum of \$1,000,000, or so |
| 16 | much thereof as may be necessary, for fiscal year 2009-2010 and   |
| 17 | the sum of \$1,000,000, or so much thereof as may be necessary    |
| 18 | for fiscal year 2010-2011. The sums appropriated by this Act      |
| 19 | shall be expended by the department of business, economic         |
| 20 | development, and tourism for the purposes of the fund created in  |
| 21 | section 201N-11, Hawaii Revised Statutes.                         |

22 SECTION 14. This Act shall take effect upon its approval. HB HMIA 40-2009-2.docx

TRODUCED BY: E

Sabara Marumoto

en Thie

JAN 2 3 2009



#### Report Title:

Hawaii Clean Energy Initiative (HCEI); Electric Generation and Delivery

#### Description:

Establishes electric generation and delivery initiatives necessary for and contributing to the transition of Hawaii's energy sector to 70% non-petroleum energy sources by 2030.

