
A BILL FOR AN ACT

RELATING TO ENERGY.

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

1 SECTION 1. The legislature finds that Hawaii's dependence
2 on imported fossil fuels drains the state economy of billions of
3 dollars each year. The volatility of imported fuel prices
4 creates significant risks for the economy and adds to costs for
5 local families. The legislature further finds that the use of
6 fossil fuel reduces air quality and leads to increased
7 greenhouse gas emissions in the atmosphere. This contributes to
8 climate change, which poses a serious threat to Hawaii's
9 economic well-being, public health, natural resources, and
10 environment. Climate change harms marine ecosystems and causes
11 sea levels to rise, which results in the displacement of coastal
12 residences and businesses. Climate change also poses a serious
13 threat to public health by increasing the incidences of
14 infectious diseases, asthma, and other health-related problems.

15 The legislature notes that on a per-mile basis, it is
16 significantly less expensive to commute in an electric vehicle
17 than it is to commute in a gas-powered automobile. Residents



1 can lower their cost of living by relying on local renewable
2 energy for transportation and transitioning to less-expensive
3 renewable vehicles and transportation systems. The legislature
4 further finds that autonomous electric vehicles already
5 operating on public roads in cities around the country signal an
6 approaching revolution in transportation that has the potential
7 to dramatically reduce costs for consumers and change the way
8 people commute. However, in order for local consumers and
9 families to benefit from these changes and properly transition
10 away from expensive fossil fuel vehicles, Hawaii must be
11 prepared with critical infrastructure elements, such as electric
12 vehicle charging stations.

13 The purpose of this Act is to prepare for the transition to
14 renewable ground transportation in Hawaii by:

- 15 (1) Establishing a goal for the reduction and ultimate
16 elimination of the use of fossil fuels for ground
17 transportation by 2045; and
- 18 (2) Directing the department of transportation to
19 collaborate with the state energy office in
20 establishing a working group that shall establish
21 baseline metrics, identify a plan, and develop



1 recommendations to achieve one hundred per cent
2 renewable ground transportation statewide by 2045.

3 SECTION 2. Chapter 264, Hawaii Revised Statutes, is
4 amended by adding a new section to part I to be appropriately
5 designated and to read as follows:

6 "§264- Renewable ground transportation working group.

7 (a) The department of transportation, in collaboration with the
8 state energy office of the department of business, economic
9 development, and tourism, shall establish a renewable ground
10 transportation working group that shall:

11 (1) Create baseline metrics for defining and meaningfully
12 tracking basic modes of renewable ground
13 transportation as a percentage of all ground
14 transportation;

15 (2) Identify a plan to make progress toward the goal of
16 achieving one hundred per cent renewable ground
17 transportation statewide by 2045;

18 (3) Include future mode share targets in the plan
19 described in paragraph (2); and



1 (4) Develop recommendations regarding the additional steps
2 necessary to help achieve the goal described in
3 paragraph (2).

4 (b) The number of members of the working group shall be
5 determined by the director of transportation, or the director's
6 designee, who shall serve as the chair of the working group;
7 provided that the working group shall include:

8 (1) One member representing the state energy office of the
9 department of business, economic development, and
10 tourism; and

11 (2) As appointed by the chair, other state employees,
12 county employees, or members of the public who have
13 expertise in the use of renewable energy for
14 transportation.

15 (c) Members of the working group shall receive no
16 compensation for their service but shall be reimbursed for
17 reasonable expenses incurred, including travel expenses,
18 relating to their service on the working group.

19 (d) In its annual report submitted to the legislature
20 pursuant to part II of Act 100, Session Laws of Hawaii 1999, the
21 department of transportation shall:



1 (1) Include information about the working group's progress
2 regarding its duties in subsection (a); and

3 (2) Make recommendations as developed pursuant to
4 subsection (a)(4).

5 (e) For purposes of this section, "renewable ground
6 transportation" means ground transportation that operates solely
7 on renewable energy or avoids fossil fuel consumption."

8 SECTION 3. Section 196-10.5, Hawaii Revised Statutes, is
9 amended by amending subsection (a) to read as follows:

10 " (a) There is established within the department of
11 business, economic development, and tourism, a Hawaii clean
12 energy initiative program to manage the State's transition to a
13 clean energy economy. The clean energy program shall design,
14 implement, and administer activities that include:

15 (1) Strategic partnerships for the research, development,
16 testing, deployment, and permitting of clean and
17 renewable technologies;

18 (2) Engineering and economic evaluations of Hawaii's
19 potential for near-term project opportunities for the
20 State's renewable energy resources;



- 1 (3) Electric grid reliability and security projects that
- 2 will enable the integration of a substantial increase
- 3 of electricity from renewable-energy resources;
- 4 (4) A statewide clean energy public education and outreach
- 5 plan to be developed in coordination with Hawaii's
- 6 institutions of public education;
- 7 (5) Promotion of Hawaii's clean and renewable resources to
- 8 potential partners and investors;
- 9 (6) A plan, to be implemented from 2011 to ~~[2030]~~ 2045,
- 10 to transition the State to a clean energy economy~~[7]~~,
- 11 including the reduction and ultimate elimination by
- 12 2045 of Hawaii's dependence on imported fossil fuels
- 13 for electrical generation and ground transportation;
- 14 and
- 15 (7) A plan, to be implemented from 2011 to ~~[2030]~~ 2045,
- 16 to assist each county in transitioning to a clean
- 17 energy economy."

18 SECTION 4. Section 226-17, Hawaii Revised Statutes, is
19 amended by amending subsection (a) to read as follows:



1 "(a) Planning for the State's facility systems with regard
2 to transportation shall be directed towards the achievement of
3 the following objectives:

4 (1) An integrated multi-modal transportation system that
5 services statewide needs and promotes the efficient,
6 economical, safe, and convenient movement of people
7 and goods[-];

8 (2) A statewide transportation system that is consistent
9 with and will accommodate planned growth objectives
10 throughout the State[-]; and

11 (3) Increased energy security and self-sufficiency through
12 the reduction and ultimate elimination, by 2045, of
13 imported fossil fuels for ground transportation."

14 SECTION 5. Section 226-18, Hawaii Revised Statutes, is
15 amended by amending subsection (a) to read as follows:

16 "(a) Planning for the State's facility systems with regard
17 to energy shall be directed toward the achievement of the
18 following objectives, giving due consideration to all:

19 (1) Dependable, efficient, and economical statewide energy
20 systems capable of supporting the needs of the people;

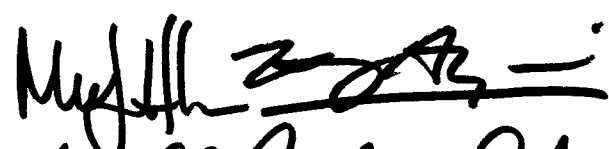




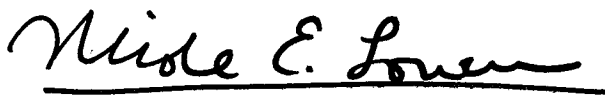
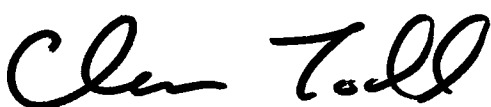


- 1 (2) Increased energy security and self-sufficiency through
- 2 the reduction and ultimate elimination, by 2045, of
- 3 Hawaii's dependence on imported fuels for electrical
- 4 generation and ground transportation;
- 5 (3) Greater diversification of energy generation in the
- 6 face of threats to Hawaii's energy supplies and
- 7 systems;
- 8 (4) Reduction, avoidance, or sequestration of greenhouse
- 9 gas emissions from energy supply and use; and
- 10 (5) Utility models that make the social and financial
- 11 interests of Hawaii's utility customers a priority."

12 SECTION 6. Statutory material to be repealed is bracketed
 13 and stricken. New statutory material is underscored.

14 SECTION 7. This Act shall take effect on July 1, 2017;
 15 provided that section 2 shall be repealed on January 31, 2046.

INTRODUCED BY:



H.B. NO. 1580

Report Title:

Department of Transportation; Renewable Energy; Working Group

Description:

Establishes a goal to reduce and ultimately eliminate the use of fossil fuels for ground transportation by 2045. Creates a working group to create metrics, identify a plan, and develop recommendations to achieve 100% renewable ground transportation statewide by 2045.

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