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# 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 incidence 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 begin the transition to 100  
14 per cent clean ground transportation in Hawaii by:

- 15 (1) Establishing a clean ground transportation benchmark  
16 framework, including a near term 2025 target  
17 supporting Hawaii's goal for the reduction and  
18 ultimate elimination of the use of imported fuels for  
19 ground transportation; and
- 20 (2) Directing the department of transportation to  
21 collaborate with the state energy office to identify a



1 plan and develop recommendations to support the  
2 achievement of benchmarks leading to the ultimate  
3 elimination of imported fuels for ground  
4 transportation.

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

8 "§264- Hawaii clean ground transportation initiative.

9 (a) The department of transportation, in collaboration with the  
10 state energy office of the department of business, economic  
11 development, and tourism, shall:

12 (1) Identify a plan to make progress toward the one  
13 hundred per cent clean ground transportation goals  
14 identified in section 196-10.5(a)(8);

15 (2) Develop recommendations regarding the additional steps  
16 necessary to help achieve the goals of this section;  
17 and

18 (3) Convene stakeholders in a clean ground transportation  
19 forum to solicit and incorporate input on the  
20 department of transportation's clean ground



1           transportation activities to help achieve the goals of  
2           this section.

3           (b) In its annual report submitted to the legislature  
4 pursuant to part II of Act 100, Session Laws of Hawaii 1999, the  
5 department of transportation shall include recommendations as  
6 developed pursuant to this section.

7           (c) For purposes of this section, "clean ground  
8 transportation" means ground transportation that avoids fossil  
9 fuel consumption.

10           (d) The clean ground transportation forum established by  
11 the department in this section shall not be subject to chapter  
12 92."

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

15           "(a) There is established within the department of  
16 business, economic development, and tourism, a Hawaii clean  
17 energy initiative program to manage the State's transition to a  
18 clean energy economy. The clean energy program shall design,  
19 implement, and administer activities that include:



- 1           (1) Strategic partnerships for the research, development,  
2                   testing, deployment, and permitting of clean and  
3                   renewable technologies;
- 4           (2) Engineering and economic evaluations of Hawaii's  
5                   potential for near-term project opportunities for the  
6                   State's renewable energy resources;
- 7           (3) Electric grid reliability and security projects that  
8                   will enable the integration of a substantial increase  
9                   of electricity from renewable-energy resources;
- 10          (4) A statewide clean energy public education and outreach  
11                   plan to be developed in coordination with Hawaii's  
12                   institutions of public education;
- 13          (5) Promotion of Hawaii's clean and renewable resources to  
14                   potential partners and investors;
- 15          (6) A plan, to be implemented from 2011 to ~~[2030]~~ 2045,  
16                   to transition the State to a clean energy economy;  
17                   ~~[and]~~
- 18          (7) A plan, to be implemented from 2011 to ~~[2030]~~ 2045,  
19                   to assist each county in transitioning to a clean  
20                   energy economy ~~[-]~~; and



1       (8) A plan, to be implemented between 2017 and 2025 to  
2       achieve a reduction of five per cent in fossil fuel  
3       consumption for ground transportation relative to 2016  
4       levels and shall include metrics to measure and  
5       evaluate progress towards the target fossil fuel  
6       reductions in ground transportation, to be established  
7       by the state energy office; provided that two years  
8       prior to the completion of the plan and every five  
9       years thereafter, a report shall be submitted to the  
10       legislature that includes:

11       (A) Progress towards the established target  
12       benchmarks;

13       (B) Proposals for legislative actions to support the  
14       achievement of the next fossil fuel reduction in  
15       transportation benchmark; and

16       (C) A new target benchmark for the reduction of  
17       fossil fuel consumption in ground transportation  
18       for five years from the previous target."

19       SECTION 4. Section 226-17, Hawaii Revised Statutes, is  
20       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 of imported  
13          fuel consumption for ground transportation, in  
14          accordance with benchmarks established pursuant to  
15          section 196-10.5(a)(8)."

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

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



- 1 (1) Dependable, efficient, and economical statewide energy
- 2 systems capable of supporting the needs of the people;
- 3 (2) Increased energy security and self-sufficiency through
- 4 the reduction and ultimate elimination of Hawaii's
- 5 dependence on imported fuels for electrical generation
- 6 ~~[and ground transportation]~~ in accordance with the
- 7 ground transportation benchmarks established pursuant
- 8 to section 196-10.5(a)(8);
- 9 (3) Greater diversification of energy generation in the
- 10 face of threats to Hawaii's energy supplies and
- 11 systems;
- 12 (4) Reduction, avoidance, or sequestration of greenhouse
- 13 gas emissions from energy supply and use; and
- 14 (5) Utility models that make the social and financial
- 15 interests of Hawaii's utility customers a priority."

16 SECTION 6. Statutory material to be repealed is bracketed  
17 and stricken. New statutory material is underscored.

18 SECTION 7. This Act shall take effect on July 1, 2030;  
19 provided that section 2 shall be repealed on January 31, 2046.



**Report Title:**

Department of Transportation; Renewable Energy; Working Group

**Description:**

Establishes a clean ground transportation benchmark framework to maximize consumer fuel savings, including a near term 2025 target encouraging electric vehicle infrastructure buildout supporting Hawaii's goal for the reduction and ultimate elimination of the use of imported fuels for ground transportation. Directs the department of transportation to collaborate with the state energy office to develop recommendations to achieve those benchmarks. (HB1580 HD2)

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