
A BILL FOR AN ACT

RELATING TO GREENHOUSE GAS EMISSIONS REDUCTION.

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

1 SECTION 1. The legislature finds that the use of fossil
2 fuels in the State is the primary contributor to greenhouse gas
3 emissions in the atmosphere. These emissions contribute to
4 climate change, which poses a serious threat to Hawaii's
5 economic well-being, public health, infrastructure, and
6 environment. Hawaii's dependence on fossil fuels also drains
7 the economy of billions of dollars each year, makes residents
8 vulnerable to the volatility of oil prices, and puts residents
9 at increased risk of being negatively impacted by natural
10 disasters. Thus, Act 15, Session Laws of Hawaii 2018,
11 established a goal for Hawaii's economy to become carbon neutral
12 by the year 2045.

13 The legislature further finds that the transportation
14 sector accounts for the use of more than two-thirds of the oil
15 imported into the State. The legislature notes that electric
16 vehicles provide a viable, cost-effective alternative to
17 vehicles having internal combustion engines. However, in order



1 for the adoption of electric vehicles to continue to grow,
2 Hawaii must ensure that adequate infrastructure is in place to
3 support the adoption of these vehicles. The legislature also
4 finds that helping to develop grid flexibility, electric
5 vehicles, and electric vehicle infrastructure can play a
6 critical role in helping the State to reach its goal of
7 achieving one hundred per cent renewable power generation.

8 The legislature recognizes that there are many questions to
9 consider in the development of statewide electric vehicle
10 infrastructure to ensure that the infrastructure serves areas
11 and populations that are currently underserved and that the
12 technology is functional, reliable, accessible, and operated in
13 a way that contributes to the functionality of the grid and its
14 ability to accommodate more renewable energy and distributed
15 generation.

16 Accordingly, the purpose of this Act is to require the
17 Hawaii state energy office to provide recommendations for a
18 comprehensive approach to the development infrastructure for
19 vehicles that are powered by renewable energy.

20 SECTION 2. (a) The Hawaii state energy office shall
21 conduct a study to make recommendations for a comprehensive



1 approach to the development of infrastructure for vehicles that
2 are powered by renewable energy in the State to support the
3 State's transition to clean transportation.

4 (b) The study shall include but not be limited to
5 consideration of the following:

6 (1) Development, repair, and maintenance of charging or
7 filling stations for vehicles that are powered by
8 renewable energy and methods to ensure that publicly
9 accessible charging or filling stations are reliable;

10 (2) Potential forms of ownership of infrastructure for
11 vehicles that are powered by renewable energy,
12 including but not limited to ownership by one or more
13 electric utilities or an authorized and regulated
14 monopoly;

15 (3) If the electric vehicle infrastructure is not owned by
16 an electric utility:

17 (A) The roles that various electric utilities could
18 have in infrastructure for vehicles that are
19 powered by renewable energy; and



- 1 (B) The best approach for electric utilities to
- 2 interact with infrastructure for vehicles that
- 3 are powered by renewable energy;
- 4 (4) Possible methods of:
- 5 (A) Collecting, sharing, and using data;
- 6 (B) Networking charging or filling stations for
- 7 vehicles that are powered by renewable energy;
- 8 (C) Optimizing the use, siting, and sharing of
- 9 charging or filling stations for vehicles that
- 10 are powered by renewable energy, including but
- 11 not limited to the possible utilization of
- 12 technology;
- 13 (D) Accelerating any permitting processes necessary
- 14 for charging or filling stations for vehicles
- 15 that are powered by renewable energy; and
- 16 (E) Financing the construction of proposed
- 17 infrastructure for vehicles that are powered by
- 18 renewable energy, including on-bill financing and
- 19 the use of rebates;
- 20 (5) Evaluating incentives that encourage the development
- 21 and adoption of infrastructure for vehicles that are



1 powered by renewable energy and who can best provide
2 those incentives;

3 (6) Examining ways the State can engage with vehicle
4 manufacturers and local car dealers to develop
5 increased support for vehicles that are powered by
6 renewable energy and any necessary infrastructure for
7 those vehicles, including but not limited to:

8 (A) Securing increased allocations of vehicles that
9 are powered by renewable energy;

10 (B) Developing and improving the training of sales
11 staff on vehicles that are powered by renewable
12 energy; and

13 (C) Installing charging or filling stations for
14 vehicles that are powered by renewable energy at
15 dealerships;

16 (7) Best methods for managing and sharing charging or
17 filling stations for multi-unit dwellings; and

18 (8) Identifying entities that have avoided greenhouse gas
19 emissions and devising a framework for awarding to
20 those entities an instrument similar to carbon
21 credits.



1 (c) Prior to the Hawaii state energy office finalizing the
2 report, the Hawaii state energy office shall solicit feedback
3 from pertinent stakeholders; including but not limited to the
4 counties, car dealers, car manufacturers, and commercial
5 property owners where charging or filling stations are located;
6 regarding its proposed recommendations to the legislature.

7 (d) The Hawaii state energy office shall submit a report
8 of its findings and recommendations, including any proposed
9 legislation, to the legislature no later than sixty days prior
10 to the convening of the regular session of 2022.

11 (e) For the purposes of this Act, "renewable energy" shall
12 have the same meaning as defined in section 269-91, Hawaii
13 Revised Statutes.

14 SECTION 3. There is appropriated out of the energy
15 security special fund the sum of \$ or so much thereof
16 as may be necessary for fiscal year 2020-2021 for the Hawaii
17 state energy office to conduct a study to determine the most
18 effective approaches to regulate, manage, and prepare for an
19 electric vehicle infrastructure in the State.

20 The sum appropriated shall be expended by the Hawaii state
21 energy office for the purposes of this Act.



1 SECTION 4. This Act shall take effect on July 1, 2020.



Report Title:

HSEO; Greenhouse Gas Emissions; Renewable Energy Vehicle
Infrastructure; Study; Appropriation

Description:

Requires the Hawaii State Energy Office to conduct a study to
provide recommendations for a comprehensive approach to the
development of infrastructure for vehicles that are powered by
renewable energy. Appropriates moneys. (SD1)

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