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# A BILL FOR AN ACT

RELATING TO THE STATE ENERGY OFFICE.

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

1       SECTION 1. The legislature finds that the threat posed by  
2 climate change is of serious concern to the State. With record  
3 temperatures and more frequent incidences of extreme weather,  
4 additional action is needed to combat climate change. The State  
5 has set a goal to reach one hundred per cent renewable energy  
6 use by 2045 but, while that is an admirable goal, the State must  
7 take action beyond the adoption of renewable energy.

8       The legislature further finds that, in addition to reducing  
9 carbon emissions through the use of renewable energy, the State  
10 must exploit carbon offsetting strategies and technologies.  
11 According to the Intergovernmental Panel on Climate Change,  
12 limiting global warming to 1.5 degrees Celsius will be  
13 impossible without the use of carbon capture technologies.  
14 Currently, the most common method of carbon offsetting is the  
15 planting of trees. However, advances in technology now allow  
16 for carbon to be scrubbed from the atmosphere with a combination  
17 of high-powered fans and filters. In 2021, a carbon capture



1 plant using that technology began operation in Iceland and can  
2 remove four thousand metric tons of carbon dioxide from the  
3 atmosphere each year. Future advances in carbon capture  
4 technology will likely expand those capabilities significantly.

5 The purpose of this Act is to direct the Hawaii natural  
6 energy institute in conjunction with the Hawaii state energy  
7 office to develop and submit a strategy no later than forty days  
8 prior to the convening of the regular session of 2024 for the  
9 construction of at least one atmospheric carbon capture plant in  
10 the State by 2030.

11 SECTION 2. The Hawaii natural energy institute, in  
12 conjunction with the Hawaii state energy office, shall develop a  
13 strategy for the construction of an atmospheric carbon capture  
14 plant in the State to be constructed by 2030. The strategy  
15 shall detail the type of construction, proposed location,  
16 estimated costs, staffing requirements, and estimated annual  
17 carbon dioxide capture rate of potential atmospheric carbon  
18 capture plants.

19 SECTION 3. The Hawaii natural energy institute shall  
20 submit:



(1) An interim report of its progress on developing a strategy for the construction of an atmospheric carbon capture plant in the State by 2030 to the legislature no later than twenty days prior to the convening of the regular session of 2023; and

(2) Its final report regarding the recommended strategy for the construction of at least one atmospheric carbon capture plant in the State by 2030, including any proposed legislation, to the legislature no later than forty days prior to the convening of the regular session of 2024.

SECTION 4. This Act shall take effect upon its approval.



**Report Title:**

Hawaii Natural Energy Institute; Hawaii State Energy Office;  
Atmospheric Carbon Capture Plant

**Description:**

Directs the Hawaii Natural Energy Institute, in conjunction with the Hawaii State Energy Office, to develop and submit a strategy to the Legislature no later than forty days prior to the convening of the Regular Session of 2024 for the construction of at least one atmospheric carbon capture plant in the State by 2030. Requires an interim progress report to be submitted to the Legislature no later than twenty days prior to the convening of the Regular Session of 2023. (SD1)

*The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.*

