

JAN 15 2025

---

---

# A BILL FOR AN ACT

RELATING TO AN ATMOSPHERIC CARBON CAPTURE PLANT.

**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 and the world.  
3 Proactive measures are needed to combat rising record  
4 temperatures and more frequent incidences of extreme weather.  
5 According to the Emissions Database for Global Atmospheric  
6 Research, more than thirty billion tons of carbon dioxide has  
7 been released into the atmosphere every year since 2005. While  
8 the State has set the goal to reach one hundred per cent  
9 renewable energy use by 2045, the State must take additional  
10 climate action beyond the adoption of renewable energy.

11           The legislature further finds that, in addition to reducing  
12 carbon emissions through the use of renewable energy, the State  
13 must utilize carbon offsetting strategies and technologies.  
14 According to the Intergovernmental Panel on Climate Change,  
15 limiting global warming to 1.5 degrees Celsius will be  
16 impossible without the use of carbon capture technologies.  
17 Currently, the most common method of carbon offsetting is the



1 planting of trees. Alternatively, carbon capture plants require  
2 substantially less land to remove an equivalent amount of carbon  
3 dioxide. Advances in technology now allow for carbon to be  
4 scrubbed from the atmosphere with a combination of high-powered  
5 fans and filters and to be stored underground. In 2021, a  
6 carbon capture plant using that technology began operation in  
7 Iceland, removing four thousand tons of carbon dioxide from the  
8 atmosphere each year. Another Icelandic plant opened in 2024,  
9 which can capture thirty-six thousand tons of atmospheric carbon  
10 dioxide annually. Future advances in carbon capture technology  
11 will likely expand those capabilities significantly. The  
12 legislature also finds that the United States Department of  
13 Energy has announced funding for carbon capture technologies,  
14 and this Act may assist the State in obtaining federal funds.

15 The legislature further finds that the threat to the State  
16 posed by climate change and the utilization of carbon offsetting  
17 strategies and technologies to limit global warming are matters  
18 of statewide concern that fall under the legislature's purview  
19 pursuant to article X, section 6, of the Hawaii State  
20 Constitution.





# S.B. NO. 399

**Report Title:**

HSEO; HNEI; Atmospheric Carbon Capture Plant; Feasibility Study; Report

**Description:**

Directs the Hawaii State Energy Office, in conjunction with the Hawaii Natural Energy Institute, to conduct a feasibility study for the construction of an atmospheric carbon capture plant in the State. Requires a report to the Legislature.

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

