

Donald H. Albertson, 1300 Scott Avenue, Cambridge, Ohio 43725

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To: The Ohio House Natural Resources Committee

Subject: Some Reasons to REJECT 2025 Ohio House Bill 170

The purpose of this written testimony is to briefly share some vital information regarding climate change, carbon capture / storage, Ohio House Bill 170 and Ohio's energy policies.

As a farm owner and a retired Ohio professional industrial engineer who has self-educated himself about climate change, I am sadly aware that the climate crisis is very real and will get significantly worse. However, carbon capture and underground utilization / storage is a false climate solution in populated areas like Ohio because it does not meet reasonable technical, health, safety, liability, economic, strategic and sustainability criteria. Laws cannot resolve the many shortcomings of CCS (as states like Louisiana and Illinois are learning by experience).

To eliminate their emissions of greenhouse gases and particulate matter, existing coal and natural gas power plants need to be replaced ASAP by an economical and reliable mixture of clean energy sources — wind, solar, hydropower, geothermal and nuclear. (Please note that underground CO2 storage would jeopardize future horizontal drilling for deep geothermal energy.)

According to many articles on Google, there is a growing shortage of carbon dioxide, which has numerous uses. Opportunities may exist to re-direct the carbon dioxide by-products from factories making ethanol, steel, cement, plastics, etc. Also, technological options are known by the steel and cement industries.

Primarily for environmental, health, safety, liability and economic reasons, I recommend that Ohio legislators:

1. Reject HB 170 and related SB 136
2. Adopt a ban or significant moratorium on CCS and CCUS (as Louisiana is now considering)
3. Note the State's poor ranking on the use of clean energy for generating electricity
4. Adopt clean energy goals and legislation (reference: "Thirteen states have committed to 100% clean electricity" <https://environmentamerica.org/articles/eleven-states-have-committed-to-100-clean-electricity/>)

Respectfully submitted,

Donald H. Albertson