Laurie Purpuro
K&L Gates
CO2 Policy
“Several commenters also suggested that algae-based CCU (i.e., the use of algae to convert captured CO2 to useful products – especially biofuels) should be recognized for its potential to reduce emissions from existing fossil-fueled EGUs. Unlike geologic sequestration, there are currently no uniform monitoring and reporting mechanisms to demonstrate that these alternative end uses of captured CO2 result in overall reductions of CO2 emissions to the atmosphere. As these alternative technologies are developed, the EPA is committed to working collaboratively with stakeholders to evaluate the efficacy of alternative utilization technologies, to address any regulatory hurdles, and to develop appropriate monitoring and reporting protocols to demonstrate CO2 reductions.

In the meantime, **state plans may allow affected EGUs to use qualifying CCU technologies** to reduce CO2 emissions that are subject to an emission standard, or those that are counted when demonstrating achievement of the CO2 emission performance rates or a state rate-based or mass-based CO2 emission. State plans must include analysis supporting how the proposed qualifying CCU technology results in CO2 emission mitigation from affected EGUs and provide monitoring, reporting, and verification requirements to demonstrate the reductions. The EPA would then review the appropriateness and basis for the analysis and the verification requirements in the course of its review of the state plan.”

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Authorizing Language - FE

- Energy Policy Modernization Act (Murkowski)
  - Manchin/Heitkamp/Whitehouse
- American Energy Innovation Act
- Carbon Capture R&D Act
  - Salmon/Peters

“Section 961(a) of the Energy Policy Act of 2005 (42 U.S.C. 16291(a)) is amended by adding at the end the following: (8) Improving the conversion, use, and storage of carbon dioxide produced from fossil fuels.”

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House report: $2,000,000 for Carbon Use and Reuse
Senate report: $10,000,000 for Carbon Use and Reuse

Additional Senate Report Language: Carbon Storage.
… $10,000,000 for Carbon Use and Reuse for research and development activities to support valuable and innovative uses for carbon. The Committee recognizes that finding new commercial uses for captured carbon could significantly offset the costs of capturing and sequestering carbon from our Nation’s coal-fired power plants. The Committee encourages the Secretary to use its existing authorities to fund activities that promote the reuse of captured carbon from coal and other sources in the production of fuels and other products. The Committee also urges the Secretary to support other carbon dioxide utilization technologies in addition to Enhanced Oil Recovery [EOR], including using carbon dioxide to produce algae.

The Committee encourages the Office of Fossil Energy to collaborate with the Bioenergy Technologies program within the Office of Energy Efficiency and Renewable Energy to support projects that utilize carbon dioxide in the production of algae.

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"The Committee is concerned about the EPA’s low prioritization of policies that incentivize the utilization of CO2 in the production of valuable products. The Committee understands that there are technologies which have the potential to create a market for utility and industrial CO2. The Committee strongly encourages the EPA to implement policies which encourage and incentivize the utilization of CO2 to make valuable products."

Please visit: www.algaebiomass.org for more information
The Team

- Matt Carr, ABO ED
- ABO Executive Policy Committee
- K&L Gates
  - Cliff Rothenstein
  - Tim Peckinpaugh

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