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April 27, 2022

The Honorable Rosa L. DeLauro
Chair
House Committee on Appropriations
H-307 The Capitol
Washington, D.C. 20515

The Honorable Kay Granger
Ranking Member
House Committee on Appropriations
H-307 The Capitol
Washington, D.C. 20515

Dear Chair DeLauro and Ranking Member Granger:

I am requesting funding for SeaChange: Carbon Sequestration Pilot in fiscal year 2023.

The entity to receive funding for this project is the University of California, Los Angeles located at 405 Hilgard Avenue, Los Angeles, CA 90024.

The funding will support SeaChange's goal to translate carbon management technologies, from the bench to the near-commercial prototype scale. The focus will be directed on generating design relationships that will be used to develop process flow and instrumentation diagrams to support plant construction. Constructing and integrating the pilot plant on site will require engineering design, fabrication and construction partners. Local engineering and fabrication partners will construct the electrochemical reactors and the fluid handling and control systems that comprise the balance of the process plant. Operating the process will identify optimum conditions that lead to net negative CO₂ removal. Finally, the project aims not only to perform dioxide removal from sea water, but also to produce and implement valuable products, expanding the supply of critical materials. For example, the electrolytic mineral-formation will lead to water's alkalization, which generates hydrogen (H₂). This H₂ can be used as a clean fuel, supporting the green energy transition.

I certify that neither I nor my immediate family has any financial interest in this project.

Sincerely,



Ted W. Lieu
Member of Congress