



April 5, 2018

The Honorable John Barrasso
U.S. Senate
307 Dirksen Senate Office Building
Washington, DC 20510

The Honorable Sheldon Whitehouse
U.S. Senate
530 Hart Senate Office Building
Washington, DC 20510

Dear Senators Barrasso and Whitehouse:

On behalf of Global Thermostat, I write in support of the “Utilizing Significant Emissions with Innovative Technologies” (USEIT) Act. We understand there will be a hearing on April 11, 2018 at 10:15am in the Dirksen Senate Office Building Room 406. Thank you for your leadership in authoring this legislation.

Global Thermostat has pioneered a breakthrough low-cost technology that removes CO₂ directly from air and is now entering its commercial stage. Our cost is sufficiently low that we can sell the CO₂ we remove from the atmosphere for commercial use, for example to carbonated beverage companies, such as Coca Cola, and for the production of plastics from CO₂ that is used by firms such as Ikea. Global Thermostat has built a commercial demonstration carbon capture plant at SRI, 333 Ravenswood Avenue in Menlo Park, CA (Silicon Valley) and is currently building commercial plants to remove CO₂ directly from air (direct air capture or “DAC”) at our factory in Huntsville, AL.

The UN Intergovernmental Panel on Climate Change that is composed of thousands of scientists around the world and has received the Nobel Prize for its work on carbon capture has determined that removal of CO₂ directly from air as Global Thermostat does is now needed on a massive scale in order to avert catastrophic risks from climate change. The groundbreaking legislation of the FUTURE Act (45Q) and the important current bill together with technologies like Global Thermostat place the United States at the leadership of world efforts to reverse climate change and does so while favoring economic growth, creating jobs and expanding US exports to the entire world economy.

About 30,000 Global Thermostat plants suffice to remove all the CO₂ that humans emit every year. We will be able to build these plants in every state of the US leveraging the resources of every state, industry, university and the Federal Government and build on these efforts to develop cost-effective carbon capture utilization and storage (“CCUS”) and DAC. Your bill can help prioritize resources to build projects and clean the atmosphere while enhancing economic growth.

I understand that in addition to technical and financial assistance to support research, your legislation would establish interagency guidance and a task force to facilitate cost-effective CCUS infrastructure and DAC. Global Thermostat supports these provisions given the new infrastructure that will need to be developed on a considerable scale to deploy DAC technology.

The USEIT Act is important legislation to advance the development of CCUS and in particular DAC technology which is necessary for resolving the climate change problem. Global Thermostat again thanks you for your efforts to support commonsense solutions for electric power generation. We hope that this legislation can receive prompt consideration by the Senate.

Sincerely,

A handwritten signature in cursive script, reading "Graciela Chichilnisky".

Dr. Graciela Chichilnisky
CEO & Co-Founder
Professor of Economics and Statistics
Columbia University
New York, NY 10025
(c) 646.623.3333