Aircapture Receives Department of Energy DAC Hub Grant Funding

DAC Hub Grant is the latest in a series of notable DOE grants awarded to Aircapture for its on-site, modular DAC technology.

(Berkeley, CA – August 17, 2023) – Aircapture's DAC technology is a recipient of the U.S. Department of Energy's Southeast Direct Air Capture (SEDAC) Hub grant, as an anchor technology in Mobile County, AL led by Southern States Energy Board (SSEB).

Aircapture supplies commercial and industrial customers with clean CO_2 captured from the atmosphere and point-source emissions. Their modular direct air capture (DAC) technology allows for the direct, on-site application into customers' production processes, which both meets the industrial market's needs while tackling the pressing challenges of carbon sequestration.

Aircapture's DAC technology will be funded as part of the front-end engineering and design (FEED) for a facility to reduce CO_2 levels in the atmosphere by capturing and sequestering a minimum of 50,000 tonnes per year of CO_2 from the air in Phase 1 of development, and over 500,000 tonnes in Phase 2. The SEDAC Hub is one of five Topic Area 2 projects chosen by the federal government to receive funding in order to conduct design engineering to establish a regional DAC Hub. The Hub will be located in Mobile County, AL and in addition to abating local emissions, it will help create a carbon reduction ecosystem that generates well-paying, skilled jobs in the Gulf South region while reducing global atmospheric CO_2.

"Aircapture is proud to be a part of the SEDAC Hub. We are confident that the work we do with our esteemed partners will make huge strides in creating and scaling a circular carbon economy," said Matthew Atwood, founder and CEO of Aircapture. "Our modular, scalable DAC technology uniquely positions us to serve both the merchant CO_2 in the immediate term and large-scale sequestration markets over time."

"We are delighted to introduce the SEDAC Hub, which capitalizes on longstanding investments in the region, and stands as a testament to our resolute dedication to innovation and sustainable progress," said SSEB's Principal Scientist and Strategic Partnership Lead Dr. Ben Wernette. "With help from our world-class partners, we intend to place the Gulf on the vanguard of the nation's decarbonized economy."

"The DOE funding awarded to Aircapture's DAC technology for research and technology deployment brings Mobile the opportunity to be recognized as a global leader in industrial decarbonization efforts," said Bradley Byrne, president and CEO of the Mobile Chamber. "The Mobile Chamber is actively involved in helping our local industries meet sustainability goals and remain competitive in the era of energy transition, and we see enormous benefit for the region with this collaboration. Congratulations to the SEDAC Hub on this achievement and for its role in fostering innovation that advances our economy and quality of life."

"The University of South Alabama is thrilled to be a part of this important project that will benefit not only our region, but the world," USA President Jo Bonner said. "We look forward to developing the

curriculum and workforce plan that will prepare our students for rewarding careers in this exciting technology."

Congressman Jerry Carl also commented, "I am thrilled the Department of Energy has chosen to award Mobile with the opportunity to be a leader in decarbonization efforts as we continue moving toward innovative energy solutions for the future. It's so important we continue developing sustainable energy, as part of an all of the above approach to energy, right here in the United States so we can rely on our own resources that will bring us to energy independence, and I'm confident this project will play a huge role in meeting these goals. Congratulations to the SECDAB Hub on this award!"

The SEDAC Hub grant is the latest in a series of five grants the DOE has awarded Aircapture to advance its innovative DAC solutions that remove CO_2 directly from the atmosphere. Additional awards include:

- $528K grant supporting Aircapture's partnership with Corning and Hyundai Innovation North America to develop a novel, scalable, energy-efficient, and low-cost approach of producing carbon-free methanol from atmospheric CO_2.
- $2.5MM grant supporting the first deployment and operational testing of a DAC technology at the National Carbon Capture Center (NCCC) in Wilsonville, Alabama with project partners SSEB and Southern Company, amongst others.
- $2.93MM grant to design and engineer an integrated atmospheric CO_2 capture and conversion plant to produce carbon-neutral formic acid co-located at Nutrien's Kennewick Fertilizer Operations plant in Kennewick, Washington.
- $2.5MM grant for a FEED study to design and engineer a modular DAC system recovering waste heat from Alabama Power's Farley Nuclear Generation Plant for CO_2 sequestration.

About Aircapture
Located in Berkeley, CA, Aircapture supplies commercial and industrial customers with clean CO_2 captured from the atmosphere and point-source emissions. Their modular direct air capture (DAC) technology allows for the direct, on-site application into customers' production processes. Aircapture, founded in 2019, is a growing, dynamic team of engineers, chemists and entrepreneurs passionate about creating and scaling a circular carbon economy.

About the SEDAC Hub
The SEDAC Hub is led by the Southern States Energy Board in coordination with site host Alabama Power Company. The Project Team includes 8 Rivers, Aircapture, Crescent Resource Innovation, ENTECH Strategies, Georgia Tech, Mitternight, RTI International, the University of Alabama, and the University of South Alabama. Stakeholders include Southern Company, Tenaska Sequestration Solutions, and the Mobile Chamber of Commerce, among many others.

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