

Southeast Regional Carbon Sequestration Partnership (SECARB)

A Southern States Energy Board Carbon Management Program
June 15, 2011



In This Issue

RECS 2011

Plant Barry Capture Unit

New Website

SECARB Stakeholders' Briefing

NETL Reports

About Us

Questions

Quick Links

[Southeast Regional Carbon Sequestration Partnership](#)

[Southern States Energy Board](#)

[U.S. Department of Energy](#)

[National Energy Technology Laboratory](#)

[SECARB-Ed](#)

[Research Experience in Carbon Sequestration \(RECS\)](#)

[Southern Company](#)

RECS 2011 Participants Visit SECARB Anthropogenic Test



Participants of Research Experience in Carbon Sequestration (RECS) 2011 toured several components of the SECARB Phase III Anthropogenic Test last Friday. Thirty graduate students and early career professionals, as well as speakers and various stakeholders, visited Plant Barry in Bucks, Alabama, where they received briefings on the U.S. Department of Energy's Regional Carbon Sequestration Partnership Program by Ms. Traci Rodosta of the National Energy Technology Laboratory (NETL); the Citronelle dome geology and modeling plan for the SECARB Anthropogenic Test by Dr. Richard Esposito of Southern Company and Mr. David Riestenberg of Advanced Resources International; and field monitoring techniques and methods and hands-on exercise by Mr. Rod Madsen of Li-COR Biosciences. Participants toured Plant Barry and the newly constructed capture unit that will supply the carbon dioxide (CO₂) for the SECARB project. Southern Company has begun testing the capture unit in preparation for the CCS demonstration that will



begin later this Summer. The group then travelled the Citronelle oil field in Citronelle, Alabama, for an injection and monitoring site tour of the SECARB project.

The intensive 10-day RECS program is led by a world-class faculty of CCS experts from industry, the research community, NGOs, and government. The interactive program combines classroom instruction with group exercises, CCS site visits, and hands-on activities including geologic storage site characterization, CO₂ monitoring, modeling fluid flow in the subsurface, and communications training.

RECS is a collaboration between EnTech Strategies, LLC, SECARB-Ed (a program of the Southern States Energy Board), and Southern Company with sponsorship from the U.S. Department of Energy Office of Fossil Energy and NETL.

Plant Barry is Capturing Carbon Dioxide

On Monday, June 13, Southern Company announced that its capture facility at Plant Barry, a coal fired power plant owned by Alabama Power, is operating and capturing carbon dioxide. Construction of the capture unit began last year and represents the world's largest power plant CCS project to date. The capture unit will supply approximately 150,000 tons of CO₂ per year to the SECARB Phase III Anthropogenic Test, a fully integrated carbon dioxide capture, transportation and storage project. Denbury Resources is constructing a CO₂ pipeline this summer to transport the CO₂ to the storage site at Citronelle for injection into a deep saline formation. The SECARB field team, led by the Electric Power Research Institute with Southern Company and Advanced Resources International, will monitor the injection and storage. Testing will be conducted at the capture unit for several weeks, and the project is scheduled to begin injecting CO₂ by early fall 2011. CO₂ injection will occur for three years, and monitoring activities will be conducted pre-, during, and post-injection.

Read the Southern Company Press Release ["World's Largest Power Plant CCS Project Is Capturing Carbon"](#)

New SECARB Website

The Southern States Energy Board is pleased to announce the launch of the new SECARB website. Visit us at www.secarbon.org to learn more about the successful three-phase program, become a member, access current fact sheets and publications, view recent press releases, and plan for upcoming meetings.

Additional upgrades are underway to recognize the SECARB Research Team and partners. A file sharing hub will be available in the near future as well. Check back often to discover new additions to the site!



SECARB Stakeholders' Briefing Presentations Online

On March 9-10, the Southern States Energy Board hosted the 6th Annual SECARB Stakeholders' Briefing in Atlanta, Georgia. Throughout the two-day meeting, participants received unique reports on SECARB program activities and related topics of importance to the future of commercial-scale CCS technology deployment. More than 100 people participated in the event. Presentations for the two-day session are available online at [SECARB website](#) under "Past Events."

NETL Releases Program Plan & Best Practices Manual

National Energy Technology Laboratory (NETL) has issued two reports that will be of interest to the SECARB Stakeholders. The ***Carbon Sequestration Program: Technology Program Plan*** was released in February 2011. This report summarizes the program's achievements since its inception in 1997. A report entitled ***Risk Analysis and Simulation for Geologic Storage of CO₂*** serves as a best practices manual and offers fundamental aspects and applications of risk analysis and numerical simulations for assessing the safe, secure, and verifiable permanent storage of CO₂ in geologic formations. This report was released in March 2011. Visit the [NETL Reference Bookshelf](#) to download the reports and access additional resources related to CCS.



About Us

The Southern States Energy Board is an interstate compact comprised of governors and state legislators from sixteen southern states, Puerto Rico and the U.S. Virgin Islands. SSEB's mission is to enhance economic development and the quality of life in the South through innovations in energy and environmental policies, programs, and technologies.

SECARB is a regional network of more than 100 stakeholders with a common goal of determining the best approaches for capturing and permanently storing gases that can contribute to global climate change.

SECARB is funded by the U.S. Department of Energy/National Energy Technology Laboratory with cost-sharing by SECARB partners.

Questions

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