

FESC- USF Carbon Sequestration Group

Carbon Capture and Sequestration – Collaborative work with Tampa Electric

Carbon capture and sequestration is part of a \$171 million DOE technology demonstration project at Tampa Electric's Polk Power Station, Florida, taking place over the period of 2011 through 2015.

As part of this major demonstration, FESC-USF faculty and graduate students are studying the effects of injecting 300,000 tons of carbon dioxide into a deep saline zone under central Florida. The well injection zone will extend from a depth of 4300 to 8000 ft below the land surface.

The adjacent figure shows, from left to right, USF PhD students Arlin Briley and Mark Thomas, and USF faculty members Maya Trotz, Mark Stewart, and Jeff Cunningham.

