

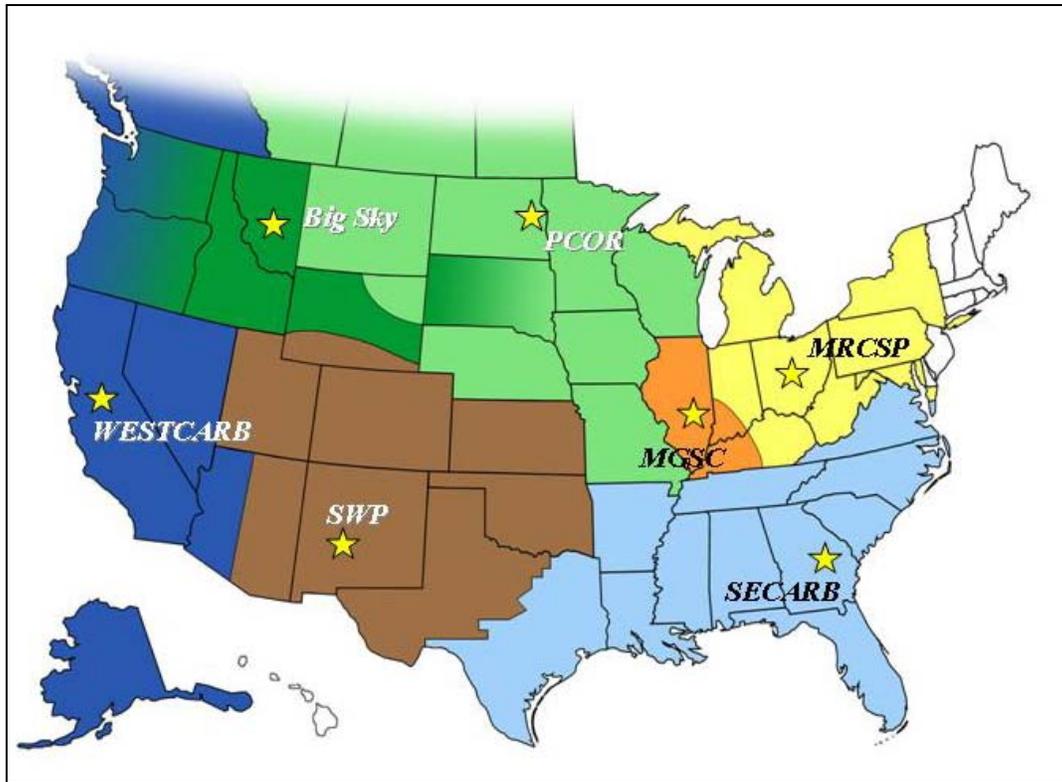
Regional Carbon Sequestration Partnerships



As part of a comprehensive effort to assess options for sustainable energy systems, the U.S. Department of Energy has selected seven Regional Partnerships, through its Regional Carbon Sequestration Partnership (RCSP) Program, to determine the best approaches for capturing and permanently storing carbon dioxide (CO₂), a greenhouse gas which can contribute to global climate change. The RCSPs are made up of state agencies, universities, private companies, national laboratories, and nonprofit organizations that form the core of a nationwide network helping to establish the most suitable technologies, regulations, and infrastructure needs for carbon sequestration. Altogether, the Partnerships include more than 350 organizations, spanning 41 states, two Indian nations, and four Canadian provinces.

The Regional Partnerships' initiative is being implemented in three phases. The Characterization Phase began in September 2003 with the seven Partnerships working to develop the necessary framework to validate and potentially deploy carbon sequestration technologies. In June 2005, work transitioned to the Validation Phase, a four-year effort focused on validating promising CO₂ sequestration opportunities through a series of field tests in the seven regions. Presently, activities in the Deployment Phase (2008-2017) are proceeding as an extension of the work completed to date and will demonstrate that CO₂ capture, transportation, injection, and storage can be achieved safely, permanently, and economically at a large scale. These tests will promote understanding of injectivity, capacity, and storability of CO₂ in the various geologic formations identified by the Partnerships. Results and assessments from these efforts will help in the commercialization efforts for future sequestration projects in North America.

Regional Partnerships




Montana State University
<http://www.bigskyco2.org>



New Mexico Institute of Mining and Technology
<http://www.southwestcarbonpartnership.org>



University of North Dakota, Energy & Environmental Research Center
<http://www.undeerc.org/pcor>



University of Illinois, Illinois State Geological Survey
<http://www.sequestration.org>



California Energy Commission
<http://www.westcarb.org>



Battelle Memorial Institute
<http://www.mrcsp.org>



Southern States Energy Board
<http://www.secarbon.org>