

**Climate Change and Carbon Sequestration Programs in New York**, John P. Martin and Amanda Stevens, New York State Energy Research and Development Authority, Albany, NY, [jpm@nyserda.org](mailto:jpm@nyserda.org)

The New York State Energy Research and Development Authority (NYSERDA) is providing technical support for a number of initiatives that represent the foundation for New York's climate change policy. Foremost to this effort is the Regional Greenhouse Gas Initiative (RGGI). Nine northeastern and Mid-Atlantic states, including New York, comprise RGGI, with the goal of reducing greenhouse gas emissions in the region. Key to this discussion is the possible development of a cap and trade program. A number of models have been developed to provide input into this effort. Under the RGGI framework, carbon sequestration will be an important element. Through NYSERDA and the New York State Museum, New York has recently become a member state of NETL's Midwest Regional Carbon Sequestration Partnership. With the MRCSP, NYSERDA and the museum are characterizing New York's geology with respect to sequestration potential. NYSERDA is also pursuing novel technological solutions such as mineralization, ocean sediment CO<sub>2</sub> storage, using algae to capture CO<sub>2</sub>, and oxyfuel combustion separation technology. Through the New York Advanced Clean Coal Powerplant Initiative, NYSERDA will be involved in a large-scale CO<sub>2</sub> capture and sequestration project.