

**(19) The Use of Real Time Measurement and Artificial Intelligence to Improve Efficiency and Reduce Emissions at Coal-Fired Power Plants**

This two-year effort will seek to develop a technique to measure coal properties in real time, and to process the data such that coal-fired electric utility operators can adjust their operation to avoid slagging and fouling.

Total project cost: \$750,000

Funding request: \$600,000

Project Lead: NYSERDA

Project Participants: Brayton Point Generating State; Energy Research Company; Lehigh University

Start Date: August 1, 2005

End Date: August 1, 2007

Presentations/Publications

None this quarter.

Patents

None.

Progress in Past Quarter and Current Status

Plans for Next Quarter: