



For Immediate Release:
Wednesday, March 10, 2010

Contact: Mark R. Shanahan
614-224-3383

Governor, Shanahan Announce Advanced Energy Award for Greenhouse Gas Control Project at Ohio State

Columbus, OH – A pilot project to demonstrate a method for enhanced capture of carbon dioxide and sulfur dioxide at Ohio’s coal-based power plants, to be conducted by The Ohio State University, received a \$273,107 Ohio Coal Development Office (OCDO) grant that was announced today by Ohio Governor Ted Strickland and Ohio Air Quality Development Authority (OAQDA) Executive Director Mark R. Shanahan, also the governor’s energy advisor.

The award to Ohio State was approved from the \$150 million Ohio Advanced Energy Job Stimulus Plan. An 11-member industrial team is a partner on the project and will provide the remaining funds toward the total project cost of \$546,586. Team members include CONSOL, Shell, Carmeuse, Duke Energy, American Electric Power, First Energy, Littleford, Clearskies Consulting, Siemens, Praxair and F.L. Smith.

“Ohio still generates 87 percent of our electricity from coal, so we must continue to support cutting-edge, clean coal technologies that help us make use of our abundant coal reserves in a way that safeguards the environment,” Strickland said. “Today’s announcement is a targeted investment that will help us do just that.”

The project is an intermediate-phase effort that will build on prior projects funded by OCDO that employ the use of a calcium sorbet to capture CO₂ and SO₂ produced during coal combustion. It will entail building a pilot plant, or “calciner,” at an existing coal-fired boiler. Earlier projects demonstrated CO₂ capture at 90 percent and SO₂ capture of nearly 100 percent.

In September 2010, an anticipated larger project involving the same technology, to be co-funded by the U.S. Department of Energy National Energy Technology Laboratory (DOE-NETL), will begin. The total three-year project is expected to create 10 to 15 new full-time jobs.

-more-

Page two
Governor, Shanahan announce...
March 10, 2010

“This project is of particular importance to Ohio given the distinct possibility of federal regulations down the road to control carbon emissions. We are obligated to do everything we can to ensure that our state is prepared to deal with such regulations. We are taking a significant step toward meeting that goal with approval of this project,” Shanahan said.

Ohio’s Advanced Energy Job Stimulus Program includes \$84 million for non-coal related technology projects and \$66 million for clean coal projects. The program is part of the Ohio Bipartisan Stimulus Plan signed into law by Strickland in June 2008. Currently, 115 projects are in some stage of the application process.

The Ohio Air Quality Development Authority is a non-regulatory government agency created to help Ohio businesses comply with clean air regulations. Through its OCDO program, it oversees the State of Ohio’s coal research, development and technology deployment efforts.