

BATTELLE NEWS RELEASE

Battelle Project to Curtail CO₂ Emissions Wins Endorsement

Carbon Sequestration Leadership Forum recognizes Battelle-led project in Michigan

COLUMBUS, Ohio (Nov. 8, 2013)—The project led by [Battelle](#) and the [Midwest Regional Carbon Sequestration Partnership](#) (MRCSP) to inject one million tons of carbon dioxide into oil and gas fields in Michigan during the next four years is one of five recognized for endorsement by the Carbon Sequestration Leadership Forum. The MRCSP is one of seven Regional Carbon Sequestration Partnerships in the United States established by the U.S. Department of Energy's (DOE's) National Energy Technology Laboratory (NETL). Battelle's MRCSP team is working with Core Energy, LLC, the owner and operator of the oil fields, to conduct geologic characterization and advanced monitoring and to prepare the wells for the injection.

The Forum (CSLF) approved the projects at its fifth Ministerial Meeting in Washington D.C. on Nov. 6. The total number of recognized projects during the 10 years of CSLF's existence totals 40. These projects provide the basis for international information sharing on some of the most important projects throughout the world covering all aspects of carbon capture and sequestration. All are aimed at gathering the knowledge and experience required to initiate widespread carbon capture and to conduct safe, secure geologic storage on the order of thousands of years.

Currently the CSLF portfolio includes pioneering activities to identify potential storage capacities and projects dedicated to matters such as cutting the costs of CO₂ capture technology and developing new methods of combustion; identifying storage capacity and widening the understanding of geologic reservoirs; predicting the behavior of stored carbon in

various kinds of reservoirs; and developing technologies for successful, reliable and long-term monitoring, measurement and verification of stored carbon.

“We are gratified to be part of the CSLF’s portfolio and will continue to work hard to bring value to this important research,” said Battelle Senior Research Leader Neeraj Gupta.

The Midwest Regional Carbon Sequestration Partnership (MRCSP) Development Phase Project is designed to inject one million metric tons of carbon dioxide during a span of roughly four years. This project leverages existing enhanced oil recovery operations to inject CO₂ into a small number of oil fields located within a carbonate pinnacle reef complex in order to assess potential storage capacity, validate geologic and reservoir models, identify cost-effective monitoring techniques, and develop system wide information to further understanding of other similar rock formations throughout the region. The MRCSP is a multi-year research program led by Battelle to identify, test and further develop the most effective approaches to CO₂ utilization and storage in nine states within the Midwest and Northeast. Previous small-scale tests in the region have demonstrated the safety and effectiveness of CO₂ storage, however, more remains to be done to prove viability at a commercial scale.

About Battelle

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle serves the national security, health and life sciences, and energy and environmental industries. For more information, visit www.battelle.org.

Media Contacts

For more information contact Katy Delaney at (614)424-7208 or at delaneyk@battelle.org or contact T.R. Massey at (614) 424-5544 or at masseytr@battelle.org.