

Lignite Research Program- Grant Round 82- Application Summaries

Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
LRC-82-A	ND Integrated Carbon Storage Complex Feasibility Study	Energy & Environmental Research Center (EERC)	24 Months	To evaluate the feasibility of developing a large-scale carbon dioxide (CO ₂) geologic storage complex in central North Dakota. Led by the Energy & Environmental Research Center (EERC), the study will assess two potential storage sites in the Broom Creek Formation near the Great Plains Synfuels Plant and Milton R. Young Station. The project includes drilling characterization wells, collecting geologic data, conducting seismic surveys and modeling, evaluating permitting and regulatory requirements, and engaging stakeholders to determine the technical, economic, and social viability of storing more than 50 million metric tons of CO ₂ . The goal is to support long-term use of North Dakota lignite resources through commercial-scale carbon capture and storage (CCS) development.	\$1,500,000	\$13,857,978