

Lignite Research Program- Grant Round 86- Application Summaries						
Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
LRC-86-A	Continued Funding for Regional Lignite Public Affairs Program Coalition for a Secure Energy Future	Lignite Energy Council	N/A	Through the public affairs program-the Coalition for a Secure Energy Future-the Lignite Energy Council seeks to broaden the support of coal-based electricity in North Dakota and Minnesota. This work will be done by focusing on legislators and other elected officials to increase their awareness of coal-based electricity to family and businesses; meet with like-minded associations and allies to support policies that keep coal-based electricity as a valuable component of the regional energy mix; and use diverse communication channels, such as media visits, chamber events, news release, letters to the editor, paid media and fact sheets to alert interested parties about the Coalition and its activities and be pro-active in getting out messages to promote an “all-of-the-above” energy policy that includes coal-based electricity by focusing on its positive attributes such as affordability and reliability.	\$1,800,000	\$3,600,000
LRC-86-B	To Test, Confirm and Initiate Commercial Design of a Post-Combustions “Bolt-On” CO2 Capture System Suitable for At-Scale, Royalty-Free Retrofit of Existing ND Lignite and Coal Fired Power Generating Facilities	Mattoon Power Enterprises LLC	12 Months	To test, validate, and begin commercial design of a retrofit carbon capture system for existing lignite- and coal-fired power plants, with the goal of reducing CO ₂ emissions through a cost-effective, royalty-free technology suitable for large-scale deployment	\$649,860	\$1,580,800
LRC-86-C	Economical Extraction and Recovery of Rare-Earth and Production of Clean-Added Products from Low-Rank Coal Fly Ash	Energy & Environmental Research Center (EERC)	18 Months	To develop an economically viable process for extracting and concentrating rare earth elements (REEs) from North Dakota lignite fly ash and bottom ash while recovering other valuable minerals, reducing waste, consuming carbon dioxide, and producing value-added byproducts.	\$30,000	\$510,000