

Lignite Research Program- Grant Round 84- Application Summaries

Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
LRC-84-A	Project Carbon	Energy & Environmental Research Center (EERC)	14 Months	To advance commercial-scale carbon capture at North Dakota's lignite-fired power plants by addressing technical and economic barriers, evaluating advanced solvent technologies, reducing emissions, and completing preliminary engineering and design work for post combustion carbon capture at the Milton R. Young Station.	\$3,200,000	\$12,700,000
LRC-84-B	Development of Low-Cost Rare Earth Element Analysis and Sorting Methods	Microbeam Technologies Inc.	2 Years	To develop technologies that enable cost-effective identification, selective mining, and sorting of rare earth element (REE)-rich North Dakota lignite using portable sensors and predictive algorithms, improving the economic recovery of critical minerals from coal and coal byproducts.	\$224,767	\$449,534