

Lignite Research Program- Grant Round 91- Application Summaries						
Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
LRC-91-A	Annual Lignite Energy Council Education Program	Lignite Energy Council	1 Year	To educate teachers and students about North Dakota's lignite industry through the annual Lignite Education Seminar and related outreach programs, providing classroom resources, hands-on learning opportunities, and information on energy production, environmental stewardship, and career opportunities.	\$100,000	\$207,800
LRC-91-B	Preliminary Front-End Engineering and Design (pre-FEED) Study for a Full-scale Carbon Dioxide Capture System at Coal Creek Station (CSS2)	Great River Energy	1 Year	To complete a preliminary front-end engineering and design (pre-FEED) study for a full-scale carbon capture and sequestration system at Coal Creek Station, evaluating the technical, geologic, and economic feasibility of capturing and permanently storing carbon dioxide to support the long-term viability of North Dakota's lignite industry.	\$4,239,000	\$8,478,000
LRC-91-C	Wastewater Recycling Using a Hygroscopic Cooling System	Energy & Environmental Research Center (EERC)	3 Years	To evaluate a hygroscopic cooling technology that recycles power plant wastewater into reusable cooling water, helping lignite-fired power plants achieve zero-liquid-discharge, reduce water use and disposal costs, and improve environmental compliance.	\$100,000	\$820,675
LRC-91-D	PCOR Initiative to Accelerate CCUS Deployment	Energy & Environmental Research Center (EERC)	5 Years	To advance carbon capture, utilization, and storage (CCUS) across the northern Great Plains by addressing regional CO ₂ transportation and storage challenges, supporting infrastructure development, and accelerating commercial deployment of carbon capture technologies.	\$500,000	\$6,254,617