Lignite Research Program- Grant Round 94- Application Summaries						
Application Number	**Application Title**	**Applicant**	**Project Duration**	**Summary of Project**	**Funding Requested**	**Total Project Cost**
LRC-94-B	To Test, Confirm and Initiate Commercial Design of a Post-Combustion "Bolt-On" CO2 Capture System	Mattoon Power Enterprises LLC	12 Months	To demonstrate a modular carbon capture technology for lignite- and coal-fired power plants using potassium carbonate solvent, with the goal of reducing carbon capture costs, improving plant efficiency, and advancing commercial-scale deployment of retrofit carbon capture systems.	$649,860	$1,580,800
LRC-94-C	Lignite-Derived Carbon Materials for Lithium-Ion Battery Anodes	University of North Dakota-Institute for Energy Studies	24 Months	To develop and demonstrate advanced lithium-ion battery anode materials from lignite-derived carbon, creating high-value products that enhance the marketability of North Dakota Lignite and support domestic battery manufacturing.	$75,000	$667,465
LRC-94-D	Annual Lignite Energy Council Education Program	Lignite Energy Council	24 Months	To educate teachers and students about North Dakota's lignite industry through in-person seminars, digital learning tools, and community outreach, expanding awareness of the industry's economic, environmental, and career opportunities.	$200,000	$412,000
LRC-94-E	Electrostatic Filtration of Large Lubricant Reservoirs	University of North Dakota-Institute for Energy Studies	12 Months	To demonstrate an advanced lubricant filtration and real-time oil monitoring system that improves equipment reliability, extends lubricant life, reduces maintenance costs, and enables predictive maintenance at lignite-fired power plants.	$151,494	$350,948