Lignite Research Program- Grant Round 79- Application Summaries						
Application Number	**Application Title**	**Applicant**	**Project Duration**	**Summary of Project**	**Funding Requested**	**Total Project Cost**
LRC-79-A	LP Amina Beneplus Commercial Demonstration Project Feasibility Study	LP Amina- Energy and Environmental	2 Years	To evaluate the commercial feasibility of Amina BenePlus process for capturing carbon dioxide (CO2) from coal-fired power plant emissions. The study will assess the technology's technical performance, economics, and integration requirements to support a future commercial-scale demonstration aimed at reducing CO2 emissions while maintaining efficient power plant operations.	$209,000	$700,000
LRC-79-C	Annual Lignite Energy Council Education Program	Lignite Energy Council	1 Year	To support the Lignite Energy Council's education and outreach program by providing educators with information, training, and classroom resources about North Dakota's Lignite industry, energy production, environmental technologies, and related career opportunities. The program holds an annual four-day education seminar designed to increase awareness of the industry's economic importance and help develop a future energy workforce.	$100,000	$211,000
LRC-79-E	Pathway to Low-Carbon Lignite Utilization	Energy & Environmental Research Center (EERC)	12 Months	To advance development of a lignite-fueled Allam Cycle power generation system that uses supercritical CO2 technology to improve efficiency, reduce emissions,	$1,480,000	$3,180,000

				and create marketable CO2 products. The work focuses on addressing key technical challenges, including corrosion control, gasifier selection, impurity management and combustor design to support future commercial deployment of advanced lignite-based power generation.		
LRD-79-F	Continued Funding for Regional Lignite Energy Marketing Program	Lignite Energy Council	N/A	To improve and maintain the overall public perception of coal-based electricity and promote its use as a low-cost, efficient and environmentally compatible energy source to ensure the continued utilization and growth of coal-based electrical energy in North Dakota and the region.	$1,800,000	$3,600,000