

Lignite Research Program- Grant Round 97- Application Summaries						
Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
LRC-97-A	Production of Germanium and Gallium Concentrates for Industrial Processes	Microbeam Technologies, Inc.	9 Months	To evaluate the technical and economic feasibility of producing high-purity germanium and gallium from North Dakota lignite-derived rare earth concentrates by developing process flow diagrams and assessing commercial-scale recovery pathways.	\$20,000	\$189,943
LRC-97-B	ND Lignite Coal-Based Pitch for Production of High Value Carbon Products via AmeriCarbon Liquid Carbon Pitch (LCP) Process	AmeriCarbon	18 Months	To demonstrate the economically viable conversion of North Dakota lignite into tailored coal-derived pitch for advanced carbon products, strengthening the domestic supply chain for high-value carbon materials and reducing reliance on imported feedstocks.	\$550,000	\$1,209,794
LRC-97-C	Development of Novel Sintered Coal Building Materials	Microbeam Technologies, Inc.	12 Months	To develop carbon-based building materials from North Dakota lignite for use in prototype building construction, creating high-value products that expand coal markets and demonstrate the technical and economic feasibility of coal-derived construction materials.	\$62,500	\$649,407