

Oil & Gas Research Program- Grant Round 45- Application Summaries						
Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
G-45-A	Conceptual Design for Chlor-Alkali and Valuable Materials Production from Oilfield Brine	Barr Engineering Co.	12 Months	This project will develop a conceptual design for a facility that converts oilfield produced water into valuable products, including hydrochloric acid, caustic soda, distilled water, and concentrated minerals such as lithium, with the goal of reducing wastewater disposal, lowering chemical import costs, and supporting new manufacturing opportunities in North Dakota.	\$110,000	\$220,000
G-45-C	Unitized Legacy Oil Fields Prototypes for Revitalizing Conventional Oil Fields in ND	Eagle Energy Partners I, LLC (EEPI)	36 Months	This project will evaluate and optimize waterflooding and develop strategies for future CO ₂ enhanced oil recovery (EOR) in North Dakota's legacy conventional oil fields. The research will produce a prototype development plan and guidance to help revitalize similar fields, increase oil recovery, and extend field life.	\$3,000,000	\$6,000,000
G-45-H	Solar Powered Electrokinetic Soil Desalinization	Terran Corporation/Oasis Petroleum	2-3 Years	This project will demonstrate a solar-powered electrokinetic soil desalination system to remove salt contamination from brine-impacted soils and groundwater. The technology aims to provide a less disruptive and more cost-effective alternative to excavation by extracting chloride and sodium from contaminated sites, particularly in remote areas without access to grid power.	\$149,960	\$346,120
G-45-I	UND Petroleum Engineering State of the Program Presentation and Request	Department of Petroleum Engineering, UND	N/A	Provide funding support for Petroleum Engineering Research at the University of North Dakota's College of Engineering and Mines through work on practical research topics in line with the needs of the industry in North Dakota.	\$613,200	\$1,226,400