

Oil & Gas Research Program- Grant Round 51- Application Summaries						
Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
G-51-B	NCIC Funding to Support Research of Petroleum Engineering Program at UND	Vamegh Rasouli	3 Years	This project supports the University of North Dakota's Petroleum Engineering graduate program by funding Ph.D. research, strengthening faculty resources, and expanding laboratory capabilities to address North Dakota energy industry challenges and advance workforce development.	\$3,728,000	\$7,317,150
G-51-E	Expansion of the Intelligent Pipeline Integrity Program (iPIPE)	iPipe Executive Committee	42 Months	This project advances emerging technologies to prevent and detect pipeline leaks through field demonstrations on active pipelines. The goal is to improve pipeline integrity, reduce spills, and accelerate commercialization and industry adoption of innovative leak detection technologies in North Dakota.	\$1,000,000	\$5,437,297
G-51-G	Bakken Production Optimization Program 3.0	Energy & environmental Research Center (EERC)	3 Years	This project extends the Bakken Production Optimization Program to improve oil production, reduce environmental impacts, and support the responsible development of North Dakota's Bakken resources through collaborative research with industry and government partners.	\$6,000,000	\$12,000,000
G-51-H	Development of Operational Aerial Analytics for Remotely Measuring Reclamation Success in ND	SolSpec, Inc.	16 Months	This project develops and validates automated aerial imaging and analytics to improve site reclamation inspections in North Dakota. The goal is to provide a cost-effective, scalable remote assessment tool that enhances regulatory compliance, inspection	\$163,200	\$330,800

				efficiency, and decision-making for industry and state agencies.		
G-51-I	Produced Water Management Through Geologic Homogenization, Conditioning, and Reuse	Energy & Environmental Research Center (EERC)	2 Years	This project evaluates the feasibility of using the Inyan Kara Formation to treat and recycle produced water through natural subsurface processes. The study assesses the technical, economic, and regulatory viability of this approach to improve water management and reduce disposal challenges in North Dakota.	\$300,000	\$1,299,993