

Grant #	Application Title	Applicant	Application Description	Funding Requested	Total Project Costs	Category	Comments	Value Added New Technology - Research Based	Technical Evaluation	Flaring Reduction	Partner
G-25-03	TIG Grant Application	Talent Inspection Group	<i>The introduction and use of advanced sensor equipment into the oil and natural gas marketplace. Through this process Unmanned Aerial System (UAS) technology will be introduced as a means to collect data on the pipelines. TIG aims to deliver a solution deploying innovative sensor technology to detect leaks and anomalies in pipelines.</i>	\$975,000	\$2,275,000	Research	Missing Industry Partner				
G-26-01	Oilfield Soil Recycling Study	Wenck Associates	<i>Develop treatment options for the soil, develop a business model for beneficial reuse and then design and build a processing facility in order to reuse soil currently sent to special waste landfills. Wenck's goal is to use the analytical data collected to design an appropriate processing facility and complete construction in Billings County, North Dakota. The processing facility will greatly increase the waste management and resource utilization in the oil and gas industry</i>	\$69,998	\$123,996	Research	Encouraged to facilitate partnerships and may resubmit				
G-26-02	Recycling Station	Wenck Associates ND Recycling Services	<i>Construct a recycling station for oilfield waste products</i>	\$1,000,000	\$2,175,000	Research	Did not pass T.A.; Does not fit criteria				
G-27-05	Mobile Training Trailer	Wenck Associates	<i>The project will purchase equipment and staff a mobile training trailer that includes the elements required for effective and comprehensive safety education</i>	\$82,700	\$170,150	Education	Did not pass T.R.				
G-29-01	Wellhead Capture of NGL's from Stranded Gas	Devlar Energy Marketing	<i>The objective of the "Wellhead Capture of Natural Gas Liquids (NGLs) from Stranded Gas" project is to evaluate the financial and logistical feasibility of removing NGL's from stranded gas streams produced by crude oil wells in North Dakota, as well as to determine and quantify the reduction of air pollutants resulting from the implementation of such a project.</i>	\$913,780	\$3,509,480	Research	Scored well by Technical Reviewer's; Did not pass Management Committee; Missing Industry Partner/Site Location; Question as to whether it's new technology; Funding not available at the time	*	*		-
G-29-02	Flare Gas Capture for Frac Water and Power Generation	Flare Gas Solutions	<i>The objective is to capitalize off of proving it is commercially viable to help reduce flaring by transforming the otherwise wasted natural gas into the heat source for frac water to allow the operation of on-board electric generation for on site use.</i>	\$440,000	\$2,200,000	Research	Missing Industry Partner; Did not pass Technical Review	*		-	-
G-29-03	Center for Gas Utilization	University of North Dakota Institute for Energy Studies	<i>In order to utilize flared gas and reduce emissions, the University of North Dakota, through the Institute for Energy Studies' Center for Gas Utilization, proposes to identify, design, construct, test, and deploy small scale modular equipment to convert natural gas to methanol and electricity. This work will be conducted through a strategic alliance between UND's Institute for Energy Studies and Blaise Energy.</i>	\$700,000	\$3,000,000	Research	Did not pass T.R.	*			

G-29-04	Optical Catalytic Reaction of Methane to Propane	GTL Systems, Inc.	<i>The objective of this project is to design and construct a working bench top system that will convert a stream of methane gas to propane. The work will center on engineering and remaining scientific studies to build a prototype that could be deployed into the field for on-site conversion of stranded gas asset.</i>	\$423,701	\$847,402	Research	Missing Industry Partner; Did not pass T.R.	*				*	
G-30-01	Reduction of Flares and Capture of Natural Gas Liquids with Vortex Tools	Bakken Western Services	<i>Proposing to use existing equipment at the wellhead to enhance recovery of NGL's with the use of Vortex tools.</i>	\$390,000	\$790,000	Research	Missing Industry Partner; Did not pass T.R.	*					-
G-30-03	Bakken Flare Gas Capture, Separation, Utilization POD	Fusion Automation Inc.	<i>The objective of this project is that Fusion Automation of Grand Forks,ND would design, build, and test a prototype Portable On Demand Electric Generation and Gas Separation. A POD is a small unit for electricity generation and natural gas liquids purification and separation at a wellhead.</i>	\$963,873	\$1,969,334	Research	Missing Industry Partner; Did not pass T.R.	*					-
G-30-04	Compressed Natural Gas Fueling Station Infrastructure	Chesapeake Energy	<i>Three different refueling stations in the targeted cities of Dickinson, Watford City, and Williston, will be equipped with CNG in a box technology making it possible for the public to fill their CNG tanks at the local station.</i>	\$1,500,000	\$3,000,000	Research	Missing Industry Partner; Did not pass T.A.; Lack of Funding Available; Application missing detailed plan	*					*
G-31-02	Effects of Oil and Gas Development on Breeding Duck Settling and Production in the Prairie Pothole Region of North	Ducks Unlimited	<i>duck populations in North Dakota. Specifically determining if the density of breeding pairs of adult ducks is affected by disturbance caused by oil and gas development and potential mitigation strategies.</i>	\$481,875	\$1,029,750	Research	Does not fit into mission criteria; Does not have an industry partner.						
G-30-04	Amended Natural Gas to Ammonia Application	N-Flex/Beowulf Energy	<i>This project will use the N-Flex production process to capture and convert previously flared stranded gas into a truly valuable asset - anhydrous ammonia - providing fertilizer for farmers in North Dakota and beyond.</i>	\$1,100,000	\$4,000,000	Research	Does not have industry Partner; Amended original application, to be submitted into the next grant round.	*	*			-	
G-31-03	LNG Plant	North Dakota LNG, LLC	<i>Pursuing the development and construction of a Liquid Natural Gas production facility capable of producing 10,000 gallons per day. The facility will utilize equipment previously used for production on a 12 month project for Shell at a site in New Mexico. The equipment is now available at a reduced cost.</i>	\$2,900,000	\$5,900,000	Research	Purchasing Equipment; Did not pass T.A.; Do not have Funding	*					-
<i>Totals:</i>				\$11,940,927	\$30,990,112								