Clean Sustainable Energy Authority- Grant Round 1- Application Summaries						
Application Number	**Application Title**	**Applicant**	**Project Duration**	**Summary of Project**	**Funding Requested**	**Total Project Cost**
C-1-A	Dakota H2 Hub	Bakken Energy LLC	2021-2027	To develop a regional clean hydrogen hub in North Dakota.	Grant: $10 Million Loan: $100 Million	$1.75 Billion
C-1-C	Cerilon GTL	Cerilon GTL ND Inc. GTL Project ("Cerilon GTL)	5 Years	To take clean natural gas, converting it through an ESG compliant Gas to Liquids (GTL) process into clean, environmentally friendly, and value adding products.	Grant: $10 Million Loan: $50 Million	$2.8 Billion
C-1-E	Vapor Recovery Units to Capture Fugitive Gas Emissions from Oil & Gas Locations	Marathon Oil Company	11/01/21 with 6 Year Usable Life Expectancy	To purchase a fleet of 32 Vapor Recovery Unit's (VRU's) that will be installed on Marathon Oil Company operated oil and gas production facilities.	Grant: $3.2 Million Loan: $0	$6.4 Million
C-1-G	Unlocking the Full Potential of Produced Water as a Key Component of Clean Sustainable Energy	Steve Kemp	5-8 Months	Execute the final phase of front-end engineering (FEL-3) and design to recover valuable resources with commercial value from a waste stream from the Bakken oil fields; Confirm produced water feedstock process through pilot testing with subject-matter experts to optimize high quality of recovered salt to meet stringent demands in chlor-alkali production; and Utilizing output of FEL-3 and produced water analysis, completed validation or lithium extraction process with Prairie Lithium to be officially included in scope (FEL-1).	Grant: $1.1 Million Loan: $0	$2.2 Million
C-1-H	Commercial Deployment of Carbon Dioxide Capture & Geological Sequestration in McLean County	Midwest AgEnergy Group	18 Months	To bring a CO2 sequestration project into commercial operations in central North Dakota.	Grant: $5.2 Million Loan: $0	$58,782,260

C-1-I	Front-End Engineering & Design for CO2 Capture at Coal Creek Station	Energy & Environmental Research Center	18 Months (January 1, 2022-June 30, 2023)	To complete a FEED (front-end engineering and design) study on the addition of a full-scale post-combustion CO2 capture system (CCS) that will capture 95% of CO2 emissions at the 1100-Mwe Coal Creek Station, located between Washburn and Underwood, North Dakota.	Grant: $7,532,600 Loan: $0	$15,065,200
C-1-J	Solving ND Flaring Mobile Flare Gas Capture & Fueling Platform Expansion	Valence Natural Gas Solutions	November 2021-December 2022	An expansion of the proprietary Gas Capture ("FGC") and natural gas fueling platform in North Dakota, with the objective of providing a commercial platform, enabling producers and the State to further achieve their goals of increasing the total volume of gas captured.	Grant: $2.5 Million Loan: $15 Million	$44 Million