

Clean Sustainable Energy Authority- Grant Round 2- Application Summaries

Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
C-2-A	Flare Mitigation- Elimination through Wellsite Energy Recovery and Advanced Computing	Digital Stream Energy, Inc.	2 Years	To expand the well site elimination/mitigation operations with the addition of the <i>patent pending</i> Vulcan solution to enable North Dakota energy producers to eliminate flare gas available on a wellsite.	Grant: \$0 Loan: \$15 Million	\$58 Million
C-2-B	Hydroil McKenzie 1 Slurry Fracture Injection TENORM Disposal Facility	Hyroil Solutions LLC	A 7-month construction period & 15–20- year operational life	To provide a service to the oil and gas industry currently absent in the Bakken oil field. Using slurry fracture injection (SFI) technology, Hydroil Solutions will offer an in-state, environmentally responsible option for permanent disposal of oilfield waste.	Grant: \$2.5 Million Loan: \$0	\$13,852,914
C-2-C	SAFuels X	AIC Energy Corp	2 Years	To design, construct and operate a renewable fuels refinery.	Grant: \$10 Million Loan: \$25 Million	\$357 Million
C-2-D	Commercial Deployment of Carbon Dioxide Capture & Geological Sequestration in McLean County	Carbon America Developments, LLC and Midwest AgEnergy Group	18 Months	To bring Co2 capture and sequestration project into commercial operations in central North Dakota.	Grant: \$0 Loan: \$34, 467,061	\$68,934,121
C-2-E	Internal Combustion Engine Carbon Capture and Sequestration	Enerplus Resources (USA) Corporation	38 Months	To implement a fieldwide carbon capture and sequestration project ("Enerplus CCS Hub") that will reduce the Greenhouse Gas emissions from its operations.	Grant: \$9,055,000 Loan: \$0	\$18,110,000

C-2-F	Accelerating the Waste-to-Energy Commercialization Pathway for the Sandwich Gasifier	Dakota Green Power	30 Months	To streamline manufacturing of Singularity Energy Technology's (SET) patented Sandwich gasifier as its core business and accelerate the commercialization pathway for drop-in liquid fuels, electricity, and hydrogen production from biomass and waste materials.	Grant: \$5,371,457 Loan: \$0	\$10,985,489
C-2-G	Green Hydrogen Generation and Storage System	BWE Innovations LLC	36 Months	To validate the scope of BWR Innovations' PowerHouse clean energy systems to provide electricity used in multiple agricultural applications, or oil field applications at near zero variable cost. The units will potentially replace conventional standby generators by creating hydrogen as a portable energy source in a cost effective, environmentally sound and economically viable method.	Grant: \$5,76,000 Loan: \$0	\$16,400,000
C-2-I	Project Tundra	Minnkota Power Cooperative	Construction- 4 Years & Operations- 20 Years	To demonstrate post carbon capture (PCCC) and storage in North Dakota, preserving the use of lignite and the associated jobs, ensuring enough reliable and dispatchable power is on the grid and moving North Dakota closer to its carbon neutral goal.	Grant: \$0 Loan: \$150 Million	\$1.45 Billion