

Clean Sustainable Energy Authority- Grant Round 6- Application Summaries

| Application Number | Application Title | Applicant | Project Duration | Summary of Project | Funding Requested | Total Project Cost |
|--------------------|--|--|---------------------|---|-----------------------------------|---------------------|
| C-6-A | Hybrid Service Rig | Foremost Well Service | 3 Years | To undertake the first hybrid-electric retrofit of a Kremco 600 rig in North Dakota. This project will displace appx. 30,000 gallons of diesel fuel per rig per year, avoiding more than 340 metric tons of CO2 emissions annually. | Grant: \$1.5 Million Loan: \$0 | \$3 Million |
| C-6-B | Lithium for Clean Energy Delivery: Demonstration from Produced Water | Sustainable Project Groups Inc. - SPGX | 35 Months | To construct a demonstration plant to advance SPGX's proprietary lithium extraction process from produced water, supporting the growth of clean energy production through domestic critical mineral supply. Key project objectives include preparing the site, procuring necessary equipment/materials, ensuring the facility meets design specifications/safety standards, and establishing a baseline for data for future optimization and efficiency validation. | Grant: \$9,523,919 Loan: \$0 | \$19,047,839 |
| C-6-C | ND Lithium-Ion Battery Manufacturing Plant | <i>Confidential</i> | <i>Confidential</i> | <i>Confidential</i> | <i>Confidential</i> | <i>Confidential</i> |

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| C-6-E | The Forge Project: Rare Earth and Critical Materials Integration | Ore Spring Materials, LLC | 2 Years | To demonstrate and advance the integration of AmeriCarbon's Eco-Pitch carbon manufacturing process with rare earth elements (REE) and critical mineral (CM) recovery technologies developed by the University of North Dakota (UND) and Mictobeam Technologies Inc. (Microbeam). The project aims to establish a scalable, co-located platform in North Dakota that converts lignite derived and related feedstocks into engineered carbon materials while simultaneously recovering REEs germanium (Ge), gallium (Ga) and other critical minerals from process by-products. | Grant: \$2,250,000 Loan: \$0 | \$4.5 Million |
| C-6-F | Northern Plains Nitrogen | Northern Plains Nitrogen, Inc | 3 Years- Construction- Indefinite operation thereafter | To construct, commission and operate a world scale nitrogen-based fertilizer plant located west of Grand Forks in North Dakota. The plant will serve farmers in the Upper Midwest and the entire Northern Plains of the USA and portions of Canada. | Grant: \$20 Million Loan: \$0 | \$2.2 Billion |
| C-6-H | AirPlant Two: Flagship Synthetic Aviation Fuel Facility | Twelve Benefit Corporation | 2 Years | To deploy a commercial-scale AirPlant facility in eastern North Dakota, co-located with industrial CO2 source, enabling utilization of waste CO2 to produce sustainable fuels and chemicals. Funds would support the pre-front-end engineering and design (pre-FEED) and FEED stages of the plant. | Grant: \$10 Million Loan: \$0 | \$152 Million |