



ON THE GRID

PROJECT: CLEAN ENERGY FUELS CORP. HAS ANNOUNCED THE SUCCESSFUL COMPLETION AND OPERATIONAL LAUNCH OF ITS LATEST RENEWABLE NATURAL GAS (RNG) PRODUCTION FACILITY AT TRI-CROSS DAIRY IN VIBORG, SOUTH DAKOTA.

SIZE: The new RNG facility sits on a 5,000-cow dairy farm and is forecasted to produce one million gallons annually of negative carbon-intensity RNG.

BACKGROUND: The project is said to represent a significant milestone in Clean Energy's ongoing leadership in providing clean fuel for the transportation market at the company's network of fueling stations across North America. The construction costs of the RNG production facility, which includes the build of digesters and processing plant, totaled \$34 million and was completed in December 2023. The injecting of pipeline quality RNG began shortly after completion. Clean Energy is in the process of filing the necessary applications to generate federal and state environmental credits.

BENEFITS: Clean Energy anticipates 2024 will be a pivotal year in the demand for RNG fuel in the transportation market with the introduction of Cummins' X15N natural gas engine for heavy-duty trucks. Clean Energy says its fueling infrastructure is expanding to meet that demand, and it will need a constant source of additional low-carbon RNG to supply those stations. The new production facilities at Tri-Cross Dairy and the other farms in the Midwest that are now producing RNG are a critical component to the company's strategy. Agriculture accounts for nearly 10 percent of U.S. greenhouse gas (GHG) emissions, according to the U.S. Environmental Protection Agency. Capturing methane from farm waste can lower these emissions. RNG is a transportation fuel made entirely from organic waste and drastically reduces GHG emissions by an average of 300 percent versus diesel.

PROJECT: SUMMIT RIDGE ENERGY RECENTLY HELD A CEREMONY IN ROSEDALE, MARYLAND TO CELEBRATE THE CONSTRUCTION OF SIX ROOFTOP COMMUNITY SOLAR PROJECTS ACROSS FOUR INDUSTRIAL PROPERTIES.

SIZE: Totaling over 17 MW, the six new rooftop-hosted solar projects in Rosedale and Belcamp, Maryland are part of the Maryland Community Solar program, which provides low-cost renewable energy to local residents. Developed and owned by Summit Ridge Energy, these sites will generate over 25 million kWh of electricity annually, the equivalent of powering more than 2,000 homes.

BACKGROUND: The projects are located on the rooftops of industrial assets owned and managed by LBA Logistics. Summit Ridge Energy is said to be a market leader in Maryland's commercial solar industry, with more than 75 megawatts (MW) of rooftop community solar projects across the state.

BENEFITS: Tenants who occupy and work in the LBA Logistics-owned and managed buildings have been invited to enroll in the Maryland Community Solar program, providing direct savings on their energy bills. The projects leverage unused roof space to drive local economic development and extend clean energy cost savings to families and businesses across Maryland, says Summit Ridge Energy. The projects bring tangible benefits to the community, offering affordable, clean electricity to local residents and businesses unable to install solar on their own rooftops.

PROJECT: MEMBERS OF FLORIDA'S TALQUIN ELECTRIC CO-OPERATIVE ARE NOW GETTING COST-EFFECTIVE ENERGY BENEFITS FROM SOLAR ENERGY.

SIZE: The project involves 7 MW of solar energy, enough electricity to power approximately 1,400 homes.

BACKGROUND: Officials from the co-operative, along with Seminole Electric Co-operative, Origis Energy and local community leaders, recently dedicated the three new solar facilities. The projects are Hinson Solar, a 4 MW project, Hilliardville Solar, a 2 MW project, and Bristol Solar, with a capacity rating of 0.63 MW. All three projects were developed, constructed and are owned by Origis Energy. Each will deliver clean energy at competitive rates under Power Purchase Agreements (PPAs) executed between Seminole Electric Cooperative, Talquin's wholesale power provider, and Origis.

BENEFITS: Bringing the three solar projects to fruition will generate enough clean energy to replace fossil fuel-generated electricity for up to 1,400 homes in the region, while ensuring stable rates for members and shielding them from the fluctuations of traditional fuel costs, says Talquin Electric Co-operative, which serves members from its base in Quincy, on the Florida Panhandle. During construction, each plant employed approximately 30 workers with a combined direct local economic benefit of an estimated \$1.6 million. Over the lifetime of the plants, they will generate an additional estimated \$2.2 million in direct economic benefits combined. At each location, native grasses and plants that will provide berries for wildlife were used as part of the vegetative buffer.