

# FORT DRUM, NEW YORK ENERGY RESILIENCE PROJECT

## BIOMASS GENERATION FACILITY PROVIDES 100% OF THE INSTALLATION'S ENERGY REQUIREMENTS

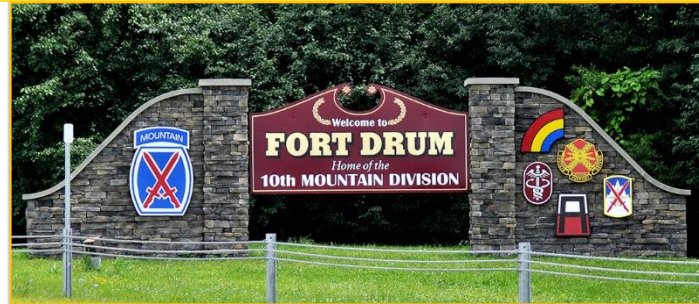
Energy resilience is critical to Army Readiness. The homeland is no longer a sanctuary.<sup>1</sup> The Army is modernizing its installations with energy solutions that are resilient, efficient, and affordable.

In September 2014, the Defense Logistics Agency (DLA) Energy, in coordination with the U.S. Army Office of Energy Initiatives (OEI) and Fort Drum, awarded a contract to ReEnergy Black River LLC, a subsidiary of ReEnergy Holdings LLC. The project includes the provisioning, production, purchase, and delivery of 100 percent of the installation's onsite electricity requirements from a renewable energy Biomass Generation Facility (BGF) via a new transmission system intertie. In the case of a widespread grid disruption or emergency, the BGF can operate independent of the grid for 30+ days utilizing biomass stored onsite. This project provides Fort Drum with secure and reliable access to energy and ensures the mission can continue through power disruptions.

### About Fort Drum

Fort Drum provides full-spectrum training and base operations support to all of the service branches, 11 states, and parts of Canada. Fort Drum provides planning and support for the mobilization and training of more than 30,000 troops annually.

Fort Drum is the home of the 10th Mountain Division (LI), located in northern New York's picturesque North Country. The installation covers about 107,265 acres, or 168 square miles, stretching into two counties. More than 15,000 military service members and about 3,700 civilian personnel (including contractors) work at Fort Drum, with about 15,000 family members living on post or in the local area. In addition, more than 3,000 military retirees reside within the local region.



### Project Details

- This project provides Fort Drum with energy security and energy resilience.
- The contract provides electricity for a 20-year period from a renewable source.
- The project employs 32 full-time employees.
- Fort Drum remains connected to the utility grid, which serves as a reliable and trusted source of power.
- To ensure energy security, the project includes a substation intertie from the onsite BGF to Fort Drum's North and South substations.
- The substation intertie connections enable Fort Drum to maintain mission critical operations in the event of a system-wide outage.
- Intertie connection was completed in fall 2015; the BGF has been operational since summer 2013.
- ReEnergy financed, owns, operates, and maintains the BGF and intertie.
- The amount of renewable electricity the BGF produces is equivalent to the electricity needed to power approximately 11,000 homes per year.



## About Army Office of Energy Initiatives

The Army OEI seeks to assist Army installations in optimizing operations, meeting mission essential requirements, mitigating vulnerabilities, and sustaining critical capabilities during any energy disruption. The Army OEI is aligned under the Assistant Secretary of the Army for Installations, Energy and Environment and the Deputy Assistant Secretary of the Army for Energy and Sustainability. The Army OEI serves as the Army's central program management office for the development, implementation, and oversight of privately financed, large-scale, energy projects focused on enhancing energy resilience, energy security, and sustainability on Army installations. Army OEI collaborates with industry, public utilities, and other stakeholders to implement projects using alternate resourcing strategies that provide energy generation, storage, and control capabilities. These "islandable" capabilities can support critical operations in the event of a grid outage, enabling the Army to achieve the levels of mobility and lethality to maintain its tactical and strategic edge. For more information about Army OEI, visit: [www.oei.army.mil](http://www.oei.army.mil).

## About Defense Logistics Agency Energy

For more than 70 years, Defense Logistics Agency (DLA) Energy has provided the Department of Defense and other government agencies with comprehensive energy solutions in the most effective and efficient manner possible. DLA Energy is a primary-level field activity of the Defense Logistics Agency, and is co-located at Fort Belvoir, Virginia. DLA Energy is one of OEI's acquisition partners supporting large-scale renewable and alternative energy projects.

## About U.S. Army Corps of Engineers

The U.S. Army Corps of Engineers (USACE) has approximately 37,000 dedicated Civilians and Soldiers delivering engineering services to customers in more than 130 countries worldwide. USACE's mission is to deliver vital public and military engineering services; partnering in peace and war to strengthen our Nation's security, energize the economy and reduce risks from disasters, and with a vision of engineering solutions for our Nation's toughest challenges.

## About ReEnergy

ReEnergy Black River LLC, a subsidiary of ReEnergy Holdings LLC, a portfolio company of Riverstone Holdings LLC, owns and operates facilities that use forest-derived woody biomass and other wood waste residues to produce homegrown, renewable energy. It also owns facilities that recycle construction and demolition debris. ReEnergy was formed in 2008 by affiliates of Riverstone Holdings LLC and a senior management/co-investor team comprised of experienced industry professionals. ReEnergy operates in 6 states, employs more than 300 people, and owns and/or operates 9 energy production facilities with the combined capacity to generate 325 megawatts of renewable energy.



The BGF and intertie provide 100% of the garrison's electricity from a renewable source and includes a 30+ day stockpile of fuel on site.

<sup>1</sup>2018 National Defense Strategy

