

# ReGenerate Case Study

## Black River Retrofit & Intertie Construction

ReGenerate's management team acquired an idled 60-MW coal-fired power plant located inside the fence of the Fort Drum U.S. Army installation in northern New York and executed a major project to convert the facility to use biomass as its primary fuel. ReGenerate's management team self-performed the project management of multiple contractors and achieved a safe and on-time restart of the plant within 18 months. The scope of the project included converting the fuel yard to process biomass; installation of a cooling tower to decrease the thermal footprint of the plant; installation of larger ID fans; and numerous upgrades to existing plant equipment such as the boilers, data control system and refurbishment of all plant systems.

ReGenerate's management team hired and trained the plant staff and performed the startup commissioning activities of the plant.

ReGenerate's management team successfully responded to both state and federal RFPs: The facility was awarded a 10-year contract to sell renewable energy certificates to the New York State Research and Development Authority and

was awarded a 20-year renewable energy contract to supply all of the electricity needs of Fort Drum.

The federal contract required ReGenerate's management team to construct an electrical distribution line to directly connect Fort Drum's two electrical substations to the Black River plant. After commissioning, ReGenerate's management team performed the project management and design activities relating to installing a seven-mile 34.5-KV electrical distribution line along with the installation of numerous high voltage transformers, breakers, switches and electrical protection systems.

ReGenerate's management team led the activities relating to working with NYISO and National Grid to amend the plant's interconnection agreement and successfully achieve approval to provide direct power to Fort Drum while also generating wholesale power to the market.

As a result of ReGenerate management team's efforts and continued management, the facility has achieved a 92% annual availability factor and has exceeded five years without a recordable injury or lost-time accident.

Set up a face-to-face meeting to discuss your unique needs, challenges, and next steps.  
Contact James White, Chief Operating Officer, at (207) 246-2252.