

Green Innovation Grant Program

Project Title: Digester Gas Collection, Storage, & Micro Turbine Power Generation

Grant Recipient: Jamestown Board of Public Utility

Location: Erie County, NY

Green Infrastructure Practice: Energy Efficiency

EFC Grant Amount: \$ 2,781,436

Total Project Amount: \$ 3,293,995

GIGP ROUND 1



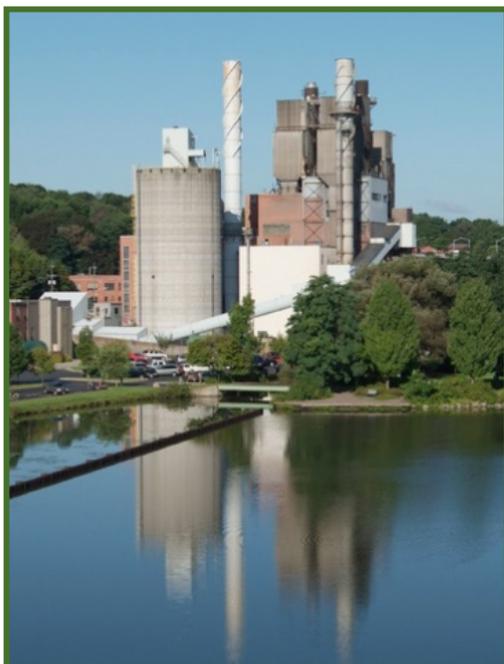
PROJECT COMPLETED 01/2011

Project Description:

This project improved bio-solids processing and digester methane gas capture for the utilization of digester gas for renewable energy. Due to the age and condition of the equipment, the wastewater treatment plant owned and operated by the applicant was no longer able to capture and use methane gas for renewable energy from the sludge digesters at the facility. Upgrades

were made to existing digesters, including replacement of existing gas generators with one, higher efficiency micro-turbine generator.

This project restored the bio-solids process to its intended operating performance and allowed the plant to use the methane gas produced for power generation.



▲ The Jamestown, NY wastewater treatment plant received a grant ▲ to upgrade their facility using green technologies.