

Green Innovation Grant Program

Project Title: Erie County Big Sister Creek Wastewater Treatment Plant Energy

Grant Recipient: Erie County

Location: Erie County, NY

Green Infrastructure Practice: Energy Efficiency

EFC Grant Amount: \$750,000

Total Project Amount: \$1,100,000

GIGP ROUND 2



PROJECT COMPLETED 06/2015

Project Description:

GIGP funding helped install a suite of upgrades to improve energy efficiency and stormwater management at the Big Sister Creek Wastewater Treatment Plant, which is located near the Lake Erie shoreline, south of Buffalo. Improvements to lighting, the plant's aeration system, pump control, and digester aeration blowers were part

of an overall system operation upgrade. The plant also installed a green roof on a new 400 square foot addition to the plant's control room. Total energy savings resulting from this work are estimated to be 12% of the current facility usage, and the project investment has an estimated 8.4-year payback.



◀ Green roof installation underway.

A green roof system is one portion of a large-scale project to improve stormwater management and energy-efficiency at this wastewater treatment plant on Lake Erie. ▶

