

Green Innovation Grant Program

Project Title: Jasper Wastewater Treatment Plant Reed Bed Project

Grant Recipient: Town of Jasper

Location: Steuben County, NY

Green Infrastructure Practice: Bioretention, Energy Efficiency

EFC Grant Amount: \$170,324

Total Project Amount: \$189,262

GIGP ROUND **1**



Project Completed 02/2011

Project Description:

This project involves the installation of reed beds at a municipal wastewater treatment plant as an energy efficient alternative for sludge management. The addition of aeration equipment in the sludge-holding tank will result in higher energy efficiency at the facility.

The Town of Jasper's wastewater treatment plant currently trucks liquid sludge to another facility

for disposal. The Town identified an innovative method of reducing energy usage and saving the installation costs of aeration equipment in the sludge holding tank by constructing a reed bed to de-water and stabilize the sludge. The reed bed design is 80% more energy efficient than standard alternatives for sludge drying and eliminates the need to transport sludge elsewhere.



A reed bed is used as a green treatment mechanism at a wastewater treatment plant in New York's Southern Tier, eliminating the need to truck waste sludge off site.

