



Green Innovation Grant Program (GIGP) No. 212
CWSRF Project No. C3-7327-01-70
Village of Millbrook
Project Name: Millbrook, Wastewater Treatment Plant Energy Upgrade

DEC Region: 3 County: Dutchess

Type of Financing: American Recovery and Reinvestment Act (ARRA) Green Innovation Grant Program

Estimated Total Project Cost: \$218,500.00

Recommended GIGP Award Amount: \$196,650.00

Local Share: \$21,850.00

Other Funding Sources: \$0.00

Project Category: Clean Water SRF. Energy Efficiency.

Project Description:

This project involves installation of fine bubble diffusers to replace coarse bubble diffusers.

Project Summary:

The fine bubble diffuser aeration system will ensure that the Village complies with dissolved oxygen standards, while providing at least a 20% reduction in energy use.

This project is categorically eligible for GIGP financing per the United States Environmental Protection Agency's (EPA's) "Guidance for Award of Recovery Act Funding to State Revolving Funds" dated March 2, 2009:

1. Energy Efficiency. Categorically eligible projects include the use of "improved technologies and practices to reduce the energy consumption of water quality projects including projects to reduce energy consumption or produce clean energy used by a treatment works" (page 43); including the following examples in the Guidance (page 44):

IV. a. Energy efficient retrofits and upgrades to pumps and treatment processes;

Furthermore, installation of new aeration equipment is categorically eligible per both example IV. a. above and the 20% energy efficiency threshold per the "Green Project Reserve Business Case Principles and Questions and Answers" (pp. 4-6, question B.1, 5 and 6) . The equipment chosen for this project will be more than 20% more energy efficient than the alternatives. Therefore, categorically meets EPA's criteria of a 20% net energy reduction/savings.

Funding Summary:

The Village will provide the 10% local match.

SEQR Findings:

The Corporation has determined that the proposed action will finance a project which constitutes a Type 2 SEQR Action pursuant to 6NYCRR Section 617.5(c)(2) replacement, rehabilitation or reconstruction of a structure or facility, in kind on the same site.

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Village of Millbrook Millbrook, Wastewater Treatment Plant Energy Upgrade	July 1, 2010	December 31, 2010