



Green Innovation Grant Program (GIGP) No. 149
CWSRF Project No. C5-5548-10-70
City of Glens Falls
Project Name: WWTP Sludge Disposal Auxiliary Fuel System

DEC Region: 5 County: Warren

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

Estimated Total Project Cost: \$5,573,978.00

Recommended GIGP Award Amount: \$1,334,134.00

Local Share: \$3,498,964.00

Other Funding Sources: \$0.00

Project Category: Clean Water SRF. Environmental Innovation.

Project Description:

The City of Glens Falls proposes to upgrade the wastewater treatment facility to receive, concentrate, store and utilize "yellow grease," or waste grease from commercial kitchens, as an auxiliary fuel in its existing, permitted fluidized bed incinerator for sewage sludge disposal.

Project Summary:

This innovative project will provide an alternative approach to managing yellow waste from commercial kitchens. The project will utilize waste grease as a fuel source, thereby preventing pollution and eliminating potential impacts on water quality, and minimizing disruption to the wastewater treatment facility. As a renewable fuel source, the yellow grease would reduce the City's use of No. 2 fuel oil by approximately 90% (228,000 gallons) per year. At the same time the project will generate revenues from grease disposal, and remove approximately 455,308 gallons of grease from the waste stream.

This project is categorically eligible for GIGP financing in two categories 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. Environmental Innovation. Categorically eligible projects "manage water resources in a more sustainable way, including projects that achieve pollution prevention or pollutant removal with reduced costs and projects that foster adaptation of water protection programs and practices to climate change." The EPA Guidance provides example III. g.: "projects that facilitate adaptation of clean water programs and practices to climate change" (pp. 45-46). The use of yellow grease as a renewable, alternative fuel prevents pollution by (a) using the yellow grease as a fuel resource instead of a waste, (b) removing this difficult to manage material from the wastewater treatment stream, and (c) reducing reliance of a Section 212 facility on fossil fuels and mitigating climate change impacts of that facility.
2. Energy Efficiency. Categorically eligible projects use "improved technologies and practices to reduce the energy consumption of water quality projects ...or produce clean energy used by a treatment works." By using a renewable, alternative biofuel, yellow grease, this project follows the example in IV. c. "producing clean power...on site" (pp. 43-44 of the EPA Guidance).

Funding Summary:

The City will provide at least 10% local match from operating revenues.

SEQR Findings:

The Corporation has determined the proposed action will finance a project which constitutes "...construction or expansion of a primary or accessory/appurtenant, non-residential structure or facility..." which is a "Type II" action under SEQR, pursuant to 6 NYCRR Section 617.5(c)(7).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
City of Glens Falls WWTP Sludge Disposal Auxiliary Fuel System	August 15, 2009	May 1, 2010