



CWSRF Projects C5-5552-01-71 & 01-01
Village of Granville
Washington County
STP Upgrade and Improvements

Type of Financing: Short-Term Interest-Free and American Recovery and Reinvestment Act (ARRA) Funds

Estimated Amount to be Financed: \$1,418,864

EPA Approved Green Project Reserve: \$566,637

Estimated ARRA Principal Forgiveness: \$1,195,214

Estimated Principal of Long-Term Financing: \$223,650

Other Funding Sources: None

Prior CWSRF Recipient: Yes (X) No ()

Hardship Determination: Yes (X) No ()

Project Description:

This action consists of financing costs associated with the planning, design and construction of an upgrade and improvements to the Village of Granville Wastewater Treatment Facility. The scope of this project is defined by engineering reports entitled: "Preliminary Engineer's Report, Wastewater Treatment Plant Phosphorus Study, Village of Granville", dated February 2001, which was approved by the New York State Environmental Facilities Corporation (EFC) on November 27, 2001; by a Facility Plan entitled "Village of Granville Wastewater Treatment Plant Improvements" dated August 2002, Revised March 2003, which was approved by the New York State Department of Environmental Conservation (DEC) on March 21, 2003 and by a Facility Plan Addendum entitled "Village of Granville WWTP Improvements Phase 2" dated February 2007, Revised April 2007, which was approved by EFC on May 22, 2007. This report was supplemented to add Green Project Reserve features by a NYSERDA Report entitled "Village of Granville WWTP Improvements, Energy Efficiency Funding Memorandum", dated August 25, 2009 that was determined eligible by the NYS Environmental Facilities Corporation on December 8, 2009.

Project Summary:

The Village of Granville's wastewater treatment facility (WWTF) was constructed in 1970 and in recent studies was found to be generally in poor physical condition. Structures and process units were deteriorated due to their age and were causing operational problems as well as maintenance and safety concerns which were addressed by the C5-5552-01-00, the first phase of the project. In addition, recent SPDES permit modifications required the Village to upgrade its WWTF in order to reliably meet more stringent limits for discharge to the Mettawee River, which is part of the Lake Champlain watershed. The improvements made under phase 1 were insufficient to reduce phosphorus to the current effluent limits. To ensure the WWTP is capable of meeting its SPDES permit phosphorus effluent limitations, it is necessary to further upgrade the treatment process.

This phase of the project consists of installing new tertiary filters, replacement of the existing wastewater treatment plant outfall, replacement of the grit removal equipment, and other miscellaneous plant modifications and improvements. This work is intended to help this facility reliably meet effluent limitations and improve downstream water quality.

Green Project Reserve (GPR) funding will enable the Village to improve the energy efficiency of the wastewater treatment facility. The Village will install a tertiary cloth media filter system with premium efficiency motors, provide a premium motor on a grit pump, high efficiency lighting, LED exit signs, and other various energy improvements. These proposed improvements have been approved by the U.S. Environmental Protection Agency as eligible GPR infrastructure under the American Recovery and Reinvestment Act of 2009.

Financing Summary:

Total project costs of \$1,418,864 will be funded with a combination of CWSRF short-term interest-free financing, principal forgiveness and a Green Project Reserve grant. The Village plans to convert to CWSRF long-term interest-free financing in 2009.

SEQR Findings:

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

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
General	June 1, 2009 (A)	March 29, 2010 (T)
Electrical	June 1, 2009 (A)	March 29, 2010 (T)