



CWSRF Projects C3-5314-01-70 & 01-00
Town of North Salem
Westchester County
Sewage Treatment Plant and Collection Sewer

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

Estimated Amount to be Financed: \$5,031,704

EPA Approved Green Project Reserve: \$645,913

Estimated ARRA Principal Forgiveness: \$2,838,809

Estimated Principal of Long-Term Financing: \$2,192,896

	(Amount)	(Source & Type)
Other Funding Sources:	\$10,000,000	East of Hudson Water Quality Investment Grant
	\$ 4,609,179	NYC DEP Regulatory Upgrade Program Grant (estimate)

Prior CWSRF Recipient: Yes (X) No ()

Hardship Determination: Yes () No (X)

Project Description:

This action consists of financing costs associated with the design and construction of the Phase I components for the new Peach Lake Sewer District wastewater treatment plant and collection system, as defined in the engineering report, "Peach Lake Map, Plan and Report", dated March 2008, including revisions of July 1 & July 14, 2008, and approved by NYSEFC on July 23, 2008. Plans & Specifications for the Phase I components have been submitted will be approved in the future. The report was further supplemented to add Green Project Reserve features by the engineering report prepared by Malcolm Pirnie, Inc. for the NYS Energy Research and Development Authority titled "Energy Evaluation Memorandum - Peach Lake Environmental Center and Collection System " dated December 2009, that was deemed eligible for CWSRF funding by the NYS Environmental Facilities Corporation on December 18, 2009. Plans & Specifications for the Phase I components were approved on December 28, 2009 on behalf of the NYSDEC by the Westchester County Department of Health and were deemed eligible for CWSRF financing by NYSEFC December 28, 2009.

Project Summary:

The Peach Lake area within the Town of North Salem has experienced problems with individual septic system failures resulting in untreated wastewater entering Peach Lake. Several reports and studies have been performed and indicate that the water quality of Peach Lake has been impacted resulting in high phosphorus levels and eutrophic conditions in the lake. The lake has been classified as an Impaired Water Body by NYSDEC and a Total Maximum Daily Load (TMDL) is being developed to address these issues. Peach Lake flows into the East Branch of the NYC Croton Reservoir System, a drinking water supply for the eight million residents of the City of New York, and is under a separate TMDL for phosphorus.

The Phase I components of the project include the construction of a new tertiary treatment wastewater plant, low pressure sewer mains, a booster pump station, some gravity sewers, and a central pumping station. The construction of this project will result in a reduction of pollutants and phosphorus loadings to Peach Lake, and will ultimately further protect the drinking water quality within the City of New York's Croton Reservoir system.

Green Project Reserve (GPR) funding will enable the Town to include variable frequency drives and high efficiency motors at various pumps and motorized equipment throughout the new Peach Lake Environmental Center wastewater treatment plant. These upgrades will improve the plant's performance and will allow the Town to realize operational cost savings through reduced energy costs.

Financing Summary:

This is a joint project with the Town of Southeast C3-5340-06-00, known as Peach Lake, with combined Phase 1 and Phase 2 project costs totaling \$29,181,127. The Town of North Salem's total Phase 1 project costs of \$19,640,883 will be funded with CWSRF short-term financing, principal forgiveness, a Green Project Reserve grant, an East of Hudson Water Quality Investment Program grant from Westchester County for \$10,000,000 and a NYC DEP WWTP Regulatory Upgrade Program grant for \$4,609,179. The Town plans to convert to SRF long-term financing in 2011. Total Phase 2 project costs of \$2,812,000 will be funded at a later time.

SEQR Findings:

The Corporation has determined that this financing will finance the construction of a project that will not have a significant effect on the environment: (1) the DEC has certified that this project complies with SERP; (2) no potentially large impacts have been identified; and (3) the Town of North Salem, acting as lead agency, has determined that the project will not have a significant effect on the environment.

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Contract No. 1 – Wastewater Treatment Facility	November 15, 2009 (T)	November 15, 2011 (T)
Contract No. 2 – Sanitary Sewers	November 15, 2009 (T)	November 15, 2011 (T)
Contract No. 3 – Sanitary Sewers	November 15, 2009 (T)	November 15, 2011 (T)
Contract No. 4 – Water Meters	November 15, 2009 (T)	November 15, 2010 (T)