



CWSRF Projects C3-5340-06-70 & 06-00
Town of Southeast
Putnam 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: \$1,942,898

EPA Approved Green Project Reserve: \$226,941

Estimated ARRA Principal Forgiveness: \$1,084,920

Estimated Principal of Long-Term Financing: \$857,979

	(Amount)	(Source & Type)
Other Funding Sources:	\$2,500,000	Putnam County East of Hudson Water Quality Investment Program Grant
	\$1,619,442	NYCDEP WWTP Regional 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 and 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 November 10, 2009 on behalf of the NYSDEC by the Putnam County Department of Health and were deemed eligible for CWSRF financing by NYSEFC on 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 North Salem C3-5314-01-00, known as Peach Lake, with combined Phase 1 and Phase 2 project costs totaling \$29,181,127.

The Town of Southeast's total Phase I project costs of \$6,062,340 will be funded with CWSRF short-term interest-free financing, principal forgiveness, a Green Project Reserve grant, a Putnam County East of Hudson Water Quality Investment Program Grant of \$2,500,000, and a NYCDEP WWTP Regional Grant of \$1,619,442. Phase II costs 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)