



CWSRF Projects C3-5315-05-70 & 05-01
City of Middletown
Orange County
Wastewater Treatment Plant Expansion and Upgrade

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

Estimated Amount to be Financed: \$27,832,973

EPA Approved Green Project Reserve: \$4,271,911

Estimated ARRA Principal Forgiveness: \$16,285,868

Estimated Principal of Long-Term Financing: \$11,547,105

Other Funding Sources:	(Amount)	(Source & Type)
	\$3,671,027	Principal Payment Under C3-5315-05-00
	\$ 301,000	Principal Payments on BAN

Prior CWSRF Recipient: Yes (X) No ()

Hardship Determination: Yes () No (X)

Project Description:

This action consists of financing the costs associated with the design and construction of the expansion and upgrade to the City of Middletown wastewater treatment plant. This project is defined in the engineering report submitted by Camp Dresser & McKee, Inc. "The City of Middletown Wastewater Treatment Facility Expansion and Upgrade Design Criteria Report" dated February 2008 and "Supplement to the Report" dated July 2008 and approved by NYSEFC on August 8, 2008. The report was further supplemented to add Green Project Reserve features by the engineering report prepared by Camp Dresser & McKee titled "Energy Evaluation Memorandum - Middletown Wastewater Treatment Facility" dated October 2009 that was approved by the NYS Environmental Facilities Corporation on December 1, 2009. The report was further supplemented to add Green Project Reserve features by the engineering report prepared by Camp Dresser & McKee titled "Energy Evaluation Memorandum - Middletown Wastewater Treatment Facility" dated October 2009 that was approved by the NYS Environmental Facilities Corporation on December 1, 2009. The plans and specifications were approved on November 24, 2008.

Project Summary:

The City of Middletown signed an Order on Consent (#3-20011031-140) with the NYSDEC to eliminate discharge of excessive levels of pollutants to the Walkill River. The expansion and upgrade of the wastewater treatment plant will be done in two phases. This project is for Phase II work, which will address the Order on Consent stipulations related to the expansion from 6.0 to 8.5 MGD and upgrade of the wastewater treatment plant. The facility will contain energy-saving innovative new treatment processes, such as high-efficiency ultraviolet disinfection and biogas-fueled generators. These processes will reduce the City's energy costs and produce cleaner, safer discharges into the Walkill River.

Green Project Reserve (GPR) funding will enable the City to make improvements to their WWTP facility's activated sludge aeration system & gas fired boiler system, upgrade the facility's ultraviolet light disinfection system with high efficiency units, and install variable frequency drives and high efficiency motors at various pumps and motorized equipment throughout the plant. These upgrades will result in improved plant performance and will allow the City to realize operational cost savings through reduced energy costs. 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 \$31,805,000 will be funded with a combination of short-term interest-free financing, principal forgiveness, a Green Project Reserve grant, a Principal Payment Under C3-5315-05-00 for \$3,671,027 and a principal payment on a BAN for \$301,000. The City plans to convert to long-term financing in 2010.

SEQR Findings:

The Corporation, on May 30, 2006, made a SEQR determination (Type I) concerning the City of Middletown's CWSRF Project No. C3-5315-05-00. There has been no change in project scope. Therefore, the Corporation has affirmed the previous SEQR determination. The Corporation has determined that the proposed action will finance a project which constitutes "a particular course of action specifically required to be undertaken pursuant to a judgment or order" which is a "Type II" action under SEQR, pursuant to 6 NYCRR 617.5(c)(29).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Contracts No. 1G, 1H, 1P, 1E	February 20, 2009 (T)	February 20, 2011 (T)