



CWSRF Projects C2-5209-36-70 & 36-00
New York City Municipal Water Finance Authority
Kings County
NYCDEP - Newtown Creek WPCP – Plant Upgrade
Contract No. NC 50A – Sludge Ships

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

Estimated Amount to be Financed: \$84,266,780

EPA Approved Green Project Reserve: \$56,151,187

Estimated ARRA Principal Forgiveness: \$65,498,853

Estimated Principal of Long-Term Financing: \$18,727,927

Other Funding Sources: None

Prior CWSRF Recipient: Yes (X) No ()

Hardship Determination: Yes () No (X)

Project Description:

This action consists of providing short-term financing for the construction costs associated with the construction of three (3) sludge transport vessels for transporting digested sludge from the Newtown Creek WPCP to Wards Island WPCP for dewatering. This Project is defined in the June 2009 Engineering Report entitled “Newtown Creek WPCP Plant Upgrade – Construction of Three 140,000 CU FT Sludge Ship Design” that was made eligible by NYSEFC on July 31, 2009 and in the Plans and Specifications for Contract NC-50A that will be made eligible pending receipt of the final bid set.

Project Summary:

This project is part of Phase 3 of the NYCDEP’s upgrade program for the Newtown Creek Water Pollution Control Plant that serves a large area Manhattan, as well as sections of Brooklyn & Queens, and has an average dry weather flow capacity of 310 MGD.

The Newtown Creek plant is undergoing a complete rebuild to comply with secondary treatment limits, and is expected to be completed in 2013 at a total cost in excess of \$4 Billion. The site constraints on the plant are such that dewatering facilities cannot be installed so digested sludge must be transported to another city WPCP for processing. These new sludge ships will be larger than the existing ships and possess more efficient engines, and an overall energy savings.

Green Project Reserve (GPR) funding will enable the City to provide new sludge boats to serve the Newtown Creek Water Pollution Control Plant to replace existing sludge boats that will be more fuel-efficient. These proposed improvements have been approved by the U.S. Environmental Protection Agency as eligible GPR infrastructure.

Financing Summary:

Total project costs will be funded with CWSRF short-term interest free financing, a Green Project Reserve grant, and upon satisfactory completion will be principally forgiven and any ineligible/unfunded portion will be either converted to CWSRF long-term leveraged financing or repaid. Project costs have not been pre-financed by any other source.

SEQR Findings:

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

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Contract NC-50A	January 1, 2010 (T)	June 14, 2013 (T)