CWSRF Projects C2-5227-13-70 & 13-00
New York City Municipal Water Finance Authority
Kings County
NYCDEP Owls Head WPCP
Contract OH-82 (Replacement of Valve Actuators)

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

Estimated Amount to be Financed: $1,550,000

Estimated ARRA Principal Forgiveness: $1,550,000

Estimated Principal of Long-Term Financing: NA

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 replacement of the electro-hydraulic valve actuators for the main sewage pumps and the electric valve actuators for the process air blowers on the site of the Owls Head WPCP. This Project is defined in the July 16, 2009 Engineering Report entitled "Technical Report: OH-82: Reconstruction of Five Electro-hydraulic Actuators and Sixteen Electric Actuators at the Owls Head Water Pollution Control Plant" as well as the Plans and Specifications for Contract OH-82. The Engineering Report was approved and made eligible by the NYSEFC on August 7, 2009. The Plans and Specifications are approvable pending receipt of the final bid set.

Project Summary:

This project is part of the NYCDEP's rehabilitation program for the Owls Head Water Pollution Control Plant, which serves a large area of western Brooklyn with an average dry weather flow capacity of 120 MGD. The existing centralized hydraulic actuator system for the cone check valves for each of the five main sewage pumps is obsolete and has become unreliable and must be replaced in order to prevent a treatment plant shutdown. Independent and more dependable electro-hydraulic valve actuators will be installed along with sixteen new electric valve actuators for the process air blowers. All sixteen of the existing electric valve actuators for the process air blowers have been in service longer than the expected mechanical life for this type of equipment and should also be replaced.

Financing Summary:

Total project costs will be funded with CWSRF short-term interest-free financing, and upon satisfactory completion will be principally forgiven and any ineligible 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 financing will fund a project which will constitute "maintenance or repair involving no substantial changes in an existing structure or facility", which is a "Type II" action under SEQRA, pursuant to 6 NYCRR Section 617.5(c)(1) and "replacement, rehabilitation or reconstruction of a structure or facility, in kind, on the same site", which is a "Type II" action under SEQRA, pursuant to 6 NYCRR Section 617.5(c)(2).

Construction Schedule:

Description	Construction Start	Construction Completion
Contract OH-82	January 1, 2010 (T)	July 3, 2011 (T)