



CWSRF Projects C2-5236-13-70 & 13-00
New York City Municipal Water Finance Authority
Richmond County
NYCDEP Port Richmond WPCP Contract 113
(Replacement of Boilers, Fuel Storage and Delivery Improvements)

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

Estimated Amount to be Financed: \$27,010,500

EPA Approved Green Project Reserve: \$4,187,146

Estimated ARRA Principal Forgiveness: \$27,010,500

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 two obsolete 900 horsepower (HP) boilers and one 200 HP boiler with three modern 600 HP fire tube boilers on the site of the Port Richmond WPCP. This Project is defined in the June 2009 Engineering Report entitled "Technical Report: PR-113: Reconstruct Boilers at the Port Richmond WPCP, and in the Plans and Specifications for Contract PR-113. The Engineering Reports were approved and made eligible by the NYSEFC on August 28, 2009. The Plans and Specifications are approvable pending receipt of the final bid sets.

Project Summary:

This project is part of the NYCDEP's upgrade and rehabilitation program for the Port Richmond Water Pollution Control Plant that serves the densely populated areas of northern Staten Island with an average dry weather flow capacity of 60 MGD. This project work includes the installation of new natural gas lines and the reconstruction of the sludge digester gas storage and delivery system to provide alternative fuels for the new boilers. In addition, the obsolete 20,000 gallon underground No. 2 fuel oil tank will be replaced with modern 7,000 gallon double wall above ground low sulfur diesel fuel tanks to provide a third alternative fuel for the boilers. Not only will air pollution emissions be reduced with the use of any of the three fuels, but sludge digester gas can once again be used to operate the boilers to conserve energy. A Green House Gas (GHG) reduction of 1,707 metric tons/year as CO₂ equivalent will be realized.

Green Project Reserve (GPR) funding will enable the City to replace and modify their existing boiler system at Port Richmond Water Pollution Control Plant to make it more energy 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 a CWSRF short-term interest-free financing, a Green Project Reserve grant, 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 making of the proposed financing will finance the construction of a project that will not have a significant adverse effect on the environment: (1) DEC has certified that this project is in compliance with the SERP; (2) no potentially large impacts have been identified; and (3) NYCDEP, acting as lead agency, has determined that the project will not have a significant effect on the environment.

Construction Schedule:

Description

Contract PR-113

Construction Start

January 1, 2010 (T)

Construction Completion

December 30, 2012 (T)