



CWSRF Projects C1-5107-04-70 & 04-00
Village of Cedarhurst
Nassau County
Gravity Sewer, Pump Station and Force Main
Diversion from Cedarhurst and Lawrence WPCP's to Nassau County – Bay Park WPCP

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

Estimated Amount to be Financed: \$11,700,305

EPA Approved Green Project Reserve: \$80,385

Estimated ARRA Principal Forgiveness: \$5,890,345

Estimated Principal of Long-Term Financing: \$5,809,960

Other Funding Sources: None

Prior CWSRF Recipient: Yes (X) No ()

Hardship Determination: Yes () No (X)

Project Description:

This action consists of financing costs associated with the planning, design and construction of pump station improvements and force main and gravity sewer installation to convey wastewater from the Village of Cedarhurst Water Pollution Control Plant (CWPCP) and the Village of Lawrence Water Pollution Control Plant (LWPCP) to the Bay Park Sewage Treatment Plant (BPSTP), operated by Nassau County.

This project is defined by the engineering report titled *Consolidation of Sewer Services for the Villages of Lawrence and Cedarhurst Technical Design Report*, dated November 2008, that was approved by NYSDEC on April 3, 2009. The project will be further defined by plans and specifications that are under development and will be approved at a later date.

Project Summary:

The Cedarhurst WPCP was constructed in 1935 and has been upgraded several times. However, the aging facility continues to require improvements, and this plant faces a very expensive upgrade in the near future to meet a more stringent SPDES permit limit for ammonia and total residual chlorine (TRC) upon revision by NYSDEC. The discharge from this plant contributes to water quality impairments in Mott Basin and the eastern end of Jamaica Bay, a part of the *New York-New Jersey Harbor Estuary Plan (HEP) area, and estuary of national significance*. The HEP identifies impairments caused by nitrogen loadings from WWTPs and lists nitrogen reduction as a priority, and this project will eliminate the discharge from the HEP management area.

A new gravity sewer will be constructed to convey the flow from the Cedarhurst WPCP to the Nassau County Inwood pumping station. Improvements are also being made to the Inwood pumping station to accommodate this additional flow, and a parallel force main is being installed along Peninsula Boulevard to convey the additional flow into the Bay Park WPCP collection system for treatment. Once completed, the existing plant will be decommissioned per DEC Regulations. Nassau County, and the Villages of Cedarhurst and Lawrence have signed an Intermunicipal Agreement that sets forth the cost sharing agreement for this project. Based on a September 2007 report by Malcolm Pirnie, Inc, consolidating the Village's wastewater flow with the existing Nassau County Bay Park sewer district will save approximately \$11 Million, when compared on a present worth basis over a 20 years period over upgrading the Cedarhurst WPCP on its own.

Project Summary (continued):

Green Project Reserve (GPR) funding will be used for high efficiency lighting at the Inwood Pump Station and premium efficiency motors and variable frequency drives for pumps at the Inwood and Lawrence pump stations. These proposed improvements have been approved by the U.S. Environmental Protection Agency as eligible GPR infrastructure.

Financing Summary:

This is a joint project with Nassau County C1-5146-27-00 and Lawrence (V) C1-7334-04-00, with combined total project costs of \$25,405,273.

The Village of Cedarhurst's total project costs of \$11,700,305 will be funded with a combination of CWSRF short-term interest-free financing, principal forgiveness and a Green Project Reserve grant. The Village plans to convert to long-term leveraged financing in early 2012.

SEQR Findings:

The Corporation has determined the proposed action will finance a project which constitutes a "replacement, rehabilitation or reconstruction of a structure or facility, in kind" and an "extension of...sewer connections to render service in approved subdivisions..." which are "Type II" actions under SEQR, pursuant to 6 NYCRR 617.5(c)(2) and (11).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Construction	January 1, 2010 (T)	January 1, 2012 (T)