Green Innovation Grant Program (GIGP) No. 118
CWSRF Project No. C4-9206-01-70
Roeliff Jansen Community Library (RJCL)
Project Name: Stormwater Treatment, Green Landscaping & Water Conservation

DEC Region: 4 County: Columbia

Type of Financing: American Recovery and Reinvestment Act (ARRA) Green Innovation Grant Program

Estimated Total Project Cost: $437,823.75

Recommended GIGP Award Amount: $320,000.00

Local Share: $117,823.75

Other Funding Sources: $0.00

Project Category: Clean Water SRF. Green Wet Weather Infrastructure.

Project Description:

This project involves the installation of several green infrastructure methods to mitigate stormwater: a vegetated swale, bioswale, rain garden and porous pavement. Water efficiency components include water efficient fixtures and toilets.

Project Summary:

The Library, a major community center within the County, will incorporate green infrastructure and water saving features as educational examples of green building and sustainable development. The project incorporates green infrastructure methods including: installation of a porous pavement parking lot, a bioswale, an infiltration pond, a vegetated swale, and rain garden to mitigate stormwater impacts. The integration of multiple green infrastructure methods for stormwater will increase infiltration of stormwater and reduce pollutant loading to the Roeliff Jansen Kill which is located within the Hudson River Watershed. The project will also involve installation of three water efficient toilets and sinks, which meet criteria for the certification of the building as green through the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

This project is categorically eligible for GIGP financing in two categories per the United States Environmental Protection Agency's (EPA's) "Guidance for Award of Recovery Act Funding to State Revolving Funds" (pages 43-45) dated March 2, 2009.

1. Green Wet Weather Infrastructure. Categorically eligible projects "manage and treat stormwater and [...] maintain and restore natural hydrology by infiltrating, evapotranspiring, and capturing and using stormwater and include "the preservation and restoration of natural landscape features, such as forests, floodplains and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site and neighborhood specific practices such as bioretention, trees, green roofs, porous pavements, and cisterns."

   Examples in the guidance include: V.c. "Implementation of wet weather management systems for parking areas which include: the incremental cost of porous pavement, bioretention, trees, green roofs, and other practices that mimic natural hydrology and reduce effective imperviousness..." Subsequent correspondence with EPA confirmed that the entire, rather than incremental, cost of pervious pavement including parking areas is eligible for funding. V.d. "Hydromodification to establish or restore riparian buffers, floodplains, wetlands and other natural features." V.f. "Comprehensive retrofit systems designed to keep wet weather out of all types of sewer systems using green infrastructure technologies and approaches."

2. Water Efficiency. Categorically eligible projects include the use of "improved technologies and practices to deliver equal or better services with less water" (page 42). This project meets the EPA criteria, particularly for the following example: V.b. "Retrofit or replacement of water using fixtures, fittings, equipment or appliances."

Funding Summary:

The applicant will supply the 10% local match and the additional funding needed to meet the project budget through existing library funds.

SEQR Findings:

The Corporation has determined that the proposed GIGP grant will finance 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/SEQRA; (2) no potentially large environmental impacts have been identified; and (3) The Town of Copake Planning Board, acting as Lead Agency has issued a negative declaration.

Construction Schedule:

Description	Construction Start	Construction Completion
Roeliff Jansen Community Library (RJCL) Stormwater Treatment, Green Landscaping & Water Conservation	April 1, 2010	June 30, 2010