



Green Innovation Grant Program (GIGP) No. 120
CWSRF Project No. C8-9201-01-70
Chemung County Library District
Project Name: Steele Memorial Green Roof

DEC Region: 8 County: Chemung

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

Estimated Total Project Cost: \$912,808.00

Recommended GIGP Award Amount: \$821,527.00

Local Share: \$91,281.00

Other Funding Sources: \$0.00

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

Project Description:

This project involves installation of a green roof at the Steele Memorial Library in the City of Elmira.

Project Summary:

The installation of a green roof at the Steele Memorial Library will reduce stormwater impacts from this facility within an area impacted by combined sewer overflows (CSO's). The project is located within a Municipal Separate Storm Sewer System (MS4) community covered by an MS4 State Pollution Discharge Elimination System (SPDES) permit. Within this area, the Chemung County Sewer District is actively pursuing means of reducing CSO incidents. In general, green roofs are designed to mimic natural hydrologic functions and decrease the amount of impervious area and stormwater runoff from individual sites. The annual reduction in run-off resulting from the green roof is estimated to be 264,917 gallons of stormwater.

This project is categorically eligible for GIGP financing per the United States Environmental Protection Agency's (EPA's) "Guidance for Award of Recovery Act Funding to State Revolving Funds" 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."

a. Examples in the guidance (pp. 44-45) include:

V.b. "Implementation of water harvesting and reuse programs or projects;" and

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..."

b. EPA guidance issued on June 22, 2009, the "Green Project Reserve Business Case Principles and Questions and Answers" (pages 8-9; questions C 3 and 4) states that "the entire cost for the green [stormwater] roof is eligible including structural changes necessary to support the additional weight of the green roof."

This project is located in Chemung County which is designated as an economically distressed area.

Funding Summary:

The applicant will provide the 10% local match.

SEQR Findings:

The Corporation has determined that the proposed action will finance a project which constitutes the "maintenance or repair involving no substantial changes in an existing structure or facility" which is a "Type II " under SEQR, pursuant to 6 NYCRR Section 617.5 (c)(1).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Chemung County Library District Steele Memorial Green Roof	May 15, 2010	October 15, 2010