



**Green Innovation Grant Program (GIGP) No. 18**  
**CWSRF Project No. C4-5448-07-70**  
**Village of Cooperstown**  
**Project Name: Cooperstown, Village of Wastewater Treatment Facility**  
**Modifications**

**DEC Region: 4 County: Otsego**

---

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

**Estimated Total Project Cost:** \$416,844.00

**Recommended GIGP Award Amount:** \$375,160.00

**Local Share:** \$41,684.00

**Other Funding Sources:** \$0.00

---

**Project Category:** Clean Water SRF. Environmental Innovation.

**Project Description:**

This project will allow the Village's Wastewater Treatment Facility to utilize the previously constructed wetlands as an environmentally innovative method of treating wastewater effluent through the natural processes in the constructed wetland. The design and installation of a force main and installation of new premium high energy efficiency pumps will exceed goals for energy efficiency.

**Project Summary:**

GIGP funding of this project will facilitate completion of the environmentally innovative use of wetlands to polish wastewater effluent in order to reduce the phosphorus and nitrogen load and provide a higher level of water quality for the Susquehanna River and Chesapeake Bay while achieving greater energy efficiency. The use of wetlands for effluent treatment is an innovative alternative to mechanical or chemical methods of reducing nutrient loading.

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" dated March 2, 2009:

- (1) Environmental innovation. Completion of the force main and pump station will facilitate the environmentally innovative use of wetlands to provide tertiary treatment of wastewater effluent to reduce phosphorus and nitrogen loads for the Susquehanna River and Chesapeake Bay. EPA's Guidance provides constructed wetlands as an example of an Environmentally Innovative project (page 46); and
- (2) Energy efficiency. Installation of a premium high efficiency pump station as designed to minimize head and friction loss is categorically eligible per EPA's "Green Project Reserve Business Case Principles and Questions and Answers" (page 4) . The pumps chosen for this project will be more than 90% more efficient than the typical available product, and therefore, categorically meets EPA's criteria of a 20% net energy reduction/savings.

This project is located within Otsego County which is an economically distressed area.

**Funding Summary:**

The applicant requested funds for a larger project that involved alterations to the trickling filter. However, that portion does not meet the criteria for innovation or energy efficiency and is therefore not eligible for GIGP funds. The Village Board of Trustees passed a resolution on October 19, 2009 to approve and provide the 10% local match for the GIGP grant. No co-funding sources have been identified.

**SEQR Findings:**

The Corporation has determined that the proposed GIGP grant will fund a project that will not have a significant adverse effect on the environment: (1) the DEC has certified that this project is in compliance with the SERP; (2) no potentially large environmental impacts have been identified; and (3) Village of Cooperstown, acting as lead agency, has issued a negative declaration.

**Construction Schedule:**

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Village of Cooperstown Cooperstown, Village of Wastewater Treatment Facility Modifications	March 15, 2010	October 31, 2010