

The New York State Environmental Facilities Corporation: GIGP 2010



Green Innovation Grant Program Requirements, Objectives and Application

October 13, 2010



GIGP 2010:

- Background and Overview
- Program Goals
- Grant Types
- Program Requirements
- Application
- Questions and Answers



Green Innovation Grant Program (GIGP)

- Internal Program Review
- US EPA funded Post Program Analysis by Syracuse University Environmental Finance Center
 - Analysis of program data
 - Spatial and demographic analysis
 - Survey of applicants
- Lessons Learned



SU EFC Findings - Lessons Learned

- Need outreach and education to build green capacity/ knowledge
 - Lack of understanding in survey responses as evidenced in GIGP applications
- Need better guidance and clear requirements upfront
 - ARRA was confusing for many applicants
- Need design grants to help develop knowledge base/ projects for future implementation
- Grant cap for construction grants would be supported



GIGP 2010

- Separate Application process from SRF base program
- \$15 Million program allocation available
- Davis Bacon Act and Federal DBE Program requirements continue to apply
- M/WBE Program and NYS Article 15a (as amended July 2010)
- Application available September 29, 2010
- Application Deadline December 3, 2010
- Must be committed/under contract by September 2011



GIGP 2010 Eligibility

- **Must** be eligible under SRF
- **Must** be eligible under US EPA SRF 2010 Green Project Reserve requirements
- **Meet** all applicable NYS design standards
- Demonstrate the capacity to own, operate, and maintain the proposed project



GIGP: Who Can Apply?

Any corporation which is organized and existing under the laws of the State of New York which is empowered to develop a project

- Municipality
- School district*
- Soil and water conservation district*
- Not-for-profit
- Partnership
- Association



* Only eligible for GIGP Grants under existing State laws.



What Kind of Projects?

CWA Section 212 Projects – Point Source

MUST be publicly owned

I Secondary Treatment

II Advanced Treatment

III-A Infiltration/Inflow

III-B Sewer System Rehabilitation

IV-A New Collector Sewers

IV-B New Interceptors

V CSO Correction

VI Storm Sewers (In Phase I and II MS4 areas)

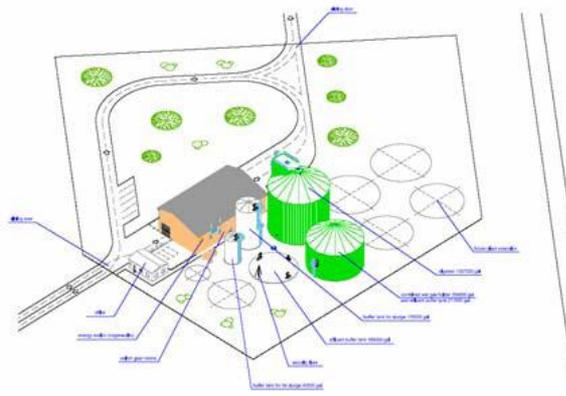
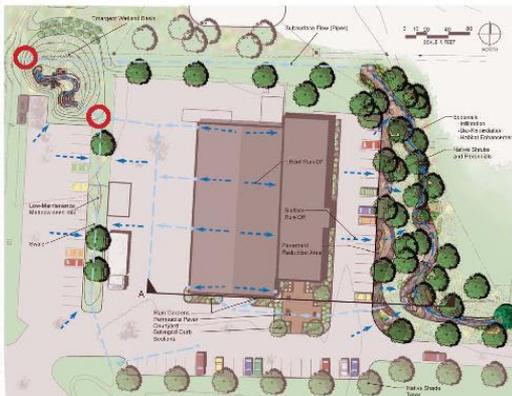
X Recycled Water Distribution



CWA Section 319 Projects – Non Point Source (NPS)

VII-A Agricultural Cropland
VII-B Agricultural Animals
VII-C Silviculture
VII-D Urban, excluding decentralized
systems
VII-E Ground Water, unknown source
VII-F Marinas

VII-G Resource Extraction
VII-H Brownfields
VII-I Storage Tanks
VII-J Sanitary Landfills
VII-K Hydromodification
VII-L Individual/Decentralized Systems



Estuary Assistance – CWA Section 320 Projects

Implementation of US-EPA Approved Estuary Conservation and Management Plans for:

- New York-New Jersey Harbor
- Peconic Bay
- Long Island Sound Estuaries



2010 EPA Green Project Reserve (GPR)

- More specific than 2009 guidance
- Lists categorically eligible projects
- Lists categorically ineligible projects
- Provides examples of projects requiring a business case
- Guidance available at www.nysefc.org/gigp



2010 EPA GPR

- **Green Wet Weather Infrastructure:**
 - Maintain and restore natural hydrology by infiltrating, evapotranspiring, harvesting and using stormwater
- **Water Efficiency:**
 - Reuse, Conserve or Improve Water Efficiency
- **Energy Efficiency:**
 - Reduce Energy Consumption or Produce Clean Energy
- **Environmental Innovation:**
 - Manage Water Resources to Prevent or Remove Pollution in more Sustainable Way



Meet / Exceed Applicable Standards

ATTACHMENT 2

2010 Clean Water and Drinking Water State Revolving Fund 20% Green Project Reserve: Guidance for Determining Project Eligibility

April 21, 2010

I. Introduction: The Fiscal Year (FY) 2010 Appropriation Law (P.L. 111-88) included additional requirements affecting both the Clean Water and the Drinking Water State Revolving Fund (SRF) programs. This attachment is included in the *Procedures for Implementing Certain Provisions of EPA's Fiscal Year 2010 Appropriation Affecting the Clean Water and Drinking Water State Revolving Fund Programs* dated April 21, 2010. Because of differences in project eligibility for each program, the Clean and Drinking Water SRFs have separate guidance documents that identify specific goals and eligibilities for green infrastructure, water and energy efficient improvements, and environmentally innovative activities. Part A includes the details for the Clean Water SRF program, and Part B the Drinking Water SRF program.

Public Law 111-88 included the language "Provided, that for fiscal year 2010, to the extent there are sufficient eligible project applications, not less than 20 percent of the funds made available under this title to each State for Clean Water State Revolving Fund capitalization grants and not less than 20 percent of the funds made available under this title to each State for Drinking Water State Revolving Fund capitalization grants shall be used by the State for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities." These four categories of projects are the components of the Green Project Reserve (GPR).

II. GPR Goals: Congress' intent in enacting the GPR is to direct State investment practices in the water sector to guide funding toward projects that utilize green or soft-path practices to complement and augment hard or gray infrastructure, adopt practices that reduce the environmental footprint of water and wastewater treatment, collection, and distribution, help utilities adapt to climate change, enhance water and energy conservation, adopt more sustainable solutions to wet weather flows, and promote innovative approaches to water management problems. Over time, GPR projects could enable utilities to take savings derived from reducing water losses and energy consumption, and use them for public health and environmental enhancement projects. Additionally, EPA expects that green projects will help the water sector improve the quality of water services without putting additional strain on the energy grid, and by reducing the volume of water lost every year.

III. Background: EPA used an inclusive approach to determine what is and is not a 'green' water project. Wherever possible, this guidance references existing consensus-based industry practices to provide assistance in developing green projects. Input was solicited from State-EPA and EPA-Regional workgroups and the water sector. EPA staff also reviewed approaches promoted by green practice advocacy groups and water associations, and green infrastructure implemented by engineers and managers in the water sector. EPA also assessed existing 'green' policies within

4/21/2010

1

New York State Energy Research & Development Authority Water & Wastewater Energy Management



Best Practices Handbook

March 2010



New York State

Stormwater Management Design Manual

August 2010

Prepared by:
Center for Watershed Protection
8391 Main Street
Ellicott City, MD 21043

For:
New York State
Department of Environmental Conservation
625 Broadway
Albany, NY 12233



David A. Paterson, Governor

Pete Grattan, Commissioner



NYS Environmental Facilities Corporation

October 13, 2010

GIGP 2010 Objectives

- Protects water quality and other environmental resources with a measurable impact on water quality;
- Spurs green innovation;
- Builds green capacity locally and throughout NYS;
- Feasibility of transferring new technology / activities to other NYS water quality issues;
- Provides outreach and educational opportunities;
- Regional distribution of projects;
- Compliance with state and federal laws, rules and regulations; and



GIGP 2010 Objectives (Continued)

- Leverages co-funding;
- Greens-up existing infrastructure / fixes existing facilities first;
- Supports community revitalization / advances a project in a municipal center;
- Land recycling / retrofit / infill;
- Reduces Greenhouse gas emissions;
- Improves air quality;
- Reduces dependence on oil / produces renewable energy;
- Supports economic development;
- Applicant commitment to asset management / operation and maintenance.



GIGP 2010 Grant Types

Construction Grants

- 90% grant
- Maximum grant of \$750,000 per project
- Require with application:
 - Treatment Plant Projects - Complete Engineering Report
 - Green Infrastructure / NPS (319 or 320 projects) - Concept plan and Feasibility Report
- Eligible planning, design and construction costs can be covered



GIGP 2010 Grant Types:

Design Grants

- 50% grant
- Maximum \$50,000 per project
- For the development of an Engineering Report, SWPPP, or equivalent document for a specific green demonstration project
- Require with application:
 - Treatment Plant Projects - Complete Feasibility Study
 - Green Infrastructure / NPS (319 or 320 projects) - Concept plan or Feasibility Report



GIGP 2010 Application

PART A - GRANT ELIGIBILITY CRITERIA

The proposed project must be Clean Water State Revolving Fund (CWSRF) and Green Project Reserve (GPR) eligible in order to qualify for a Green Innovation Grant Program (GIGP) 2010 grant.

1. Do you believe your project is CWSRF eligible? Yes
2. Do you believe you are an eligible applicant? Yes
3. a) Do you believe that your project is GPR eligible? Yes

b) Please provide the GPR citation(s) for your project:

4. Please indicate which type of grant you are applying for. Choose one; if none or both are selected your application will not be considered.

Construction Design



GIGP 2010 Application

PART B - APPLICANT INFORMATION

1. Name of Applicant:

2. Applicant Mailing Address (No. & Street):

City

, NY

Zip Code:

County:

3. Primary Contact Name:

Contact Title:

4. Phone: Fax:

E-mail Address:



GIGP 2010 Application

5. Primary Contact Mailing Address (if different from applicant):

No & Street:

City

State: Zip Code: County:

6. Federal Employer ID No.:

7. Type of Applicant:

Municipal

Non-Municipal, please specify the type:

Joint Application

8. Legislative Districts of the Applicant:

US Congress:

NY Senate:

NY Assembly:



GIGP 2010 Application

PART C - PROJECT LOCATION

1. Project Name:

2. Project Mailing Address (No. & Street):

City

New York Zip Code:

County:

3. Coordinates (GPS) For Project Location:

Latitude:

Longitude:

4. Population of City, Town or Village where project is located:

Source and Date:

5. Legislative Districts for the Project Location:

US Congress:

NY Senate:

NY Assembly:



GIGP 2010 Application

PART D – PROJECT CATEGORY & METRICS

1. a) Please list the waterbody or waterbodies that your project will impact and include a map with your application package:

- b) If the proposed project wholly or partially includes a wastewater treatment facility, please provide the facility's SPDES permit number if applicable:

SPDES Permit #:



GIGP 2010 Application

2. Based on your CWSRF and GPR eligibility as determined in Part A 'Grant Eligibility Criteria,' please check the boxes below for all categories that apply to the proposed project.

Water Efficiency: This is a project that provides for water efficiency or water reuse in compliance with [EPA's 2010 Green Project Reserve guidance](#) Part A, section 2.0 "Water Efficiency"

<input type="text"/>	Gallons / Year Potable Water Saved
<input type="text"/>	Gallons / Year Reused
<input type="text"/>	Million Gallons per Day of Wastewater Eliminated / Conserved



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Energy Efficiency: This is a wastewater treatment plant project that meets or exceeds the energy management “Best Practices” in the [*NYSERDA Water and Wastewater Energy Management Best Practices Handbook*](#) (March 2010).

<input type="text"/>	Kilowatt hours / Year Saved
<input type="text"/>	Kilowatt hours / Year Produced
<input type="text"/>	Gallons / Year Fuel Oil or Natural Gas Saved



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Green Infrastructure: This is a redevelopment or retrofit project which meets, exceeds, or demonstrates an innovative and new application of the green infrastructure design requirements / practices found in the [New York State Stormwater Management Design Manual](#) (August 2010).

Waterbody Pollutant Load Reduction Estimates (cumulative if more than one waterbody impacted)

<input type="text"/>	Tons / Year Sediment
<input type="text"/>	Lbs / Year Road Salt
<input type="text"/>	Lbs / Year Phosphorous
<input type="text"/>	Lbs / Year Nitrogen



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Wetlands, Streambanks, Shoreline Protected/Restored

<input type="text"/>	Planned acres of wetlands restored
<input type="text"/>	Planned acres of wetlands created
<input type="text"/>	Planned linear feet of streambank/shoreline protected
<input type="text"/>	Planned linear feet of stream channel stabilized

Environmental Innovation: This project meets [EPA's 2010 Green Project Reserve guidance](#) for innovation, Part A, section 4.0 "Environmentally Innovative"

What makes your project environmentally innovative and how many similar projects are there in the county? In the State? In the country?



GIGP 2010 Application

PART E – PROJECT DESCRIPTION

1. Please provide an Executive Summary of your proposed project in the space provided.
2. How will your project spur green innovation in New York State?
3. How will your project build green capacity locally and throughout New York State?
4. How will your project facilitate green technology transfer?
5. Describe your plan for outreach and educational opportunities as it relates to your project.
6.
 - a) How will you provide for long-term operation and maintenance for the project?
 - b) How will you address the repair or replacement (if needed) for the first five years of operation?



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7) From the list below, please indicate if your project provides for any of the following additional benefits:

- Leverages co-funding
- Green-up existing infrastructure (fix it first)
- Supports community revitalization / advances a project in a municipal center
- Land recycling / retrofit / infill
- Reduces greenhouse gas emissions
- Improves air quality
- Reduces dependence on oil / produces renewable energy
- Supports economic development
- Other



GIGP 2010 Application

PART F – PROJECT SCHEDULE AND BUDGET

Design Grant

1. a) Project Conceptual Site Plan Completed
1. b) Feasibility Study Completed
2. Applicant approval of final project plans & specs
3. Issue Notice to Award
4. Issue Notice to Proceed
5. Construction Commencement Date
6. Anticipated Construction Completion Date



GIGP 2010 Application

PART F – PROJECT SCHEDULE AND BUDGET

Construction Grant

1. a) Completed Project Engineering Report
b) Completed Project Conceptual Plan
2. Applicant approval of final project plans & specs
3. Issue Notice to Award
4. Issue Notice to Proceed
5. Construction Commencement Date
6. Anticipated Construction Completion Date



GIGP 2010 Application

Project Budget

Total Construction Costs:	\$
Total Engineering Costs: (= planning + design + other costs):	\$
Planning Costs:	\$
Design Costs:	\$
Other Costs, please specify:	\$
Administrative Consulting Services:	\$
Equipment:	\$
Legal:	\$
Administrative Force Account:	\$
Technical Work Force Account:	\$
Miscellaneous (please specify):	\$
TOTAL COSTS:	\$



GIGP 2010 Application

PART G – PROJECT FUNDING

Please provide the following information for the respective grant for which you are applying.

Funding Request for Construction Grants (90/10):

GIGP request (Maximum \$750,000. May not exceed 90% of total project cost):	\$
Local Match:	\$
Other funding sources:	\$
Total Project Costs:	\$

The applicant is required to fund a minimum of 10% of the project costs through local or state funds. Successful applicants will be required to document the source of local funding and all other sources of funding.

Funding Request for Design Grants (50/50):

GIGP request (Maximum \$50,000. May not exceed 50% of total project cost):	\$
Local Match:	\$
Other funding sources:	\$
Total Project Costs:	\$



GIGP 2010 Application

PART H – ENVIRONMENTAL REVIEWS / PERMITTING

Construction Grant Applicants ONLY

- **Section 1. SEQR/SERP/SHPO**
- **Section 2. Project Permits and Approvals**



GIGP 2010 Application

PART I – CERTIFICATION AS TO TITLE OF PROJECT

**PART J – MINORITY AND WOMEN BUSINESS ENTERPRISE -
EQUAL EMPLOYMENT OPPORTUNITY PROGRAM (MWBE-EEO)**

PART K – ENFORCEMENT STATUS

PART L – CERTIFICATION



GIGP 2010 Application Checklist

Every Application Must have (1) hardcopy AND (1) electronic copy (CD or DVD) of the following:

- Signed completed Hardcopy of the Application Form and filled out pdf (without signature)
- Map that depicts the impacted waterbody or waterbodies
- M/WBE Work Plan
- Attached response to Part E Question # 7

The following as applicable:

- W-9 Form for (non-municipal applicants only)
- Calculations of metrics provided for the answers in Part D
- Business Case for Part D
- Copy of the enforcement instrument for Park K



GIGP 2010 Construction Grants:

Every Construction Grant Application Must have (1) hardcopy AND (1) electronic copy (CD or DVD) of the following:

212 Projects: Engineering Report

OR

319 or 320 Projects: Conceptual Site Plan **and** Feasibility Study



GIGP 2010 Design Grants:

Every Design Grant Application Must have (1) hardcopy AND (1) electronic copy (CD or DVD) of the following:

212 Projects: Feasibility Study

319 and 320 Projects:

Conceptual Site Plan

OR

Feasibility Study



GIGP 2010 Evaluation Criteria

- **Protects water quality and other environmental resources with a measurable impact on water quality;**
- Spurs green innovation;
- Builds green capacity;
- Feasibility of transferring new technology / activities to other NYS water quality issues;
- Provides outreach and educational opportunities;
- Regional distribution of projects;
- Compliance with state and federal laws, rules and regulations; and



GIGP 2010 Evaluation Criteria

- Leverages co-funding;
- Greens-up existing infrastructure / fixes existing facilities first;
- Supports community revitalization / advances a project in a municipal center;
- Land recycling / retrofit / infill;
- Reduces Greenhouse gas emissions;
- Improves air quality;
- Reduces dependence on oil / produces renewable energy;
- Supports economic development;
- Applicant commitment to asset management / operation and maintenance.



Multi-Agency Panel

NYS EFC

NYS Environmental Facilities
Corporation

NYS DEC

NYS Department of Environmental
Conservation

NYSERDA

NYS Energy Research and
Development Authority

NYS DOS

NYS Department of State



GIGP 2010 Schedule

Application Available

September 29, 2010

Application postmarked by

December 3, 2010

Award Grants

(TARGET) *February 2011*

Grant Agreement Signed

September 30, 2011



Thank you!





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If you have additional questions please
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