Green Infrastructure Grant Opportunities &
Green Urban Spaces
2019 Upstate APA Conference
Rochester, NY
October 3, 2019
EFC Overview

- Public benefit corporation which provides financial and technical assistance primarily to municipalities by providing low-cost financing for their water quality infrastructure projects.

- EFC administers a number of programs, including managing the most successful State Revolving Funds in the nation.

- These programs have provided over $34 billion in low-cost financing and grants for approximately 3,000 water and sewer infrastructure projects across New York State.
GREEN INFRASTRUCTURE
What is Green Infrastructure?

- **Green infrastructure** includes a wide array of practices at multiple scales that manage wet weather and that maintain and restore natural hydrology by infiltrating, evapotranspiring, and harvesting and using stormwater.

- On a **regional scale**, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains and wetlands, that help reduce overall imperviousness in a watershed.

- On a **local scale**, green infrastructure consists of site or neighborhood specific practices, such as bioretention systems, stormwater street trees, and permeable pavements.
Eight Practices Eligible for Green Infrastructure Funding with EFC

- Bioretention
- Construction or Restoration of Floodplains, Riparian Buffers, Streams, or Wetlands
- Downspout Disconnection
- Green Roofs and Green Walls
- Porous Pavements
- Stormwater Harvesting and Reuse
- Stormwater Street Trees/Urban Forestry
- Stream Daylighting
Bioretention & Rain Gardens

Project: Campus Retrofit
Bard College, Dutchess County
Construction or Restoration of Wetlands & Riparian Buffers

Project: Wetland Improvements
Village of Wappingers Falls
Downspout Disconnection & Stormwater Harvesting and Reuse

Project: Syracuse Crunch Hockey Rink
City of Syracuse, Onondaga County
Green Roofs & Green Walls

Projects:
St. John’s Riverside Hospital & Sarah Neuman Center
Westchester County, NY
Porous Pavements

Project: Porous Pavement

Village of Lake George, Warren County, NY
Stormwater Street Trees & Urban Forestry

Project: Green Streetscape

Village of Cooperstown, NY
Stream Daylighting

Project:
Daylighting of the Saw Mill River

Yonkers, NY
INTEGRATED SOLUTIONS CONSTRUCTION GRANT PROGRAM (ISC) & STATE REVOLVING FUND (SRF) PROGRAMS
Taking a Traditional Gray Project and Integrating Green

The ISC program was created to incentivize the incorporation of green infrastructure into traditional gray infrastructure projects.
How Can Combining Green Infrastructure with Gray Infrastructure Benefit My Community?

- Water management and flood alleviation
- Creating areas of natural beauty
- Health and well-being
- Land and property values
- Source water protection
- Climate change adaptation and mitigation
- Recreation
- Biodiversity
Integrated Solutions Construction (ISC) Grant Program

- Provides grant dollars for the incorporation of green infrastructure practices into CWSRF-financed CSO / SSO / stormwater projects

- Grant covers 50% of green construction cost

- Green infrastructure practices must treat a minimum of 25% of the water quality volume from a combined, sanitary, or storm sewer system area

- CWSRF program requirements will apply and grant must be partnered with CWSRF financing
Clean Water State Revolving Fund (SRF) Overview

- Low-cost financing for wastewater and water quality infrastructure
- Administered by EFC and DEC
- A variety of water quality improvement projects are eligible for financing including:
  - Point Source Projects
  - Nonpoint Source Projects
  - National Estuary Projects
Types of Financial Assistance Offered by EFC

- Short-Term Loans
- Long-Term Loans
- Grants
- 0% Interest
- Subsidized
- Market Rate
SRF Program Requirements

American Iron & Steel
- Treatment works projects only
- Applies to entire project, even if project is only partially funded by SRF

Davis-Bacon [Federal Prevailing Wage]
- Treatment works projects only

MWBE Goals (20-30%)
- Goals depend on type of financing, but apply to:
  - Non-construction contracts/service agreements exceeding $25,000
  - Construction contracts exceeding $100,000
  - Any change order exceeding $25,000

Visit www.efc.ny.gov/MWBE for more information
Intended Use Plan (IUP)

- The Intended Use Plan describes each SRF program, lists available funds and identifies the use of those funds each FFY
- EFC or DOH assigns a project priority score based on water quality and public health impacts
- Eligible project costs will be based on documented estimates from engineering reports, plans and specifications, and bid awards
- Only projects on the IUP’s Annual List may receive financial assistance during the current FFY
Finance Application Requirements

1. Acceptable CWSRF/DWSRF Financing Application Form indicating an interest in the ISC grant

2. Completion of the State Environmental Quality Review (SEQR)

3. Signoff of project by NYS Office of Parks, Recreation and Historic Preservation (SHPO)

4. Adoption of a Bond Resolution

5. Completed Water/Sewer District Formation (if necessary)

Additional information on EFC’s website: http://efc.ny.gov/ISC
Sample Application Form, Page 1

New York State Environmental Facilities Corporation
New York State Revolving Funds Financing Application (Municipal)

Please refer to the Municipal Application Form Instructions and Guidance for assistance in completing this application.

1. GENERAL INFORMATION
A. Applicant
Name of Applicant: ____________________________
Federal I.D. Number: __________________________
County: __________________________
DUNS Number: __________________________

List each project (and its location) for which financing is desired separately in the following table. Project Numbers have been assigned by EFC or DOH, and follow the format C1-1234-56-78 (CWSRF) or D0-12345 (DWSRF). Project numbers and scores are listed in the respective Intended Use Plan (IUP) Annual Project Priority List.

<table>
<thead>
<tr>
<th>SRF Project Number</th>
<th>SRF Project Score</th>
<th>IUP Category</th>
<th>IUP Amount</th>
<th>Municipal Location</th>
<th>Service Area</th>
<th>Project Location ZIP +4</th>
<th>Legislative Districts (you may include multiple districts, if applicable)</th>
<th>US Congress</th>
<th>NY Senate</th>
<th>NY Assembly</th>
</tr>
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<tbody>
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B. Financial Assistance Requested

<table>
<thead>
<tr>
<th>SRF Project Number</th>
<th>SRF Financial Assistance Amount</th>
<th>Date of Hardship Confirmation Expiration (If Applicable)</th>
<th>If not eligible for subsidy is SRF market-rate financing desired?</th>
<th>Type of Financing Requested</th>
</tr>
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<tbody>
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<td>Yes</td>
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<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>

C. Integrated Solutions Construction (ISC) Grant Program

If applying for CWSRF financing, do you want your project to be considered for the ISC Grant Program? Yes [ ] No [ ]

SRF Application Form - Municipal Page 1 12/5/2016
ISC Case Study
City of Albany Combined Sewer System & Stormwater Management Plan
City of Albany

- EFC has worked with the City of Albany on both green and gray infrastructure improvement projects.
- City is located adjacent to the Hudson River. Historically flows from sewer system went straight to the River. Currently only wet weather overflows enter the Hudson.
- The City has worked on numerous projects to reduce the number of overflows including:
  - Green Streets
  - Wetlands
  - Underground Infiltration
  - Storage & Re-use
City of Albany – Constructed Wetland

- Project Benefits
- ✓ Reduce wet weather flow from entering the combined sewer system
- ✓ Improve water quality
City of Albany – Stormwater Harvest & Reuse

- Project Benefits
  - Reduce wet weather flow from entering the combined sewer system
  - Re-use water for irrigation of ballfield, street sweeping and irrigation of City wide Green Infrastructure
  - Improve water quality
GREEN INNOVATION GRANT PROGRAM
Green Innovation Grant Program (GIGP)

- $15 million available
- Eligible Applicants include Municipalities, Private Entities, State Agencies, and Soil & Water Conservation Districts
- Grants will be available to cover a minimum of 40% up to a maximum 90% of the eligible project costs as estimated in the application. A match from state or local funds for the balance of the estimated project cost is required.

To Date

$170 Million awarded to 220 GIGP projects
Funds transformative green infrastructure projects that:

- Utilize green infrastructure components to protect and improve water quality
- Spur innovation in the field of green infrastructure for stormwater
- Build capacity to construct and maintain green infrastructure
- Provide multiple benefits in the communities where they are built
Awardee Requirements

Awardees must fulfill certain requirements to enter into a Grant Agreement with EFC, including:

- Completing all State environmental and historic preservation reviews i.e., SEQR and SHPO
- Providing a detailed final budget and plan of finance to show that sufficient funding has been secured to provide for the local match requirements and total project cost
- Obtaining EFC approval of final Feasibility Study
- Submitting proof of legal right to own, operate and maintain the project for the duration of its useful life
- Demonstrating compliance with Minority Women Business Enterprises (MWBE) requirements
CASE STUDIES

- GIGP GRANTS
  - Monroe Avenue Green Street Retrofit
  - Rochester Museum & Science Center
GIGP Case Study
Monroe Avenue Green Street Retrofit
Monroe Avenue Green Street Retrofit

- Awarded over $1,565,000 in grant funds which covered 90% of project costs
- The Town of Brighton appropriated funds to meet the 10% match
- The Town of Brighton retrofitted Monroe Avenue and naturalized an adjacent channelized stream segment of Buckland Creek with the following green infrastructure practices:
  - Bioretention, porous sidewalks, stormwater street trees and riparian buffers
- Project Benefits
  - Over 3,000 LF of Monroe Avenue was retrofitted with green infrastructure
  - Two bioretention practices were installed to treat impervious surface runoff before discharging onto the Buckland Creek
  - Buckland Creek is a major tributary of Allens Creek.
GIGP Case Study
Rochester Museum & Science Center
Phases 1 & 2
Rochester Museum & Science Center Phases 1 & 2

- Phase 1: Awarded $724,374 in GIGP grant to restore a neglected downtown area
- Phase 2: Awarded $526,300 in GIGP grant to install a new permeable parking lot and bioretention areas
- Green infrastructure practices implemented:
  - New Permeable Asphalt
  - Bioretention
  - Rain Gardens
  - Downspout Disconnection
  - Green Roof
  - Rainwater Harvesting
  - Stormwater Tree Plantings
Applying for GIGP

Apply through the Consolidated Funding Application (CFA)
http://regionalcouncils.ny.gov/

- Grants are announced by the Governor as part of the Regional Economic Development Competition Awards Ceremony
- Required Application Elements:
  - Feasibility Study
  - Existing Conditions Plan
  - Conceptual Site Plan
  - Site Photographs
Any Questions?

Photo Credit: Communications Bureau, City of Rochester
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