

# Green Infrastructure and Low Impact Development Evaluation and Implementation Plan

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## *Final Report*

February 2012

Prepared by the Genesee/Finger Lakes Regional Planning Council  
For the New York State Department of Environmental Conservation

# American Recovery and Reinvestment Act (ARRA) Clean Water Act Section 604(b)



## Final Report

Prepared for the New York State Department of Environmental Conservation

## Project/Organization Information

### Project Information

Project Name	Green Infrastructure and Low Impact Development Evaluation and Implementation Plan		
Primary Project Type	Green Infrastructure Planning		
State Contract Number	C304267		
Project Start Date	1/1/2010	Project End Date	2/17/2012
ARRA Award Amount	\$97,369.00	Total Project Cost	\$97,214.55

### Organization Information

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# Introduction

## Project Introduction & Description

The primary purpose of the project should be described, along with a general overview of major project goals and outcomes. Affected bodies of water and project locations should also be noted.

The purpose of this *Genesee-Finger Lakes Green Infrastructure and Low Impact Development Evaluation* project was to produce a reliable inventory and assessment of potential stormwater “green infrastructure” retrofit projects within selected municipalities and to provide an assessment of the local regulatory framework to ensure compatibility with Low Impact Development (LID) practices. The municipal reports summarize the results of this inventory and assessment process. This information can be used to help plan for local stormwater needs, meet existing stormwater regulations or water quality goals, and apply for implementation funds if and when they become available. To date, several municipalities - including the Town of Parma and the Villages of LeRoy and Penn Yan - have used the findings of this study to apply for funds made available through the NYS Environmental Facilities Corporation Green Innovation Grants program.

A total of 9 municipalities (Towns of Parma, Ogden, Webster, Walworth and Villages of Spencerport, Churchville, LeRoy, Penn Yan and Dresden) in the Genesee-Finger Lakes region were selected to participate in this project. Bodies of water include Black Creek, Oatka Creek, Northrup Creek, Red Creek, Seneca Lake, Keuka Outlet, Erie Canal, and Irondequoit Bay. Project staff conducted field visits in these municipalities in the spring and summer of 2011 to identify and assess potential locations for green infrastructure stormwater facilities utilizing a standard approach created by the Center for Watershed Protection (CWP). During that same time staff also assessed the body of local regulations within each project municipality utilizing the Center for Watershed Protection's Code and Ordinance Worksheet. The municipal reports include a brief explanation of the concepts of stormwater green infrastructure and Low Impact Development followed by a summary of the findings of this project relevant to each of the municipalities. These findings are intended for use by the municipalities as they see fit.

# Summary of Activity

## Objectives, Tasks, & Outcomes

Work plan objectives should be clearly linked to final project outcomes. For each objective listed on the work plan, a brief summary of the tasks and activities should demonstrate how project deliverables and outcomes have accomplished that objective.

### Objective

**Establish knowledge base, advisory structure and project partners that will serve to guide the project through to successful completion.**

### Task Summary & Project Outcomes

The following tasks and outcomes were accomplished: literature review document developed; lists of key stakeholders developed; list of possible consultants developed; criteria for consultant selection document developed; RFP developed and distributed; proposals reviewed, ranked and consultant selected; prepared and executed subcontract; and contact and communication with partners.

### Objective

**Identification of project municipalities and project initiation**

### Task Summary & Project Outcomes

The following tasks and outcomes were accomplished: Project Partner selection criteria; solicitation letter; conducted a review of key watershed studies and reports; reviewed and selected municipalities for participation; and met with project participants / municipal representatives

### Objective

**Prepare project approach and methodology for green infrastructure needs assessment**

### Task Summary & Project Outcomes

The following tasks and outcomes were accomplished: Chose an assessment tool; prepared, administered and processed results of survey to participating municipalities; met with participating municipalities; and chose site evaluation tool

### Objective

**Identification of potential green infrastructure solutions, including site evaluation, list of alternatives, and general rough cost estimates**

### Task Summary & Project Outcomes

The following tasks and outcomes were accomplished: site visits, evaluations and technical memorandum.

### Objective

**Local law assessment and gap analysis to ensure green infrastructure solution compatibility**

### Task Summary & Project Outcomes

The following tasks and outcomes were accomplished: chose methodology for assessment of local laws; gathered local law documents; conducted local law assessment and gap analysis including meetings and communication with participating municipalities and development of report.

Outcomes

Objective

**Draft report development**

Task Summary & Project Outcomes The following tasks and outcomes were accomplished: Coordination with project consultant; created and submitted reports for participating municipalities.

Objective

**Complete Reporting as Required**

Task Summary & Project Outcomes The following tasks and outcomes were accomplished: quarterly and final reports.

**Problems Encountered/How Solved**

A comprehensive summary of any problems encountered during the life of the project and how those problems were resolved should be listed. The list should include any information reported in the "Problems Encountered/How Solved" box on the Quarterly Report Cover Pages throughout the project.

No major problems were encountered. Two scheduling problems were encountered and reported during quarterly progress reports and brought back on schedule. One coordination issue came up with regard to the local law reviews and reported during quarterly progress reports and that was resolved locally.

**Changes to Project Work Plan**

Any changes that were made to the project work plan during the life of the project should be noted, including a brief description of why the changes were necessary.

No significant changes were made to the workplan.