RESTORE Act Interest Form

Please fill out the form below to express your interest in funding a project or proposal from the RESTORE Act. (Additional pages may be used, if needed.) Completion of this form does not guarantee funding.

Project Name: Stormwater Diversion & Aquifer Storage & Recovery
Project Sponsor (your organization): City of Naples, Florida
Contact Person: Bob Middleton, Utilities Department Director
Address: 380 Riverside Circle, Naples, FL 34102
Phone: (239) 213-4714 Email: bmiddleton@naplesgov.com

Project Type according to the Allowable Uses for RESTORE Act Funds:

- Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, and coastal wetlands of the Gulf Coast region
- Mitigation of damage to fish, wildlife, and natural resources
- Implementation of a federally approved marine, coastal, or comprehensive conservation management plan, including fisheries monitoring
- Workforce development and job creation
- Improvements to or on State parks located in coastal areas affected by the Deepwater Horizon oil spill
- Infrastructure projects benefitting the economy or ecological resources, including port infrastructure
- Coastal flood protection and related infrastructure
- Infrastructure projects benefitting the economy or ecological resources, including port infrastructure

The Board of County Commissioners has adopted Guiding Principles relating to project proposals:

1. Projects provide positive environmental and economic benefits, including job creation.
2. Projects are consistent with local government comprehensive plans and community priorities.
3. Projects incorporate other funding partners to fully leverage grant resources.
4. Projects meet the funding criteria set forth in the RESTORE Act.
5. Projects selected will be diverse and address all our community's eligible needs, including coastal and ecosystem restoration and development, flood protection, and tourism promotion.

Project location (attach map if applicable): Naples Bay
Project Description (describe how the proposal applies to an Allowable Use & a Guiding Principle)
Total Cost: Additional Funding Partners or sources of matching funding if available (RESTORE Act funds):
Suggested implementation timeline: Please see attached.

Mail completed form to: William Lorenz, Director
Deadline: April 9, 2013
Natural Resources Department
2800 North Horseshoe Drive
Naples, FL 34104
For additional information please call 239-252-2951 or 239-252-8113
Project #2: Stormwater Diversion & Aquifer Storage & Recovery

Project Location:

Site Location: City of Naples Government Center
380 Riverside Circle, Naples, Florida

PROJECT DESCRIPTION: In October 2008, City Council adopted the Integrated Water Resources Plan (IWRP) that provides a 20 year plan for sustainable water supplies for the City’s water service area. One of the elements of the IWRP includes installation of an aquifer storage and recovery system (ASR) that enables the City to send large volumes of treated waste water and stormwater deep underground, stored for periods of time, and then retrieved for irrigation use. To date, four wells have been permitted by FDEP and two have been constructed and are being cycle tested. Treated waste water from the City’s Water Reclamation Facility and stormwater from the Golden Gate Main Canal is supplied to the existing two ASR wells. The City proposes to expand the ASR system by completing the two remaining ASR wells and constructing a transmission system from a nearby stormwater pump station to the Water Reclamation Facility. By supplying large volumes of stormwater from the pump station, the City is making the best use of the resource, rather than discharging to the Gordon River. Also, the Gordon River is identified as an impaired water body for nutrients, copper and bacteria. The reduction in stormwater discharge to the Gordon River via this project would significantly reduce pollutant loading.
This project meets the following allowable uses for RESTORE Act Funds:

- Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, and coastal wetlands of the Gulf Coast region (Diverts an additional 120 million gallons of nutrient rich stormwater per year from the impaired Gordon River and beneficially utilizes the resource for vegetative irrigation by creating one billion additional gallons of underground storage capacity);
- Workforce development and job creation (Est. 33 FTE's);
- Infrastructure projects benefitting the economy or ecological resources, including port infrastructure (Provides new supporting infrastructure to the reclaimed irrigation system);

This project meets the following Guiding Principles developed by the County Commissioners:

1. Projects provide positive environmental and economic benefits, including job creation.
2. Projects are consistent with local government comprehensive plans and community priorities.
3. Projects incorporate other funding partners to fully leverage grant resources.
4. Projects meet the funding criteria set forth in the RESTORE Act.
5. Projects selected will be diverse and address all our community's eligible needs, including coastal and ecosystem restoration and development, flood protection, and tourism promotion.

TOTAL COST:

Total Project Cost: $7,405,000
Total Cost Spent To Date: $3,605,000 – Planning, Eng. & Design, Permitting
Funding Request: $2,100,000 - Construction
Future City Contribution: $1,700,000 – Construction & Inspection

The construction cost for each ASR well is approximately $1.5 million. Estimated construction cost for the transmission system from the stormwater pump station to the Water Reclamation Facility is estimated at $600,000. The City proposes to fund the construction of one ASR well at $1.5 million and construction inspection at $200,000. The City is requesting grant funding for the cost of the one remaining ASR well and the transmission system from the pump station to the ASR well. The total grant request is $2.1 million.

IMPLEMENTATION TIMELINE: The ASR well portion of this project is considered construction ready. Ideally, construction is best suited for June 2013 while most residents have travelled north for the season. The City of Naples has acquired an Environmental Resource Permit from the Florida Department of Environmental Protection (FDEP). The transmission system that would provide stormwater from the pump station to the ASR well is currently in design and will be ready for construction in October 2013.

Reference documents associated with this project include:

- City of Naples Stormwater Master Plan (2007)
- Conceptual Planning Level Analysis of ASR Stormwater Transmission Main and Pump Station Upgrades (2013)