

Project Name: Livingston Road ASR Wells 2-5
Project Sponsor: Collier County Public Utilities
Contact Person: Danette Kinaszczuk
Address: 4370 Mercantile Ave, Naples, FL, 34135
Phone: (239) 252-6284
Email: danettekinaszczuk@colliergov.net

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
- Workforce development and job creation
- Infrastructure projects benefitting the economy or ecological resources, including port infrastructure
- Coastal flood protection and related 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: 15694 Livingston Road



Background:

As the population of southwest Florida continues to grow, demand for water escalates. The Irrigation Quality (IQ) Water program has the potential to increasingly offset the use of high water quality water resources by utilizing IQ Water for non-potable uses such as irrigation. Variations in IQ Water supply do not correspond with variations in water demand on either a daily or seasonal basis, and these nonconforming variations present substantial challenges to optimizing IQ Water supplies. The Irrigation Quality Water Program must have an adequate IQ Water supply to meet demand during seasonal peak demand periods. Without supplemental water supplies, the CCWSD's IQ Water customer base and distribution potential is limited to those users and quantities that can be served during low flow/high demand periods. As a result, millions of gallons of treated reclaimed that could be used in lieu of high quality water supplies are deep injected. Utilizing harvested stormwater and treated reclaimed water in conjunction with Aquifer Storage and Recovery (ASR) is the best supplemental water supply method due to the vast quantities of water required to meet demand and the additional environmental benefits such as water quality improvements due to reduced stormwater run off.

Objective:

Increase supplemental IQ Water supply by using fresh groundwater wells and reclaimed water to charge ASR during the wet season and withdrawal water during the low flow high demand periods.

Project:

Design & construction of ASR wells 2 -5

Total Cost:

This cost share request is to fund the design and construction. The project is estimated at 6.0 million dollars.

Suggested implementation timeline:

Within the next five years.