FLORIDA GULF OF MEXICO RESTORATION

PROJECT SUBMITTAL FORM

Form Purpose and Instructions:

- To assist the project proposal and review process, please complete this Submittal Form. Completion of the Form will contribute to the appropriate information being completely and accurately submitted for each project.
- Take as much space as needed for each question, but please keep responses as focused as possible. It may assist you to review all the questions before addressing any one question.
- Please submit one Form per project, if you have multiple projects - please submit one Form for each project.
- Please submit completed Forms to Restoration.Projects@dep.state.fl.us. Once your Form is successfully submitted, you will receive a confirmation email from the Florida Department of Environmental Protection.

Project Name:

Wastewater Infrastructure from Airglades Airport/Industrial Park to the City of Clewiston WWTP, Hendry County, FL

Contact Information *(Include at least one name, phone number, email address, and organization name if applicable)*:

Janet E. Papinaw, Director, Hendry County Grants & Special Projects 863-675-5264
jpapinaw@hendryfla.net

Project Location *(Include a map, if possible, and the city, county, longitude/latitude, and watershed)*:

Hendry County (Clewiston) Florida Sections 16, 17, 20 and 21, Twp. 43S, Rng 33E
Caloosahatchee River & Estuary Watershed
-81.048085 W 26.736325N

Project Description *(Describe all aspects of the project)*:

To design, permit and construct a 10.4 mile wastewater force main from Airglades Airport & Industrial Park to the City of Clewiston's existing wastewater treatment plant (WWTP).

Estimated Project Costs *(Describe the estimated costs of the project, including any assumptions for contingency and ongoing operations/maintenance. Identify other secured funding sources such as matching funds, in-kind contributions or state/federal dollars. In addition, if possible, complete and submit the Cost Appendix Sheet associated with this Form)*:

The estimated project cost is $4 million. After completion of construction, the force main will be maintained by the City of Clewiston. The operating expenses will be covered by the utility charges imposed by the City in their monthly billing cycles.

Other Funding *(Indicate if the project is submitted for any potential funding or if it may be used to leverage additional funding, if so please describe the funding source [e.g. State/Federal Grants])*:

Hendry County met with the City of Clewiston to develop a coordinated funding strategy to design, permit, and construct the force main. Contact was made with the Florida Department of Environmental Protection (FDEP) Small Communities Wastewater Construction Grants Program, but the funding limitations ($500,000) were not feasible for this project. The State Revolving Loan Fund

Technical Feasibility *(Describe the technologies involved and any relevant past experience or proven success with similar projects)*:

Wastewater force mains are the standard technology for delivering untreated waste water to a central facility over long distances and in cases where gravity-flow sewers are not practical. The consulting engineering company that serves Hendry County (Tetra Tech) has reviewed alternatives available to Hendry County for handling current and future Airglades waste water loads and determined that a force main to Clewiston waste water treatment plant is both a feasible and a cost-effective solution. Special considerations for the

Environmental Benefits *(Describe the nature, magnitude, and timing of any environmental benefits attributable to the project. If possible, describe potential environmental performance measures [e.g. pollutant reduction]. Please address any potential environmental impacts associated with implementing or maintaining the project [e.g. loss of a habitat or conversion of habitat from one type to another during implementation])*:

The Airglades project will protect public health and the environment by redirecting waste loads from the Airglades Airport and Industrial Park to a higher-level wastewater treatment facility in Clewiston and decommissioning the Airglades wastewater treatment plant. The current Airglades wastewater treatment plant is not permitted to treat industrial-type waste loads whereas the Clewiston facility is permitted for industrial wastes. Thus, the inability of the current Airglades facility to treat industrial

Economic and Social Benefits *(Describe the economic and social benefits including those related to the project's improved ecosystem services and any estimates on jobs created or preserved)*:

Hendry County is always in the top five and commonly number one in the State for unemployment. The County desperately needs to attract new industry to create much- needed jobs. Airglades Airport is the ideal location for this to occur. The Airglades Airport and AIP are currently served by a domestic wastewater treatment plant that has reached its capacity. An expansion of the existing sprayfields (funded by 2011 CDBG - Economic Development Program) will allow <u>one</u> tenant to locate at AIP creating an estimated 11 new jobs for Hendry County, but it cannot accommodate any new tenants. This

Community Resilience *(Describe if the project assists Florida's ability to anticipate, withstand, or recover from hazards or threats [e.g. hurricane preparedness, establishing living shorelines])*:

Airports are critical assets for natural disaster recovery and assistance. The utilization of the airport is currently limited by its inadequate wastewater treatment capacity. Construction of the waste water force main to the Clewiston WWTP will enhance airport functionality and thus regional resilience, particularly for high-intensity usage by response services following a destructive event.

Conflicts or Complements to Existing Efforts *(Describe any ongoing activities in the project implementation area, if the project is part of another plan, and why the project does or does not interfere with that work. Please consider how the project may complement existing local, regional, and state efforts/plans/objectives)*:

Airglades is located in the Caloosahatchee River sub-basin WBID 3237D (Nine Mile Canal) and contributes runoff to the Caloosahatchee River at Lake Hicpochee. Airglades falls within the geographic coverage of the Northern Everglades and Estuaries Protection Program (NEEPP) and the Caloosahatchee River Watershed Protection Plan (CRWPP). The NEEPP and CRWPP seek pollutant load reductions required by the Total

Complies with Federal, State, Local, and Tribal Laws/Regulations *(Describe any concerns or potential conflicts)*:

The Airglades waste water force main project would allow full compliance with existing DEP regulations.

Readiness for Implementation *(Describe if the project has had any design or permitting work started or completed [attach permits or design work]. Please address any issues that may delay start or finish of the project)*:

The project is a public utility in a public right-of-way so special zoning or land use requirements are not required. Project planning is also completed. The County hired an engineering firm to review three possible options for the expansion of sewer facilities at Airglades Airport and AIP. The three options analyzed were the expansion of the existing wastewater treatment plant (WWTP) and sprayfield, the

Public Acceptance *(Describe any known or potential public approval or opposition to the project)*:

No opposition is known. A project that protects the environment AND creates jobs is a win-win situation for Hendry County and this region.

Additional Information you wish to provide *(Please include any maps, designs, drawings, photos, or background resources that may assist in completely and accurately understanding the project)*:

1. Map of Caloosahatchee River Watershed Protection Plan
2. Map of Ninemile Canal, WBID3237D
3. Map of Location of Nine-mile Canal and Caloosahatchee Basin
4. Aerial Photograph Airglades Airport
5. Airglades FIRM Map
6. Airglades Aerial/Map

Cost Appendix Sheet

Cost Item	Cost Estimate
Planning	
Contracts	
Feasibility	
Engineering, Design, Land Rights, & Bid Prep	$325,000.00
Restoration Plan	
Site Visits & Cost of Site Selection	
Administration, Overhead, and Indirect	
Other	
Planning Subtotal:	$325,000.00
Construction	
Contracts	$3,075,000.00
Administration & Mobilization/Demobilization	
Other	$5,000.00
Construction Subtotal:	$3,080,000.00
Monitoring	
Contracts	
Data Collection	
Monitoring Administration	$16,250.00
Other	
Monitoring Subtotal:	$16,250.00
Project Cost	
Supervision	$117,500.00
Subtotal:	$3,421,250.00
Contingency	$461,250.00
TOTAL:	$4,000,000.00

Estimated Costs by Year	
Year 1	
Year 2	
Year 3	
Year 4	
Year 5	
Year 6	