

# SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

## FY2018 Cooperative Funding Initiative Application Form

**Project Name** Forest Hills West  
**Project Number** N841  
**Cooperator** Pasco County  
**Department** Design Stormwater Management  
**Contact Person** Donald Carey  
**Address** 4454 Grand Blvd  
**City State Zip** New Port Richey, FL 34652  
**Phone #** 727-834-3611 ext320  
**Email** dcarey@pascocountyfl.net

### Project Type:

Water Supply  Water Quality  Flood Protection  Natural Systems

### Strategic Initiatives:

Water Quality Maintenance and Improvement  Water Quality Monitoring  
 Alternative Water Supply  Conservation  
 Reclaimed Water  Regional Water Supply Planning  
 Emergency Flood Response  Floodplain Management  
 Minimum Flows and Level Establishment and Monitoring  Minimum Flows and Levels Recovery  
 Natural Systems Conservation and Restoration  Natural Systems Identification and Monitoring

### Indicate All Counties to Benefit From Project:

Charlotte  Citrus  Desoto  Hardee  Hernando  Highlands  Hillsborough  Lake  
 Levy  Manatee  Marion  Pasco  Pinellas  Sarasota  Sumter  Polk

### Project Description/Benefit/Cost

#### Description:

The Forest Hills neighborhood experiences chronic flooding stemming from significant rainfall events. The neighborhood is bounded by Hwy 19 on the west, Grand Blvd on the east, and Phoenix Ave on the south. The project encompasses the 158-acre west sub-basin of the 580-acre Forest Hills watershed. There are currently 14 residential structures within the neighborhood which would currently be expected to be inundated during a 100-year flooding event. The neighborhood suffers from minimal topographic relief and generally insufficient conveyance. The project would entail the replacement/addition of existing/proposed storm-water drainage pipes throughout the neighborhood, along with the acquisition of various easements.

#### Benefit:

This project, along with the Forest Hills Outfall project, which must precede it, would lower anticipated flooding levels such that all 14 of the at-risk residential structures in the Forest Hills west basin would be removed from the 100-year floodplain.

The anticipated benefit/cost/ ratio is approximately 0.39 (please see attached spreadsheet).

#### Cost:

The project is designed and permitted. The expected construction cost is \$2M.

### Describe your complementary efforts in developing, implementing and enforcing water conservation, water quality and flood protection ordinances.

Pasco County's reclaimed water system includes metering and incentive-based reuse rate structures for high volume water users and has proactive reclaimed water expansion policies which maximize utilization extent, water resource benefits, and environmental benefits. Pasco County adopted Ordinance 01-08 requiring the following: one day/week irrigation restrictions for potable water; curtailed use of potable water for irrigation when rain has occurred within 24 hours; scheduled availability and restricted use of reclaimed water irrigation to distribute limited supply to as many customers as possible; washing of non-business, personal vehicles only using low volume methods and over non-impervious surfaces; prohibiting aesthetic uses of water unless such use also provides a necessary aeration or water quality benefit; and the use of reclaimed water for road construction activities when available. Enforcement of this ordinance is by designated County personnel and law enforcement officers. During Water Year 2015, 100% of Pasco County Utilities' wastewater was reused. Effective October 1, 2014, the bulk rate charged for the use of reclaimed water is \$0.50 per 1,000 gallons (normal rate), \$0.23 per thousand gallons (surplus rate), and a flat rate of \$11.05 per month for residential irrigation. Pasco County's potable water rates are applied in a water conservation inclining block rate. County Ordinance 93-16 requires each new development to construct a reclaimed water distribution system as a condition of wastewater service when the development is within designated areas in the Reclaimed Water Master Plan and when providing the development with reclaimed water supply is determined in the best interest of the County. Pasco County participates in the National Flood Insurance Program, administered through FEMA. All finished floor elevations are required to be above the 100-year flood elevation. These elevations are reviewed prior to construction and certified after construction. Fill Ordinance, adopted in March 2005, requires permit applications and review for placement of fill greater than 5 CY on properties.

<b>Funding Source</b>	<b>Prior Funding</b>	<b>FY2017 Budget</b>	<b>FY2018 Budget</b>	<b>Future Funding</b>	<b>Total Funding</b>
Applicant Share			1,000,000		1,000,000
Pinellas Anclote			1,000,000		1,000,000
Total			2,000,000		2,000,000

**Matching Fund Reduction**

Check here if requesting a reduction in matching funds requirement pursuant to s.288.06561, F.S.

**Timelines**

**Construction**

**Milestone**

Commence Construction

Complete Construction

**Projected Date**

10/02/2017

09/28/2018

**Data Collection Assessment:**

Land Survey