Tampa Bay Region

FY2018 Cooperative Funding Initiative

Preliminary Project Evaluations and Rankings
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**Cooperative Funding Projects - Ranked 1A**

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<td>Pasco Co</td>
<td>Study – Magnolia Valley Slough Restoration</td>
<td>M</td>
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<td>N528</td>
<td>Tampa</td>
<td>SW IMP - Flood Protection - Upper Pensinsula Stormwater Improvements Vasconia Box Culvert</td>
<td>L</td>
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<td>N839</td>
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<td>SW IMP - Flood Protection - Forest Hills Lake Conveyance Improvement</td>
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<td>N843</td>
<td>Pinellas Co</td>
<td>WMP - Culex Creek and Smith Bayou Geomorphic Analysis</td>
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<td>Project</td>
<td>Cooperator</td>
<td>Project Name</td>
<td>Rank</td>
<td>FY2018 Proposed District Funding</td>
<td>Total District Future Funding</td>
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<tr>
<td>N847</td>
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<td>WMP - Hillsborough County Floodway Update</td>
<td>L</td>
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<tr>
<td>N855</td>
<td>Hillsborough Co</td>
<td>Restoration – South Hillsborough Aquifer Recharge Expansion (SHARE) - Phase 1</td>
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<td>N864</td>
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<td>Reclaimed Water - Pasco County Jasmine Lakes/Palm Terrace Water Quality Improvement Project</td>
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<td>Reclaimed Water - Pasco County Embassy Hills Basin Water Quality Improvement Project</td>
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<tr>
<td>N914</td>
<td>Pasco Co</td>
<td>Reclaimed Water-Pasco County Land O Lakes Recreation Center Reclaimed Water Project</td>
<td>L</td>
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<td>N942</td>
<td>Pasco Co</td>
<td>Study - Pasco County Septic Tank Abatement Feasibility Study in the Weeki Wachee Springshed</td>
<td>L</td>
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</table>

Tampa Bay Region Total: $57,097,207 $61,618,757
<table>
<thead>
<tr>
<th>Project No. N588</th>
<th>WMP - Alafia River Watershed Management Plan Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hillsborough County</td>
<td>FY2018</td>
</tr>
</tbody>
</table>

**Risk Level:** Type 3

**Multi-Year Contract:** Yes, 3 of 3

### Description

**Description:** Watershed Management Plan (WMP) and model update, floodplain delineation and Best Management Practices (BMP) alternative analysis for the Alafia River Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates. The existing WMP and model are based on 2006 land use data. FY2018 funding will be used to complete the floodplain analysis, peer review and alternative analysis.

**Measurable Benefit:** The contractual Measurable benefit will be a WMP and model update, floodplain delineation and BMP alternative analysis for the Alafia River Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates.

### Costs:

- Total project cost $1,000,000
- Hillsborough County $500,000
- District $500,000 with $350,000 budgeted in previous years and $150,000 requested in FY2018.

### Evaluation

**Application Quality:** High
- Application included all the required information identified in the CFI Guidelines.

**Project Benefit:** Medium
- Identification of flooding problems that exist in the watershed and solutions. Currently, flood analysis models are available and are from 5 to 10 years old, and the watershed includes regional or intermediate stormwater systems.

**Cost Effectiveness:** High
- Cost is $4,000 or less/sq. mi.

**Past Performance:** Medium
- Based on an assessment of the schedule and budget for the 10 ongoing projects.

**Complementary Efforts:** High
- Cooperator's Community Rating System class is 5 and is in the 5 or better range.

**Project Readiness:** High
- The project is ongoing and on schedule.

### Strategic Goals

**Strategic Goals:** Medium

**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

Fund as 1A Priority.

This project updates flood risk in an area with existing detailed study information more than 5 years old. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>District</td>
<td>$350,000</td>
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<tr>
<td>Hillsborough County</td>
<td>$350,000</td>
<td>$150,000</td>
<td>$500,000</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$700,000</strong></td>
<td><strong>$300,000</strong></td>
<td><strong>$1,000,000</strong></td>
</tr>
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</table>
### Description

Design, permitting, and construction to improve the existing drainage system for the 43rd Street outfall ditch near the HART headquarters facility to relieve commercial structure and street flooding. This project is for Phase 2 of the regional project which consists of constructing the outfall of the system to the Bay. FY2018 funding will be used to complete construction of conveyance improvements to convey treated runoff from the 40th Street pond (Phase 1 - N506) southward to the receiving system near 7th Avenue. A stormwater study and model were completed to evaluate this project in 2012.

### Measurable Benefit

The contractual Measurable Benefit will be to construct conveyance improvements, in accordance with the final permitted design plans.

### Costs

- **Total project cost**: $4,100,000; (Design, permitting and construction)
- **City of Tampa**: $2,050,000; (Includes $57,000 of land acquisition costs as funding match) District $2,050,000 with $1,650,000 budgeted in previous years and $400,000 requested in FY2018.

### Evaluation

- **Application Quality**: High
  - Application included all the required information identified in the CFI Guidelines.
- **Project Benefit**: High
  - The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.
- **Cost Effectiveness**: Medium
  - Costs are based on design. Engineers costs estimates appear to be reasonable based on available information.
- **Past Performance**: High
  - Based on an assessment of the schedule and budget for the 6 ongoing projects.
- **Complementary Efforts**: Medium
  - Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.
- **Project Readiness**: High
  - The project is ongoing and on schedule.

### Strategic Goals

- **Medium**
  - **Strategic Initiative - Floodplain Management**: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

Fund as 1A Priority.

This is an ongoing project which provides flood protection for structures and streets during the 25 year event. Project is Phase 2 of the regional improvement plan within the watershed.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future</th>
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<tbody>
<tr>
<td>District</td>
<td>$1,650,000</td>
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<tr>
<td>City of Tampa</td>
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<td><strong>Total</strong></td>
<td>$3,300,000</td>
<td>$800,000</td>
<td>$0</td>
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</table>
Project No. N665  Purified Reclaimed Water - Clearwater Groundwater Replenishment Project Phase 3
City of Clearwater  FY2018

**Risk Level:** Type 2  
**Multi-Year Contract:** Yes, Year 4 of 7

**Description**
The project consists of design, third party review, permitting and construction for the full-scale water purification plant, and the injection and monitor well systems at Clearwater's Northeast Water Reclamation Facility to recharge 2.4 mgd annual average of purified reclaimed water.

**Measurable Benefit:**
The contractual Measurable Benefit will be to recharge 2.4 mgd annual average of purified reclaimed water to the Upper Floridan aquifer.

**Costs:**
Total project cost: $32,716,000 (Design, third party review, permitting, and construction)  
City of Clearwater share: $16,358,000  
District share: $16,358,000, with $3,685,600 budgeted in previous years, $8,000,000 requested in FY18 and $4,672,400 in future funding.

**Application Quality:** High  
**Project Benefit:** High  
**Cost Effectiveness:** Medium  
**Past Performance:** High  
**Complementary Efforts:** High  
**Project Readiness:** High

**Evaluation**
Application included all the required information in the CFI Guidelines.

The project will beneficially recharge 2.4 mgd of purified water into the Upper Floridan aquifer on an annual average basis. Aquifer recharge will improve groundwater levels in the NTBWUCA, reduce the effects of saltwater intrusion, and increase the City's future water supply potential.

The capital cost for this project is $13.63 per gpd of water treated and injected into the Upper Floridan aquifer compared to the $10 - $15 range for Total Capital Cost/gpd of water resource benefit.

Based on an assessment of the schedule and budget of the 7 ongoing projects.

Cooperator has a program in place that includes metering and an incentive based reuse rate structure for high volume users and has proactive reclaimed expansion policies which maximize utilization and environmental benefits.

Project is ongoing and on schedule.

**Strategic Goals**
High

**Strategic Initiative - Alternative Water Supplies:** Increase development of alternative sources of water to ensure groundwater and surface water sustainability.

**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.

**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.

**Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

**Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

**Overall Ranking and Recommendation**
This ongoing project will provide for cost effective aquifer replenishment of water levels in the NTBWUCA. The City’s third party review and current project cost were approved by the Governing Board in 2016.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future FY2018</th>
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<tbody>
<tr>
<td>District</td>
<td>$3,685,600</td>
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<td>$4,672,400</td>
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<tr>
<td>City of Clearwater</td>
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<td><strong>Total</strong></td>
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<td><strong>$16,000,000</strong></td>
<td><strong>$9,344,800</strong></td>
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</table>
**Project No. N700**

**WMP - Hillsborough River/Tampa Bypass Canal WMP Update**

**Hillsborough County**

<table>
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<tr>
<th>Risk Level:</th>
<th>Type 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Year Contract:</td>
<td>Yes, 3 of 3</td>
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</table>

**Description**

Watershed Management Plan (WMP) and model update, floodplain delineation, and Best Management Practices (BMP) alternative analysis for the Hillsborough River/Tampa Bypass Canal Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates. The existing WMP and model are based on 2007 land use data. FY2018 funding will be used to complete the watershed management plan, floodplain analysis, and alternative analysis.

**Measurable Benefit:**

The contractual Measurable Benefit will be the completion of a WMP and model update, floodplain delineation and BMP alternative analysis for the Hillsborough River/Tampa Bypass Canal Watershed in Hillsborough County using digital topographical information, ERP data, and land use updates.

**Costs:**

Total project cost: $1,000,000;
- Hillsborough County: $500,000;
- District: $500,000 with $350,000 budgeted in previous years and $150,000 requested in FY2018.

**Evaluation**

<table>
<thead>
<tr>
<th>Application Quality:</th>
<th>High</th>
<th>Application included all the required information identified in the CFI Guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit:</td>
<td>Medium</td>
<td>Identification of flooding problems that exist in the watershed and solutions. Currently, flood analysis models are available and are from 5 to 10 years old, and the watershed includes regional or intermediate stormwater systems.</td>
</tr>
<tr>
<td>Cost Effectiveness:</td>
<td>Medium</td>
<td>Project cost per square mile is below the mid-range of historic costs (between $4,001 and $6,000) for WMP updates, floodplain determination, and BMP alternative analysis.</td>
</tr>
<tr>
<td>Past Performance:</td>
<td>Medium</td>
<td>Based on an assessment of the schedule and budget for the 10 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts:</td>
<td>High</td>
<td>Cooperator's Community Rating System class is 5 and is in the 5 or better range.</td>
</tr>
<tr>
<td>Project Readiness:</td>
<td>High</td>
<td>The project is ongoing and on schedule.</td>
</tr>
</tbody>
</table>

**Strategic Goals**

| Strategic Goals: | Medium | Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. |

**Overall Ranking and Recommendation**

Fund as 1A Priority. This project updates flood risk in an area with existing detailed study information more than 5 years old. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
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<tr>
<td>Hillsborough County</td>
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<td>$0</td>
<td>$500,000</td>
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<tr>
<td>Total</td>
<td>$700,000</td>
<td>$300,000</td>
<td>$0</td>
<td>$1,000,000</td>
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</table>
### Description

**Description:** Design, permitting, and construction of nutrient separating baffle boxes and stormwater conveyance improvements to provide stormwater treatment for an area that currently has no water quality infrastructure and to alleviate localized street flooding. District funding is to complete design, permitting and construction.

**Measurable Benefit:** The Measurable Benefit, which will be the contractual requirement, is the construction of LID and conveyance BMP's to treat and reduce flooding from approximately 64 acres of high density residential stormwater runoff.

**Costs:** Total project cost $6,426,000 (Design, permitting, construction)

- Cooperator share $3,213,000
- District $3,213,000 with $2,112,500 budgeted in previous years, $1,100,500 requested in FY2018

### Evaluation

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>High</th>
<th>Application included all of the required information identified in the CFI guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit</td>
<td>Medium</td>
<td>The Resource Benefit of the project is the reduction of pollutant loads to Boca Ciega Bay by an estimated 9 lbs/year TP, 59 lbs/year TN, and 7733 lbs/year TSS and reduction of flooding up to the 25 year/24 hour storm event.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>Medium</td>
<td>The estimated cost/lb of TN, TP and TSS, based on preliminary information, are above the historical average of $646/lb, $4,715/lb, and $20/lb respectively, and cost/acre treated is above the historical average cost of $46,947/acre treated for coastal/LID water quality projects. The cost effectiveness is solely an analysis of the estimated project cost as compared to the costs of similar projects. With consideration of flood protection benefits, the project cost effectiveness is ranked as Medium.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for the 3 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>High</td>
<td>Applicant has an active storm water utility that collects fees.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>The project is ongoing and on schedule.</td>
</tr>
</tbody>
</table>

### Strategic Goals

**Strategic Goals:** High

**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.

**Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

### Overall Ranking and Recommendation

This project will improve water quality discharging to Boca Ciega Bay and Tampa Bay, a SWIM priority water body, and will also provide some flood protection benefits for a City evacuation route. The City's third party review and current project cost were approved by the Governing Board on August 30, 2016.

### Funding

<table>
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<th>Funding Source</th>
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<td>$3,213,000</td>
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<td>Project No. N713</td>
<td>WMP - Pemberton Baker Watershed Management Plan Update</td>
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<tr>
<td>Hillsborough County</td>
<td>FY2018</td>
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</tbody>
</table>

**Risk Level:** Type 3  
**Multi-Year Contract:** Yes, 2 of 2

### Description

- **Description:** Watershed Management Plan (WMP) and model update, floodplain delineation, and Best Management Practices (BMP) alternative analysis for the Pemberton/Baker Canal Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates. The existing WMP and model are based on 2008 land use data. FY2018 funding will be used to complete the WMP, floodplain delineation, and alternative analysis.

- **Measurable Benefit:** The contractual Measurable Benefit will be the completion of a WMP and model update, floodplain delineation, and BMP alternative analysis for the Pemberton/Baker Canal Watershed in Hillsborough County using digital topographical information, ERP data, and land use updates.

### Costs

- **Total project cost:** $400,000  
  - Hillsborough County: $200,000  
  - District: $200,000 with $100,000 requested in previous years and $100,000 requested in FY2018.

### Evaluation

- **Application Quality:** High  
  - Application included all the required information identified in the CFI Guidelines.

- **Project Benefit:** Medium  
  - Identification of flooding problems that exist in the watershed and solutions. Currently, flood analysis models are available and are from 5 to 10 years old, and the watershed includes regional or intermediate stormwater systems.

- **Cost Effectiveness:** Medium  
  - Project cost per square mile is below the mid-range of historic costs (between $4,001 and $6,000) for WMP updates, floodplain determination, and BMP alternative analysis.

- **Past Performance:** Medium  
  - Based on an assessment of the schedule and budget for the 10 ongoing projects.

- **Complementary Efforts:** High  
  - Cooperator's Community Rating System class is 5 and is in the 5 or better range.

- **Project Readiness:** High  
  - The project is ongoing and on schedule.

### Strategic Goals

- **Strategic Goals:** Medium  
  - **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

- **Fund as 1A Priority:** This project updates flood risk in an area with existing detailed study information more than 5 years old. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

### Funding

<table>
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<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
<th>Total</th>
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<tr>
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<td><strong>Total</strong></td>
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<td>$0</td>
<td>$400,000</td>
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</table>
### Project No. N730

**City of St. Petersburg**

**Risk Level:** Type 3  
**Multi-Year Contract:** Yes, Year 3 of 3

### Description

**Description:** Design, permitting and construction to provide drainage and water quality improvements that will alleviate flooding within the Childs Park Neighborhood in the vicinity of 8th Avenue South and 44th Street. FY2018 funding will be used for construction. This project is for Phase II of the City’s Stormwater Master Plan Project E-2-1 and has an approved conceptual permit.

**Measurable Benefit:** The contractual Measurable Benefit will be to upgrade the existing drainage conveyance system to convey runoff from 14.2 acres of highly urbanized land use through a baffle box BMP.

**Costs:**  
Total project cost: $5,270,000 (Design, permitting, and construction)  
City of St. Petersburg: $2,635,000  
District: $2,635,000 with $1,422,500 budgeted in previous years and $1,212,500 requested in FY2018.

### Evaluation

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>High</th>
<th>Application included all the required information identified in the CFI Guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit</td>
<td>High</td>
<td>Structure and street flooding occurs in the project area, the project impacts the regional or intermediate drainage system, and the Resource Benefit of this flood protection project will reduce the existing flooding problem during the 10-year, 1-hour storm event.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>Medium</td>
<td>Costs are based on initial design. Costs appear to be reasonable based on available information.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for the 8 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>High</td>
<td>Cooperator’s Community Rating System class is 5 and is in the 5 or better range.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>The project is ongoing and on schedule.</td>
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</tbody>
</table>

### Strategic Goals

**Strategic Goals:** High  
**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.  
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

Fund as 1A Priority. This is an ongoing project which provides flood protection for structures and streets in the Childs Park Neighborhood. This project will also provide water quality improvements to Clam Bayou Creek.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
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<td>District</td>
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<td>$1,212,500</td>
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<tr>
<td>City of St. Petersburg</td>
<td>$1,422,500</td>
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<td>Project No. N743</td>
<td>Reclaimed Water-Pasco Co. Starkey Ranch Reclaimed Water Transmission Phase B</td>
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<td><strong>Risk Level:</strong></td>
<td>Type 2</td>
<td>Multi-Year Contract:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Yes, Year 3 of 3</td>
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</tbody>
</table>

**Description**

Design, permitting and construction of approximately 17,500 feet of 12 to 16-inch reclaimed water transmission mains and other necessary appurtenances to provide reclaimed water to mixed-use irrigation customers (residential, commercial and civic) in the Starkey Ranch development.

**Measurable Benefit:** The Measurable Benefit, which will be the contractual requirement is the supply of 0.41 mgd of reclaimed water for irrigation to mixed-use customers in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).

**Costs:** Total project cost $1,910,000 (Design, permitting, construction);
Pasco County share: $955,000;
District share: $955,000; $601,000 budgeted in previous years, $354,000 requested in FY2018.

**Evaluation**

**Application Quality:** High
Application included all of the required information identified in the CFI guidelines.

**Project Benefit:** High
The supply of 0.41 mgd of reclaimed water in the NTBWUCA.

**Cost Effectiveness:** High
$6.16 per gallon per day capital costs which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $1.49 per thousand gallons of water resource benefit, which is within the average cost range for reuse projects which typically range from a low of $0.15/1,000 gpd for golf course projects up to ~$10.00/1,000 gpd for residential projects.

**Past Performance:** High
Based on an assessment of the schedule and budget for 12 ongoing projects.

**Complementary Efforts:** High
Pasco County reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.

**Project Readiness:** High
Project is ongoing and on schedule.

**Strategic Goals**

**Strategic Goals:** High
Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.

**Overall Ranking and Recommendation**

This ongoing project is recommended for funding as it reduces reliance on traditional sources in the NTBWUCA and is cost effective.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future FY2018</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Pasco County</td>
<td>$601,000</td>
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<tr>
<td>District</td>
<td>$601,000</td>
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<td>$955,000</td>
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<tr>
<td><strong>Total</strong></td>
<td>$1,202,000</td>
<td>$708,000</td>
<td>$1,910,000</td>
</tr>
</tbody>
</table>
Risk Level: Type 3  Multi-Year Contract: Yes, 3 of 6

Description
This project is for design, permitting and construction to improve the existing drainage system for the Dale Mabry Highway and Henderson Boulevard area in the City of Tampa to relieve commercial and street flooding. An alternative analysis was completed in 2012 and identified this project as a preferred alternative. Funding was approved in FY16 for 30% design and third party review. The District required a third party review because the conceptual construction estimate is greater than $5 million dollars. The FY18 funding request is for construction.

Measurable Benefit:
The contractual Measurable Benefit will be completion of design, permitting and construction of the drainage conveyance system BMP’s to reduce flooding in approximately 533 acres of highly urbanized basin.

Costs:
Total project cost: $40,000,000 (design, permitting and construction; design/build)
City of Tampa: $20,000,000
District $20,000,000 with $1,000,000 budgeted in previous years, $4,000,000 requested in FY18 and $15,000,000 anticipated to be requested in future years

Evaluation
Application Quality: High
The application included all the required information identified in the CFI Guidelines.

Project Benefit: High
The Resource Benefit of this project will reduce the existing flooding problem during the 2.33 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.

Cost Effectiveness: Medium
Benefit/Cost ratio is less than 1 but greater than or equal to 0.7.

Past Performance: High
Based on an assessment of the schedule and budget for the 6 ongoing projects.

Complementary Efforts: Medium
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

Project Readiness: High
The project is ongoing and on schedule.

Strategic Goals
Strategic Goals: Medium
Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation
Fund as 1A Priority.
The City is anticipated to complete the 30% design and third party review by December 2017. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the third party review, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY18 funding for construction. If constructed, this project will provide flood protection for structures and streets during the 2.33-year, 24-hour storm event. Project area serves as the main evacuation route for South Tampa.

Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future</th>
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</tr>
</thead>
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<tr>
<td>City of Tampa</td>
<td>$1,000,000</td>
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<td>$2,000,000</td>
<td>$8,000,000</td>
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</table>
### Description

Modeling and evaluation of reclaimed water recharge sites in eastern Hillsborough County to provide MFL benefits in the Dover/Plant City, Northern Tampa Bay and Southern Water Use Caution Area (NTBWUCA / SWUCA).

The contractual Measurable Benefit will be the evaluation of MFL benefits of several reclaimed water recharge options to utilize up to 25 mgd.

#### Costs:
- **Total Project Cost:** $900,000 (study);
- **Hillsborough County share:** $450,000;
- **District share:** $450,000, with $250,000 budgeted in previous years and $200,000 requested in FY2018.

### Evaluation

- **Application Quality:** High
  - Application included the required information identified in the CFI guidelines.
- **Project Benefit:** High
  - Study will provide data to evaluate the potential benefits of up to 25 mgd of reclaimed water recharge options within the Dover/Plant City, Northern Tampa Bay and SWUCA.
- **Cost Effectiveness:** High
  - Study costs are comparable to costs associated with similar District funded studies such as N287 Hillsborough Aquifer Recharge with Reclaimed Water in MIA/SWUCA.
- **Past Performance:** Medium
  - Based on an assessment of the schedule and budget for the 10 ongoing projects.
- **Complementary Efforts:** High
  - Cooperator has a program in place that includes metering, incentivized reuse rate structures for high volume users and has pro-active reclaimed water expansion policies which maximize utilization and environmental benefits.
- **Project Readiness:** High
  - Project is ongoing and on schedule.

### Strategic Goals

- **Strategic Goals:** High
  - **Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.
  - **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.
  - **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

### Overall Ranking and Recommendation

This ongoing project is recommended for funding as it will provide valuable site specific reclaimed recharge data in the Dover/Plant City, Northern Tampa Bay and SWUCA and is cost effective. Fund as 1A Priority.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future FY2018</th>
<th>Total</th>
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</thead>
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<tr>
<td>District</td>
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<td>Hillsborough County</td>
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<td><strong>Total</strong></td>
<td><strong>$500,000</strong></td>
<td><strong>$400,000</strong></td>
<td><strong>$900,000</strong></td>
</tr>
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</table>
Project No. N770  |  SW IMP - Flood Protection - Pent Street/Grosse Avenue Flooding Abatement
Tarpon Springs  |  FY2018

**Description**
- **Risk Level:** Type 3
- **Multi-Year Contract:** Yes, Year 2 of 2
- **Description:** This project is the design, permitting, and construction of a new stormwater management facility (SMF) located at the northeast corner of Grosse Avenue and Cypress Street, expansion of the existing SMF currently serving Tarpon Springs Element School located at the northwest corner of Levis Avenue and Pine Street, and installation of associated stormwater collection systems. Due to lack of stormwater infrastructure, the project area has experienced severe roadway flooding, including a hurricane evacuation route, and structure flooding problems. FY18 funding will be used for construction.
- **Measurable Benefit:** The contractual Measurable Benefit will be construction of one new and one expanded SMFs and associated stormwater collection systems.
- **Costs:** Total project cost: $904,998 (design, permitting, and construction)
  - City of Tarpon Springs: $452,500
  - District: $452,498, with $64,088 budgeted in previous year and $388,410 requested in FY18.

**Evaluation**
- **Application Quality:** High
- **Project Benefit:** High
- **Cost Effectiveness:** Medium
- **Past Performance:** High
- **Complementary Efforts:** Medium
- **Project Readiness:** High

The Resource Benefit of this project will reduce the existing flooding problem during the 25-year, 24-hour storm event. Structure and street flooding current occurs in the project area and the project impacts the City's primary stormwater collection/treatment systems.

**Costs are based on preliminary design. Engineer's costs estimates appear to be reasonable based on available information or are similar when compared to similar projects.**

**Past Performance:** Based on an assessment of the schedule and budget for the 1 ongoing project.

**Complementary Efforts:** Cooperator’s Community Rating System class is 7 and is in the 6 to 9 range.

**Project Readiness:** Project is ongoing and on schedule.

**Strategic Goals**
- **Strategic Goals:** High
- **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.
- **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**
- **Fund as 1A Priority:** The project will provide flood protection for streets and structures during the 25-year, 24-hour storm event and provide net improvement to water quality of an impaired waterbody.

**Funding**

<table>
<thead>
<tr>
<th>District</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
<th>Total</th>
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<tr>
<td>$64,088</td>
<td>$388,410</td>
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<table>
<thead>
<tr>
<th>Tarpon Springs</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
<th>Total</th>
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<tbody>
<tr>
<td>$64,089</td>
<td>$388,411</td>
<td>$0</td>
<td>$452,500</td>
<td></td>
</tr>
</tbody>
</table>

| Total | $128,177 | $776,821 | $0 | $904,998 |
**Project No. N782**  
**Tarpon Springs**  
**SW IMP - Flood Protection - Highland/Jasmine Avenue Flooding Abatement**

### Description

**Project No. N782**  
**Tarpon Springs**  
**SW IMP - Flood Protection - Highland/Jasmine Avenue Flooding Abatement**

**Type 3**  
**Multi-Year Contract:** Yes, Year 2 of 2

### Measurable Benefit

The contractual Measurable Benefit will be construction of expanded SMFs and the outfall into Lake Tarpon.

### Costs

**Total project cost:** $281,340 (design, permitting, and construction)  
City of Tarpon Springs: $140,670  
District: $140,670, with $85,870 budgeted in previous year and $54,800 requested in FY18.

### Evaluation

<table>
<thead>
<tr>
<th><strong>Application Quality</strong></th>
<th>High</th>
<th>Application included all of the required information identified in the CFI guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Project Benefit</strong></td>
<td>High</td>
<td>The Resource Benefit of this project will reduce the existing flooding problem during the 25-year, 24-hour storm event. Structure and street flooding current occurs in the project area and the project impacts the City's primary stormwater collection/treatment systems.</td>
</tr>
<tr>
<td><strong>Cost Effectiveness</strong></td>
<td>Medium</td>
<td>Costs are based on preliminary design. Engineer's costs estimates appear to be reasonable based on available information or are similar when compared to similar projects.</td>
</tr>
<tr>
<td><strong>Past Performance</strong></td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for the 1 ongoing project.</td>
</tr>
<tr>
<td><strong>Complementary Efforts</strong></td>
<td>Medium</td>
<td>Cooperator’s Community Rating System class is 7 and is in the 6 to 9 range.</td>
</tr>
<tr>
<td><strong>Project Readiness</strong></td>
<td>High</td>
<td>Project is ongoing and on schedule.</td>
</tr>
</tbody>
</table>

### Strategic Goals

**Strategic Goals:** High  
**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.  
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.  
**Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

### Overall Ranking and Recommendation

The project will provide flood protection for streets and structures during the 25-year, 24-hour storm event and provide net improvement to water quality of impaired waterbody.

### Funding

<table>
<thead>
<tr>
<th><strong>Funding Source</strong></th>
<th><strong>Prior</strong></th>
<th><strong>FY2018</strong></th>
<th><strong>Future</strong></th>
<th><strong>Total</strong></th>
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<td>District</td>
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<td>$85,870</td>
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<td><strong>Total</strong></td>
<td>$171,740</td>
<td>$109,600</td>
<td>$0</td>
<td>$281,340</td>
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</table>
**Project No. N791**  
**Reclaimed Water - Pasco Starkey Ranch Reclaimed Water Transmission Project - Phase C**

**Pasco County**  
**Risk Level:** Type 2  
**Multi-Year Contract:** Yes, Year 2 of 3

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### Description

**Description:** Design, permitting and construction of approximately 5,700 feet of 12 to 16-inch reclaimed water transmission mains and other necessary appurtenances to supply residential, commercial and institutional customers in the Phase C area of the Starkey Ranch development.

**Measurable Benefit:** The Measurable Benefit, which will be the contractual requirement, is the supply of 0.29 mgd of reclaimed water for irrigation to mixed-use customers in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).

**Costs:** Total project cost $913,600 (Design, permitting, construction); Pasco County Cost $456,800; District Cost $456,800, with $336,661 budgeted in FY2017, $11,266 requested in FY2018, and $108,873 will be requested in future years.

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### Evaluation

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>High</th>
<th>Application included all of the required information identified in the CFI guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit</td>
<td>High</td>
<td>The supply of 0.29 mgd of reclaimed water in the NTBWUCA.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>High</td>
<td>$4.19 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost/benefit is $1.01 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to ~$10.00/1,000 gallons for residential projects.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for 12 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>High</td>
<td>Pasco County’s reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>Project is ongoing and on schedule.</td>
</tr>
</tbody>
</table>

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### Strategic Goals

| Strategic Goals | High | **Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.  
**Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies. |
|-----------------|------|--------------------------------------------------------------------------------|

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### Overall Ranking and Recommendation

Fund as 1A Priority. This ongoing project is recommended for funding as it reduces reliance on traditional sources in the NTBWUCA and is cost effective.

---

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future</th>
<th>Total</th>
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<tbody>
<tr>
<td>Pasco County</td>
<td>$336,661</td>
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<td>$108,873</td>
</tr>
<tr>
<td>District</td>
<td>$336,661</td>
<td>$11,266</td>
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<td><strong>Total</strong></td>
<td><strong>$673,322</strong></td>
<td><strong>$22,532</strong></td>
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</table>
### Description

**Project No. N792**  
**Pasco County**  
**Reclaimed Water - Pasco County River Edge Golf Course and Waters Edge Residential Reclaimed Water Project**  
**Type 2**  
**Multi-Year Contract:** Yes, Year 2 of 2

**Description:** Design, permitting and construction of approximately 19,000 feet of 16-inch reclaimed transmission mains and other necessary appurtenances to supply a golf course and residential community with reclaimed water in the west central area of Pasco County.

**Measurable Benefit:** The Measurable Benefit, which will be the contractual requirement, is the supply of 0.40 mgd of reclaimed water for irrigation to a golf course and residential customers in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).

**Costs:** Total project cost $2,500,000 (design, permitting, and construction); Pasco County share: $1,250,000; District share: $1,250,000; $200,000 budgeted in FY2017, and the remaining $1,050,000 is requested in FY2018.

### Evaluation

**Application Quality:** High  
Application included all of the required information identified in the CFI guidelines.

**Project Benefit:** High  
The supply of 0.40 mgd of reclaimed water in the NTBWUCA.

**Cost Effectiveness:** Medium  
$10.41 per gallon per day capital costs which is within the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $2.51 per thousand gallons of water resource benefit, which is within the average cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to ~$10.00/1,000 gallons for residential projects.

**Past Performance:** High  
Based on an assessment of the schedule and budget for 12 ongoing projects.

**Complementary Efforts:** High  
Pasco County reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.

**Project Readiness:** High  
Project is ongoing and on schedule.

### Strategic Goals

**Strategic Goals:** High  
**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.

**Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

### Overall Ranking and Recommendation

This ongoing project is recommended for funding as it reduces reliance on traditional sources in the NTBWUCA and is cost effective.

### Funding

<table>
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<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>FY2018</th>
<th>Future</th>
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<tr>
<td>Total</td>
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<td>$2,100,000</td>
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<td>$2,500,000</td>
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</table>
Project No. N803  
WMP - Anclote River Watershed Management Plan  
Pinellas County  

**Risk Level:** Type 3  
**Multi-Year Contract:** Yes, Year 2 of 3

### Description
Complete a Watershed Management Plan (WMP) for the Anclote River Watershed in Pinellas County, through and including floodplain analysis, Level of Service determination (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practices (BMPs) Alternative Analysis. FY2018 funding will be used to complete the Watershed Evaluation and start the Floodplain Analysis.

### Measurable Benefit
The contractual Measurable Benefit will be the completion of a WMP that identifies floodplain, establishes level of service, evaluates BMPs to address level of service deficiencies, and provides a geodatabase with projected results from watershed model simulations for floodplain management and water quality management.

### Costs
Total project cost: $800,000  
Pinellas County: $400,000  
District: $400,000 with $150,000 budgeted in previous years, $150,000 requested in FY2018 and $100,000 anticipated in future years.

### Evaluation
**Application Quality:** High (Application included all the required information identified in the CFI Guidelines).

**Project Benefit:** High (The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available and the watershed includes regional or intermediate stormwater systems.)

**Cost Effectiveness:** Low (Project cost per square mile is in the high-range of historic costs (more than $50,000/sq mi) for WMPs completed in urban watersheds.)

**Past Performance:** Medium (Based on an assessment of the schedule and budget for the 4 ongoing projects.)

**Complementary Efforts:** High (Cooperator’s Community Rating System class is 5 and is in the 5 or better range.)

**Project Readiness:** High (The project is ongoing and on schedule.)

### Strategic Goals
**Strategic Goals:** High  
**Strategic Initiative - Water Quality Assessment and Planning:** Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.  
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation
**Fund as 1A Priority.** This project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future FY2018</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$150,000</td>
<td>$150,000</td>
<td>$400,000</td>
</tr>
<tr>
<td>Pinellas County</td>
<td>$150,000</td>
<td>$100,000</td>
<td>$400,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$300,000</strong></td>
<td><strong>$200,000</strong></td>
<td><strong>$800,000</strong></td>
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</tbody>
</table>
## Project No. N804

### Reclaimed Water - Hillsborough County Reclaimed Water Sun City Golf Course Expansion

#### Risk Level:
Type 2

#### Multi-Year Contract:
Yes, Year 2 of 2

### Description

#### Description:
Construction of approximately 15,500 feet of 6 to 16-inch reclaimed water transmission mains and other necessary appurtenances to provide an alternative supply for the irrigation of seven golf courses located at Sun City Center in Hillsborough County.

#### Measurable Benefit:
The Measurable Benefit, which will be the contractual requirement, is the supply of 2.0 mgd of reclaimed water to seven existing golf courses located within the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA).

#### Costs:
- **Total Project Cost:** $4,500,000 (Construction only);
- **Hillsborough County share:** $2,250,000;
- **District share:** $2,250,000, with $1,125,000 budgeted in FY2017 and $1,125,000 requested in FY2018.

### Evaluation

#### Application Quality:
High

#### Project Benefit:
High

#### Cost Effectiveness:
High

$3.07 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $0.74 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to $10.00/1,000 gallons for residential projects.

#### Past Performance:
Medium

Based on an assessment of the schedule and budget for 10 ongoing projects.

#### Complementary Efforts:
High

Hillsborough County’s reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.

#### Project Readiness:
Medium

Project is expected to begin on or before March 1, 2017

### Strategic Goals

#### Strategic Goals:
High

**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.

**Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

**Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

### Overall Ranking and Recommendation

This project is recommended for funding as it reduces reliance on traditional supplies in the MIA of the SWUCA.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future FY2018</th>
<th>Total</th>
<th>Future</th>
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<tbody>
<tr>
<td>Hillsborough County</td>
<td>$1,125,000</td>
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<td><strong>$4,500,000</strong></td>
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</tr>
</tbody>
</table>
### Description

**Design:** Design, permitting and construction of approximately 2,600 feet of 6 to 10-inch reclaimed water transmission mains and other necessary appurtenances to provide an alternative supply for the irrigation of two golf courses located at the Tournament Players Club and the Summertree Crossings Golf Club.

**Measurable Benefit:** The Measurable Benefit, which will be the contractual requirement, is the supply of 0.15 mgd of reclaimed water at two golf courses located respectively within the Northern Tampa Bay Water Use Caution Area (NTBWUCA) and within the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA).

### Costs

**Total Project Cost:** $1,000,000 (Design, Permitting and Construction);
- **Hillsborough County share:** $500,000;
- **District share:** $500,000 with $250,000 budgeted in FY2017 and $250,000 requested in FY2018.

### Evaluation

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>Medium</th>
<th>Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit</td>
<td>High</td>
<td>The supply of 0.15 mgd of reclaimed water in the SWUCA and NTBWUCA.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>Medium</td>
<td>$11.11 per gallon per day capital cost which is within the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $2.68 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to ~$10.00/1,000 gallons for residential projects. Although the project appears cost effective, the project costs are above the range for similarly funded District projects.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>Medium</td>
<td>Based on an assessment of the schedule and budget for 10 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>High</td>
<td>Hillsborough County’s reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>Project is ready to begin on or before December 1, 2016.</td>
</tr>
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</table>

### Strategic Goals

**Strategic Goals:** High

**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.

**Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

**Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

### Overall Ranking and Recommendation

**Fund as 1A Priority:** Project is recommended for funding as it reduces reliance on traditional sources in the NTBWUCA and the MIA of the SWUCA.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
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</table>
## Project No. N828

SW IMP - Water Quality - McKay Creek Water Quality Improvements near Hickory Lane

**Pinellas County**

### Risk Level:
Type 2

### Multi-Year Contract:
Yes, Year 2 of 2

### Description

**Description:** Construction of stormwater BMPs to improve water quality in McKay Creek located in Pinellas County. The County will be using land acquisition costs as part of their funding match for construction.

**Measurable Benefit:** The contractual Measurable Benefit will be the construction of stormwater BMPs to treat approximately 3,824 acres of highly urbanized stormwater runoff. There will be no monitoring or performance testing requirements.

**Costs:**
- Total project cost: $600,000 (Land acquisition and construction)
- Pinellas County share: $200,000 (includes $125,000 for land acquisition)
- FDOT share: $200,000
- District: $200,000 with $100,000 budgeted in previous years, and $100,000 requested in FY2018.

### Evaluation

**Application Quality:** Medium
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

**Project Benefit:** High
The Resource Benefit of this water quality project is the reduction of pollutant loads by an estimated 6,301 lb/yr TSS, and 157 lb/yr TN.

**Cost Effectiveness:** High
The estimated cost/lb of TSS and TN removed is lower than the historical average of $12/lb TSS and $224/lb TN, and the cost/acre treated is below the historical average cost of $8,050/acre treated for Urban/Suburban projects.

**Past Performance:** Medium
Based on an assessment of the schedule and budget for the 4 ongoing projects.

**Complementary Efforts:** High
The County has an active stormwater utility that collects fees.

**Project Readiness:** High
Project is on schedule and budget.

### Strategic Goals

**Strategic Goals:** Medium
**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.

### Overall Ranking and Recommendation

**Fund as 1A Priority:** This ongoing project has an effective sediment and nutrient removal cost, and will continue efforts by the County to reduce stormwater impacts to McKay Creek.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
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</table>
**Project No. W216**

**Madeira Beach**

<table>
<thead>
<tr>
<th>Risk Level:</th>
<th>Type 3</th>
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</thead>
<tbody>
<tr>
<td>Multi-Year Contract:</td>
<td>Yes, Year 2 of 2</td>
</tr>
</tbody>
</table>

### Description
- **Description:** Design, permitting, and construction of stormwater retrofit BMPs in City of Madeira Beach to improve water quality.
- **Measurable Benefit:** The contractual Measurable Benefit is the construction of LID BMPs to treat approximately 6.73 acres of highly urbanized stormwater runoff. There will be no monitoring or performance testing requirements.

### Costs:
- **Total project cost:** $935,000 (Design, permitting, construction)
  - City of Madeira Beach share: $467,500
  - District share: $467,500, with $207,500 budgeted in previous years, and $260,000 requested in FY2018.

### Evaluation
- **Application Quality:** High
- **Project Benefit:** Medium
- **Cost Effectiveness:** Low
- **Past Performance:** High
- **Complementary Efforts:** High
- **Project Readiness:** High

### Strategic Goals
- **Strategic Goals:** High
  - **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.
  - **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

### Funding
<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
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<td>$467,500</td>
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<tr>
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<td>$467,500</td>
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<tr>
<td><strong>Total</strong></td>
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<td>$0</td>
<td>$935,000</td>
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</table>

### Overall Ranking and Recommendation
- **Fund as 1A Priority:** This ongoing project will continue efforts by the City to reduce stormwater impacts to Boca Ciega Bay and Tampa Bay.
**Description**

Construction of infrastructure to provide reclaimed water to restore approximately 200 acres of wetlands in and adjacent to Crews Lake. The FY18 funds are requested to complete construction. The FY16 funds were budgeted to complete third party preview, final design and permitting services. The FY15 funds were budgeted for 30% design, environmental monitoring, and permitting services. This project has a conceptual construction estimate greater than $5 million dollars and the District is requiring a third party review of 30% design plans to confirm construction costs and resource benefits. A feasibility study was completed by Pasco County in 2011.

**Measurable Benefit**: The contractual Measurable Benefit will be the enhancement and restoration of approximately 200 acres of freshwater wetlands.

**Costs**: Total project cost $8,497,770 (environmental monitoring, design and permitting, third party review, and construction).
- Pasco County $2,428,885
- District $4,248,885 with $365,885 budgeted in previous years, $3,883,000 requested for FY2018.

**Evaluation**

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application included all the required information identified in the CFI Guidelines</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Benefit</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>The benefit of this project is the reduction of pollutant loads to the Upper Floridan Aquifer by an estimated 54,794 lbs/year TN and will create and enhance an area of freshwater wetlands using reclaimed water.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cost Effectiveness</th>
<th>High</th>
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<tbody>
<tr>
<td>$2.36 per gallon of capital cost, which is below the $10 to $15 per gallon average for alternative supplies. The $77.54 per pound of total Nitrogen removed is below the average cost $224/lb and the $42,489 per acre restored is below the average cost of $53,326.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Past Performance</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Based on an assessment of the schedule and budget for the 12 ongoing project.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Complementary Efforts</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>The County has an active environmentally sensitive land purchase program and maintains nature parks and open spaces within the park system. The County operates Adopt-a-Pond and Adopt-a-Road programs. Additionally, Pasco County has an active stormwater utility that collects fees.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Project Readiness</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project is ready to begin on or before December 1, 2017.</td>
<td></td>
</tr>
</tbody>
</table>

**Strategic Goals**

**High**

- **Strategic Initiative - Water Quality Maintenance and Improvement**: Develop and implement programs, projects and regulations to maintain and improve water quality.
- **Strategic Initiative - Conservation and Restoration**: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration.
- **Northern Region Priority**: Improve northern coastal spring systems.

**Overall Ranking and Recommendation**

Fund as High Priority.

The County is anticipated to complete 30% design and third party review in June 2017. Contractually, the County will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the 30% design, third party review, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY18 funding to complete construction. This project will restore wetland systems in and adjacent to Crews Lake and will allow Pasco County to beneficially use reclaimed water while increasing the amount of nitrogen treatment.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
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<tr>
<td>Pasco County</td>
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<td><strong>Total</strong></td>
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<td><strong>$7,766,000</strong></td>
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</table>
Risk Level: Type 3
Multi-Year Contract: Yes, Year 3 of 3

Description:
Complete a Watershed Management Plan (WMP), Sea Level Rise (SLR), and Critical Storm Analysis for the Curlew Creek and Smith Bayou Watersheds in Pinellas County, through and including floodplain analysis, Level of Service determination (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practices (BMPs) Alternative Analysis. FY2018 funding will be used to complete the Floodplain Analysis and start the Alternative Analysis, SLR Analysis, and Critical Storm Analysis.

Measurable Benefit:
The contractual Measurable Benefit will be the development of a watershed model, floodplain analysis, and sea level rise analysis including information that is critical to better identify risk of flood damage, opportunities to improve water quality, and cost effective alternatives.

Costs:
- Total project cost: $880,000
- Pinellas County: $440,000
- District: $440,000 with $350,000 budgeted in previous years and $90,000 requested for FY2018.

Evaluation
- Application Quality: Medium
  Application included most of the required information identified in the CFI Guidelines. District PM had to work with Cooperator to obtain remaining required information.
- Project Benefit: High
  The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.
- Cost Effectiveness: Low
  Project cost per square mile is in the high-range of historic costs (more than $50,000/sq mi) for WMPs completed in urban watersheds. This is a heavily urbanized watershed.
- Past Performance: Medium
  Based on an assessment of the schedule and budget for the 4 ongoing projects.
- Complementary Efforts: High
  Cooperator's Community Rating System class is 5 and is in the 5 or better range.
- Project Readiness: High
  The project is ongoing and on schedule.

Strategic Goals
- Strategic Goals: High
  Strategic Initiative - Water Quality Assessment and Planning: Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.
  Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation
Fund as High Priority.
This is an ongoing project which identifies flood risk in an urban area with no detailed study information available. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviates flood risk and improve water quality, and enhance the planning of future development in the Curlew Creek and Smith Bayou Watersheds. The project includes a revised Scope of Work (SOW) which increases the resource benefit and project cost from what the Board has previously approved.

Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future</th>
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<tbody>
<tr>
<td>District</td>
<td>$350,000</td>
<td>$90,000</td>
<td>$440,000</td>
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<tr>
<td>Pinellas County</td>
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<tr>
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<td>$700,000</td>
<td>$180,000</td>
<td>$880,000</td>
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</table>
### Description
This project is for design, permitting and construction to improve the existing drainage system for the West Riverfront and North Hyde Park areas in the City of Tampa to relieve structure and street flooding. This project is for construction of Phase 2 of the project which extends the Phase 1 outfall which was funded solely by the City of Tampa. Funding was approved in FY17 for 30% design and third party review. The District required a third party review because the conceptual construction estimate is greater than $5 million dollars. The FY18 funding request is for design and construction.

### Measurable Benefit
The contractual Measurable Benefit will be completion of design, permitting and construction of the proposed project to construct drainage conveyance system BMP’s to reduce flooding in approximately 895 acres of highly urbanized basin.

### Costs
Total project cost: $30,000,000 (design, permitting and construction, design/build)
- City of Tampa: $15,000,000
- District $15,000,000 with $500,000 budgeted in previous years, $4,000,000 requested in FY2018 and $10,500,000 anticipated to be requested in future years.

### Application Quality
Medium
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information.

### Project Benefit
High
The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.

### Cost Effectiveness
Medium
Benefit/Cost ratio is less than 1 but greater than or equal to 0.7.

### Past Performance
High
Based on an assessment of the schedule and budget for the 6 ongoing projects.

### Complementary Efforts
Medium
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

### Project Readiness
High
Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

### Strategic Goals
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation
Fund as High Priority. The City is anticipated to complete the 30% design and third party review by December 2017. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable information from the third party review, and with the understanding that the Governing Board will need to provide approval to proceed, Staff is recommending FY18 funding for design and construction. If constructed, this project will provide flood protection for structures and streets during the 25-year, 24-hour event.

### Funding
<table>
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<tr>
<th>Funding Source</th>
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<th>FY2018</th>
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<td><strong>$21,000,000</strong></td>
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Project No. N776  
Reclaimed Water - Hillsborough County 19th Avenue Reclaimed Water Transmission Main

<table>
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<tbody>
<tr>
<td>Multi-Year Contract:</td>
<td>Yes, Year 2 of 2</td>
</tr>
</tbody>
</table>

**Description**

Construction of approximately 19,000 feet of 20 to 30-inch reclaimed water transmission mains and other necessary appurtenances to supply 2,000 residential irrigation customers in the Harbour Isle and Waterset South developments and future additional residential irrigation and recharge projects in the Apollo Beach area of the Southern Water Use Caution Area (SWUCA).

**Measurable Benefit:** The Measurable Benefit, which is the contractual requirement, is the supply of 1.20 mgd of reclaimed water for irrigation purposes in the Most Impacted Area (MIA) of the SWUCA.

**Costs:**

- Total project cost: $6,098,000 (Construction);
- Hillsborough County share: $3,049,000;
- District share: $3,049,000, with $1,000,000 budgeted in FY2017 and $2,049,000 requested in FY2018.

The project was submitted in FY2017 with a total cost of $7,045,000 ($3,552,000 District share) but the cost have been reduced by $947,000 with no change in scope.

**Evaluation**

- **Application Quality:** High
- Application included the required information identified in the CFI guidelines.

- **Project Benefit:** High
  - The supply of 1.20 mgd of reclaimed water for irrigation purposes in the Most Impacted Area of the SWUCA. The project will also allow for the future supply of up to 8.60 mgd to the South Hillsborough Area Recharge Project (SHARP/SHARE) and additional residential irrigation customers in the MIA of the SWUCA.

- **Cost Effectiveness:** Medium
  - $10.16 per gallon per day capital cost which is within the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $2.45 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to ~$10.00/1,000 gallons for residential projects. The project costs are consistent with the range of costs for similarly funded District projects.

- **Past Performance:** Medium
  - Based on an assessment of the schedule and budget for 10 ongoing projects.

- **Complementary Efforts:** High
  - The County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.

- **Project Readiness:** High
  - Project is ongoing and on schedule.

**Strategic Goals**

- **Strategic Goals:** High
  - Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.
  - Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

**Overall Ranking and Recommendation**

- Fund as High Priority.
- Project is recommended for funding as it reduces reliance on traditional water sources in the SWUCA and is cost effective. The project is not ranked 1A because the total costs have been reduced by $947,000 with no change in scope.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
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<th>FY2018</th>
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<td>Project No. N836</td>
<td>SW IMP - Flood Protection - Zephyr Creek Drainage Improvements: Units 1 &amp; 2</td>
<td>Pasco County</td>
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<td></td>
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<tr>
<td>------------------</td>
<td>-------------------------------------------------</td>
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<td></td>
<td></td>
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<tr>
<td>Risk Level:</td>
<td>Type 3</td>
<td>Multi-Year Contract:</td>
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<tr>
<td></td>
<td></td>
<td>Yes, Year 1 of 2</td>
<td></td>
<td></td>
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</tbody>
</table>

**Description**

Land acquisition, design, permitting, and construction for conveyance improvements within Units 1 and 2 of Zephyr Creek, the most downstream portions of the overall Zephyr Creek Watershed. Unit 1 consists of acquisition of floodplain easements south of Chancey Road to account for increased flood stages from upstream Unit 2 improvements. Unit 2 improvements include increased conveyance capacity for the creek system from C Avenue to US Highway 301.

**Measurable Benefit:** The contractual Measurable Benefit will be the reduction of structure and street flooding during the 100 year, 24 hour storm event through the construction of conveyance improvements within the Zephyr Creek Watershed Units 1 and 2.

**Costs:** Total project cost $2,150,000 (Land acquisition, design, permitting, construction)
Pasco County share $1,075,000
District $1,075,000 with $150,000 requested in FY2018, and $925,000 anticipated to be requested in future years.

**Evaluation**

**Application Quality:** Medium

Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.

**Project Benefit:** High

The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.

**Cost Effectiveness:** High

Benefit/cost ratio is greater than or equal to 1.

**Past Performance:** High

Based on an assessment of the schedule and budget for the 12 ongoing projects.

**Complementary Efforts:** Medium

Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

**Project Readiness:** High

Project is ready to begin on or before December 1, 2017.

**Strategic Goals**

**Strategic Goals:** Medium

**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**

This project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing conveyance improvements within the Zephyr Creek Watershed Units 1 and 2 and is cost effective.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
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</table>
Risk Level: Type 2
Multi-Year Contract: Yes, 1 of 2

Description:
Design, permitting and construction of approximately 3,000 feet of 10 to 14 inch reclaimed water transmission mains and other necessary appurtenances to supply approximately 557 single family homes, 284 multi-family homes, and approximately 15 acres of common areas in the Cypress Preserve community.

Measurable Benefit:
The Measurable Benefit, which will be the contractual requirement, is the supply of 0.19 mgd of reclaimed water to residential customers in the North Tampa Bay Water Use Caution Area (NTBWUCA).

Costs:
Total project cost: $350,000 (design, permitting, and construction);
Pasco County share: $175,000;
District share: $175,000 with 17,500 requested in FY2018 and $157,500 anticipated in future years.

Evaluation
Application Quality: High
Application included the required information identified in the CFI guidelines.

Project Benefit: High
The supply 0.19 mgd of reclaimed water to residential customers in the NTBWUCA.

Cost Effectiveness: High
$3.07 per gallon per day capital cost for the water resource benefit, which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $0.75 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to $10.00/1,000 gallons for residential projects.

Past Performance: High
Based on an assessment of the schedule and budget for 12 ongoing projects.

Complementary Efforts: High
Pasco reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.

Project Readiness: High
Project is ready to begin on or before December 1, 2017.

Strategic Goals
Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.

Overall Ranking and Recommendation
Fund as High Priority. Project provides cost effective reclaimed water supplies in the NTBWUCA.

Funding
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<td>Project No. N841</td>
<td>SW IMP - Flood Protection - Forest Hills West</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>------------------</td>
<td>---------------------------------------------</td>
<td></td>
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<tr>
<td>Pasco County</td>
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</table>

**Risk Level:** Type 2  
**Multi-Year Contract:** No

### Description
- **Description:** Construction of conveyance improvements within the western portion of the Forest Hills neighborhood and construction of additional connections and improvements to the ultimate intermediate system outfall.
- **Measurable Benefit:** The contractual Measurable Benefit will be the reduction of flooding in the 100 year, 24 hour storm event through the construction of conveyance and outfall improvements.

### Costs:
- **Total project cost:** $2,750,000 (Construction)  
  - Pasco County share: $1,375,000  
  - District: $1,375,000 with $1,375,000 requested in FY2018.

### Evaluation
- **Application Quality:** Medium  
  Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.
- **Project Benefit:** High  
  The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.
- **Cost Effectiveness:** High  
  Benefit/cost ratio is greater than or equal to 1.
- **Past Performance:** High  
  Based on an assessment of the schedule and budget for the 12 ongoing projects.
- **Complementary Efforts:** Medium  
  Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.
- **Project Readiness:** High  
  Project is ready to begin on or before December 1, 2017.

### Strategic Goals
- **Strategic Goals:** Medium  
  **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation
- **Fund as High Priority:**  
  This project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing conveyance and outfall improvements within the Forest Hills neighborhood.

### Funding

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</table>
**Project No. N844**

**WMP - Peak/Volume Sensitive GIS Database**

**Hillsborough County**

<table>
<thead>
<tr>
<th>Risk Level:</th>
<th>Type 3</th>
<th>Multi-Year Contract:</th>
<th>No</th>
</tr>
</thead>
</table>

**Description**

Completion of analyses of updated Watershed Management Plans and models to identify peak sensitive, volume sensitive and restriction location areas within Hillsborough County and creation of a geodatabase to store, manage, and access the results. These areas were initially identified in 2002 based on the County's 2001 version of 17 hydrologic/hydraulic models. Numerous model updates have been completed since 2002. The geodatabase will include restriction event, historical flooding information and master plan proposed projects. This geodatabase will be incorporated in the Watershed Management Plans that are utilized by SWFWMD Regulation staff and the County's Land Development staff for analysis during regulatory and land development review.

**Measurable Benefit:**

The contractual Measurable Benefit will be the creation of the geodatabase to identify peak sensitive, volume sensitive and restriction location areas within Hillsborough County.

**Costs:**

Total project cost $400,000

- Hillsborough County $200,000
- District $200,000 requested in FY18.

**Evaluation**

<table>
<thead>
<tr>
<th>Application Quality:</th>
<th>High</th>
<th>Application included all the required information identified in the CFI Guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit:</td>
<td>High</td>
<td>The Resource Benefit of this project will provide updated areas of concern to the SWFWMD Regulatory staff and the County's Land Development staff for review. Currently, the areas of concern were identified using the County's 2001 version 17 hydrologic/hydraulic (H/H) model which is more than 10 years old.</td>
</tr>
<tr>
<td>Cost Effectiveness:</td>
<td>High</td>
<td>Cost is $4,000 or less/sq. mi.</td>
</tr>
<tr>
<td>Past Performance:</td>
<td>Medium</td>
<td>Based on an assessment of the schedule and budget for the 10 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts:</td>
<td>High</td>
<td>Cooperator's Community Rating System class is 5 and is in the 5 or better range.</td>
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<tr>
<td>Project Readiness:</td>
<td>High</td>
<td>Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.</td>
</tr>
</tbody>
</table>

**Strategic Goals**

**Strategic Goals:** Medium

| Strategic Initiative - Floodplain Management: | Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. |

**Overall Ranking and Recommendation**

Fund as High Priority.

Project will provide necessary information to be incorporated into the Watershed Management Plans that will be used to determine areas of concern for Regulatory and County Land Development review purposes. Geodatabase will provide peak sensitive, volume sensitive and restriction location areas.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
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### Project No. N845
#### Conservation - Pasco County Florida Water Star Rebate Pilot Project

<table>
<thead>
<tr>
<th>Pasco County</th>
</tr>
</thead>
</table>

#### Risk Level:
- **Type 1**

#### Multi-Year Contract:
- **No**

#### Description:
A pilot program with financial incentives to home builders for building homes to Florida Water Star (FWS) standards and submitting proof of FWS certification for these homes. FWS homes meet specific water-efficiency criteria inside the homes in appliances and fixtures and outside the homes in landscape and irrigation design and installation. This project will provide a $700 rebate per home for home builders to assist with the additional costs associated with building and certifying approximately 100 FWS-certified homes.

#### Measurable Benefit:
The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.

#### Costs:
- Total project costs: $70,000;
  - Pasco County: $35,000;
  - District: $35,000

#### Evaluation:

<table>
<thead>
<tr>
<th>Evaluation Category</th>
<th>Rating</th>
<th>Description</th>
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<tbody>
<tr>
<td>Application Quality</td>
<td>High</td>
<td>Application included all of the required information identified in the CFI Guidelines.</td>
</tr>
<tr>
<td>Project Benefit</td>
<td>High</td>
<td>The benefit of this project is the conservation of approximately 13,200 gallons per day in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>High</td>
<td>Project cost effectiveness is below $3.00 per thousand gallons saved.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for the 12 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>Medium</td>
<td>Cooperator per capita is between 75 and 125 gcpd.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>Project is ready to begin on or before December 1, 2017.</td>
</tr>
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</table>

#### Strategic Goals:

<table>
<thead>
<tr>
<th>Strategic Goals</th>
<th>Rating</th>
<th>Description</th>
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<tbody>
<tr>
<td>Strategic Initiative - Conservation</td>
<td>High</td>
<td>Enhance efficiencies in all water-use sectors.</td>
</tr>
<tr>
<td>Tampa Bay Region Priority</td>
<td></td>
<td>Implement Minimum Flow and Level (MFL) Recovery Strategies.</td>
</tr>
</tbody>
</table>

#### Overall Ranking and Recommendation:
This project conserves potable water supply in the NTBWUCA and is cost effective.

#### Funding:

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
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</table>
**SW IMP - Flood Protection - Sea Pines Neighborhood Flood Abatement**

**Pasco County**

<table>
<thead>
<tr>
<th>Risk Level:</th>
<th>Type 3</th>
<th>Multi-Year Contract:</th>
<th>No</th>
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</table>

### Description

This project is for 30% design and third party review of new and upgraded stormwater conveyance systems and storage ponds within the Sea Pines neighborhood in western Pasco County. District funding is for 30% design and third party review as this project is complex and includes multiple land acquisitions. The FY18 funding request is to complete 30% design and third party review which will provide the necessary information to support funding in future years to complete land acquisition, design, permitting and construction.

### Measurable Benefit:

The contractual Measurable Benefit will be the completion of the 30% design and third party review of this proposed project to construct new stormwater conveyance and storage systems.

### Costs:

- **Total project cost**: $300,000 (30 percent design, third party review)
- **Pasco County share**: $150,000
- **District**: $150,000

The conceptual estimate to complete design, permitting and construction is $4,500,000. It is anticipated that Pasco County will request funding to complete design, permitting and construction in future years.

### Evaluation

<table>
<thead>
<tr>
<th>Application Quality:</th>
<th>Medium</th>
<th>Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit:</td>
<td>High</td>
<td>The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.</td>
</tr>
<tr>
<td>Cost Effectiveness:</td>
<td>Medium</td>
<td>Benefit/cost ratio is less than 1, but greater than 0.7.</td>
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<tr>
<td>Past Performance:</td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for the 12 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts:</td>
<td>Medium</td>
<td>Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.</td>
</tr>
<tr>
<td>Project Readiness:</td>
<td>High</td>
<td>Project is ready to begin on or before December 1, 2017.</td>
</tr>
</tbody>
</table>

### Strategic Goals

| Strategic Goals: | Medium | Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. |

### Overall Ranking and Recommendation

The County is requesting funds to complete the 30% design and third party review only. The results from the 30% design plans and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing new stormwater conveyance and storage ponds. It has a high resource benefit and is cost effective.

### Funding

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<tr>
<th>Funding Source</th>
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Project No. N852
Pasco County – Toilet Rebate – Phase 11
Pasco County

<table>
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<tr>
<th>Risk Level</th>
<th>Multi-Year Contract</th>
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<tbody>
<tr>
<td>Type 1</td>
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</table>

Description: Financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets that use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets that use 1.6 gallons per flush or less. This project will include rebates and program administration for the replacement of approximately 500 high flow toilets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program.

Measurable Benefit: The contractual Measurable Benefit will be the implementation of the program and the completion of a Final Report.

Costs: Total project costs: $100,000;
Pasco County: $50,000;
District: $50,000

Evaluation

- Application Quality: High
  Application included all of the required information identified in the CFI Guidelines.

- Project Benefit: High
  The benefit of this project is an estimated 13,640 gpd of water conserved in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).

- Cost Effectiveness: High
  Project cost effectiveness is below $3.00 per thousand gallons saved.

- Past Performance: High
  Based on an assessment of the schedule and budget for the 12 ongoing projects.

- Complementary Efforts: Medium
  Cooperator per capita is between 75 and 125 gcpd.

- Project Readiness: High
  Project is ready to begin on or before December 1, 2017.

Strategic Goals: High

- Strategic Initiative - Conservation: Enhance efficiencies in all water-use sectors.

Overall Ranking and Recommendation: Fund as High Priority. This project conserves potable water supply in the NTBWUCA and is cost effective.

Funding

<table>
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<tr>
<th>Funding Source</th>
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</table>
Project No. N859

**Description**

**Pasco County**

**Risk Level:** Type 3

**Multi-Year Contract:** Yes, Year 1 of 2

**Description:** Land acquisition, design, and construction of the expansion of an existing stormwater pond and the addition of a new pump station and outfall for the Holiday Hills Subdivision in Pasco County. The neighborhood receives offsite, intermediate system flows and experiences routine flooding. This project includes the purchase of parcels adjacent to an existing stormwater pond and the expansion of the pond. A pump station with outfall piping will redirect flows to an alternative outfall to the north of the subdivision.

**Measurable Benefit:** The contractual Measurable Benefit will be the reduction of flood elevations during the 25 year, 24 hour storm event through the expansion of an existing stormwater pond and addition of a pump station and associated outfall piping.

**Costs:** Total project cost $1,100,000 (Land acquisition, design, permitting, construction)
Pasco County share $550,000 (Includes $200,000 of land acquisition costs as funding match)
District $550,000 with $100,000 requested in FY2018, and $450,000 anticipated to be requested in future years.

**Evaluation**

**Application Quality:** Medium
Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.

**Project Benefit:** High
The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.

**Cost Effectiveness:** High
Benefit/cost ratio is greater than or equal to 1.

**Past Performance:** High
Based on an assessment of the schedule and budget for the 12 ongoing projects.

**Complementary Efforts:** Medium
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

**Project Readiness:** Medium
Project is ready to begin on or before March 1, 2018.

**Strategic Goals**

**Strategic Goals:** Medium
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**

Fund as High Priority. This project will reduce structure and street flooding during the 25 year, 24 hour storm event by expanding an existing stormwater pond and constructing a new pump station and associated outfall piping and is cost effective.

**Funding**

<table>
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</table>
## Project No. N863
### Reclaimed Water - Hillsborough County Summerfield Sports Complex

**Hillsborough County**

**Risk Level:** Type 2  
**Multi-Year Contract:** No

### Description

**Description:** Design, permitting and construction of an interconnected transmission line, a reclaimed water pump station; and other necessary appurtenances to supply contracted reclaimed water flows to athletic fields located at the Summerfield Sports Complex in Hillsborough County.

**Measurable Benefit:** The Measurable Benefit, which will be the contractual requirement, is the supply of 0.065 mgd of reclaimed water for irrigation purposes within the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA).

### Costs

- Total Project Cost: $155,000 (Design, permitting and construction);
- Hillsborough County Share: $77,500;
- District share: $77,500 all in FY2018.

### Evaluation

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>High</th>
<th>Application included all the required information identified in the CFI Guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit</td>
<td>High</td>
<td>The supply of 0.065 mgd of reclaimed water within the MIA of the SWUCA.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>High</td>
<td>$3.16 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost effectiveness is $0.76 per thousand gallons of water resource benefit which is within the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to $10.00/1,000 gallons for residential projects.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>Medium</td>
<td>Based on an assessment of the schedule and budget for 10 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>High</td>
<td>Hillsborough County’s reclaimed water system has a program in place that includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, and environmental benefits.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>Project is expected to begin on or before December 1, 2017</td>
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</tbody>
</table>

### Strategic Goals

| Strategic Goals | High  | Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems. |
|-----------------|-------|Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. |

### Overall Ranking and Recommendation

This project is recommended for funding as it reduces reliance on traditional supplies in the MIA of the SWUCA.

### Funding

<table>
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<th>Funding Source</th>
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</table>
### Project No. N867

**Description**

This project is the design, permitting, and construction of a new stormwater management facility (SMF) located at the southeast corner of the intersection of Gulf Road and Tarpon Drive, and installation of associated stormwater collection system along Palm Avenue and Tarpon Drive. Due to lack of stormwater infrastructure, the project area has experienced structure and roadway flooding problems. FY18 funding will be used for design/permitting and starting construction.

**Measurable Benefit:**

The contractual Measurable Benefit will be construction of a new SMF and associated stormwater collection systems.

**Costs:**

Total project cost: $499,958 (design, permitting, and construction)
- City of Tarpon Springs: $249,979
- District: $249,979 with $49,387 requested in FY18 and $200,592 anticipated in future years.

**Evaluation**

- **Application Quality:** High
  - Application included all of the required information identified in the CFI guidelines.
- **Project Benefit:** High
  - The Resource Benefit of this project will reduce the existing flooding problem during the 25-year, 24-hour storm event. Structure and street flooding current occurs in the project area and the project impacts the City's primary stormwater collection/treatment systems.
- **Cost Effectiveness:** Medium
  - Costs are based on preliminary design. Engineer's costs estimates appear to be reasonable based on available information or are similar when compared to similar projects.
- **Past Performance:** High
  - Based on an assessment of the schedule and budget for the 1 ongoing project.
- **Complementary Efforts:** Medium
  - Cooperator's Community Rating System class is 7 and is in the 6 to 9 range.
- **Project Readiness:** High
  - Project is ready to start on or before December 1, 2017.

### Strategic Goals

- **Strategic Goals:** High
  - **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.
  - **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

- **Fund as High Priority.**
  - The project will provide flood protection for streets and structures during the 25-year, 24-hour storm event and provide net improvement to water quality of impaired waterbody.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
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</table>
Project No. N870  SW IMP - Flood Protection - Colonial Manor Drainage Improvement  Pasco County

| Risk Level: | Type 3 | Multi-Year Contract: | Yes, Year 1 of 2 |

| Description |
| Land acquisition, design, permitting, and construction of grass swales and culverts to capture and reroute stormwater within the intermediate drainage system of the Colonial Manor neighborhood. The existing system is inadequate to handle receiving stormwater flows and the redirection of flows and expansion of existing culverts will enable the system to recover quicker while also reducing flood elevations. |

| Measurable Benefit: |
| The contractual Measurable Benefit will be the reduction of flood elevations during the 25 year, 24 hour storm event through the construction of grass swales and culverts to redirect stormwater flows. |

| Costs: |
| Total project cost $2,400,000 (Land acquisition, design, permitting, construction) Pasco County share $1,200,000 (Includes $100,000 of land acquisition costs as funding match) District $1,200,000 with $134,000 requested in FY2018, and $1,066,000 anticipated to be requested in future years. |

| Evaluation |
| Application Quality: Medium | Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information. |
| Project Benefit: High | The Resource Benefit of this project will reduce the existing flooding problem during the 25 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system. |
| Cost Effectiveness: High | Benefit/cost ratio is greater than or equal to 1. |
| Past Performance: High | Based on an assessment of the schedule and budget for the 12 ongoing projects. |
| Complementary Efforts: Medium | Cooperator’s Community Rating System class is 6 and is in the 6 to 9 range. |
| Project Readiness: High | Project is ready to begin on or before December 1, 2017. |

| Strategic Goals |
| Strategic Goals: Medium | Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage. |

| Overall Ranking and Recommendation |
| Fund as High Priority. | This project will reduce structure and street flooding during the 25 year, 24 hour storm event by constructing grass swales and culverts to reroute stormwater flows within the Colonial Manor neighborhood and is cost effective. |

<p>| Funding |</p>
<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
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**Risk Level:** Type 1  
**Multi-Year Contract:** No

### Description
A pilot program with financial incentives to home builders for building homes to Florida Water Star (FWS) standards and submitting proof of FWS certification for these homes. FWS homes meet specific water-efficiency criteria inside the homes in appliances and fixtures and outside the homes in landscape and irrigation design and installation. This project will provide a $700 rebate per home for home builders to assist with the additional costs associated with building and certifying approximately 71 FWS-certified homes.

### Measurable Benefit
The contractual Measurable Benefit is the implementation of the program and the completion of the final report.

### Costs
- **Total Project Cost:** $49,700
- **City of St. Petersburg:** $24,850
- **District:** $24,850

### Evaluation
- **Application Quality:** High  
  Application included all of the required information identified in the CFI Guidelines.
- **Project Benefit:** High  
  The benefit of this project is an estimated 9,400 gallons per day of water conserved in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).
- **Cost Effectiveness:** High  
  Project cost effectiveness is below $3.00 per thousand gallons saved.
- **Past Performance:** High  
  Based on an assessment of the schedule and budget of the 8 ongoing projects.
- **Complementary Efforts:** Medium  
  Cooperator per capita is between 75 and 125.
- **Project Readiness:** High  
  Project is ready to begin on or before December 1, 2017.

### Strategic Goals
- **High**
- **Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors.
- **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

### Overall Ranking and Recommendation
- **High Priority:** This project conserves water supply in the NTB WUCA and is cost effective.

### Funding

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<tr>
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<tr>
<td>Project No. N876</td>
<td>City of New Port Richey – Toilet Rebate – Phase 4</td>
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<tr>
<td><strong>New Port Richey</strong></td>
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<td><strong>Risk Level:</strong></td>
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<td><strong>Multi-Year Contract:</strong></td>
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### Description

**Description:**
Financial incentive to residential customers for the replacement of conventional toilets with high-efficiency toilets that use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets that use 1.6 gallons per flush or less. This project will include rebates and program administration for the replacement of approximately 80 high flow toilets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program.

**Measurable Benefit:**
The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.

**Costs:**
- Total project costs: $14,940
  - City of New Port Richey: $7,470
  - District: $7,470

### Evaluation

- **Application Quality:** Medium
  - Application included most of the required information identified in the CFI guidelines.
  - District PM had to work with cooperator to obtain remaining required information.

- **Project Benefit:** High
  - The benefit of this project is an estimated 1,874 gpd of water conserved in the Northern Tampa Bay Water Use Caution Area (NTBWUCA).

- **Cost Effectiveness:** High
  - Project cost effectiveness is below $3.00 per thousand gallons saved.

- **Past Performance:** Medium
  - Based on an assessment of the schedule and budget for the 3 ongoing projects.

- **Complementary Efforts:** Medium
  - Cooperator per capita is between 75 and 125 gcpd.

- **Project Readiness:** High
  - Project is ready to begin on or before December 1, 2017.

### Strategic Goals

- **Strategic Goals:** High
  - **Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors.
  - **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

### Overall Ranking and Recommendation

This project conserves potable water supply in the NTBWUCA and is cost effective.

### Funding

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<th>Funding Source</th>
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**Project No. N878**

**WMP - Pasco County LiDAR Data Collection**

**Pasco County**

**Risk Level:** Type 4  
**Multi-Year Contract:** No  
**FY2018**

### Description

**Pasco County**

**WMP - Pasco County LiDAR Data Collection**

**Type 4**

**Multi-Year Contract:** No

**FY2018**

**Description**

The project is part of a County-wide topographic information mapping effort that will include approximately 780 square miles within the District's boundaries. Existing topographic datasets of the County no longer accurately represent land usage changes arising from an increase in population occurring within the County from 2004 to 2016 which has resulted in significant landscape modifications, and substantial infrastructure improvements of State Highways. The County is proposing to update topographic changes using Light detection and range (LiDAR) data for the entire County. LiDAR uses an advanced laser distance-measuring device and geographic reference system that automates the capture of surface elevations at a fraction of the cost of previous mapping approaches. The proposed technology is consistent with the District's standard practices of topographic mapping.

### Measurable Benefit

The contractual Measurable Benefit will be the county-wide ground elevation data and mapping products using aerial LiDAR photogrammetric mapping systems.

### Costs

Total project cost: $1,000,000;
Pasco County: $500,000;
District: $500,000 requested in FY2018

### Evaluation

**Application Quality:** High  
Application included all the required information identified in the CFI Guidelines.

**Project Benefit:** High  
The benefit of this project is the identification of topographic information that can identify flooding problems that exist in the watershed and solutions. Currently, Light detection and range (LiDAR) data are available and are from 5 to 10 years old. The entire county will be updated at the same time and will aide in the development of current and future watershed updates.

**Cost Effectiveness:** Medium  
Cost estimates appear to be reasonable based on available information or are similar when compared to similar projects.

**Past Performance:** High  
Based on an assessment of the schedule and budget for the 12 ongoing projects.

**Complementary Efforts:** Medium  
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

**Project Readiness:** High  
Project is ready to begin on or before December 1st 2017.

### Strategic Goals

**Strategic Goals:** Medium  

**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

**Fund as High Priority.** Project will provide valuable data that is necessary for watershed management plan updates and regulatory purposes.

### Funding

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<th>Future</th>
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</table>
**Project No. N879**  
**Pinellas County**  

<table>
<thead>
<tr>
<th>Description</th>
<th>Project Readiness</th>
<th>Strategic Goals</th>
<th>Overall Ranking and Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Design</strong>: Design, permitting and construction stormwater treatment BMPs in the Roosevelt Basin, in Pinellas County, which drains to Old Tampa Bay, a SWIM Priority Waterbody. The retrofit proposes to increase the watershed to include an area not currently receiving stormwater treatment and improve nitrogen removal in the existing pond.</td>
<td>High</td>
<td>High</td>
<td>The project is cost effective and will improve water quality draining from a watershed that discharges to Tampa Bay, a SWIM Priority waterbody.</td>
</tr>
<tr>
<td><strong>Measurable Benefit</strong>: The contractual Measurable Benefit will be contrition of stormwater retrofit BMPs to treat approximately 23 acres of urbanized watershed. There will be no monitoring or performance testing requirements.</td>
<td>High</td>
<td>High</td>
<td>Fund as High Priority.</td>
</tr>
</tbody>
</table>
| **Costs**: Total project cost $701,020.00 (Design, permitting and construction)  
Pinellas County's Share: $350,510  
District's Share: $350,510, $50,000 requested in FY2018, and $300,510 anticipated to be requested in future years. | Medium | Medium | |
| **Evaluation** | | | |
| **Application Quality**: Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information. | Medium | | |
| **Project Benefit**: The Resource Benefit of this water quality project is the reduction of pollutant loads to Tampa Bay, a SWIM priority waterbody, by an estimated 157 lbs/year of TN. | High | | |
| **Cost Effectiveness**: The estimated cost/lb of TN removed is below the historical average cost of $224/lb, and the cost per acre treated is above the historical average cost of $8,050/acre treated for urban/suburban water quality projects. | Medium | | |
| **Past Performance**: Based on an assessment of the schedule and budget for the 4 ongoing projects. | Medium | | |
| **Complementary Efforts**: Applicant has an active storm water utility that collects fees. | High | | |

<table>
<thead>
<tr>
<th>Funding</th>
<th>Prior</th>
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<th>Future</th>
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**Project No. N883**

**SW IMP - Flood Protection - Temple Terrace Highway Drainage Improvements**

**Hillsborough County**

**FY2018**

**Risk Level:** Type 2  
**Multi-Year Contract:** No

### Description

**Description:** This project is for construction to improve the existing drainage system with a stormwater pump station on Temple Terrace Highway in the Blind Pond area of the Hillsborough River Watershed in the city of Temple Terrace. The project is proposed to recover the flood storage system up to the 10 year, 24-hour storm event providing protection for a contributing area of approximately 200 acres. FY2018 funding will be used for construction of the pump station and associated conveyance improvements for the Rolling Terrace, Meadow Woods Condominium, Terrace Trace Apartments and Orange River Estates Subdivision.

**Measurable Benefit:** The contractual Measurable Benefit will be the construction of conveyance improvements, in accordance with the final permitted design plans.

**Costs:** Total project cost $1,400,000 (Construction)  
Hillsborough County $700,000  
District $700,000 requested in FY18.

### Evaluation

**Application Quality:** Medium  
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information.

**Project Benefit:** High  
The Resource Benefit of this project will reduce the existing flooding problem during the 10 year, 24-hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.

**Cost Effectiveness:** High  
Benefit/Cost ratio is great than or equal to 1.

**Past Performance:** Medium  
Based on an assessment of the schedule and budget for the 10 ongoing projects.

**Complementary Efforts:** High  
Cooperator's Community Rating System class is 5 and is in the 5 or better range.

**Project Readiness:** High  
Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

### Strategic Goals

**Strategic Goals:** Medium

**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

Fund as High Priority.

This project will reduce the existing flooding problem up to the 10 year, 24-hour storm event. Temple Terrace Highway is a main evacuation route.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
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**Project No. N890**  
**Conservation - St. Petersburg Residential Clothes Washer Rebate Pilot Project**

**City of St. Petersburg**

**Risk Level:** Type 1  
**Multi-Year Contract:** No

**Description**

A pilot program with financial incentives to residential customers for the replacement of high flow clothes washer with an EPA Energy Star certified high efficiency model. The EPA Energy Star program now includes a maximum standard for water use for clothes washers. This project will include rebates and program administration for the replacement of approximately 100 high flow clothes washers up to $125 per rebate. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program.

**Measurable Benefit:** The contractual Measurable Benefit will be the implementation of the program and the completion of a final report.

**Costs:**
- Total project costs: $24,700
- City of St. Petersburg: $12,350
- District: $12,350

**Evaluation**

- **Application Quality:** High  
  Application included all of the required information identified in the CFI Guidelines.
- **Project Benefit:** High  
  The benefit of this project is the conservation of approximately 1,500 gallons per day in the NTB WUCA.
- **Cost Effectiveness:** Medium  
  Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.
- **Past Performance:** High  
  Based on an assessment of the schedule and budget for the 8 ongoing projects.
- **Complementary Efforts:** Medium  
  Cooperator compliance per capita is between 75 and 125 gcpd.
- **Project Readiness:** High  
  Project is ready to begin on or before December 1, 2017.

**Strategic Goals**

- **Strategic Goals:** High  
  **Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors.
  **Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

**Overall Ranking and Recommendation**

Fund as High Priority. This project conserves potable water supply in the NTB WUCA and is a unique pilot project in this area. The City has been involved in water conservation efforts for many years and their historical conservation efforts have been successful.

**Funding**

<table>
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<th>Funding Source</th>
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<tr>
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<td><strong>$24,700</strong></td>
</tr>
<tr>
<td>Description</td>
<td>Construction of an expanded littoral zone and hydraulic improvements in an existing permitted stormwater treatment pond in Eagle Lake Park in Pinellas County. The proposed construction will improve water quality treatment above the ponds current removal efficiency.</td>
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<tr>
<td>Measurable Benefit</td>
<td>The contractual Measurable Benefit will be the construction of an approximately .5 acre littoral zone and hydraulic improvements to the pond to prevent short circuiting in the pond that treats an approximately 84 acre watershed that drains to Allen’s Creek, a tributary to Tampa Bay, a SWIM priority water body. There will be no monitoring or performance testing requirements.</td>
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</tbody>
</table>
| Costs | Total Project Cost: $370,000 (Construction only)  
Pinellas County: $185,000  
District: $185,000 requested in FY18. |
| Evaluation | Application Quality: Medium  
District PM/CM had to work with the cooperator to obtain the remaining required information. |
| Project Benefit | High  
The Resource Benefit of this water quality project is the reduction of pollutant loads to Allen's Creek, a tributary to Tampa Bay, a SWIM priority water body by an estimated 85 lbs/yr of TN. Allen's Creek is impaired for nutrients and this project will assist Pinellas County with meeting the Total Maximum Daily Load (TMDL) for the water body. |
| Cost Effectiveness | High  
The estimated cost/lb of TN removed is below the historical average cost of $224/lb, and the cost per acre treated is below the historical average cost of $8,050/acre treated for urban/suburban water quality projects. |
| Past Performance | Medium  
Based on an assessment of the schedule and budget for the 4 ongoing projects. |
| Complementary Efforts | High  
Applicant has an active storm water utility that collects fees. |
| Project Readiness | Medium  
Project is ready to begin on or before March 1, 2018. |
| Strategic Goals | Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.  
Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole. |
<p>| Overall Ranking and Recommendation | There is no expansion of the watershed treated but the cost for total nitrogen removal is effective. The project will improve water quality in the Allen’s Creek watershed, a tributary to Tampa Bay, which is a SWIM Priority Waterbody. |</p>
<table>
<thead>
<tr>
<th>Funding</th>
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Project No. N901  SW IMP - Flood Protection - Port Richey Alternative Outfall
Pasco County  FY2018

Risk Level: Type 3  Multi-Year Contract: No

Description
This project is for conceptual design, 30% design and third party review of an alternative outfall for the Port Richey Slough system. Currently, stormwater flows from the Magnolia Valley area through a slough system which eventually discharges north under Ridge Road and then west under 19 to the Gulf of Mexico. Flooding is experienced as the wetland slough area narrows into a channel. This project will provide an alternative outfall that connects the slough system to an existing outfall to the Gulf, just south of Ridge Road. District funding is for 30% design and third party review as this project has complex design and land acquisition elements. The FY18 funding request is to complete conceptual design, 30% design and third party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.

Measurable Benefit: The contractual Measurable Benefit will be the completion of the conceptual design, 30% design, and third party review of this proposed project to construct an alternative outfall for the Port Richey Slough.

Costs: Total project cost $500,000 (Conceptual design, 30% design, third party review)
Pasco County $225,000
District $225,000
The conceptual estimate to complete design, land acquisition, permitting, and construction is a total of $2,800,000 ($1,400,000 District share). It is anticipated that the County will request funding to complete design, permitting, and construction in future years.

Evaluation
Application Quality: Medium
Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.

Project Benefit: High
The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.

Cost Effectiveness: High
Benefit/cost ratio is greater than or equal to 1.

Past Performance: High
Based on an assessment of the schedule and budget for the 12 ongoing projects.

Complementary Efforts: Medium
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

Project Readiness: High
Project is ready to begin on or before December 1, 2017.

Strategic Goals
Strategic Goals: Medium
Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation
Fund as High Priority.
The County is requesting funds to complete the conceptual design, 30% design, and third party review only. The results of the 30% design plans and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing an alternative outfall for the Port Richey slough system and is cost effective.

Funding

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### Description

**Watershed Management Plan (WMP) for the City of St. Petersburg in Pinellas County, through and including floodplain analysis, Level of Service determination (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practices (BMPs) alternative analysis. The City of St. Petersburg last completed a citywide stormwater master plan in 1994. FY2018 funding will be used to start the Watershed Evaluation.**

**Measurable Benefit:** The contractual Measurable Benefit will be the completion of a watershed model and floodplain analysis including information that is critical to better identify risk of flood damage, opportunities to improve water quality, and cost effective alternatives.

**Costs:**
- Total project cost: $1,800,000
- City of St. Petersburg: $900,000
- District: $900,000; $281,250 requested in FY2018 and $618,750 anticipated in future years.

### Evaluation

**Application Quality:** Medium
- Application included most of the required information identified in the CFI guidelines. District PM had to work with Cooperator to obtain remaining required information.

**Project Benefit:** High
- The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.

**Cost Effectiveness:** High
- Project cost per square mile is in the low-range of historic costs (less than $30,000/sq mi) for WMPs completed in urban watersheds.

**Past Performance:** High
- Based on an assessment of the schedule and budget for the 8 ongoing projects.

**Complementary Efforts:** High
- Cooperator's Community Rating System class is 5 and is in the 5 or better range.

**Project Readiness:** High
- Project is ready to begin on or before December 1, 2017.

### Strategic Goals

**Strategic Goals:**
- **High**
- **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.
- **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.
- **Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

### Overall Ranking and Recommendation

This project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

### Funding

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</table>
**Project No. N909**  
**City of St. Petersburg**  
**Conservation - St. Petersburg Sensible Sprinkling Program, Phase 8**  
**Multi-Year Contract: No**  
**FY2018**

**Description**
This project will make available approximately 300 irrigation evaluations to single family, multi-family and commercial customers. This will include program administration and evaluations with recommendations for optimizing the use of water outdoors through Florida-Friendly Landscaping™ practices and other efficient irrigation best management practices. Approximately 300 rain sensor devices will be provided and installed for project participants who do not have a functioning device. Also included are the educational materials, program promotion, follow-up evaluations and surveys necessary to ensure the success of the program.

**Measurable Benefit:**
The contractual Measurable Benefit will be the continuation of the program and a final report.

**Costs:**
Total project cost: $100,000;  
City of St. Petersburg: $50,000;  
District: $50,000.

**Evaluation**

**Application Quality:** High  
Application included all the required information identified in the CFI Guidelines.

**Project Benefit:** High  
The benefit of this project is an estimated 56,000 gallons per day of water conserved in the NTB WUCA.

**Cost Effectiveness:** High  
Project cost effectiveness is below $3.00 per thousand gallons saved.

**Past Performance:** High  
Based on an assessment of the schedule and budget for the 8 ongoing projects.

**Complementary Efforts:** Medium  
Cooperator per capita is between 75 and 125.

**Project Readiness:** High  
Project is ready to begin on or before December 1, 2017.

**Strategic Goals**

**Strategic Goals:** High  
**Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors.

**Tampa Bay Region Priority:** Implement Minimum Flow and Level (MFL) Recovery Strategies.

**Overall Ranking and Recommendation**
Fund as High Priority. This project conserves water supply in the NTB WUCA and is cost effective.

**Funding**

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<td>Project No. N913</td>
<td>SW IMP - Flood Protection - Ironbark Flood Abatement</td>
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<td>Multi-Year Contract:</td>
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**Description**

Land acquisition, design, permitting, and construction of interconnected wet pond areas to a dry storage basin for flood abatement as well as an emergency outfall connection for recovery following major storm events in the Gulf Highlands neighborhood. Construction of the BMPs within the 111 acre closed basin will relieve flooding impacts to residential properties and reduce street flooding.

**Measurable Benefit:**
The contractual Measurable Benefit will be the reduction of flood elevations for the 100 year, 24 hour storm event floodplain through the construction of conveyance to connect wet and dry pond areas.

**Costs:**
Total project cost $4,110,000 (Land acquisition, design, permitting, construction)
Pasco County share $2,055,000 (Includes $238,000 of land acquisition costs as funding match)
District $2,055,000 with $75,000 requested in FY2018, and $1,980,000 anticipated to be requested in future years.

**Evaluation**

- **Application Quality:** Medium
  - Application included most of the required information identified in the CFI guidelines.
  - District PM had to work with cooperator to obtain remaining required information.

- **Project Benefit:** High
  - The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.

- **Cost Effectiveness:** High
  - Benefit/cost ratio is greater than or equal to 1.

- **Past Performance:** High
  - Based on an assessment of the schedule and budget for the 12 ongoing projects.

- **Complementary Efforts:** Medium
  - Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

- **Project Readiness:** High
  - Project is ready to begin on or before December 1, 2017.

**Strategic Goals**

- **Strategic Goals:** Medium
  - **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**

Fund as High Priority.

- This project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing conveyance additions in the Gulf Highlands neighborhood and is cost effective.

**Funding**

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</table>
This project is to initiate a City-wide watershed evaluation through development of a detailed GIS stormwater inventory. This centralized mapping system will consist of feature classes such as canal, culverts, ditches, ponds, pipes, inlets, manhole, outfalls, and structures. In addition, the inventory will also include important attributes to be collected such as type, condition, top of bank elevation, top width upstream, bottom width, invert, size, slope, and material. End product of the project will allow system wide viewing of the City’s stormwater network and support the implementation of a future Watershed Management Plan (WMP).

The benefit of this project is the development of a City-wide GIS stormwater inventory, a critical component of a watershed evaluation and the foundation of a future WMP.

Project cost per square mile is comparable to similar effort completed in highly urbanized watershed.

Cooperator’s Community Rating System class is 7 and is in the 6 to 9 range.

Project is ready to start on or before December 1, 2017.

This project will initiate a City-wide watershed evaluation through development of a detailed GIS stormwater inventory which would support implementation of a future WMP to develop better floodplain information, evaluate water quality issues, and identify specific Best Management Practices to address flooding and water quality issues within the watersheds.

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Project No. N924  
WMP - Lake Tarpon Watershed Management Plan

Pinellas County

Risk Level: Type 3  
Multi-Year Contract: Yes, Year 1 of 2

Description

Description: Complete a Watershed Management Plan (WMP) for the Lake Tarpon watershed in Pinellas County, through and including floodplain analysis, Level of Service determination (LOS), and Best Management Practices (BMPs) alternative analysis. FY2018 funding will be used to complete the Watershed Evaluation and begin the Floodplain Analysis.

Measurable Benefit: The contractual Measurable Benefit will be to develop a watershed model and floodplain analysis; information that is critical to better identify risk of flood damage, and cost effective alternatives.

Costs: Total project cost $400,000
Pinellas County $200,000
District $200,000; $50,000 requested in FY18, and $150,000 anticipated to be requested in future years.

Evaluation

Application Quality: Medium  
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

Project Benefit: High  
The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.

Cost Effectiveness: High  
Watershed Management Plans – cost/sq. mile of watershed Urban - $30,000 or less/sq.mi.

Past Performance: Medium  
Based on an assessment of the schedule and budget for the 4 ongoing project.

Complementary Efforts: High  
Pinellas County has a CRS score of 5

Project Readiness: High  
Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

Strategic Goals

Strategic Goals: High  
Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Strategic Initiative - Emergency Flood Response: Operate District flood control and water conservation structures, providing effective and efficient assistance to state and local governments and the public to minimize flood damage during and after major storm events.

Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation

Fund as High Priority. This project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

Funding

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Project No. N943
Pasco County

Description
The project will evaluate the performance of a constructed wetlands recharge facility (the Central Pasco County Beneficial Water Reuse Project) and develop guidelines for control of the wetland cells in order to optimize reclaimed water use, groundwater recharge, and wetland environmental health. The design and construction of the facility was co-funded by the District under the CFI project N666. The facility is currently under construction, and is expected to be completed during the summer of 2017. As part of this project, operational parameters related to water level management will be assessed based on cell by cell impacts to local groundwater levels, loading requirements set forth in the N666 Agreement, and by plant establishment.

Measurable Benefit:
The contractual Measurable Benefit will be the collection and evaluation of operational data and the completion of a technical report on optimization of recharge in a constructed wetlands recharge facility.

Costs:
- Total project cost: $280,000.
- Pasco County share: $140,000
- District share: $140,000, with $60,000 requested for FY18, and $80,000 anticipated to be requested in future years.

Evaluation
- Application Quality: Medium
  - Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
- Project Benefit: High
  - The benefit of this project is the optimization of recharge in a constructed wetlands recharge facility.
- Cost Effectiveness: High
  - Costs are comparable to similar projects performed or funded by the District.
- Past Performance: High
  - Based on an assessment of the schedule and budget of 12 ongoing projects.
- Complementary Efforts: High
  - 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, water resource benefits, and environmental benefits.
- Project Readiness: High
  - Project is ready to begin on or before December 1, 2017.

Strategic Goals
- Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.
- Strategic Initiative - Minimum Flows and Levels Establishment and Recovery: To prevent significant harm and reestablish the natural ecosystem, determine MFL’s and, where necessary, develop and implement recovery plans.

Overall Ranking and Recommendation
- Fund as High Priority. This project will provide information on individual wetland cell recharge rates and optimal planting schemes, which will maximize the recharge rates and treatment of the facility, as well as provide useful information to assist with the design of future similar facilities.

Funding

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### Project No. W024

**Description**
The Tampa Bay Environmental Restoration Fund (TBERF) was established to fund restoration, research and education initiatives in Tampa Bay. The Tampa Bay Estuary Program (TBEP) manages the fund and secures local funding to leverage with funds obtained nationally by the Restore America’s Estuaries (RAE) through environmental fines and philanthropic gifts.

**Measurable Benefit:**
The project will fund numerous water quality improvement and habitat restoration projects throughout the Tampa Bay watershed.

**Costs:**
- Total project cost: $500,000
- TBEP share $250,000
- District $250,000 requested in FY18. (District share includes a 10% administrative fee for each grant managed by the TBEP)

### Evaluation

<table>
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<tr>
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<th>Rating</th>
<th>Description</th>
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<tbody>
<tr>
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<td>Application included all the required information identified in the CFI guidelines.</td>
</tr>
<tr>
<td>Project Benefit</td>
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<td>Water quality improvement and habitat restoration in Tampa Bay, a SWIM Priority Water Body.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>High</td>
<td>District funds will be leveraged with other local, federal, private, and penalty funds.</td>
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<tr>
<td>Past Performance</td>
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<td>Based on an assessment of the schedule and budget for the 3 ongoing projects.</td>
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<tr>
<td>Complementary Efforts</td>
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<td>TBEP developed a model fertilizer ordinance that was used by the Cities of St. Petersburg and Tampa, Manatee County and Pinellas County. TBEP also implemented education campaigns for the fertilizer ordinances and for dog waste management.</td>
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<tr>
<td>Project Readiness</td>
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### Strategic Goals

<table>
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<th>Rating</th>
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<tr>
<td>Tampa Bay Region Priority</td>
<td>High</td>
<td>Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.</td>
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</tbody>
</table>

### Overall Ranking and Recommendation

Due to the leveraging of local, federal, private, and penalty funds, this project is a very cost effective means to implement water quality and habitat restoration projects for Tampa Bay, a SWIM priority water body. The District has provided funding for the TBERF since FY2013. For FY2013 - FY2016 the TBERF funded 34 projects at a total grant amount of $2.5 million (six District projects were funded at a grant amount of $796,170).

### Funding

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Risk Level: Type 2  Multi-Year Contract: No

Description
Construction of stormwater improvement LID BMPs for currently untreated paved areas at the Pier approach in the City of St. Petersburg and the reduction of pollutant loads to Tampa Bay, a SWIM priority waterbody.

Measurable Benefit: The contractual Measurable Benefit will be the construction of LID BMPs to treat stormwater runoff from a 9 acre urbanized watershed. There will be no monitoring or performance testing requirements.

Costs:
Total Project Cost: $150,000 (Construction)
City of St. Petersburg share: $75,000
District share: $75,000 requested in FY18

Evaluation
Application Quality: Medium
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

Project Benefit: High
The Resource Benefit of this water quality project is the reduction of pollutant loads to Tampa Bay by an estimated 42 lbs/year of TN.

Cost Effectiveness: High
The estimated cost/lb of TN removed is below the historical average cost of $646/lb and the per acre treated is below the historical average cost of $46,947 for coastal/LID water quality projects.

Past Performance: High
Based on an assessment of the schedule and budget for the 8 ongoing projects.

Complementary Efforts: High
The City has an active stormwater utility that collects fees.

Project Readiness: Medium
The project is ready to begin on or before March 1, 2018.

Strategic Goals
Strategic Goals: High
Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.
Tampa Bay Region Priority: Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

Overall Ranking and Recommendation
Fund as High Priority.
The project will reduce stormwater impacts to Tampa Bay, a SWIM priority waterbody through a reduction in sediment and nutrient loading.

Funding
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## Description

**Risk Level:** Type 4  
**Project No. W303**  
**City of St. Petersburg**  
**Restoration - Boyd Hill Nature Preserve**  
**FY2018**

**Type 4 Multi-Year Contract:** No

**Description:** Design, permitting, and construction of freshwater wetlands and coastal uplands within the Boyd Hill Nature Preserve in Pinellas County, Florida which is in the Tampa Bay watershed. The District will be the lead on this project and will procure the consultant and contractor.

**Measurable Benefit:** The contractual Measurable Benefit will be the creation, restoration, and enhancement approximately 30 acres of freshwater and upland habitats in the Tampa Bay watershed.

**Costs:** Total project cost: $900,000 (Design, permitting and construction)  
City of St. Petersburg: $450,000  
District: $450,000 requested in FY18

## Evaluation

**Application Quality:** High  
Application included all the required information identified in the CFI guidelines.

**Project Benefit:** High  
The Resource Benefit will be the creation, restoration, and enhancement of 30 acres of freshwater wetland and coastal upland habitats within the Tampa Bay watershed, a SWIM priority waterbody.

**Cost Effectiveness:** High  
The estimated cost/acre is below the historical average cost of $53,326/acre.

**Past Performance:** High  
Based on an assessment of the schedule and budget for the 8 ongoing projects.

**Complementary Efforts:** High  
City of St. Petersburg has an active stormwater utility that collects fees, an environmentally sensitive lands purchase program, exotic removal/treatment programs, an adopt a pong/highway program, and have an active land management presence permanently on-site.

**Project Readiness:** High  
Project is ready to begin on or before December 1, 2018.

## Strategic Goals

**Strategic Goals:** High  
**Strategic Initiative - Conservation and Restoration:** Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration.

**Tampa Bay Region Priority:** Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.

## Overall Ranking and Recommendation

**Fund as High Priority:** The project is cost effective and will increase natural systems within the Tampa Bay watershed, a SWIM priority waterbody. The District will be the lead on this project and will procure the consultant and contractor.

## Funding

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### Description

**Project No. N857**  
**Pasco County**  
**SW IMP - Flood Protection - Riverside Village Drainage Improvement**  
**Multi-Year Contract:** Yes, Year 1 of 3

This project is for 30% design and third party review of channel and culvert upgrades for the primary drainage systems within the Riverside Village neighborhood. District funding is for 30% design and third party review as this project has a conceptual construction estimate greater than $5 million dollars. The FY18 funding request is to complete 30% design and third party review which will provide the necessary information to support funding in future years to complete design, permitting and construction.

The contractual Measurable Benefit will be the completion of the 30% design and third party review of this proposed project to construct channel and culvert upgrades.

Total project cost $500,000 (30% design and third party review)  
Pasco County share $250,000  
District $250,000  
The conceptual estimate to complete design, permitting, and construction is $8,500,000 ($4,250,000 District share). It is anticipated that the County will request additional funding to complete design, permitting, and construction in future years.

#### Evaluation

**Application Quality:** Medium  
Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.

**Project Benefit:** High  
The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.

**Cost Effectiveness:** Low  
Benefit/cost ratio is less than 0.7.

**Past Performance:** High  
Based on an assessment of the schedule and budget for the 12 ongoing projects.

**Complementary Efforts:** Medium  
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

**Project Readiness:** High  
Project is ready to begin on or before December 1, 2017.

### Strategic Goals

**Strategic Goals:** Medium  
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

**Fund as Medium Priority.**  
The County is requesting funds to complete the conceptual design, 30% design, and third party review only. The results of the 30% design plans and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will reduce structure and street flooding during the 100 year, 24 hour storm event by upgrading channels and culverts in the primary stormwater system within the Riverside Village neighborhood.

### Funding

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**Project No. N865**

**Pasco County**

**Risk Level:** Type 3  
**Multi-Year Contract:** No

**Description:**
This project is for conceptual design, 30% design and third party review of the Magnolia Valley Storage and Wetland Enhancement Area. This project consists of excavation to provide stormwater storage and wetland enhancement on a former golf course purchased by the County as part of the previous cooperatively funded Magnolia Valley Stormwater Facility and Pump Station Project (N835). District funding is for 30% design and third party review as this project has a conceptual estimate greater than $5 million dollars. The FY18 funding request is to complete 30% design and third party review which will provide the necessary information to support funding in future years to complete design, permitting, and construction.

**Measurable Benefit:**
The contractual Measurable Benefit will be the completion of the conceptual design, 30% design, and third party review of this proposed project to construct stormwater storage and wetland enhancements.

**Costs:**
Total project cost $600,000 (Conceptual design, 30% design, third party review)
- Pasco County share $300,000
- District $300,000

The conceptual estimate to complete design, permitting, and construction is $12,400,000 ($6,200,000 District share). It is anticipated that the County will request funding to complete design, permitting, and construction in future years.

**Evaluation**

**Application Quality:** Medium  
Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.

**Project Benefit:** High  
The Resource Benefit of this project, if constructed, will reduce the existing flooding problem during the 100 year, 24 hour storm event. Structure and street flooding currently occurs in the project area and the project impacts the intermediate drainage system.

**Cost Effectiveness:** Low  
Benefit/cost ratio is less than or equal to 0.7.

**Past Performance:** High  
Based on an assessment of the schedule and budget for the 12 ongoing projects.

**Complementary Efforts:** Medium  
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

**Project Readiness:** High  
Project is ready to begin on or before December 1, 2017.

**Strategic Goals**

**High Strategic Goals:**
- **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.
- **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**

The County is requesting funds to complete the conceptual design, 30% design, and third party review only. The results of the 30% design plans and third party review will provide the District with better information to confirm the resource benefits and cost effectiveness of constructing this project. If constructed, this project will reduce structure and street flooding during the 100 year, 24 hour storm event by excavating storage within the former Magnolia Valley golf course. In addition, the added storage and wetland enhancement will have water quality benefits to stormwater discharges.

**Funding**

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WMP - City of Treasure Island Watershed Management Plan

Project No. N866
City of Treasure Island

Risk Level: Type 3  Multi-Year Contract: No

Description

Watershed Management Plan (WMP) for the City of Treasure Island in Pinellas County. The WMP will include Watershed Evaluation and generation of a watershed model, a Stormwater Master Plan, Level of Service (LOS) Determination, and Best Management Practices (BMPs) Alternative Analysis. FY2018 funding will be used to start and complete the WMP.

Measurable Benefit:
The contractual Measurable Benefit will be the development of a long term stormwater management plan and watershed model that will allow for the City of Treasure Island to propose more refined flood protection and water quality improvement projects in the future.

Costs:
Total project cost: $198,700
City of Treasure Island: $99,350

Evaluation

Application Quality: Medium
Application included most of the required information identified in the CFI Guidelines. District PM had to work with Cooperator to obtain remaining required information.

Project Benefit: High
The WMP will analyze flooding problems that exist in the watershed. Currently, flood analysis models are not available or are over 10 years old, and the watershed includes regional or intermediate stormwater systems.

Cost Effectiveness: Low
Project cost per square mile is in the high-range of historic costs (more than $50,000/sq mi) for WMPs completed in urban watersheds.

Past Performance: High
Based on an assessment of the schedule and budget for the 5 ongoing projects.

Complementary Efforts: Medium
Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.

Project Readiness: High
Project is ready to begin on or before December 1, 2017.

Strategic Goals

Strategic Goals: High
Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.
Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

Overall Ranking and Recommendation

Fund as Medium Priority.

This project identifies flood risk in an area with no detailed study information available. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

Funding

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**Project No. N869**

**SW IMP - Water Quality - Beach Street Stormwater System Improvements**

**New Port Richey**

**Description**

**Description:** Design, permitting and construction of stormwater improvement BMPs and the conveyance to those BMPs for untreated runoff contributing to Pithlachascotee River in New Port Richey, Florida.

**Measurable Benefit:** The contractual Measurable Benefit will be the construction of LID BMPs to treat stormwater runoff from a 13 acre highly urbanized watershed. There will be no monitoring or performance testing requirements.

**Costs:**

- Total project cost: $708,800 (Design, permitting and construction)
- City of St. Petersburg: $354,400
- District: $354,400 requested in FY18.

**Evaluation**

- **Application Quality:** Medium
  
  Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

- **Project Benefit:** Medium
  
  The Resource Benefit of this water quality project is the reduction of pollutant loads to Pithlachascotee River by an estimated 5,200 lbs/yr of TSS.

- **Cost Effectiveness:** Medium
  
  The estimated cost/lb of TSS removed is below the historical average cost of $12/lb, and the cost/acre treated is above the historical average cost of $8,050/acre treated for Urban/Suburban water quality projects.

- **Past Performance:** Medium
  
  Based on an assessment of the schedule and budget for the 3 ongoing projects.

- **Complementary Efforts:** High
  
  The City has an active stormwater utility that collects fees.

- **Project Readiness:** High
  
  Project is expected to begin on or before December 1, 2017.

**Strategic Goals**

- **Strategic Goals:** Medium

  **Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.

**Overall Ranking and Recommendation**

- **Fund as Medium Priority:** The project is cost effective and will improve water quality discharged to Pithlachascotee River, a non-priority waterbody.

**Funding**

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**Project No. N872**

**WMP - Silver/Twin Lake Watershed Management Plan Update**

**Hillsborough County**

| Risk Level: | Type 3 | Multi-Year Contract: No |

**Description**

Watershed Management Plan (WMP) and model update, floodplain delineation, and Best Management Practices (BMP) alternative analysis for the Silver/Twin Lake Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates. The existing WMP and model are based on 2006 land use data. The County will be utilizing new LiDAR data obtained from project N767 to complete the WMP update.

**Measurable Benefit:**

The contractual Measurable Benefit will be the WMP and model update, floodplain delineation and BMP alternative analysis for the Silver/Twin Lake Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates.

**Costs:**

- Total project cost $50,000
- Hillsborough County $25,000
- District $25,000 requested in FY18.

**Evaluation**

- **Application Quality:** High
  - Application included all the required information identified in the CFI Guidelines.

- **Project Benefit:** Medium
  - Identification of flooding problems that exist in the watershed and solutions. Currently, flood analysis models are available and are from 5 to 10 years old, and the watershed includes regional or intermediate stormwater systems.

- **Cost Effectiveness:** Low
  - Project cost per square mile is below the low-range of historic costs (greater than $6,000) for WMP updates, floodplain determination, and BMP alternative analysis.

- **Past Performance:** Medium
  - Based on an assessment of the schedule and budget for the 10 ongoing projects.

- **Complementary Efforts:** High
  - Cooperator's Community Rating System class is 5 and is in the 5 or better range.

- **Project Readiness:** High
  - Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

**Strategic Goals**

- **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**

Fund as Medium Priority.

This project updates flood risk in an area with existing detailed study information more than 5 years old. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

**Funding**

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**Project No. N887**

**Hillsborough County**

**Description**

**Type 2**

**Multi-Year Contract:** No

**Risk Level:**

**Project No. N887**

**Hillsborough County**

**SW IMP - Water Quality - Delaney Creek Improvements**

**Fiscal Year:** FY2018

**Description:**

Construction of stormwater improvement BMPs and conveyance to those BMPs for untreated runoff contributing to Delaney Creek, a FDEP nutrient impaired waterbody in Hillsborough County.

**Measurable Benefit:**

The contractual Measurable Benefits will be the construction of stormwater BMPs to treat runoff from a 130 acre highly urbanized watershed. There will be no monitoring or performance testing requirements.

**Costs:**

- **Total project cost:** $346,126 (Construction only)
- **Hillsborough County cost:** $173,063
- **District cost:** $173,063 requested in FY18

**Evaluation**

**Application Quality:** Low

Application did not include the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain all the required information.

**Project Benefit:** High

The Resource Benefit of this water quality project is the reduction of pollutant loads to Delaney Creek by an estimated 211 lbs/yr of TN.

**Cost Effectiveness:** High

The estimated cost/lb of TN removed is below the historical average cost of $224, and the cost/acre treated is below the historical average cost of $8,050/acre for Urban/Suburban water quality projects.

**Past Performance:** Medium

Based on an assessment of the schedule and budget for the 10 ongoing projects.

**Complementary Efforts:** High

The County has an active stormwater utility that collects fees.

**Project Readiness:** High

Construction is expected to begin on or before December 1, 2017

**Strategic Goals**

**Strategic Goals:** Medium

**Strategic Initiative - Water Quality Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve water quality.

**Overall Ranking and Recommendation**

Fund as Medium Priority. The project is cost effective and will improve water quality discharged to Delaney Creek, an identified FDEP impaired waterbody.

**Funding**

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**Risk Level:** Type 3  
**Multi-Year Contract:** No

### Description

**Description:** New floodplain delineation for approximately 10 watersheds within Hillsborough County. The project will be utilizing the new LiDAR data that was collected from the cooperatively funded project N767 Hillsborough County LiDAR. Previous LiDAR data used to delineate the floodplain in the previous watershed updates ranged from 2006 to 2011. The new floodplain delineation will provide best available information to SWFWMD Regulation staff and County development staff. Currently, FEMA's effective 100 year floodplain was developed based on the County's 2001 version 17 watershed hydrologic/hydraulic model results. The information produced from the floodplain will also be provided to FEMA for future map revisions.

**Measurable Benefit:** The contractual Measurable Benefit will be completion of the floodplain delineation for approximately 10 watersheds within Hillsborough County.

**Costs:** Total project cost: $300,000;  
- Hillsborough County: $150,000;  
- District: $150,000 requested in FY2018.

### Evaluation

**Application Quality:** High  
Application included all the required information identified in the CFI Guidelines.

**Project Benefit:** High  
The study will analyze the floodplain according to new LiDAR data. Currently, the floodplain delineations are over 10 years old, and the watershed includes regional or intermediate stormwater systems.

**Cost Effectiveness:** High  
Cost is $4,000 or less/sq. mi.

**Past Performance:** Medium  
Based on an assessment of the schedule and budget for the 10 ongoing projects.

**Complementary Efforts:** High  
Cooperator's Community Rating System class is 5 and is in the 5 or better range.

**Project Readiness:** High  
Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

### Strategic Goals

**Strategic Goals:** Medium  
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

Fund as Medium Priority.

- Project will provide updated floodplain delineation for approximately 10 watersheds within Hillsborough County. FEMA's effective 100 year floodplain was developed based on the County's 2001 version 17 watershed hydrologic/hydraulic model results. New results will be provided to FEMA for future updates to the maps.

### Funding

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### Project No. N897 - WMP - Duck Pond Watershed Management Plan Update

**Hillsborough County**

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<tr>
<td>Multi-Year Contract:</td>
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**Description**

Watershed Management Plan (WMP) and model update, floodplain delineation, and Best Management Practices (BMP) alternative analysis for the Duck Pond Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates. The existing WMP and model are based on 2006 land use data. The County will be utilizing new LiDAR data obtained from project N767 to complete the WMP update.

**Measurable Benefit:**

The contractual Measurable Benefit will be the WMP and model update, floodplain delineation and BMP alternative analysis for the Silver/Twin Lake Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates.

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**Evaluation**

- **Application Quality:** High
- **Project Benefit:** Medium
- **Cost Effectiveness:** Low
- **Past Performance:** Medium
- **Complementary Efforts:** High
- **Project Readiness:** High

**Strategic Goals**

- **Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**

Fund as Medium Priority. This project updates flood risk in an area with existing detailed study information more than 5 years old. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

**Funding**

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### Project No. N903

**WMP - East Lake Watershed Management Plan Update**

**Hillsborough County**

**Project Details:**
- **Risk Level:** Type 3
- **Multi-Year Contract:** No
- **Type 3 Multi-Year Contract:** No
- **Costs:** Total project cost $100,000
  - Hillsborough County $50,000
  - District $50,000 requested in FY18.

#### Description
- **Watershed Management Plan (WMP) and model update, floodplain delineation, and Best Management Practices (BMP) alternative analysis for the East Lake Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates.** The existing WMP and model are based on 2006 land use data. The County will be utilizing new LiDAR data obtained from project N767 to complete the WMP update.

#### Measurable Benefit
- The contractual Measurable Benefit will be the WMP and model update, floodplain delineation and BMP alternative analysis for the Silver/Twin Lake Watershed in Hillsborough County using digital topographic information, ERP data, and land use updates.

#### Costs
- **Total project cost:** $100,000
  - Hillsborough County $50,000
  - District $50,000 requested in FY18.

#### Evaluation
- **Application Quality:** High
  - Application included all the required information identified in the CFI Guidelines.
- **Project Benefit:** Medium
  - Identification of flooding problems that exist in the watershed and solutions. Currently, flood analysis models are available and are from 5 to 10 years old, and the watershed includes regional or intermediate stormwater systems.
- **Cost Effectiveness:** Low
  - Project cost per square mile is below the low-range of historic costs (greater than $6,000) for WMP updates, floodplain determination, and BMP alternative analysis.
- **Past Performance:** Medium
  - Based on an assessment of the schedule and budget for the 10 ongoing projects.
- **Complementary Efforts:** High
  - Cooperator's Community Rating System class is 5 and is in the 5 or better range.
- **Project Readiness:** High
  - Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.

#### Strategic Goals
- **Strategic Goals:** Medium
  - Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

#### Overall Ranking and Recommendation
- **Fund as Medium Priority.** This project updates flood risk in an area with existing detailed study information more than 5 years old. The resulting product will be utilized for flood insurance determination, help implement solutions that alleviate flood risk and improve water quality, and enhance the planning of future development in the project area.

#### Funding

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<tr>
<td><strong>Project No. N906</strong></td>
<td><strong>New Port Richey</strong></td>
<td><strong>SW IMP - Water Quality - Hemlock Drive Stormwater System Improvements</strong></td>
<td></td>
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<tr>
<td>Risk Level:</td>
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<td>Multi-Year Contract: No</td>
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<tr>
<td><strong>Description</strong></td>
<td></td>
<td>Design, permitting and construction of stormwater improvement BMPs connected to the main stormwater pipeline along Hemlock Drive within the City of New Port Richey.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurable Benefit:</td>
<td></td>
<td>The contractual Measurable Benefit will be the design and construction of stormwater BMPs to treat approximately 12 acres of urbanized watershed. There will be no monitoring or performance testing requirements.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Costs:</td>
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<td>Total project cost: $60,000 (Design, permitting and Construction)</td>
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<tr>
<td></td>
<td></td>
<td>City of New Port Richey share: $30,000</td>
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<tr>
<td></td>
<td></td>
<td>District share: $30,000 requested in FY18</td>
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<tr>
<td><strong>Evaluation</strong></td>
<td></td>
<td>Application Quality: Medium</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Application included most of the required information identified in the CFI guidelines. District CM had to work with cooperator to obtain remaining required information.</td>
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<tr>
<td></td>
<td></td>
<td>Project Benefit: Medium</td>
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<tr>
<td></td>
<td></td>
<td>The Resource Benefit of this water quality project is the reduction of pollutant loads within the Lower Coastal Watershed by an estimated 4,150 lbs/yr of TSS and 24 lbs/yr of TN.</td>
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<td></td>
<td></td>
<td>Cost Effectiveness: High</td>
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<td></td>
<td>The estimated cost/lbs of TN and TSS removed are below the historical average of $224/lb and $12/lb respectively, and cost/acre treated is below the historical average cost of $8,050/acre for urban/suburban water quality projects.</td>
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<td></td>
<td></td>
<td>Past Performance: Medium</td>
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<tr>
<td></td>
<td></td>
<td>Based on an assessment of the schedule and budget for the 3 ongoing projects.</td>
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<tr>
<td></td>
<td></td>
<td>Complementary Efforts: High</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>The City has an active stormwater utility that collects fees.</td>
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<tr>
<td></td>
<td></td>
<td>Project Readiness: High</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Project is ready to begin on or before December 1, 2017.</td>
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<td></td>
</tr>
<tr>
<td><strong>Strategic Goals</strong></td>
<td>Medium</td>
<td><strong>Strategic Initiative - Water Quality Maintenance and Improvement</strong>: Develop and implement programs, projects and regulations to maintain and improve water quality.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Overall Ranking and Recommendation</strong></td>
<td></td>
<td>Fund as Medium Priority. This project is cost effective and provides water quality improvements to a non-priority water body for an area where treatment is not currently provided.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Funding</strong></td>
<td></td>
<td><strong>Funding Source</strong></td>
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<td>Total</td>
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<td>$60,000</td>
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</table>
### Description

**Design:**
Design, permitting, and construction of conveyance improvements along the Lower Spring Branch of Stevenson Creek in Pinellas County. FY2018 funding will be used for design (City) and construction (County).

**Measurable Benefit:**
The contractual Measurable Benefit will be the conveyance improvements at the Douglas Avenue, Springtime Avenue, Overbrook Avenue and Sunset Point Road crossings of the Lower Spring Branch system.

**Costs:**
Total project cost: $5,150,265 (Design, permitting, construction)
- Pinellas County: $1,410,000
- City of Clearwater: $1,165,133
- District: $2,575,132 with $672,500 budgeted in FY2018, and $1,902,632 anticipated to be requested in future year.

### Evaluation

**Application Quality:** Low
District PM had to work with the Cooperator to obtain required information and Cooperator was unable to provide required information.

**Project Benefit:** High
The Resource Benefit of this project will reduce the existing flooding problem during the 100 year, 24-hour storm event, providing flood relief for approximately 11 homes. Structure and street flooding currently occurs in the project area and the project impacts the regional or intermediate drainage system.

**Cost Effectiveness:** Low
Based on available cost information, the Benefit/Cost ratio is less than 0.7.

**Past Performance:** Medium
Based on an assessment of the schedule and budget for a combined 11 ongoing projects.

**Complementary Efforts:** High
Cooperator’s Community Rating System class is 5 and is in the 5 or better range.

**Project Readiness:** High
Project is ready to begin on or before December 1, 2017.

### Strategic Goals

**Strategic Goals:** Medium
**Strategic Initiative - Floodplain Management:** Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

### Overall Ranking and Recommendation

Fund as Medium Priority.
This project will reduce structure and street flooding during the 100 year, 24 hour storm event by constructing conveyance improvements along the Lower Spring Branch of Stevenson Creek in Pinellas County. The District is still evaluating whether or not third party review will be required for this project.

### Funding

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<tr>
<td>District</td>
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<td>$3,805,265</td>
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**Project No. N941**  
**Pinellas Co. School Bd.**  
**SW IMP - Water Quality - Allens Creek Improvements at Plumb Elementary**  

**Risk Level:** Type 2  
**Multi-Year Contract:** No  

**Description**

**Description:** Construction of ditch bank stabilization and plantings along both banks of 1,150 linear feet of shoreline to improve water quality in Allen's Creek, also known as Stephen's Creek. The project location is in the vicinity of Plumb Elementary School in the City of Clearwater.

**Measurable Benefit:** The contractual Measurable Benefit will be the construction of 1,150 linear feet of bank stabilization in Allen's Creek. There will be no monitoring or performance testing requirements.

**Costs:**
- Total project cost: $1,500,000 (Construction only)
- Pinellas County School Board share: $625,000
- City of Clearwater share: $250,000
- District share: $625,000 requested in FY18.

**Evaluation**

**Application Quality:** Medium  
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

**Project Benefit:** Medium  
The Resource Benefit of this water quality project is the reduction of pollutant loads to Allen's Creek by an estimated 18,000 lbs/year TSS.

**Cost Effectiveness:** Medium  
The estimated cost/lb of TSS removed is below the historical average cost of $12/lb for urban/suburban water quality projects and the cost/linear foot of shoreline restored is more than the $269/linear foot for historical shoreline restoration projects.

**Past Performance:** High  
Based on the cooperator having no ongoing projects with the District they are ranked high.

**Complementary Efforts:** Low  
Applicant has no complementary efforts.

**Project Readiness:** Medium  
Project is ready to begin on or before March 1, 2018.

**Strategic Goals**

**Strategic Goals:** Medium  
Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.

**Overall Ranking and Recommendation**

Fund as Medium Priority. The project is cost effective and will reduce stormwater impacts to Allen’s Creek through a reduction in sediment load.

**Funding**

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<th>Funding Source</th>
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</table>
Project No. N944  Study – Magnolia Valley Slough Restoration
Pasco County

Risk Level: Type 3          Multi-Year Contract: No
FY2018

Description

Description: This project is for conceptual design/feasibility of 130 acres of wetland enhancement and restoration project in the Salt Spring Springshed, a second magnitude, nutrient-impaired spring.

Measurable Benefit: The contractual Measurable Benefit will be conceptual design/feasibility for enhancement and restoration of approximately 130 acres of wetlands in the Salt Spring Springshed.

Costs:
- Total project cost: $175,000 (conceptual design/feasibility)
  - Pasco County cost: $87,500
  - District cost: $87,500

Evaluation

Application Quality: High

Application included all of the required information identified in the CFI guidelines.

Project Benefit: High

The benefit of this water quality project is the completion of conceptual design for projects to enhance and restore approximately 130 acres of wetlands, which will reduce nutrient loading in the Salt Spring Springshed. Salt Spring is verified to be impaired by FDEP. This project will also reduce the potential for flooding by providing additional water storage.

Cost Effectiveness: High

The cost effectiveness is solely an analysis of the estimated project cost as compared to the costs of similar projects such as P128 (Inglis WWTF Feasibility Study) and N771 (Hernando County Advanced Wastewater Treatment Mast Plan Feasibility Study).

Past Performance: High

Based on an assessment of the schedule and budget for the 12 ongoing projects.

Complementary Efforts: High

Pasco County has an active, environmentally sensitive land purchase program and maintains nature parks and open spaces within the park system. The County operates Adopt-a-Pond and Adopt-a-Road programs. The County also has an active stormwater utility that collects fees.

Project Readiness: High

Project is ready to begin on or before December 1, 2017.

Strategic Goals

Strategic Goals: High

- Strategic Initiative - Water Quality Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve water quality.
- Strategic Initiative - Conservation and Restoration: Identify critical environmentally sensitive ecosystems and implement plans for protection or restoration.

Overall Ranking and Recommendation

Fund as Medium Priority. This project is cost effective and will improve water quality discharged to Salt Spring, a non-priority waterbody.

Funding

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<tr>
<td><strong>Description</strong></td>
<td>Design, permitting, land acquisition and construction to improve the existing drainage system for the Manhattan and El Prado area to relieve residential structure and street flooding. The project was identified in the Basis of Design Report (BODR) developed in September 2013. FY2018 funding is an increase in funding to complete construction of the outfall conveyance improvements.</td>
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<tr>
<td><strong>Measurable Benefit:</strong></td>
<td>The contractual Measurable Benefit will be to upgrade the existing drainage conveyance system with water quality treatment system, in accordance with the final permitted design plans.</td>
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<tr>
<td><strong>Costs:</strong></td>
<td>Total project cost $11,318,622; (Design, permitting, land acquisition, construction) ($4,808,622 cost increase from what was originally approved) City of Tampa $5,659,311 District $5,659,311 with $3,255,000 budgeted in previous years and $2,404,311 (District share of cost increase) requested in FY2018.</td>
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<tr>
<td><strong>Application Quality:</strong></td>
<td>Low</td>
<td>Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with the cooperator to obtain remaining required information. Benefit/Cost Analysis was received on January 9th, 2017.</td>
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<tr>
<td><strong>Project Benefit:</strong></td>
<td>High</td>
<td>Structure and street flooding occur in the project area, the project impacts the regional or intermediate drainage system, and the project will reduce the existing flood problem.</td>
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<tr>
<td><strong>Cost Effectiveness:</strong></td>
<td>Low</td>
<td>The City recently submitted detailed benefit and cost analyses based on current project data. The District is continuing to evaluate the project information, and the Cost Effectiveness ranking may change once the evaluation is complete.</td>
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<tr>
<td><strong>Past Performance:</strong></td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for the 6 ongoing projects.</td>
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<tr>
<td><strong>Complementary Efforts:</strong></td>
<td>Medium</td>
<td>Cooperator's Community Rating System class is 6 and is in the 6 to 9 range.</td>
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<tr>
<td><strong>Project Readiness:</strong></td>
<td>High</td>
<td>The project is ongoing and on schedule.</td>
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<tr>
<td><strong>Strategic Goals</strong></td>
<td>Medium</td>
<td><strong>Strategic Initiative - Floodplain Management:</strong> Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Overall Ranking and Recommendation</strong></td>
<td>Low Priority, not recommended for funding.</td>
<td>The project has experienced a significant cost increase. Based on District guidelines, the project is currently ranked low because the cost increase is greater than 20 percent. However, the District continues to work with the City to better define if there is a corresponding increase of the resource benefit. If the resource benefit improves, the ranking might change.</td>
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</tr>
<tr>
<td><strong>Funding</strong></td>
<td></td>
<td><strong>FY2018</strong></td>
<td><strong>Future</strong></td>
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<tr>
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<td>$11,318,622</td>
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<td>Project No. N839</td>
<td>SW IMP - Flood Protection - Forest Hills Lake Conveyance Improvement</td>
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<tr>
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<tr>
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<tr>
<td>Multi-Year Contract:</td>
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</table>

**Description**

- **Description:** Design, permitting, and construction of conveyance improvements and culvert upsizing within the eastern portion of the Forest Hills neighborhood in southwestern Pasco County to provide flood relief.
- **Measurable Benefit:** The contractual Measurable Benefit will be to remove three structures from the 100 year, 24 hour storm floodplain by constructing conveyance improvements.

**Costs:**

- Total project cost $3,050,000 (Design, permitting, construction)
- Pasco County share $1,525,000
- District $1,525,000 with $125,000 requested in FY2018, and $1,400,000 anticipated to be requested in future years.

**Evaluation**

- **Application Quality:** Medium - Application included most of the required information identified in the CFI guidelines. District PM had to work with cooperator to obtain remaining required information.
- **Project Benefit:** Low - The Resource Benefit of this project is low because it does not impact the regional or intermediate drainage system.
- **Cost Effectiveness:** Low - Benefit/cost ratio is less than 0.7.
- **Past Performance:** High - Based on an assessment of the schedule and budget for the 12 ongoing projects.
- **Complementary Efforts:** Medium - Cooperater's Community Rating System class is 6 and is in the 6 to 9 range.
- **Project Readiness:** High - Project is ready to begin on or before December 1, 2017.

**Strategic Goals**

- **Strategic Goals:** Medium - Strategic Initiative - Floodplain Management: Develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Overall Ranking and Recommendation**

- Low Priority, not recommended for funding.

**Funding**

<table>
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</tbody>
</table>

**Description**

Geomorphic analysis of the Curlew Creek and Smith Bayou watershed in Pinellas County.

**Measurable Benefit:**

The contractual Measurable Benefit will be the development of recommendations for stream and sediment management. Where feasible, environmentally-friendly methods of improving and rehabilitating function and form of the stream system will be identified.

**Costs:**

- Total project cost: $120,000
- Pinellas County: $60,000
- District: $60,000 with $60,000 requested in FY2018.

**Evaluation**

<table>
<thead>
<tr>
<th>Application Quality:</th>
<th>Medium</th>
<th>Application included most of the required information identified in the CFI Guidelines. District PM had to work with Cooperator to obtain remaining required information.</th>
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<tbody>
<tr>
<td>Project Benefit:</td>
<td>Low</td>
<td>Unable to quantify resource benefit as this is not a typical project that the District funds and therefore does not fall under any specific project type category.</td>
</tr>
<tr>
<td>Cost Effectiveness:</td>
<td>Medium</td>
<td>Cost is based on reasonable estimate to perform the analysis.</td>
</tr>
<tr>
<td>Past Performance:</td>
<td>Medium</td>
<td>Based on an assessment of the schedule and budget for the 4 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts:</td>
<td>High</td>
<td>Cooperator’s Community Rating System class is 5 and is in the 5 or better range.</td>
</tr>
<tr>
<td>Project Readiness:</td>
<td>High</td>
<td>Project is ready to begin on or before December 1, 2017.</td>
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**Strategic Goals**

<table>
<thead>
<tr>
<th>Strategic Goals:</th>
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<th>Strategic Initiative: None</th>
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</thead>
<tbody>
<tr>
<td>Region Priority:</td>
<td>None</td>
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</table>

**Overall Ranking and Recommendation**

Low Priority, not recommended for funding. Project is ranked low because the project benefit has not been quantified and the strategic goals to be addressed by the project have not been identified. The ongoing Curlew Creek & Smith Bayou WMP project (N734) is evaluating watershed BMP alternatives; the analyses proposed in this project may be better addressed through the WMP project.

**Funding**

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</tr>
<tr>
<td>Feasibility analysis to evaluate the Little Manatee floodway utilizing velocity instead of encroachment methodology from new model results. Previously the floodway was delineated utilizing HEC 2 software from the 1980's to 1990's. The new methodology will provide a more accurate, unique floodway delineation that will be more cost effective. The County will also be working with FEMA to approve this new methodology for all floodway to be delineated in the future.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measurable Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>The contractual Measurable Benefit will be completing a feasibility analysis to evaluate the Little Manatee floodway utilizing velocity instead of encroachment methodology.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total project cost: $200,000; (feasibility analysis)</td>
</tr>
<tr>
<td>Hillsborough County: $100,000;</td>
</tr>
<tr>
<td>District: $100,000 requested in FY2018.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Quality: High</td>
</tr>
<tr>
<td>Application included all the required information identified in the CFI Guidelines.</td>
</tr>
<tr>
<td>Project Benefit: Low</td>
</tr>
<tr>
<td>The feasibility analysis is important to the local governments, but the District does not utilize floodway for management of flooding.</td>
</tr>
<tr>
<td>Cost Effectiveness: High</td>
</tr>
<tr>
<td>Cost is $4,000 or less/sq. mi.</td>
</tr>
<tr>
<td>Past Performance: Medium</td>
</tr>
<tr>
<td>Based on an assessment of the schedule and budget for the 10 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts: High</td>
</tr>
<tr>
<td>Cooperator's Community Rating System class is 5 and is in the 5 or better range.</td>
</tr>
<tr>
<td>Project Readiness: High</td>
</tr>
<tr>
<td>Project is ready to begin on or before December 1st of the fiscal year the funding is being requested.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Strategic Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
</tr>
<tr>
<td>Strategic Initiative: None</td>
</tr>
<tr>
<td>Region Priority: None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall Ranking and Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Priority, not recommended for funding.</td>
</tr>
<tr>
<td>This project is important to the local governments, but not a District priority. This analysis is not usually a part of the watershed management plans. FEMA funding may be available for the local governments to perform updates to the existing floodways.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding Source</td>
</tr>
<tr>
<td>District</td>
</tr>
<tr>
<td>Hillsborough County</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>
## Project No. N855
### Restoration – South Hillsborough Aquifer Recharge Expansion (SHARE) - Phase 1

**Hillsborough County**

<table>
<thead>
<tr>
<th>Risk Level:</th>
<th>Multi-Year Contract:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 3</td>
<td>Yes, Year 1 of 4</td>
</tr>
</tbody>
</table>

### Description

- **Design**: Design, permit, and construct Phase 1 of the South Hillsborough Aquifer Recharge Expansion (SHARE) project. Phase 1 includes construction of 9,500 feet of reclaimed water transmission mains; design, permitting, and construction of two reclaimed water aquifer recharge wells (2 mgd each) and eight monitoring wells; and installation of associated appurtenances. The SHARE project expands upon the County's current recharge project (SHARP; N287) and will consist of seven recharge wells with a total annual average recharge flow of 14 mgd in Southern Hillsborough County.

### Measurable Benefit:

- The contractual Measurable Benefit of Phase 1 will be annual average recharge to the Upper Floridan aquifer in the SWUCA/MIA of up to 4 mgd to help achieve the Saltwater Intrusion Minimum Aquifer Level (SWIMAL).

### Costs:

- **Total project cost**: $10,100,000 (design, permitting and construction)
- **Hillsborough County share**: $5,650,000
- **District share**: $4,450,000 with $3,187,500 budgeted in FY2018 and $1,262,500 anticipated to be requested in future years. County plans to initiate design in FY2017; District FY2018 funds cannot be used to fund work completed in FY2017.

### Evaluation

- **Application Quality**: Medium - Project information is conceptual. Clarification is needed on potential issues with the SHARP regarding the location of recharge wells, aquifer water quality in the recharge zone, and timing of when costs will be incurred.
- **Project Benefit**: Medium - The proposed benefit of this project is to expand the use of reclaimed water to recharge non-potable portions of the Upper Floridan aquifer to slow the rate of saltwater intrusion in the MIA of the SWUCA and contribute towards achieving the SWUCA SWIMAL. However, the benefit to the groundwater resources of the MIA as influenced by the location of the recharge relative to the saltwater interface in the aquifer has not been fully determined. The results of the SHARP project later this year will help to confirm project benefits.
- **Cost Effectiveness**: High - The project costs are consistent with the range of costs for similarly funded District projects.
- **Past Performance**: Medium - Based on assessment of the schedule and budget for 10 ongoing projects.
- **Complementary Efforts**: High - Hillsborough County’s reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
- **Project Readiness**: High - Project is ready to begin on or before December 1, 2017.

### Strategic Goals

- **Strategic Initiative - Reclaimed Water**: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.
- **Tampa Bay Region Priority**: Implement Minimum Flow and Level (MFL) Recovery Strategies.

### Overall Ranking and Recommendation

- **Low Priority, not recommended for funding.** Requested funds are for design, permitting and construction of Phase 1 of the County's SHARE project that will provide up to 4 mgd of aquifer recharge in the SWUCA/MIA. The project appears to be a good project but is currently ranked low pending the results of the County's SHARP project where effects on aquifer levels and water quality will be demonstrated. These results will be used to verify project benefits and help identify and quantify potential effects of injecting water into the seaward side of the saltwater interface. Results are expected in the 3rd quarter of FY2017.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$3,187,500</td>
<td>$1,262,500</td>
<td>$4,450,000</td>
</tr>
<tr>
<td>Hillsborough County</td>
<td>$1,200,000</td>
<td>$3,187,500</td>
<td>$1,262,500</td>
<td>$5,665,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$1,200,000</td>
<td>$6,375,000</td>
<td>$2,525,000</td>
<td>$10,100,000</td>
</tr>
</tbody>
</table>
Description:
Purchasing and decommissioning of the Florida Government Utility Association owned Jasmine Lakes and Palm Terrace Wastewater Treatment Plants, as well as the Design, Permitting, and Construction of a sewer interconnect from the two WWTPs to the Pasco County system to reduce inflow & infiltration and sewer overflows.

Measurable Benefit:
Reduced occurrence and permit violations for discharge of untreated/partially treated wastewater. The project is for the purchase and decommissioning of aging wastewater treatment plants which are outside any springsheds. This project does not generate or enhance alternative water supplies and there is no increased benefit to the groundwater resources in any springsheds.

Costs:
Total Project Cost: $18,488,000 (Design, Permitting, Purchasing and Construction);
  County Share (50%): $9,488,000;
  District Share (50%): $9,244,000, of which $8,000,000 is requested in FY18 for the purchase of the wastewater treatment plants and remaining $1,244,000 is anticipated in future fiscal years for WWTP decommissioning and sewer system interconnects.

Evaluation
Application Quality: Medium
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

Project Benefit: Low
Reduced occurrence and permit violations for discharge of untreated/partially treated wastewater. The project is for the purchase and decommissioning of aging wastewater treatment plants which are outside any springsheds. This project does not generate or enhance alternative water supplies and there is no increased benefit to the groundwater resources in any springsheds.

Cost Effectiveness: Low
Not Eligible for CFI per FY2018 CFI Guidelines. Funding is not available for: renewal and replacement expenses of infrastructure; permit violation compliance; responses to required District or other agency permits; components that are the responsibility of the cooperator according to a permit or legislation; and any item related to DEP requirements for wastewater treatment (including upgrades) and disposal of wastewater.

Past Performance: High
Based on an assessment of the schedule and budget for 12 ongoing projects.

Complementary Efforts: High
Pasco County reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits

Project Readiness: High
The project is ready to begin on or before December 1, 2017.

Strategic Goals
Strategic Goals: Low
Strategic Initiative: None
Region Priority: None

Overall Ranking and Recommendation
Low Priority, not recommended for funding. Not recommended. This project is to purchase and decommission two wastewater treatment plants. The District's Cooperative Funding Initiative Guidelines specify that wastewater treatment (including upgrades) are not eligible for District CFI funding.
<table>
<thead>
<tr>
<th>Project No. N910</th>
<th>Reclaimed Water - Pasco County Embassy Hills Basin Water Quality Improvement Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pasco County</td>
<td>FY2018</td>
</tr>
</tbody>
</table>

| Risk Level:     | Type 2                                                                          |
| Multi-Year Contract: | Yes, Year 1 of 3                  |

**Description**

- **Design:** Design, permitting and construction of the expansion and upgrades to the Pasco County Embassy Hills Wastewater Treatment Plant and sewer system to reduce inflow & infiltration and sewer overflows.
- **Reduced occurrence and permit violations for discharge of untreated/partially treated wastewater.**
- **Measurable Benefit:** Reduced occurrence and permit violations for discharge of untreated/partially treated wastewater. The project is to upgrade a wastewater treatment plant and repair aging infrastructure outside of any springshed. The project does not generate or enhance alternative water supplies, nor is there any increased benefit to the groundwater resources in a springshed.

**Costs:**

- **Total Project Cost:** $50,000,000 (Design, Permitting, and Construction);
- **County Share:** $25,000,000;
- **District Share:** $25,000,000, of which $5,500,000 is requested in FY18 for wastewater treatment plant components and remaining $19,500,000 is anticipated in future fiscal years for sewer system upgrades/repair.

**Evaluation**

- **Application Quality:** Medium
  - Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.
- **Project Benefit:** Low
  - Reduced occurrence and permit violations for discharge of untreated/partially treated wastewater. The project is to upgrade a wastewater treatment plant and repair aging infrastructure outside of any springshed. The project does not generate or enhance alternative water supplies, nor is there any increased benefit to the groundwater resources in a springshed.
- **Cost Effectiveness:** Low
  - Not Eligible for CFI per FY2018 CFI Guidelines: renewal and replacement expenses of infrastructure; permit violation compliance; responses to required District or other agency permits; components that are the responsibility of the cooperator according to a permit or legislation; and any item related to DEP requirements for wastewater treatment (including upgrades) and disposal of wastewater.
- **Past Performance:** High
  - Based on an assessment of the schedule and budget for 12 ongoing projects.
- **Complementary Efforts:** High
  - Pasco County reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.
- **Project Readiness:** High
  - The project is ready to begin on or before December 1, 2017.

**Strategic Goals**

- **Strategic Goals:** Low
- **Strategic Initiative:** None
- **Region Priority:** None

**Overall Ranking and Recommendation**

- Low Priority, not recommended for funding.
- This project is to upgrade a wastewater treatment plant. The District's Cooperative Funding Initiative Guidelines specify that wastewater treatment (including upgrades) are not eligible for District CFI funding.

**Funding**

| Funding Source | Prior FY2018 | Future FY2018 | Total |\n|----------------|-------------|---------------|-------|
| District       | $0          | $5,500,000    | $19,500,000 | $25,000,000 |
| Pasco County   | $0          | $5,500,000    | $19,500,000 | $25,000,000 |
| Total          | $0          | $11,000,000   | $39,000,000 | $50,000,000 |
### Project No. N914
Reclaimed Water-Pasco County Land O Lakes Recreation Center Reclaimed Water Project

#### Risk Level: Type 2  Multi-Year Contract: No

#### Description
Construction of approximately 300 feet of 2 to 4 inch reclaimed water line and other necessary appurtenances to supply more than 25 acres of irrigated recreation facilities at the Land O'Lakes Recreation Center.

#### Measurable Benefit:
The Measurable Benefit, which will be the contractual requirement, is the supply 0.14 mgd of reclaimed water for recreational irrigation use in the NTBWUCA.

#### Costs:
Total project cost: $31,600 (construction);
Pasco County share: $15,800;
District share: $15,800; all of which is requested in FY2018.

### Evaluation

#### Application Quality: Medium
Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

#### Project Benefit: High
The supply 0.14 mgd of reclaimed water for recreational irrigation use in the NTBWUCA.

#### Cost Effectiveness: Low
$0.38 per gallon per day capital cost which is below the $10 to $15 per gallon average for alternative supplies. The estimated cost/benefit is $0.09 per thousand gallons of water resource benefit which is below the cost range for reuse projects which typically range from a low of $0.15/1,000 gallons for golf course projects up to $10.00/1,000 gallons for residential projects. However, project costs are very high in comparison to District unit rates for pipe installation. Unit costs are at least $25 per inch of pipe diameter, per linear foot of pipe, which is significantly higher than District unit rates which range from about $4 to $10 for similar installations.

#### Past Performance: High
Based on an assessment of the schedule and budget for 12 ongoing projects.

#### Complementary Efforts: High
Pasco County’s reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.

#### Project Readiness: High
Project is ready to begin on or before December 1, 2017.

### Strategic Goals

#### Strategic Goal - Reclaimed Water: Maximize beneficial use of reclaimed water to offset potable water supplies and restore water levels and natural systems.


### Overall Ranking and Recommendation
Low Priority, not recommended for funding. The project is not recommended for funding due to the high component costs in comparison to similar pipeline projects, and the small scale of the project.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2018</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pasco County</td>
<td>$0</td>
<td>$15,800</td>
<td>$0</td>
<td>$15,800</td>
</tr>
<tr>
<td>District</td>
<td>$0</td>
<td>$15,800</td>
<td>$0</td>
<td>$15,800</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$31,600</td>
<td>$0</td>
<td>$31,600</td>
</tr>
</tbody>
</table>
**Project No. N942**

**Study - Pasco County Septic Tank Abatement Feasibility Study in the Weeki Wachee Springshed**

**Pasco County**

**Risk Level:** Type 2

**Multi-Year Contract:** Yes, Year 1 of 4

### Description

**Description:** Feasibility study on the sewer system expansions necessary to take 3,000 residential septic tanks off line in the Weeki Wachee Springshed.

**Measurable Benefit:** The contractual Measurable Benefit will include the completion of a feasibility study. Project is for components that are not eligible for District CFI funding.

**Costs:**
- Total Project Cost: $500,000; (Study);
- Pasco County: $250,000;
- District: $250,000 requested in FY2018, and $59,550,000 anticipated to be requested in future years. The conceptual construction cost estimate is $119,100,000.

### Evaluation

**Application Quality:** Medium

Application included most of the required information identified in the CFI guidelines. District PM/CM had to work with cooperator to obtain remaining required information.

**Project Benefit:** Low

The project benefit is the completion of a feasibility study. The study will evaluate options to upgrade/expand a wastewater treatment plant and install sewer lines including all necessary components for a fully operational municipal sewer system that will result in the connection of up to 3,000 residences. Project is for components that are not eligible for District CFI funding.

**Cost Effectiveness:** Low

Cost appears high for a feasibility study. The project costs are not consistent with the range of costs for similarly funded District projects.

**Past Performance:** High

Based on an assessment of the schedule and budget for 12 ongoing projects.

**Complementary Efforts:** High

Pasco County reclaimed water system includes metering and incentive based reuse rate structures for high volume water users and has pro-active reclaimed water expansion policies which maximize utilization, water resource benefits, and environmental benefits.

**Project Readiness:** High

Project is ready to begin on or before December 1, 2017

### Strategic Goals

**Strategic Goals:** Low

**Strategic Initiative - Water Quality Assessment and Planning:** Collect and analyze data to determine local and regional water quality status and trends to support resource management decisions and restoration initiatives.

**Strategic Initiative:** None

**Region Priority:** None

### Overall Ranking and Recommendation

Low Priority, not recommended for funding. The District's Cooperative Funding Initiative Guidelines specify that wastewater treatment related projects (including studies) are not eligible for District CFI funding. Project was also submitted for FDEP Springs funding (P146), which will be submitted as recommended.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2018</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$250,000</td>
<td>$250,000</td>
</tr>
<tr>
<td>Pasco County</td>
<td>$0</td>
<td>$250,000</td>
<td>$250,000</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$500,000</td>
<td>$500,000</td>
</tr>
</tbody>
</table>
The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District’s functions, including access to and participation in the District’s programs and activities. Anyone requiring reasonable accommodation as provided for in the Americans with Disabilities Act should contact the District’s Human Resources Office Chief, 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4703; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice).