Southern Region

FY2021 Cooperative Funding Initiative

Preliminary Project Evaluations and Rankings
## Southwest Florida Water Management District
### Southern Region
#### FY2021 Proposed Project Funding
**February 6, 2020**

### Projects Ranked 1A Priority

<table>
<thead>
<tr>
<th>Rank</th>
<th>Project Name</th>
<th>Cooperator</th>
<th>Prior Funding</th>
<th>FY2021 Proposed District Funding</th>
<th>Future Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SW IMP - Water Quality - Bradenton Beach BMPs Avenue B and C</td>
<td>Bradenton Bch</td>
<td>148,769</td>
<td>116,696</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>SW IMP - Water Quality - Northern Holmes Beach BMPs - Basins 10 and 12</td>
<td>Holmes Bch</td>
<td>128,894</td>
<td>128,894</td>
<td>0</td>
</tr>
</tbody>
</table>

### Projects Ranked High Priority

<table>
<thead>
<tr>
<th>Rank</th>
<th>Project Name</th>
<th>Cooperator</th>
<th>Prior Funding</th>
<th>FY2021 Proposed District Funding</th>
<th>Future Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Study - North Port Direct Potable Reuse Feasibility</td>
<td>North Port</td>
<td>0</td>
<td>125,000</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>Conservation - Longboat Key Club Advanced Irrigation System</td>
<td>Longboat Key Club</td>
<td>0</td>
<td>557,500</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>WMP - Cow Pen Slough Watershed</td>
<td>Manatee Co</td>
<td>0</td>
<td>135,000</td>
<td>135,000</td>
</tr>
<tr>
<td>6</td>
<td>WMP - South Manatee County Watersheds</td>
<td>Manatee Co</td>
<td>0</td>
<td>372,000</td>
<td>372,000</td>
</tr>
<tr>
<td>7</td>
<td>DAR - Sarasota County Bee Ridge Water Reclamation Facility Aquifer Recharge</td>
<td>Sarasota Co</td>
<td>0</td>
<td>1,090,662</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>Reclaimed - Sarasota Co. Honore Ave Reclaimed Water Transmission</td>
<td>Sarasota Co</td>
<td>0</td>
<td>500,000</td>
<td>1,000,000</td>
</tr>
<tr>
<td>9</td>
<td>Conservation - Manatee Co. Toilet Retrofit Phase 14</td>
<td>Manatee Co</td>
<td>0</td>
<td>82,500</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>Conservation - Venice Toilet Rebate and Retrofit Phase 8</td>
<td>Venice</td>
<td>0</td>
<td>29,450</td>
<td>0</td>
</tr>
<tr>
<td>11</td>
<td>Conservation - North Port Water Distribution Hartsdale/Aldon/Petem Area Looping</td>
<td>North Port</td>
<td>0</td>
<td>207,500</td>
<td>0</td>
</tr>
<tr>
<td>12</td>
<td>WMP - North Manatee County Watersheds</td>
<td>Manatee Co</td>
<td>0</td>
<td>383,625</td>
<td>383,625</td>
</tr>
<tr>
<td>13</td>
<td>Study - PRMRWSA Southern Regional Loop Phase 2B &amp; 2C Feasibility and Routing</td>
<td>PRMRWSA</td>
<td>0</td>
<td>120,000</td>
<td>0</td>
</tr>
<tr>
<td>14</td>
<td>Study - PRMRWSA Phase 3C Integrated Loop Routing and Feasibility</td>
<td>PRMRWSA</td>
<td>0</td>
<td>200,000</td>
<td>100,000</td>
</tr>
<tr>
<td>15</td>
<td>Study - PRMRWSA Reservoir #3 Feasibility and Siting</td>
<td>PRMRWSA</td>
<td>0</td>
<td>625,000</td>
<td>0</td>
</tr>
<tr>
<td>16</td>
<td>Conservation - Palmetto Toilet Rebate Phase 2</td>
<td>Palmetto</td>
<td>0</td>
<td>30,000</td>
<td>0</td>
</tr>
<tr>
<td>17</td>
<td>Study - Pearce Drain/Gap Creek Water Quality Plan</td>
<td>Manatee Co</td>
<td>0</td>
<td>55,000</td>
<td>0</td>
</tr>
<tr>
<td>18</td>
<td>SW IMP - Water Quality - Anna Maria BMPs Phase K</td>
<td>Anna Maria</td>
<td>0</td>
<td>300,000</td>
<td>0</td>
</tr>
<tr>
<td>19</td>
<td>Study - Sarasota County Groundwater Nutrient Evaluation</td>
<td>Sarasota Co</td>
<td>0</td>
<td>150,000</td>
<td>0</td>
</tr>
</tbody>
</table>

### Projects Ranked Medium Priority

<table>
<thead>
<tr>
<th>Rank</th>
<th>Project Name</th>
<th>Cooperator</th>
<th>Prior Funding</th>
<th>FY2021 Proposed District Funding</th>
<th>Future Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>ASR - City of Venice Reclaimed Water ASR</td>
<td>Venice</td>
<td>82,500</td>
<td>150,000</td>
<td>2,298,750</td>
</tr>
<tr>
<td>21</td>
<td>SW IMP - Flood Protection - City of Bradenton Village of the Arts South Drainage Improvements from 13th Ave. W. to 17th Ave. W.</td>
<td>Bradenton</td>
<td>0</td>
<td>100,000</td>
<td>1,070,000</td>
</tr>
</tbody>
</table>

### Projects Ranked Low and/or Not Recommended

<table>
<thead>
<tr>
<th>Rank</th>
<th>Project Name</th>
<th>Cooperator</th>
<th>Prior Funding</th>
<th>FY2021 Proposed District Funding</th>
<th>Future Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>SW IMP - Flood Protection - Bowlees Creek Flood Mitigation</td>
<td>Manatee Co</td>
<td>0</td>
<td>139,852</td>
<td>139,853</td>
</tr>
<tr>
<td>23</td>
<td>SW IMP - Flood Protection - Centre Lake Flood Mitigation</td>
<td>Manatee Co</td>
<td>0</td>
<td>400,000</td>
<td>3,822,000</td>
</tr>
<tr>
<td>24</td>
<td>Study - Sarasota Bay Septic to Sewer Water Quality Study</td>
<td>Sarasota Co</td>
<td>0</td>
<td>2,500,000</td>
<td>0</td>
</tr>
</tbody>
</table>

### Recommended for Funding Total:

- $5,458,827
- $5,359,375

### Not Recommended for Funding Total:

- $3,039,852
- $3,961,853

### Southern Region Total:

- $8,498,679
- $9,321,228
### Description

**Description:** Design, permitting, and construction of stormwater retrofits in the City of Bradenton Beach to improve water quality discharging to Sarasota Bay, a SWIM priority water body.

**Measurable Benefit:** The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat approximately 34 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.

**Costs:**
- **Total Project Cost:** $530,930 (Design, permitting, construction)
- **City of Bradenton Beach:** $265,465
- **District:** $265,465, with $148,769 budgeted in previous years and $116,696 requested in FY2021.

### 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 the Project is the reduction of pollutant loads to Sarasota Bay, a SWIM priority water body, by an estimated 24,105 lb/yr TSS, and 676 lb/yr TN.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>High</td>
<td>The estimated cost/lb of TSS removed is below the historical average of $20/lb. The estimated cost/lb of TN removed is below the historical average of $646/lb. Cost effectiveness for multi-year projects is based upon the metrics in place when project was originally approved.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>High</td>
<td>Based on an assessment of the schedule and budget for the 1 ongoing project.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>High</td>
<td>Applicant has an active stormwater utility that collects fees.</td>
</tr>
<tr>
<td>Project Readiness</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.

**Southern Region Priority:** Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.

### Overall Ranking and Recommendation

Fund as 1A Priority. This ongoing project is cost effective and will continue efforts by the City to reduce stormwater impacts to Sarasota Bay, a SWIM priority water body.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$148,769</td>
<td>$116,696</td>
<td>$0</td>
<td>$265,465</td>
</tr>
<tr>
<td>Bradenton Beach</td>
<td>$148,769</td>
<td>$116,696</td>
<td>$0</td>
<td>$265,465</td>
</tr>
<tr>
<td>Total</td>
<td>$297,538</td>
<td>$233,392</td>
<td>$0</td>
<td>$530,930</td>
</tr>
<tr>
<td>Project No. W641</td>
<td>SW IMP – Water Quality – Northern Holmes Beach BMPs - Basins 10 and 12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------</td>
<td>---------------------------------------------------------------------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holmes Beach</td>
<td><strong>Risk Level:</strong> Type 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Multi-Year Contract:</strong> Yes, Year 2 of 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Description:</strong> Design, permitting, and construction of stormwater retrofits in the City of Holmes Beach to improve water quality discharging to Tampa Bay, a SWIM priority water body.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Measurable Benefit:</strong> The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat approximately 20 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. There will be no monitoring or performance testing requirements.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Costs:</strong> Total Project Cost: $515,576 (Design, permitting, construction)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>City of Holmes Beach: $257,788</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>District: $257,788, with $128,894 budgeted in FY2020 and $128,894 requested in FY2021.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Evaluation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Application Quality:</strong> High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Application included all the required information identified in the CFI Guidelines.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Project Benefit:</strong> High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Resource Benefit of the project is the reduction of pollutant loads to Tampa Bay, a SWIM priority water body, by an estimated 15,848 lb/yr TSS, and 187 lb/yr TN.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Cost Effectiveness:</strong> High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The estimated cost/lb of TSS is below the historical average of $5/lb. The estimated cost/lb of TN removed is below the historical average of $176/lb. Cost effectiveness for multi-year projects is based upon the metrics in place when project was originally approved.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Past Performance:</strong> High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Based on an assessment of the schedule and budget for the 1 ongoing project.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Complementary Efforts:</strong> High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applicant has an active stormwater utility that collects fees.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Project Readiness:</strong> High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Project is ongoing and on schedule.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Strategic Goals</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></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>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Tampa Bay Region Priority:</strong> Improve Lake Thonotosassa, Tampa Bay, Lake Tarpon and Lake Seminole.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Overall Ranking and Recommendation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>This ongoing project is cost effective and will continue efforts by the City to reduce stormwater impacts to Tampa Bay, a SWIM priority water body.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Funding</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Funding Source</strong></td>
<td>Prior</td>
<td>FY2021</td>
<td>Future</td>
</tr>
<tr>
<td></td>
<td>District</td>
<td>$128,894</td>
<td>$128,894</td>
<td>$0</td>
</tr>
<tr>
<td></td>
<td>Holmes Beach</td>
<td>$128,894</td>
<td>$128,894</td>
<td>$0</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>$257,788</td>
<td>$257,788</td>
<td>$0</td>
</tr>
</tbody>
</table>
Description:
A direct potable reuse (DPR) feasibility study to provide information on the potential future development of a DPR project for new potable water supply. The project will include data collection and laboratory services necessary to determine the quantity and quality of water sources. Source water characterization will include regulated, unregulated and emerging constituents. The study will also include a desktop evaluation and costing of available advanced treatment technologies for reclaimed water.

Measurable Benefit:
The contractual Measurable Benefit will include the completion of a feasibility study to determine the quantity and quality of sources and the conceptual costing of treating reclaimed water for new portable water supplies within the Southern Water Use Caution Area.

Costs:
Total project cost: $250,000 (Feasibility);
City of North Port: $125,000;
District: $125,000, all requested in FY2021.

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

Project Benefit: High
The benefit is the completion of a feasibility study to determine the quantity and quality of sources and the conceptual costing of treating reclaimed water for new potable water supplies.

Cost Effectiveness: High
The costs are consistent with the range of costs for similarly funded District reclaimed recharge and indirect potable reuse studies.

Past Performance: High
Based upon an assessment of the schedule and budget for the 2 ongoing projects.

Complementary Efforts: High
North Port has a program in place that includes metering and an incentivized based reuse rate structure for high volume users, and has proactive reclaimed expansion policies which maximize utilization and environmental benefits.

Project Readiness: High
The project is ready to begin on or before December 1, 2020.

Strategic Goals
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 reduce demand on traditional water supplies.

Overall Ranking and Recommendation
Fund as High Priority.
The project is recommended for funding, as it will provide valuable information necessary for the potential development of a future potable reuse option. Future full scale potable reuse projects will be considered AWS and must meet the Governing Board’s Cooperative Funding Initiative Policy which supports multi-jurisdictional development of alternative water supplies.

Funding
<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of North Port</td>
<td>$0</td>
<td>$125,000</td>
<td>$0</td>
<td>$125,000</td>
</tr>
<tr>
<td>District</td>
<td>$0</td>
<td>$125,000</td>
<td>$0</td>
<td>$125,000</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$250,000</td>
<td>$0</td>
<td>$250,000</td>
</tr>
</tbody>
</table>
Description:
Installation of an advanced irrigation system including high efficiency spray heads and remote communication for the Resort at Longboat Key Club’s Harbourside golf course, a private course. This higher level of precision irrigation will result in a reduction of irrigated acreage and better distribution uniformity of irrigation events. This project also includes the replacement of turf with native landscaping to further reduce irrigable acreage.

Measurable Benefit:
The contractual Measurable Benefit is the installation of a new advanced irrigation system and associated components to reduce groundwater withdrawals in the Southern Water Use Caution Area (SWUCA). In addition, the completion of a final report documenting pre and post water usage.

Costs:
- Total Project Cost: $1,115,000
- Longboat Key Club: $557,500
- District: $557,500

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 an estimated 94,600 gallons per day of water conserved in the Southern Water Use Caution Area (SWUCA).

Cost Effectiveness: Medium
Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.

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

Complementary Efforts: High
The Resort at Longboat Key Club has enhanced their water use efficiency with a new irrigation system on 9 of 27 holes at their Harbourside course, as well as through the replacement of turf with native landscaping. They are looking to further these efforts on the remaining 18 holes through this project.

Project Readiness: High
Project is ready to begin on or before December 1, 2020.

Strategic Goals
- Strategic Initiative - Conservation: Enhance efficiencies in all water-use sectors to ensure beneficial use.

Overall Ranking and Recommendation
High
Project will conserve water in the SWUCA and is cost effective.

Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$557,500</td>
<td>$0</td>
<td>$557,500</td>
</tr>
<tr>
<td>Longboat Key Club</td>
<td>$0</td>
<td>$557,500</td>
<td>$0</td>
<td>$557,500</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$1,115,000</td>
<td>$0</td>
<td>$1,115,000</td>
</tr>
</tbody>
</table>
### Project No. Q148

**WMP – Cow Pen Slough Watershed**

**Manatee County**

<table>
<thead>
<tr>
<th>Risk Level:</th>
<th>Type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Year Contract:</td>
<td>Yes, Year 1 of 2</td>
</tr>
</tbody>
</table>

#### Description

Complete a Watershed Management Plan (WMP) including floodplain analysis, Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) alternative analysis for the Cow Pen Slough Watershed in Manatee County. FY2021 funding will be utilized to develop a comprehensive GIS based inventory of stormwater system and begin the Watershed Evaluation phase of the project.

**Measurable Benefit:**
The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Costs:**
- Total project cost: $540,000
  - Manatee County: $270,000
  - District: $270,000 with $135,000 requested in FY2021 and $135,000 anticipated to be requested 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 and water quality 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:**
- Medium
  - Project cost per square mile is in the mid-range of historic costs ($22,605 - $45,500/sq. mi.) for WMPs completed in mixed watersheds.

**Past Performance:**
- High
  - Based upon an assessment of the schedule and budget for the 2 ongoing projects.

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

**Project Readiness:**
- High
  - Project is ready to begin on or before December 1, 2020.

#### 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:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

#### Overall Ranking and Recommendation

Fund as High Priority.

This project identifies flood risk in an area with limited detailed study information available. The resulting product will be utilized for flood zone 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>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$135,000</td>
<td>$135,000</td>
<td>$270,000</td>
</tr>
<tr>
<td>Manatee County</td>
<td>$0</td>
<td>$135,000</td>
<td>$135,000</td>
<td>$270,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$270,000</td>
<td>$270,000</td>
<td>$540,000</td>
</tr>
</tbody>
</table>
### Project No. Q151

**WM P – South Manatee County Watersheds**

**Manatee County**

<table>
<thead>
<tr>
<th>Risk Level: Type 4</th>
<th>Multi-Year Contract: Yes, Year 1 of 2</th>
</tr>
</thead>
</table>

### Description

**Description:** Complete a Watershed Management Plan (WMP) including floodplain analysis, Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) alternative analysis for the South County Watershed in Manatee County. FY2021 funding will be utilized to develop a comprehensive GIS based inventory of stormwater system and begin the Watershed Evaluation phase of the project.

**Measurable Benefit:** The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Costs:**
- Total project cost: $1,488,000
- Manatee County: $744,000
- District: $744,000 with $372,000 requested in FY2021 and $372,000 anticipated to be requested 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 and water quality 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 $69,100/sq. mi.) for WMPs completed in urban watersheds.

**Past Performance:** High
- Based upon an assessment of the schedule and budget for the 2 ongoing projects.

**Complementary Efforts:** High
- Cooperate’s Community Rating System class is 5 and is in the 5 or less range.

**Project Readiness:** High
- Project is ready to begin on or before December 1, 2020.

### 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:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

### Overall Ranking and Recommendation

**Fund as High Priority.** This project identifies flood risk in an area with limited detailed study information available. The resulting product will be utilized for flood zone 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>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$372,000</td>
<td>$372,000</td>
<td>$744,000</td>
</tr>
<tr>
<td>Manatee County</td>
<td>$0</td>
<td>$372,000</td>
<td>$372,000</td>
<td>$744,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$744,000</td>
<td>$744,000</td>
<td>$1,488,000</td>
</tr>
</tbody>
</table>
**Risk Level:** Type 2  
**Multi-Year Contract:** Yes, Year 1 of 2

**Description:**  
This project is for the recharge of reclaimed water meeting high-level disinfection standards into the Upper Floridan aquifer for SWUCA/MIA recovery. The overall project components include construction of two recharge wells, three monitoring wells, a pump station, interconnecting piping, appurtenances necessary for recharge, monitoring and testing. The County will fund all permitting, design, bidding and construction of one recharge well, one monitoring well, the pump station, interconnecting piping, appurtenances necessary for recharge, monitoring and testing. District funding is requested in FY21 for construction of one recharge well, two monitoring wells, and testing.

**Measurable Benefit:** The contractual measurable benefit will be construction, testing, and operation of the site for 20 years at a minimum injection rate of 5 MGD calculated using a five-year moving average for two wells.

**Costs:**  
Total Project Cost: $2,181,324 (Construction of one recharge well, two monitoring wells and testing)  
Sarasota County share: $1,090,662  
District share: $1,090,662

**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 to expand the use of reclaimed water to recharge non-potable portions of the Upper Floridan aquifer to improve aquifer water level conditions in the MIA of the SWUCA.

**Cost Effectiveness:** High  
The project is consistent with the range of costs for similarly funded projects.

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

**Complementary Efforts:** High  
Sarasota County's reclaimed water system includes metering and incentive based reuse rate structures for high volume water users. Additionally the Cooperator has a program in place that has proactive reclaimed expansion policies which maximize utilization and environmental benefits.

**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 - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies.  
**Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

**Overall Ranking and Recommendation**

This project will expand beneficial use of reclaimed water to recharge non-potable portions of the Upper Floridan aquifer to improve aquifer water level conditions in the MIA of the SWUCA. The County may pursue potential future net benefit or impact offset potable water supply based on this project. If pursued, contractually, the County will be required to comply with District cooperative funding guidelines, policies, and procedures and water use permitting rules. If successful, this project is expected to improve aquifer levels in the MIA of the SWUCA.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$1,090,662</td>
<td>$0</td>
<td>$1,090,662</td>
</tr>
<tr>
<td>Sarasota County</td>
<td>$0</td>
<td>$1,090,662</td>
<td>$0</td>
<td>$1,090,662</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$2,181,324</td>
<td>$0</td>
<td>$2,181,324</td>
</tr>
</tbody>
</table>
**Project No. Q160**  
Reclaimed – Sarasota Co. Honore Ave Reclaimed Water Transmission Project  
Sarasota County  

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

### Description

**Description:**  
This project is for the design, permitting and construction of approximately 17,500 feet of reclaimed water transmission mains and other necessary appurtenances to supply approximately 1,066 homes within the Palmer Ranch portion of the Sarasota County reclaimed water service area and to enable supply to future planned subdivisions.

**Measurable Benefit:**  
The contractual Measurable Benefit of this project is the supply of 533,265 gpd of reclaimed water to residential homes for an anticipated 351,955 gpd of water savings within the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA). Construction will be done in accordance with the permitted plans.

**Costs:**  
Total project cost: $3,000,000 (Design, Permitting, Construction)  
District Share: $1,500,000 with $500,000 requested in FY2021 and $1,000,000 anticipated to be requested in future years.  
Sarasota County Share: $1,500,000

### Evaluation

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

**Project Benefit:** High  
The benefit is the supply of 533,265 gpd of reclaimed water to residential irrigation customers for an anticipated 351,955 gpd of water savings within the Most Impacted Area of the Southern Water Use Caution Area (SWUCA).

**Cost Effectiveness:** High  
The capital cost/gpd is $8.52 per gallon per day which is lower than $10 to $15 per gallon average for alternative supplies. The estimated cost benefit is $2.06 per 1,000 gallons of water resource benefit which is within the cost range for reuse project which typically range from a low of $0.15 per 1,000 gallons for golf course projects and up to $10.00 per 1,000 gallons for residential projects.

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

**Complementary Efforts:** High  
Sarasota 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, 2021.

### Strategic Goals

**Strategic Goals:** High  
**Strategic Initiative - Reclaimed Water:** Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies.  
**Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

### Overall Ranking and Recommendation

The project is recommended for funding as it reduces reliance on traditional supplies in the SWUCA and is cost effective.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$500,000</td>
<td>$1,000,000</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>Sarasota County</td>
<td>$0</td>
<td>$500,000</td>
<td>$1,000,000</td>
<td>$1,500,000</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$1,000,000</td>
<td>$2,000,000</td>
<td>$3,000,000</td>
</tr>
</tbody>
</table>
Risk Level: Type 1  Multi-Year Contract: No

Description:
Make available financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets which use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush or less. This project will make available rebates and program administration for the replacement of approximately 1,000 high flow toilets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow.

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

Costs:
- Total Project Costs: $165,000
  - Manatee County: $82,500
  - District: $82,500

Evaluation
- Application Quality: High
- Project Benefit: High
  - The benefit of this project is an estimated 26,380 gpd of water conserved in the Southern Water Use Caution Area (SWUCA).
- Cost Effectiveness: High
  - Project cost effectiveness is below $3.00 per thousand gallons saved.
- Past Performance: High
  - Based upon an assessment of the schedule and budget for the 2 ongoing projects.
- Complementary Efforts: Medium
  - Cooperator per capita is between 75 and 125 gpcd.
- Project Readiness: Medium
  - Project is ready to begin on or before March 1, 2021.

Strategic Goals
- Strategic Goals: High
  - Strategic Initiative - Conservation: Enhance efficiencies in all water-use sectors to ensure beneficial use.

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

Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manatee County</td>
<td>$0</td>
<td>$82,500</td>
<td>$0</td>
<td>$82,500</td>
</tr>
<tr>
<td>District</td>
<td>$0</td>
<td>$82,500</td>
<td>$0</td>
<td>$82,500</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$165,000</td>
<td>$0</td>
<td>$165,000</td>
</tr>
</tbody>
</table>
**Project No. Q179**

Conservation – Venice Toilet Rebate and Retrofit Phase 8

City of Venice

Risk Level: Type 1
Multi-Year Contract: No

### Description

Make available financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets which use 1.28 gallons per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush or less. This project will make available rebates and program administration for the replacement of approximately 249 high flow toilets and urinals. In addition, approximately 400 do-it-yourself conservation kits will be distributed. These include educational materials, low-flow showerheads, and leak detection dye tablets. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow.

### Measurable Benefit

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

### Costs

<table>
<thead>
<tr>
<th>Description</th>
<th>Total Project Cost: $58,900</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Venice:</td>
<td>$29,450</td>
</tr>
<tr>
<td>District:</td>
<td>29,450</td>
</tr>
</tbody>
</table>

### Evaluation

<table>
<thead>
<tr>
<th>Application Quality: High</th>
<th>Application included all the required information identified in the CFI guidelines.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit: High</td>
<td>The benefit of this project is an estimated 6,852 gpd of water conserved in the Southern Water Use Caution Area (SWUCA).</td>
</tr>
<tr>
<td>Cost Effectiveness: High</td>
<td>Project cost effectiveness is below $3.00 per thousand gallons saved.</td>
</tr>
<tr>
<td>Past Performance: High</td>
<td>Based upon an assessment of the schedule and budget for the ongoing project.</td>
</tr>
<tr>
<td>Complementary Efforts: High</td>
<td>Cooperator per capita is below 75 gpcd.</td>
</tr>
<tr>
<td>Project Readiness: Medium</td>
<td>Project is ready to begin on or before March 1, 2021.</td>
</tr>
</tbody>
</table>

### Strategic Goals

**Strategic Goals:**

High

**Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors to ensure beneficial use.

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

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$29,450</td>
<td>$0</td>
</tr>
<tr>
<td>City of Venice</td>
<td>$0</td>
<td>$29,450</td>
<td>$0</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$58,900</td>
<td>$0</td>
</tr>
</tbody>
</table>

**Overall Ranking and Recommendation**

Funding: Project conserves potable water in the SWUCA and is cost effective.

High Priority.
### Project No. Q185
#### City of North Port

**Project Description**
Consortion – North Port Water Distribution Hartsdale/Aldonin/Totem Area Looping Project

**Type 2**

**Multi-Year Contract:** No

**Description**
Construction of approximately 6,000 feet of new potable water lines and associated components necessary to eliminate system dead ends. This is considered a utility-based supply side conservation project and will reduce routine flushing in three areas by allowing potable water circulation in the northwest and central areas of the city.

**Measurable Benefit:**
The contractual Measurable Benefit will be the construction of approximately 6,000 feet of new water lines and associated components to eliminate distribution system dead-ends. Construction will be done in accordance with the permitted plans.

**Costs:**
- Total project cost $415,000 (Construction)
- City of North Port share $207,500
- District $207,500

**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 an estimated 16,884 gallons per day conserved in the Southern Water Use Caution Area (SWUCA).

**Cost Effectiveness:** Medium
Project cost effectiveness is between $3.01 and $6.00 per thousand gallons saved.

**Past Performance:** High
Based upon an assessment of the schedule and budget for the 2 ongoing projects.

**Complementary Efforts:** High
Cooperator per capita is below 75.

**Project Readiness:** High
Project is ready to begin on or before December 1, 2020.

**Strategic Goals**

**Strategic Initiative - Conservation:** Enhance efficiencies in all water-use sectors to ensure beneficial use.

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

**Overall Ranking and Recommendation**
Fund as High Priority. Project will conserve potable water is the SWUCA and is cost effective.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$207,500</td>
<td>$0</td>
<td>$207,500</td>
</tr>
<tr>
<td>City of North Port</td>
<td>$0</td>
<td>$207,500</td>
<td>$0</td>
<td>$207,500</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$0</strong></td>
<td><strong>$415,000</strong></td>
<td><strong>$0</strong></td>
<td><strong>$415,000</strong></td>
</tr>
</tbody>
</table>
### Project No. Q191: WMP – North Manatee County Watersheds

#### Manatee County

<table>
<thead>
<tr>
<th>Risk Level:</th>
<th>Type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Year Contract:</td>
<td>Yes, Year 1 of 2</td>
</tr>
</tbody>
</table>

#### Description

**Description:** Complete a Watershed Management Plan (WMP) including floodplain analysis, Stormwater Level of Service analysis (LOS), Surface Water Resource Assessment (SWRA), and Best Management Practice (BMP) alternative analysis for the North County Watershed in Manatee County. FY2021 funding will be utilized to develop a comprehensive GIS based inventory of stormwater system and begin the Watershed Evaluation phase of the project.

**Measurable Benefit:** The contractual Measurable Benefit will be the completion of a WMP that will develop better floodplain information and implement floodplain management programs to maintain storage and conveyance and to minimize flood damage.

**Costs:**
- Total project cost: $1,534,500
  - Manatee County: $767,250
  - District: $767,250 with $383,625 requested in FY2021 and $383,625 anticipated to be requested 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 and water quality 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 $69,100/sq. mi.) for WMPs completed in urban watersheds.

- **Past Performance:** High
  - Based upon an assessment of the schedule and budget for the 2 ongoing projects.

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

- **Project Readiness:** High
  - Project is ready to begin on or before December 1, 2020.

#### 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:** Collect and analyze data to determine local and regional floodplain information, flood protection status and trends to support floodplain management decision and initiatives.

#### Overall Ranking and Recommendation

This project identifies flood risk in an area with limited detailed study information available. The resulting product will be utilized for flood zone 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>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manatee County</td>
<td>$0</td>
<td>$383,625</td>
<td>$383,625</td>
<td>$767,250</td>
</tr>
<tr>
<td>District</td>
<td>$0</td>
<td>$383,625</td>
<td>$383,625</td>
<td>$767,250</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$767,250</td>
<td>$767,250</td>
<td>$1,534,500</td>
</tr>
</tbody>
</table>
Study – PRMRWSA Southern Regional Loop Phase 2B & 2C Feasibility and Routing

**Description**
A feasibility study to evaluate the route options and infrastructure requirements that will enable installation of the southern loop between the Authority’s regional transmission system at Serris Boulevard in Charlotte County and the Carlton Water Treatment Facility in Sarasota County. Work will include evaluation of pipeline routing, sizing, new pumping and chemical addition facility and any required modifications to support this system interconnection project, and cost estimation.

**Measurable Benefit:**
The contractual Measurable Benefit will be completion the feasibility study that produces pipeline routing options, infrastructure requirements, and cost estimates.

**Costs:**
- Total project cost $240,000
- PRMRWSA share $120,000
- District $120,000

**Evaluation**
- **Application Quality:** High
  - Application included all the required information identified in the CFI Guidelines.
- **Project Benefit:** High
  - The benefit of this project is information to address the optimal pipeline route as well as the most cost effective way to improve regional delivery of AWS water to the central and western portions of Charlotte County’s service area.
- **Cost Effectiveness:** High
  - The cost effectiveness is reasonable and consistent with the District’s costs for AWS feasibility studies.
- **Past Performance:** High
  - Based upon an assessment of the schedule and budget for the 4 ongoing projects.
- **Complementary Efforts:** High
  - The Authority is a wholesale supplier of potable water to the customers of Charlotte, DeSoto, Manatee, and Sarasota Counties and the City of North Port.
- **Project Readiness:** High
  - The project is ready to begin on or before December 1, 2020.

**Strategic Goals**
- **Strategic Goals:** High
  - **Strategic Initiative - Alternative Water Supplies:** Increase development of alternative sources of water to ensure groundwater and surface water sustainability.
  - **Southern Region Priority:** Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy.

**Overall Ranking and Recommendation**
- Fund as High Priority.
  - This feasibility study will support the expansion of the PRMRWSA regional loop system to southern Sarasota and northern Charlotte Counties. This pipeline segment will allow for bidirectional water transfer and greater use of alternative water supplies.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2021</th>
<th>Future FY2021</th>
<th>Future Total</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRMRWSA</td>
<td>$0</td>
<td>$120,000</td>
<td>$0</td>
<td>$120,000</td>
</tr>
<tr>
<td>District</td>
<td>$0</td>
<td>$120,000</td>
<td>$0</td>
<td>$120,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$240,000</td>
<td>$0</td>
<td>$240,000</td>
</tr>
</tbody>
</table>
Risk Level: Type 2  
Multi-Year Contract: Yes, Year 1 of 2

Description: A feasibility study to evaluate pipeline routing options, infrastructure requirements and the feasibility of extending regional potable water transmission system from Sarasota County to Manatee County. The study is a critical step to determine pipeline routes, sizing, pumping needs as well as the support needed for modifications to existing county and regional facilities. In addition, the study will evaluate and refine the estimated cost of all proposed new facilities as well as existing facility improvements.

Measurable Benefit: The contractual Measurable Benefit will be the completion of a feasibility study that produces pipeline route options, infrastructure requirements and the cost of extending the regional water transmission system from North Sarasota County to Manatee county.

Costs: Total project cost: $600,000; PRMRWSA: 300,000; District: $300,000 with $200,000 requested in FY2021 and $100,000 in future years.

Evaluation

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

Project Benefit: High  
The benefit of this project will be information to address the optimal pipeline route as well as the most cost-effective way to interconnect and move regional AWS water north to Manatee County.

Cost Effectiveness: High  
The cost effectiveness is reasonable and consistent with the District’s costs for AWS feasibility studies.

Past Performance: High  
Based upon an assessment of the schedule and budget for the 4 ongoing projects.

Complementary Efforts: High  
The Authority is a wholesale supplier of potable water to the customers of Charlotte, DeSoto, Manatee and Sarasota Counties and the City of North Port.

Project Readiness: High  
Project is ready to begin on or before December 1, 2020.

Strategic Goals

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

Overall Ranking and Recommendation

Fund as High Priority. This feasibility study will support the expansion of the PRMRWSA regional loop system through central and northern Sarasota County into Manatee County. This pipeline segment will allow for bidirectional water transfer and greater use of alternative water supplies.

Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2021</th>
<th>Future FY2021</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$200,000</td>
<td>$300,000</td>
</tr>
<tr>
<td>PRMRWSA</td>
<td>$0</td>
<td>$200,000</td>
<td>$300,000</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$400,000</td>
<td>$600,000</td>
</tr>
</tbody>
</table>
### Description
This project is for a siting and feasibility study for a third surface water reservoir at the Peace River Water Treatment Facility in DeSoto County. A new reservoir would support use of water supplies skimmed from the Peace River as an alternative supply, reliably meeting much of the drinking water needs in the District’s southern water use planning area. The study will evaluate conceptual sizing, siting, mitigation, operational drivers and associated facility requirements, such as raw water pipelines, for a third off-stream reservoir and increased river intake capacity for the Peace River Facility.

### Measurable Benefit
The contractual measurable benefit will be the completion of the study identifying project requirements, detail and costs associated with expanding off-stream storage and surface water supply capacity at the Peace River Facility. This project has the potential to yield at least 15 MGD in average daily supply, meeting 50% of the projected additional supply need in the region during the next 20 years.

### Costs
Total project cost $1,250,000
District: $625,000
PRMRWSA: $625,000.

### 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>This project has the potential to yield at least 15 MGD in Average Daily Flow supply, meeting 50% of the projected additional supply need anticipated in the region during the next 20 years.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>High</td>
<td>The cost effectiveness appears reasonable and consistent within the range of previous funded feasibility studies for alternative water supply.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>High</td>
<td>Based upon an assessment of the schedule and budget for the 4 ongoing projects.</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>High</td>
<td>The Authority is a wholesale supplier of potable water to the customers of Charlotte, DeSoto, Manatee and Sarasota Counties and the City of North Port.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>Project is ready to begin on or before December 1, 2020.</td>
</tr>
</tbody>
</table>

### Strategic Goals
| Strategic Goals | High | Strategic Initiative - Alternative Water Supplies: Increase development of alternative sources of water to ensure groundwater and surface water sustainability. |
| Southern Region Priority | Implement Southern Water Use Caution Area (SWUCA) Recovery Strategy. |

### Funding
<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$625,000</td>
<td>$0</td>
<td>$625,000</td>
</tr>
<tr>
<td>PRMRWSA</td>
<td>$0</td>
<td>$625,000</td>
<td>$0</td>
<td>$625,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$1,250,000</td>
<td>$0</td>
<td>$1,250,000</td>
</tr>
</tbody>
</table>

**Overall Ranking and Recommendation:** Fund as High Priority. This feasibility study will support future storage capacity increases at the Peace River Water Treatment Facility, improving local and regional system reliability and increased supply.
## Description

Make available financial incentives to residential customers for the replacement of conventional toilets with high-efficiency toilets which use 1.28 gallon per flush or less and to commercial customers for the replacement of conventional toilets with ultra-low flow toilets which use 1.6 gallons per flush of less. This project will include rebates and program administration for the replacement of approximately 510 high flow toilets. In addition, approximately 450 do-it-yourself conservation kits will be distributed. Also included are educational materials, program promotion, and surveys necessary to ensure the success of the program. Should actual costs be less than anticipated, the Cooperator may perform more installations/rebates as the availability of funds allow.

## Measurable Benefit

The contractual measurable benefit will be the implementation of the program and the completion of a final report.

## Costs

- **Total Project Cost**: $60,000
- **District Share**: $30,000
- **City of Palmetto**: $30,000

## Evaluation

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

### Project Benefit
- **High**: The benefit of the project is the conservation of approximately 26,924 gallons per day in the Southern Water Use Caution Area.

### 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 1 ongoing projects.

### Complementary Efforts
- **High**: Cooperator per capita is below 75 gpcd.

### Project Readiness
- **Medium**: Project is ready to begin on or before March 1, 2021.

## Strategic Goals

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

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

## Overall Ranking and Recommendation

**Fund as High Priority.** Project will conserve potable water supply in the Southern Water Use Caution Area and is cost-effective.

## Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$30,000</td>
<td>$0</td>
<td>$30,000</td>
</tr>
<tr>
<td>Palmetto</td>
<td>$0</td>
<td>$30,000</td>
<td>$0</td>
<td>$30,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$60,000</td>
<td>$0</td>
<td>$60,000</td>
</tr>
</tbody>
</table>
### Project No. W297

**Study – Pearce Drain/Gap Creek Water Quality Plan**

**Manatee County**

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

#### Description

**Description:** Provide an assessment for nutrients and to propose conceptual BMPs including stormwater improvements with an emphasis on LID and/or natural system restoration projects in support of reducing nutrient loads in the 10 square mile watershed which discharges to Tampa Bay, a SWIM priority water body.

**Measurable Benefit:** The contractual Measurable Benefit will be the completion of the study.

**Costs:**
- Total Project Cost: $110,000 (Study)
- Manatee County: $55,000
- District: $55,000

#### Evaluation

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>Project Benefit</th>
<th>Cost Effectiveness</th>
<th>Past Performance</th>
<th>Complementary Efforts</th>
<th>Project Readiness</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>High</td>
<td>Medium</td>
</tr>
</tbody>
</table>

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

**Project Benefit:** The Resource Benefit of the project is an assessment of nutrient loading and a prioritized list of conceptual BMPs including stormwater and/or natural systems restoration options to improve water quality and natural systems within a watershed discharging to Tampa Bay, a SWIM priority water body.

**Cost Effectiveness:** Costs are consistent with the cost of similar District funded studies.

**Past Performance:** Based upon an assessment of the schedule and budget for the 2 ongoing projects.

**Complementary Efforts:** Applicant has adopted Pet Waste and Fertilizer ordinances and implements street sweeping, stormwater maintenance and stormwater education programs.

**Project Readiness:** Project is ready to begin on or before March 1, 2021.

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

#### Overall Ranking and Recommendation

**Fund as High Priority:** This project is cost effective and will assess nutrient loading and propose conceptual BMP’s to reduce nutrients discharging to Tampa Bay, a SWIM priority water body.

#### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$55,000</td>
<td>$0</td>
<td>$55,000</td>
</tr>
<tr>
<td>Manatee County</td>
<td>$0</td>
<td>$55,000</td>
<td>$0</td>
<td>$55,000</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$110,000</td>
<td>$0</td>
<td>$110,000</td>
</tr>
</tbody>
</table>
### Project No. W643

**Project Name:** SW IMP – Water Quality – Anna Maria BMPs Phase K  
**City of Anna Maria**

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

#### Description

**Description:** Design, permitting, and construction of stormwater retrofits in the City of Anna Maria to improve water quality discharging to Tampa Bay, a SWIM priority water body.

**Measurable Benefit:** The contractual Measurable Benefit will be the design, permitting, and construction of LID BMPs to treat approximately 53 acres of highly urbanized stormwater runoff. Construction will be done in accordance with the permitted plans. Project also includes ancillary flood protection benefits. There will be no monitoring or performance testing requirements.

**Costs:**
- **Total Project Cost:** $600,000 (Design, permitting, construction)
  - **City of Anna Maria:** $300,000
  - **District:** $300,000

#### Evaluation

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

**Project Benefit:** High  
The Resource Benefit of the project is the reduction of pollutant loads to Tampa Bay, a SWIM priority water body, by an estimated 178 lbs/yr TN, and 36 lbs/yr TP. This project also has flood protection ancillary benefits.

**Cost Effectiveness:** High  
The estimated cost/lb of TN removed is below the historical average of $176/lb. The estimated cost/lb of TP removed is below the historical average of $1498/lb.

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

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

**Project Readiness:** High  
Project is ready to begin on or before December 1, 2020.

#### 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. This project is cost effective and improves water quality discharging to Tampa Bay, a SWIM priority water body. This project will also have flood protection ancillary benefits.

#### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$300,000</td>
<td>$0</td>
<td>$300,000</td>
</tr>
<tr>
<td>City of Anna Maria</td>
<td>$0</td>
<td>$300,000</td>
<td>$0</td>
<td>$300,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$600,000</td>
<td>$0</td>
<td>$600,000</td>
</tr>
</tbody>
</table>
**Project No. W644**  
**Study – Sarasota County Groundwater Nutrient Evaluation**

**Sarasota County**

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

**Description**

Feasibility study on denitrification BMP implementation. Project involves monitoring groundwater quality in key locations in Sarasota County associated with multiple types of land uses presumed to lead to elevated groundwater nutrients including but not limited to septic systems, reclaimed water usage areas, high fertilizer usage areas, and former landfills. Project will determine the concentration of nutrients as well as groundwater seepage rates in estuarine waters. Tasks will include identification of groundwater flows, installation of monitoring stations, and identification of nutrient hot spots for future BMP's.

**Measurable Benefit:** The contractual Measurable Benefit will be the completion of the study.

**Costs:**

<table>
<thead>
<tr>
<th>Total Project Cost:</th>
<th>$300,000 (Study)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarasota County:</td>
<td>$150,000</td>
</tr>
<tr>
<td>District:</td>
<td>$150,000</td>
</tr>
</tbody>
</table>

**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 Resource Benefit is a feasibility study to assess elevated groundwater nutrients to locate the proper location for groundwater denitrification BMPs. Potential sites contribute to Sarasota Bay and Charlotte Harbor, both SWIM priority water bodies.</td>
</tr>
<tr>
<td>Cost Effectiveness:</td>
<td>Medium</td>
<td>The cost effectiveness for this study is slightly higher than comparable past projects .</td>
</tr>
<tr>
<td>Past Performance:</td>
<td>Medium</td>
<td>Based upon 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 stormwater utility that collects fees.</td>
</tr>
<tr>
<td>Project Readiness:</td>
<td>High</td>
<td>Project is ready to begin on or before December 1, 2020.</td>
</tr>
</tbody>
</table>

**Strategic Goals**

<table>
<thead>
<tr>
<th>Strategic Goals:</th>
<th>High</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southern Region Priority:</td>
<td>Improve Charlotte Harbor, Sarasota Bay and Shell/Prairie/Joshua creeks.</td>
<td></td>
</tr>
</tbody>
</table>

**Overall Ranking and Recommendation**

Fund as High Priority. This project will identify nutrient hot spots and evaluate ideal locations in Sarasota County to maximize groundwater nutrient BMPs associated with seepage into the estuarine habitats of Sarasota Bay and Charlotte Harbor, both SWIM priority water bodies.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarasota County</td>
<td>$0</td>
<td>$150,000</td>
<td>$0</td>
<td>$150,000</td>
</tr>
<tr>
<td>District</td>
<td>$0</td>
<td>$150,000</td>
<td>$0</td>
<td>$150,000</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$300,000</td>
<td>$0</td>
<td>$300,000</td>
</tr>
</tbody>
</table>
Risk Level: Type 3

Multi-Year Contract: Yes, 2 of 5

Description: Design, permitting, construction, testing, and independent performance evaluation (IPE) of an ASR system to store and recover at least 25 MG/yr of reclaimed water on-site at the City’s Eastside Water Reclamation Facility, an advanced wastewater treatment plant. If constructed, ASR would let the City store excess reclaimed water in the wet season, to be used in the dry season when demand exceeds plant flow. Funding was approved in FY2020 for 30% design and third party review (TPR). The District required TPR because of project costs and complexity. The FY2021 funding request is to complete design and permitting. Future funding will be for construction, testing, IPE, and operational permitting.

Measurable Benefit: The contractual Measurable Benefit is the design, permitting, construction, testing, and independent performance evaluation of an ASR system that will operate for 20 years at a minimum storage and recovery rate of 25 MG/yr calculated using a 5-year moving average.

Costs: Total project cost: $5,062,500
City of Venice: $2,531,250
District: $2,531,250 with $82,500 budgeted in previous years, $150,000 requested in FY2021, and $2,298,750 anticipated to be requested in future years

Evaluation

Application Quality: Medium
The 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
If constructed, the benefit would be development of at least 25 MG/yr in reclaimed water storage/recovery in the SWUCA; this would enable supply to approximately 500 additional reclaimed users, potentially reducing irrigation groundwater withdrawals by an estimated 0.17 mgd. The City projects storing/recovering 185 MG/yr by 2035.

Cost Effectiveness: High
Costs are consistent with similarly funded District projects.

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

Complementary Efforts: High
The City has a developed reclaimed water system. City Code provides metering/rate structures and connection/extension requirements/procedures for reclaimed service.

Project Readiness: Medium
Project is ready to begin on or before March 1, 2021.

Strategic Goals

Strategic Initiative - Reclaimed Water: Maximize beneficial use of reclaimed water to reduce demand on traditional water supplies.

Overall Ranking and Recommendation
Fund as Medium Priority.
The City and District expect to complete 30% design and TPR in early 2021. Contractually, the City will need Governing Board approval to proceed beyond this task. Anticipating favorable results from the TPR, and understanding that the Governing Board will need to provide approval to proceed, staff is recommending FY2021 funding to complete design and permitting. Additionally, an IPE will be required once well construction and testing is completed. If constructed, ASR would allow the City to optimize use of reclaimed water to meet current and future irrigation demands, reducing reliance on fresh groundwater withdrawals.

Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior FY2021</th>
<th>Future FY2021</th>
<th>Total FY2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$82,500</td>
<td>$150,000</td>
<td>$2,298,750</td>
</tr>
<tr>
<td>City of Venice</td>
<td>$82,500</td>
<td>$150,000</td>
<td>$2,298,750</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$165,000</strong></td>
<td><strong>$300,000</strong></td>
<td><strong>$4,597,500</strong></td>
</tr>
</tbody>
</table>
**Risk Level:** Type 3  
**Multi-Year Contract:** Yes, Year 1 of 3

### Description
Design, permitting and construction of a stormwater system for the Village of Arts neighborhood within the Wares Creek watershed in the City of Bradenton. Stormwater runoff from the area overflows to Wares Creek which often lacks sufficient capacity to prevent flooding in the Village of the Arts neighborhood. Village of Arts does not have a stormwater system and experiences severe structure and street flooding. FY2021 funding will be utilized to complete the design and permitting phase of the project.

**Measurable Benefit:** The contractual Measurable Benefit will be the completion of the design, permitting, and construction of new stormwater conveyance and storage systems within the Wares Creek subwatershed. Construction will be done in accordance with the permitted plans.

**Costs:**
- Total project cost: $2,340,000 (design, permitting, and construction)
- City of Bradenton: $1,170,000
- District: $1,170,000 with $100,000 requested in FY2021 and $1,070,000 anticipated to be requested in future years.

### 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 problems during the 100-yr, 24-hr storm event. Structure and street flooding currently occur in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.

**Cost Effectiveness:** Low  
Benefit/Cost ratio is slightly less than 0.7 (0.66).

**Past Performance:** Medium  
Based upon an assessment of the schedule and budget for the 3 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, 2020.

### 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 – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource.

### Overall Ranking and Recommendation
Fund as Medium Priority. This project provides a reduction of structure and street flooding for the 100-yr, 24hr event in the Village of Arts neighborhood. An additional water quality benefit has been demonstrated.

### Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$100,000</td>
<td>$1,070,000</td>
<td>$1,170,000</td>
</tr>
<tr>
<td>City of Bradenton</td>
<td>$0</td>
<td>$100,000</td>
<td>$1,070,000</td>
<td>$1,170,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$200,000</td>
<td>$2,140,000</td>
<td>$2,340,000</td>
</tr>
</tbody>
</table>
**Project No. Q141**  
**SW IMP – Flood Protection – Bowlees Creek Flood Mitigation**  
**Manatee County**  
**Risk Level:** Type 3  
**Multi-Year Contract:** Yes, Year 1 of 2

**Description**

Design, permitting and construction of an automated weir structure in Bowlees Creek to lower flood stages in the Shady Brook/Sara Bay area in Manatee County. The area experiences severe flooding and currently there are two concrete weirs that provide irrigation water to the Sara Bay Golf Course. This project proposes lowering the weir outfall for Lake Brendan, eliminating the upstream weir of Bowlees Creek near the golf course, improving the downstream weir near the golf course with an automated gate system, and connecting the golf course to an existing reclaimed water line. FY2021 funding will be utilized to complete the design and permitting phases.

**Measurable Benefit:**

The contractual Measurable Benefit will be the completion of the design, permitting, and construction of an automated weir structure and irrigation line connection within the Bowlees Creek watershed. Construction will be done in accordance with the permitted plans.

**Costs:**

Total project cost: $559,410 (design, permitting, and construction)  
Manatee County: $279,704  
District: $279,704 with $139,852 requested in FY2021 and $139,853 anticipated to be requested in future years.

**Evaluation**

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>Low</th>
<th>District PM had to work with the cooperator to obtain required information and cooperator was unable to provide required information.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit</td>
<td>High</td>
<td>The Resource Benefit of this project will reduce existing flooding problems during the 5-yr, 24-hr storm event. Structure and street flooding currently occur in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>Low</td>
<td>Benefit/Cost analysis was not provided.</td>
</tr>
<tr>
<td>Past Performance</td>
<td>High</td>
<td>Based upon an assessment of the schedule and budget for the 2 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 less range.</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>High</td>
<td>Project is ready to begin on or before December 1, 2020.</td>
</tr>
</tbody>
</table>

**Strategic Goals**

| Strategic Goals: | Medium | **Strategic Initiative – Flood Protection Maintenance and Improvement:** Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource. |

**Overall Ranking and Recommendation**

Cooperator was not able to provide benefit/cost analysis; however, the County is actively working to finalize this data. It is anticipated that the evaluation will be updated upon receipt of this analysis.  
Low Priority, not recommended for funding.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$139,852</td>
<td>$139,853</td>
<td>$279,705</td>
</tr>
<tr>
<td>Manatee County</td>
<td>$0</td>
<td>$139,852</td>
<td>$139,853</td>
<td>$279,705</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$279,704</td>
<td>$279,706</td>
<td>$559,410</td>
</tr>
</tbody>
</table>
Project No. Q180

SW IMP – Flood Protection – Centre Lake Flood Mitigation

Manatee County

Risk Level: Type 3

Multi-Year Contract: Yes, Year 1 of 3

Description

Description: Design, permitting and construction of a flood control wall for the Centre Lake neighborhood within the Pearce Drain/Gap Creek watershed in Manatee County. The neighborhood has a drainage pond that outfalls to Pearce Drain, but during heavy rainfall Pearce Drain is overwhelmed and backflows into Centre Lake and adjacent low areas causing homes to experience flooding. If funded, the project will require a third-party review as this project has a conceptual construction estimate greater than $5 million dollars.

Measurable Benefit: The contractual Measurable Benefit will be the construction of a flood control structure to reduce flooding within the Centre Lake neighborhood.

Costs:

Total project cost: $8,444,000 (30% design, third-party review, design, permitting and construction)

Manatee County: $4,222,000

District: $4,222,000 with $400,000 requested in FY2021 and $3,822,000 anticipated to be requested in future years.

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 existing flooding problems during the 100-yr, 24-hr storm event. Structure and street flooding currently occur in the project area and the project impacts the regional or intermediate drainage system. Ancillary water quality benefits were demonstrated along with the flood protection benefits.

Cost Effectiveness: Low

Benefit/cost analysis was not provided.

Past Performance: High

Based upon an assessment of the schedule and budget for the 2 ongoing projects.

Complementary Efforts: High

Cooperator’s Community Rating System class is 5 and is in the 5 or less range.

Project Readiness: High

Project is ready to begin on or before December 1, 2020.

Strategic Goals

Strategic Goals: Medium

Strategic Initiative – Flood Protection Maintenance and Improvement: Develop and implement programs, projects and regulations to maintain and improve flood protection, and operate District flood control and conservation structures to minimize flood damage while preserving the water resource.

Overall Ranking and Recommendation

Low Priority, not recommended for funding.

Cooperator was not able to provide benefit/cost analysis; however, the County is actively working to finalize this data. It is anticipated that the evaluation will be updated upon receipt of this analysis.

Funding

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$400,000</td>
<td>$3,822,000</td>
<td>$4,222,000</td>
</tr>
<tr>
<td>Manatee County</td>
<td>$0</td>
<td>$400,000</td>
<td>$3,822,000</td>
<td>$4,222,000</td>
</tr>
<tr>
<td>Total</td>
<td>$0</td>
<td>$800,000</td>
<td>$7,644,000</td>
<td>$8,444,000</td>
</tr>
</tbody>
</table>
**Project No. Q208**

**Study – Sarasota Bay Septic to Sewer Water Quality Study**

**Sarasota County**

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

**Description**

**Description:** Feasibility study to identify the best options for converting residential dwellings and commercial facilities currently serviced by septic systems to a centralized wastewater collection and treatment system.

**Measurable Benefit:** The measurable benefit will be the completion of a feasibility study.

**Costs:**
- Total Project Cost: $5,000,000
- District Share: $2,500,000
- Sarasota Share: $2,500,000

**Evaluation**

<table>
<thead>
<tr>
<th>Application Quality</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Benefit</td>
<td>-</td>
</tr>
<tr>
<td>Cost Effectiveness</td>
<td>-</td>
</tr>
<tr>
<td>Past Performance</td>
<td>-</td>
</tr>
<tr>
<td>Complementary Efforts</td>
<td>-</td>
</tr>
<tr>
<td>Project Readiness</td>
<td>-</td>
</tr>
</tbody>
</table>

**Strategic Goals**

| Strategic Goals | - |

**Overall Ranking and Recommendation**

Not recommended. The project is not recommended for funding as it is inconsistent with the FY2021 CFI Guidelines which specify that for funding consideration septic to sewer projects must address issues within a Springs Priority Focus Area (PFA) of a Basin Management Action Plan (BMAP) area as identified by the FDEP and within the SWFWMD boundaries. This project is located outside of a Springs Priority Focus Area of a Basin Management Action Plan.

**Funding**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Prior</th>
<th>FY2021</th>
<th>Future</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>$0</td>
<td>$2,500,000</td>
<td>$0</td>
<td>$2,500,000</td>
</tr>
<tr>
<td>Sarasota County</td>
<td>$0</td>
<td>$2,500,000</td>
<td>$0</td>
<td>$2,500,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$0</td>
<td>$5,000,000</td>
<td>$0</td>
<td>$5,000,000</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 Director, 2379 Broad Street, Brooksville, Florida 34604-6899; 1-352-796-7211 or 1-800-423-1476 (Florida only), extension 4702; TDD (Florida only) 1-800-231-6103; or email to ADACoordinator@swfwmd.state.fl.us