

## DEMOLISH ELEVATED WATER TANK

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 900,000

**Project Description**

Demolish the existing elevated storage tank. May be procured from state or other cooperative agreement.



**Project Milestones**

Mims Water

Design completion September 2016

Construction completion September 2017

**Service Impact**

The existing elevated storage tank was constructed in the 1970s. Due to improvements in the water distribution system, the tank is no longer necessary as a storage option. The tank is currently out of service and is an unnecessary maintenance cost.

**Start Date:** 10/01/17      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6984106

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 900,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Construction	\$ -	\$ -	\$ 875,000	\$ -	\$ -	\$ -	\$ -	\$ 875,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 900,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIME SLUDGE DRYER

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 750,000

**Project Description**

Liquid lime slurry is a by-product of the Mims Water Treatment Plant. The lime slurry is currently hauled by contractor to the Orlando Utilities power plant. At times, the power plant discontinues use of slurry while maintenance performed on the plant. When interrupted, the back-up plan is to dewater the lime, then haul the dried cake to the County landfill. This project is to replace the existing dryer. May be procured from state or other cooperative agreement.

**Service Impact**

Provide the ability to dispose of Lime sludge by-product at the landfill and ensure continued operation of the water plant if the liquid disposal option is interrupted.



**Project Milestones**

Mims Water  
Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6538128

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 750,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Construction	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ 700,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## MIMS WATER TREATMENT PLANT SCADA UPGRADES

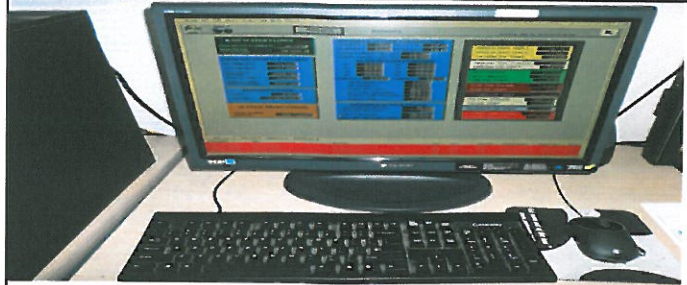
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 150,000

**Project Description**

Replace supervisory control and data acquisition (SCADA) units at the Mims Water Treatment Plant. May be procured from state or other cooperative agreement.



**Project Milestones**

Mims Water  
Complete project September 2017

**Service Impact**

These components are obsolete and have reached the end of their useful life as repair parts are increasingly difficult to obtain.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6351107

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## REPLACE VARIABLE FREQUENCY DRIVES ON HIGH SERVICE PUMPS (4)

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 250,000

**Project Description**

Replace variable frequency drives (VFD's) and Programmable Logic Controllers (PLC's) on high service pumps (4) and filters (2) at the Mims Water Treatment Plant.

**Service Impact**

Existing VFD's and PLC's are obsolete and replacement parts are no longer available.



**Project Milestones**

Mims Water  
Bond Project  
Construction complete September 2017

**Start Date:** 02/01/17      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 514671

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## WALKABOUT DIDGERIDOO RAW WATER LINE

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 426,658

**Project Description**

Utility Services has permanent easements for twelve water wells in property owned by the developer of Walkabout in Mims. One well exists and the others will be installed as the water demand requires. This project funds the construction of the raw water pipelines required to convey water from the wells to the treatment plant. May be procured from state or other cooperative agreement.

**Service Impact**

To avoid the increased costs of installing the raw water lines after development, this element funds co-construction agreements to provide for the installation of the pipelines as the developer constructs new phases of the project.



**Project Milestones**

Mims Water

Construction complete September 2017

**Start Date:** 10/01/11      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6980110

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ 426,658	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 426,658
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 426,658</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 426,658</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 126,658	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 426,658
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 126,658</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 426,658</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## WATER MAIN REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 10,889,882

**Project Description**

This project will replace the asbestos cement and thin-walled PVC pipe in the Mims water distribution system and includes changing over the water service connections from the existing pipes to the new pipes. May be procured from state or other cooperative agreement.

**Service Impact**

The Mims water distribution system piping includes asbestos-cement and thin-walled PVC water pipes that were installed in the 1960's. They are brittle and have a history of breaking.



**Project Milestones**

Mims Water  
Bond Project  
Construction complete September 2024

**Start Date:** 10/01/13      **End Date:** 09/30/24

**Project Manager:** Craig Helping

**Funded Program:** 6980111

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 10,889,882	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,889,882
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 10,889,882</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,889,882</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 96,892	\$ 72,763	\$ 110,000	\$ -	\$ 70,000	\$ 70,000	\$ 320,000	\$ 739,655
Construction	\$ -	\$ 1,826,227	\$ 2,000,000	\$ -	\$ 1,130,000	\$ 1,130,000	\$ 4,064,000	\$ 10,150,227
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 96,892</b>	<b>\$ 1,898,990</b>	<b>\$ 2,110,000</b>	<b>\$ -</b>	<b>\$ 1,200,000</b>	<b>\$ 1,200,000</b>	<b>\$ 4,384,000</b>	<b>\$ 10,889,882</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## WELL FACILITY REPLACEMENTS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,610,373

**Project Description**

Install new wells. May be procured from state or other cooperative agreement.



**Project Milestones**

Mims Water

Construction complete September 2021

**Service Impact**

The Mims Water Treatment Plant needs to have additional wells installed to ensure continued water supply as the area develops.

**Start Date:** 10/01/13      **End Date:** 09/30/21

**Project Manager:** Craig Helping

**Funded Program:** 6983105

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,610,373	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,610,373
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,610,373</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,610,373</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 118,373	\$ 23,342		\$ -	\$ -	\$ -	\$ -	\$ 141,715
Construction	\$ -	\$ 175,658	\$ 199,000	\$ 199,000	\$ 199,000	\$ 199,000	\$ 497,000	\$ 1,468,658
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 118,373</b>	<b>\$ 199,000</b>	<b>\$ 199,000</b>	<b>\$ 199,000</b>	<b>\$ 199,000</b>	<b>\$ 199,000</b>	<b>\$ 497,000</b>	<b>\$ 1,610,373</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## TELEMETRY MODERNIZATION

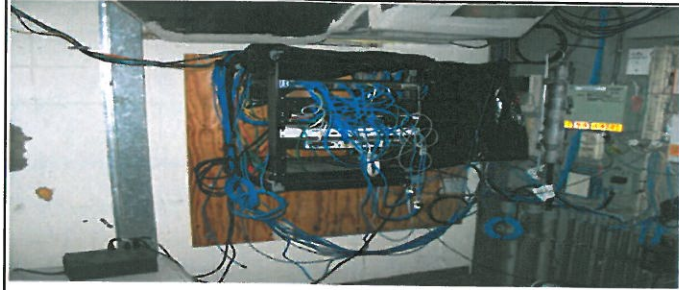
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 2,312,854

**Project Description**

Upgrade telemetry at lift stations. May be procured from state or other cooperative agreement.



**Project Milestones**

Ongoing Countywide Project

**Service Impact**

This project will upgrade the lift station telemetry which will allow control of the lift station pumps.

**Start Date:** 10/01/15      **End Date:** 09/30/34

**Project Manager:** Brian Sorensen

**Funded Program:** 513870

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 2,312,854	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,312,854
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 2,312,854</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,312,854</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 217,854	\$ 495,000	\$ 400,000	\$ 250,000	\$ 200,000	\$ 250,000	\$ 500,000	\$ 2,312,854
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 217,854</b>	<b>\$ 495,000</b>	<b>\$ 400,000</b>	<b>\$ 250,000</b>	<b>\$ 200,000</b>	<b>\$ 250,000</b>	<b>\$ 500,000</b>	<b>\$ 2,312,854</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## EXTEND N10 GRAVITY SEWER AND DEMOLISH LIFT STATION N04

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 179,550

**Project Description**

Demolish Lift Station N04 and reroute gravity sewer to Lift Station N10. Obtain easements as necessary. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

During review of the existing system in the area, it was identified that a lift station could be eliminated by the extension of the gravity sanitary sewer.

**Start Date:** 04/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6981110

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 179,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 179,550
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 179,550</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 179,550</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 59,550	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 79,550
Construction	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 59,550</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 179,550</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## FILTER GALLERY REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 156,000

**Project Description**

Replace the filter valves. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
 Engineering complete September 2016  
 Construction complete September 2017

**Service Impact**

These valves were installed in 1987 and need to be replaced. They were the old style pneumatic valves and will be replaced with electric valves.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6538131

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 156,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 156,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 156,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 156,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 36,000	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Construction	\$ -	\$ -	\$ 111,000	\$ -	\$ -	\$ -	\$ -	\$ 111,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 36,000</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 156,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## FORCE MAIN N13 EVALUATION & IMPROVEMENTS PROJECT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 302,000

**Project Description**

Repair portions of the force main. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
Design complete September 2017  
Construction complete September 2018

**Service Impact**

This force main has operational problems. This project will evaluate the force main and repair as needed.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Craig Helping

**Funded Program:** 6985102

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 302,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 302,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 302,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 302,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
Construction	\$ -	\$ -	\$ -	\$ 242,000	\$ -	\$ -	\$ -	\$ 242,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ 242,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 302,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## INSTALL CANOPY COVER OVER CHLORINE TANKS/DEMO EXISTING COVER

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 40,000

**Project Description**

Demolish the existing chlorine tank canopy cover structure due to severe corrosion steel beam construction. The replacement structure will be made of a corrosion resistant material.

**Service Impact**

The replacement structure will last longer than the existing steel structure.



**Project Milestones**

North Brevard Wastewater  
Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6538140

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 40,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION N01 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 90,000

**Project Description**

Replace lift station including wet well, pumps, valves, controls and 200 linear feet of 4-inch force main. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
Construction complete September 2019

**Service Impact**

The wetwell for the station was installed in 1967 and is in need of replacement.

**Start Date:** 10/01/16      **End Date:** 09/30/19

**Project Manager:** Craig Helping

**Funded Program:** 513886

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 90,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ 80,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 90,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION N03 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 350,582

**Project Description**

Replace the existing can type lift station with a submersible style station. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
 Design complete September 2015  
 Construction complete September 2017

**Service Impact**

This station was installed in 1966 and has reached the end of its useful life. It is an older design and would be replaced with a modern submersible pump lift station.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982104

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 350,582	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,582
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 350,582</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,582</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600
Planning/Design	\$ 39,583	\$ 31,992	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 78,575
Construction	\$ 6,407	\$ -	\$ 265,000	\$ -	\$ -	\$ -	\$ -	\$ 271,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 46,590</b>	<b>\$ 31,992</b>	<b>\$ 272,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,582</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION N06 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 366,756

**Project Description**

Replace the existing can type lift station with a submersible style station. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
Bond Project  
Design complete April 2015  
Construction complete September 2017

**Service Impact**

This station was installed in 1966 and has reached the end of its useful life. It is an older design and would be replaced with a modern submersible pump lift station.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982105

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 366,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 366,756
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 366,756</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 366,756</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Planning/Design	\$ 23,255	\$ 30,094	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 60,349
Construction	\$ 6,407	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 306,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 29,662</b>	<b>\$ 30,094</b>	<b>\$ 307,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 366,756</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION N13 REHABILITATION

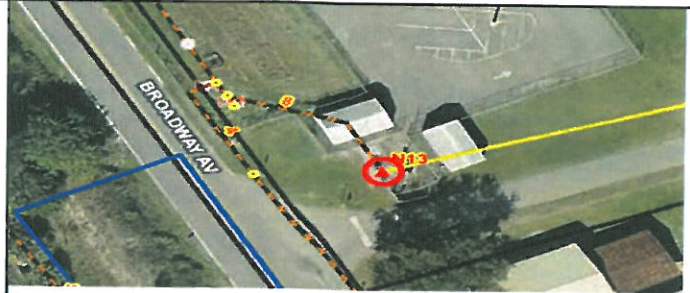
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 260,000

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
Design complete September 2017  
Construction complete September 2018

**Service Impact**

Station was constructed in 1992, is reaching the end of its useful life and is in need of rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Brian Sorensen

**Funded Program:** 6982110

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 260,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 260,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 260,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
Construction	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 60,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 260,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## NORTH BREVARD INFLOW AND INFILTRATION REDUCTION

**Department:** Utility Services Department

**Program:** Water/Wastewater

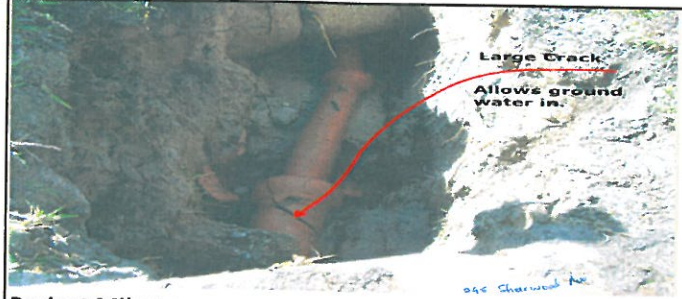
**Project Total:** \$ 1,750,000

**Project Description**

Relining of gravity lines and lining of manholes in this service area. May be procured from state or other cooperative agreement.

**Service Impact**

Rehabilitation reduces Inflow and Infiltration which reduces pumping expense, overflows and returns capacity to the treatment plant.



**Project Milestones**

North Brevard Wastewater  
Ongoing project

**Start Date:** 10/01/16      **End Date:** 09/30/22

**Project Manager:** Brian Sorensen

**Funded Program:** 6981109

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,750,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,750,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 750,000	\$ 250,000	\$ -	\$ 250,000	\$ 500,000	\$ 1,750,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 500,000</b>	<b>\$ 1,750,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## NORTH BREVARD VALVE REPLACEMENTS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 45,000

**Project Description**

This project consists of replacing valves in the wastewater collection and water distribution system that have become inoperable or no longer seal off the flow of water. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
Ongoing project

**Service Impact**

The installation of usable valves will allow the flow to be shut off during repairs. This protects the workers and in the case of the water distribution system, allows more of the system to remain in operation during repairs.

**Start Date:** 10/01/16      **End Date:** 09/30/19

**Project Manager:** Brian Sorensen

**Funded Program:** 513872

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ 15,000	\$ -	\$ -	\$ 45,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## RECLAIMED WATER TANK RE-COATING

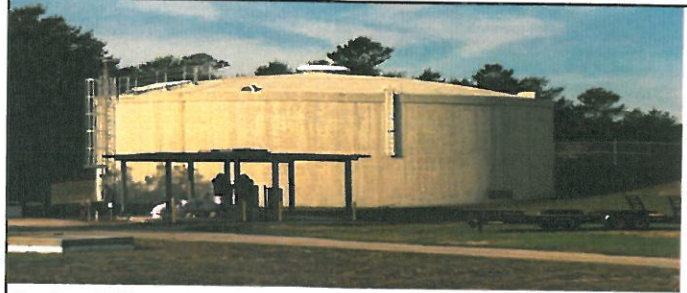
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 79,000

**Project Description**

Re-coat (re-paint) the exterior of the existing 500,000 gallon reclaimed water storage tank. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
Construction complete September 2017

**Service Impact**

This tank is experiencing substantial spider web cracking on the walls and roof and needs to be recoated.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 513883

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 79,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 79,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 79,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 79,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 79,000	\$ -	\$ -	\$ -	\$ -	\$ 79,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 79,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 79,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## REPLACE RAS/WAS PUMPING

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 300,000

**Project Description**

Replace Return Activated Sludge (RAS) and Waste Activated Sludge (WAS) pumps. May be procured from state or other cooperative agreement.



**Project Milestones**

North Brevard Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

These pumps have reached the end of their useful life and need to be replaced.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 513921

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## TREATMENT PLANT SITEWORK

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 239,000

**Project Description**

Construct stabilized roadway from paved road to plant entrance and from north side of plant to Rapid Infiltration Basins (RIBS). May be procured from state or other cooperative agreement.

**Service Impact**

The existing access way to the treatment plant is very rough and full of potholes. The entire dirt road needs to be re-done to provide stabilized access for staff and visitors.



**Project Milestones**

North Brevard Wastewater  
Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 513871

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 239,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 239,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 239,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Construction	\$ -	\$ -	\$ 214,000	\$ -	\$ -	\$ -	\$ -	\$ 214,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 239,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 239,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## WWTP REPLACEMENT AERATORS

**Department:** Utility Services Department  
**Program:** Water/Wastewater  
**Project Total:** \$ 721,000  
**Project Description**  
 Replace aerators on west carousel at North Brevard Wastewater Treatment Plant (WWTP). May be procured from state or other cooperative agreement.



**Project Milestones**  
 North Brevard Wastewater  
 Construction complete September 2018

**Service Impact**  
 New aerators will increase energy efficiency and improve treatment process.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Brian Sorensen

**Funded Program:** 6540111

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 721,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 721,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 721,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 721,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 54,000	\$ -	\$ -	\$ -	\$ -	\$ 54,000
Construction	\$ -	\$ -	\$ -	\$ 667,000	\$ -	\$ -	\$ -	\$ 667,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 54,000</b>	<b>\$ 667,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 721,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION J02 REPLACEMENT

**Department:** Utility Services Department  
**Program:** Water/Wastewater  
**Project Total:** \$ 775,507  
**Project Description**  
 Replacement of J02 lift station. May be procured from state or other cooperative agreement.



**Project Milestones**  
 Port St John Wastewater  
 Design complete September 2016  
 Construction Complete September 2017

**Service Impact**  
 This station was installed in 1968 and has reached the end of its useful life. It is an older design and would be replaced with a modern lift station.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982106

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 775,507	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 775,507
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 775,507</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 775,507</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 38,195	\$ 21,312	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ 75,507
Construction	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ -	\$ 700,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 38,195</b>	<b>\$ 21,312</b>	<b>\$ 716,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 775,507</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## PT ST JOHN INFLOW AND INFILTRATION REDUCTION

**Department:** Utility Services Department

**Program:** Water/Wastewater

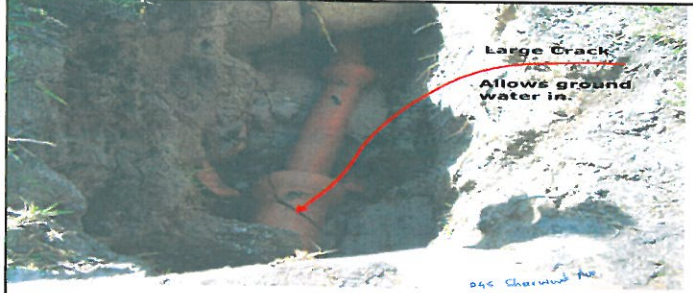
**Project Total:** \$ 1,339,000

**Project Description**

Relining of gravity lines and lining of manholes in this service area. May be procured from state or other cooperative agreement.

**Service Impact**

Rehabilitation reduces Inflow and Infiltration which reduces pumping expense, overflows and returns capacity to the treatment plant.



**Project Milestones**

Port St John Wastewater  
Ongoing Project

**Start Date:** 10/01/16      **End Date:** 09/30/22

**Project Manager:** Brian Sorensen

**Funded Program:** 6981101

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,339,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,339,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,339,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,339,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 64,000	\$ -	\$ -	\$ -	\$ 1,275,000	\$ 1,339,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 64,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,275,000</b>	<b>\$ 1,339,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## PSJ PAVE PLANT ACCESS ROAD

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 100,000

**Project Description**

Pave plant access road. May be procured from state or other cooperative agreement.



**Project Milestones**

Port St John Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

The access road has numerous potholes and has deteriorated to the point where it needs to be rebuilt.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6570106

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## TREATMENT PLANT IMPROVEMENTS PHASE 1 (PLANT REHABILITATION)

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 3,038,473

**Project Description**

Rehabilitation of the existing plant. May be procured from state or other cooperative agreement.



**Project Milestones**

Port St John Wastewater  
 Design complete September 2015  
 Construction complete September 2017

**Service Impact**

This plant has been in service since 1992 and is in need of rehabilitation. A failure of this plant would result in untreated wastewater being discharged.

**Start Date:** 10/01/13      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6984103

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 3,038,473	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,038,473
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 3,038,473</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,038,473</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 159,238	\$ 1,587,182	\$ 32,000	\$ -	\$ -	\$ -	\$ -	\$ 1,778,420
Construction	\$ 53	\$ -	\$ 1,260,000	\$ -	\$ -	\$ -	\$ -	\$ 1,260,053
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 159,291</b>	<b>\$ 1,587,182</b>	<b>\$ 1,292,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,038,473</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## AERATOR SYSTEM REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,086,750

**Project Description**

Rehabilitate aerators number 3 and 4. This will include motors, gearboxes and mixing paddles. May be procured from state or other cooperative agreement.

**Service Impact**

The aerators have outlasted their life expectancy and will be more cost efficient.



**Project Milestones**

South Beach Wastewater  
Bond Project  
Construction complete September 2017

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6538311

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 1,086,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,086,750
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,086,750</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,086,750</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 186,750	\$ 100,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,086,750
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 186,750</b>	<b>\$ 100,000</b>	<b>\$ 800,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,086,750</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## BACK WASH RECOVERY TANKS REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 275,518

**Project Description**

Replace two existing steel backwash water recovery tanks with two new concrete tanks. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater

Design complete September 2015

Construction complete September 2017

**Service Impact**

Existing steel tanks were installed with last plant expansion in 1988. Tanks are heavily corroded with rust due to harsh environment.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6984309

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 275,518	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,518
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 275,518</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 275,518</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 20,518	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 35,518
Construction	\$ -	\$ -	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ 240,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 20,518</b>	<b>\$ 255,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 275,518</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## BLOWER REPLACEMENT

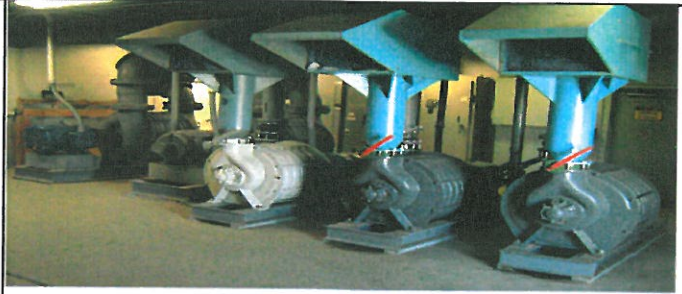
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 788,268

**Project Description**

Replace blowers, air piping, and associated controls. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Bond Project  
Design complete December 2016  
Construction complete September 2017

**Service Impact**

The blowers are reaching the end of their useful life and need to be replaced.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6538314

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 788,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 788,268
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 788,268</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 788,268</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 3,268	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 63,268
Construction	\$ -	\$ -	\$ 725,000	\$ -	\$ -	\$ -	\$ -	\$ 725,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 3,268</b>	<b>\$ 785,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 788,268</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## DEEP WELLHEAD REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 110,000

**Project Description**

Replace above ground metal pipe components of effluent injection well. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Construction complete September 2017

**Service Impact**

Insure continued operation of well system and prevent major environmental impact of discharging effluent into the Indian River Lagoon should existing wellhead fail due to metal fatigue.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 514407

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Construction	\$ -	\$ -	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## DIGESTER CENTRIFUGAL BLOWERS REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 442,268

**Project Description**

Replace blowers and associated controls. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater

Design complete December 2016

Construction complete September 2017

**Service Impact**

These blowers are reaching the end of their useful life and need to be replaced. These blowers are essential for the operation for the plant.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6984313

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 442,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 442,268
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 442,268</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 442,268</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 27,268	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 67,268
Construction	\$ -	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 27,268</b>	<b>\$ 415,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 442,268</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## EQUALIZATION BASIN VALVES, PIPING AND TANK REPAIRS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 200,000

**Project Description**

Equalization Basin Valves and tank repairs. This will include new self sustaining valves, pipes and tank repairs. May be procured from state or other cooperative agreement.

**Service Impact**

These valves are non-functional and have outlasted their life expectancy.



**Project Milestones**

South Beach Wastewater  
Project complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6540407

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## FORCE MAIN S12 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 50,000

**Project Description**

Replace 436 linear feet of force main.



**Project Milestones**

South Beach Wastewater

Construction complete September 2017

**Service Impact**

Existing ductile iron(DI) pipe force main is heavily tuberculated and rusted beyond repair.

**Start Date:** 10/01/16      **End Date:** 10/01/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6985310

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Construction	\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## GRIT REMOVAL SYSTEM REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 53,003

**Project Description**

Replace two (2) blowers for grit removal system. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Construction complete September 2017

**Service Impact**

The existing grit system blowers needs to be replaced due to age and excessive wear from corrosive environment.

**Start Date:** 10/01/14      **End Date:** 10/01/17

**Project Manager:** Craig Helping

**Funded Program:** 6540303

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 53,003	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,003
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 53,003</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 53,003</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 3,256	\$ 3,747	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ 8,003
Construction	\$ -	\$ 15,000	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 3,256</b>	<b>\$ 18,747</b>	<b>\$ 31,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 53,003</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## HIGH SERVICE PUMPS (VERTICAL TURBINE)

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 615,942

**Project Description**

Replace high service pumps. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Construction complete September 2017

**Service Impact**

The high service pumps are reaching the end of their useful life and will need to be replaced. They are critical in the successful operation of the reclaimed water system.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6540307

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 615,942							\$ 615,942
Permit/Fees								\$ -
Bond/Referendum								\$ -
Grant					\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 615,942</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 615,942</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 28,942	\$ 37,000	\$ -	\$ -	\$ -	\$ -	\$ 65,942
Construction	\$ -	\$ -	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 28,942</b>	<b>\$ 587,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 615,942</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION B01 REHABILITATION

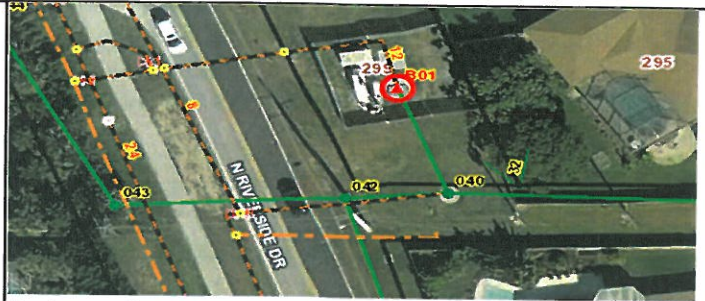
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 450,000

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
 Design complete FY 2017  
 Construction complete FY 2017

**Service Impact**

This station was constructed in 1992 and is need of rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982504

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Construction	\$ -	\$ -	\$ -	\$ 405,000	\$ -	\$ -	\$ -	\$ 405,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 405,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION B02 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 409,376

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Design complete FY 2017  
Construction complete FY 2017

**Service Impact**

This station was constructed in 1972 and is need of rehabilitation.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982500

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 409,376	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 409,376
Grant	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 409,376</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 409,376</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Planning/Design	\$ 42,920	\$ 4,660	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ 49,580
Construction	\$ 6,407	\$ 333,388	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 359,795
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 49,327</b>	<b>\$ 338,048</b>	<b>\$ 22,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 409,376</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION B08 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 476,662

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
 Design complete FY 2016  
 Construction complete FY 2017

**Service Impact**

This station was constructed in 1969 and is need of rehabilitation.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982302

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 476,662	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 476,662
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 476,662</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 476,662</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Planning/Design	\$ 23,255	\$ 8,000	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ 33,255
Construction	\$ 6,407	\$ 415,000	\$ 22,000	\$ -	\$ -	\$ -	\$ -	\$ 443,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 29,662</b>	<b>\$ 423,000</b>	<b>\$ 24,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 476,662</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION B09 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 255,000

**Project Description**

Project to include replacement of wetwell, upgrade of pumps and new piping. May be procured from state or other cooperative agreement.

**Service Impact**

This station was constructed in 1969 and is in need of replacement.



**Project Milestones**

South Beach Wastewater

Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982309

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 255,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 255,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 255,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 255,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 45,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 105,000
Construction	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 60,000</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 255,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION B10 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 461,847

**Project Description**

Project to include complete replacement of can style station with submersible station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

This station was constructed in 1963 and is in need of rehabilitation. This activity presents a safety hazard to the personnel involved. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982303

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 461,847	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 461,847
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 461,847</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 461,847</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 43,847	\$ 18,000	\$ -	\$ -	\$ -	\$ -	\$ 61,847
Construction	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 43,847</b>	<b>\$ 418,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 461,847</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## LIFT STATION B11 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 432,596

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Design complete FY 2016  
Construction complete FY 2017

**Service Impact**

This station was constructed in 1981 and is need of rehabilitation.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982304

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 432,596	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 432,596
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 432,596</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 432,596</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Planning/Design	\$ 16,189	\$ 8,000	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ 26,189
Construction	\$ 6,407	\$ 380,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 406,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 22,596</b>	<b>\$ 388,000</b>	<b>\$ 22,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 432,596</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION B13 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 311,120

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Design complete FY 2017  
Construction complete FY 2017

**Service Impact**

This station was constructed in 1983 and is need of rehabilitation.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982501

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 311,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 311,120
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 311,120</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 311,120</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 37,430	\$ 10,773	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ 50,203
Construction	\$ 4,857	\$ 244,060	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 260,917
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 42,287</b>	<b>\$ 254,833</b>	<b>\$ 14,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 311,120</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S04 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 495,908

**Project Description**

Relocation of lift station. Includes easement from Patrick AFB for proposed site. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
 Design complete September 2015  
 Construction complete September 2017

**Service Impact**

This station was constructed in 1964 and is in need of rehabilitation. This is a can type station which involves personnel climbing down a ladder to service the equipment. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.

**Start Date:** 10/01/13      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982409

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 495,908	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 495,908
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 495,908</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 495,908</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 42,450	\$ 46,050	\$ 26,000	\$ -	\$ -	\$ -	\$ -	\$ 114,500
Construction	\$ 6,408	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 381,408
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 48,858</b>	<b>\$ 46,050</b>	<b>\$ 401,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 495,908</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S05 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

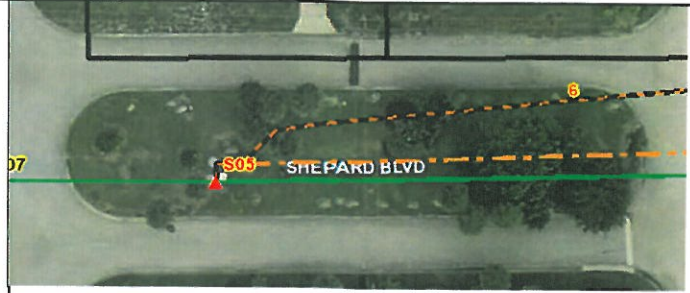
**Project Total:** \$ 416,950

**Project Description**

Project to include complete replacement of can style station with submersible station. May be procured from state or other cooperative agreement.

**Service Impact**

This station was constructed in 1963 and is in need of replacement. This activity presents a safety hazard to the personnel involved. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.



**Project Milestones**

South Beach Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982413

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 416,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 416,950
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 416,950</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 416,950</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 54,950	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 66,950
Construction	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 54,950</b>	<b>\$ 362,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 416,950</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S08 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 534,082

**Project Description**

Project to include upgraded pumps, rehab wetwell and new piping. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

This station was constructed in 1969 and is in need of rehabilitation.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982415

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 534,082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 534,082
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 534,082</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 534,082</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 42,082	\$ 17,000	\$ -	\$ -	\$ -	\$ -	\$ 59,082
Construction	\$ -	\$ -	\$ 475,000	\$ -	\$ -	\$ -	\$ -	\$ 475,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 42,082</b>	<b>\$ 492,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 534,082</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S09 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 430,247

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Design complete FY 2017  
Construction complete FY 2017

**Service Impact**

This station was constructed in 1964 and is in need of rehabilitation. This activity presents a safety hazard to the personnel involved. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982411

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 430,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 430,247
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 430,247</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 430,247</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Planning/Design	\$ 14,840	\$ 12,000	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 38,840
Construction	\$ 6,407	\$ -	\$ 385,000	\$ -	\$ -	\$ -	\$ -	\$ 391,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 21,247</b>	<b>\$ 12,000</b>	<b>\$ 397,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 430,247</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S15 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 555,340

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Design complete FY 2017  
Construction complete FY 2017

**Service Impact**

This station was constructed in 1977 and is need of rehabilitation.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982419

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 555,340	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555,340
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 555,340</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 555,340</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Planning/Design	\$ 27,561	\$ 54,372	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 93,933
Construction	\$ 6,407	\$ -	\$ 455,000	\$ -	\$ -	\$ -	\$ -	\$ 461,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 33,968</b>	<b>\$ 54,372</b>	<b>\$ 467,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 555,340</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S17 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 455,780

**Project Description**  
Relocation of lift station. May be procured from state or other cooperative agreement.

**Service Impact**  
This station was constructed in 1963 and is in need of rehabilitation. This activity presents a safety hazard to the personnel involved. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.



**Project Milestones**  
South Beach Wastewater  
Bond Project  
Design complete September 2015  
Construction complete September 2017

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982412

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 455,780	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 455,780
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 455,780</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 455,780</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 35,625	\$ 28,155	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 75,780
Construction	\$ -	\$ -	\$ 380,000	\$ -	\$ -	\$ -	\$ -	\$ 380,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 35,625</b>	<b>\$ 28,155</b>	<b>\$ 392,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 455,780</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## LIFT STATION S19 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 447,050

**Project Description**

Project to include complete replacement of can style station with submersible station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Construction complete September 2017

**Service Impact**

This station was constructed in 1963 and is in need of replacement. This activity presents a safety hazard to the personnel involved. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982414

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 447,050							\$ 447,050
Permit/Fees								\$ -
Bond/Referendum								\$ -
Grant					\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 447,050</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 447,050</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 59,050	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ 72,050
Construction	\$ -	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 59,050</b>	<b>\$ 388,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 447,050</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S20 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 466,939

**Project Description**

Rehabilitation and relocation of lift station. Includes easement from City of Satellite Beach. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Bond Project  
Design complete September 2015  
Construction complete September 2017

**Service Impact**

This station was constructed in 1963 and is in need of replacement. This activity presents a safety hazard to the personnel involved. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.

**Start Date:** 04/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982416

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 756,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 756,480
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 466,939</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 466,939</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ 4,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,260
Planning/Design	\$ 19,272	\$ 16,000	\$ 11,000	\$ -	\$ -	\$ -	\$ -	\$ 46,272
Construction	\$ 6,407	\$ -	\$ 410,000	\$ -	\$ -	\$ -	\$ -	\$ 416,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 29,939</b>	<b>\$ 16,000</b>	<b>\$ 421,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 466,939</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION S27 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 315,000

**Project Description**

Project includes rehab lining, new pumps and piping. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Construction complete September 2018

**Service Impact**

This station was constructed in 1986 and is in need of rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Craig Helping

**Funded Program:** 6982425

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 315,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 315,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Construction	\$ -	\$ -	\$ -	\$ 270,000	\$ -	\$ -	\$ -	\$ 270,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>	<b>\$ 270,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 315,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

SB 59 SB-RR-154 FY 18

## MECHANICAL BAR SCREEN REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,211,524

**Project Description**

Replace the mechanical bar screen. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater

Design complete September 2016

Construction complete September 2017

**Service Impact**

The existing mechanical bar screen was last rehabilitated in 2006 and needs to be replaced. The headworks structure housing the bar screen requires modification.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6572300

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,211,524	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,211,524
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,211,524</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,211,524</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 81,524	\$ 155,000	\$ -	\$ -	\$ -	\$ -	\$ 236,524
Construction	\$ -	\$ -	\$ 725,000	\$ -	\$ -	\$ -	\$ 250,000	\$ 975,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 81,524</b>	<b>\$ 880,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ 1,211,524</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## ODOR CONTROL REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 128,602

**Project Description**

Replace odor control system and modify ventilation in building. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Bond Project  
Design complete FY 2015  
Construction complete FY 2017

**Service Impact**

The existing system is a leased unit and is possibly undersized. The installation of a larger unit will ensure proper airflow and odor control is achieved. Ventilation modifications are also needed to assist with proper air flow in the building.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6540306

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 128,602	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 128,602
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 128,602</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 128,602</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 20,623	\$ 3,500	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 36,123
Construction	\$ -	\$ 16,479	\$ 76,000	\$ -	\$ -	\$ -	\$ -	\$ 92,479
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 20,623</b>	<b>\$ 19,979</b>	<b>\$ 88,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 128,602</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## REHABILITATE DISCHARGE PONDS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 203,300

**Project Description**

Rehabilitate effluent ponds. Rehabilitation to include, but not limited to, regrading, sodding and other stabilization as necessary. May be procured from state or other cooperative agreement.

**Service Impact**

This project would be to determine if the effluent ponds can be regraded to provide longer detention times during discharges and perform the construction.



**Project Milestones**

South Beach Wastewater  
Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6551301

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 203,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 203,300
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 203,300</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 203,300</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 7,000
Construction	\$ -	\$ 16,300	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ 196,300
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 16,300</b>	<b>\$ 187,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 203,300</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SOUTH BEACH INFLOW AND INFILTRATION REDUCTION

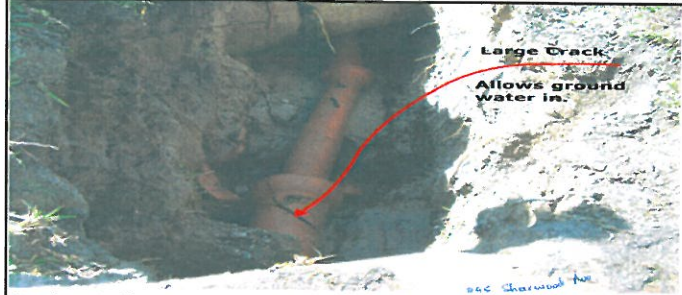
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 6,045,144

**Project Description**  
Relining of gravity lines and lining of manholes in this service area. May be procured from state or other cooperative agreement.

**Service Impact**  
Rehabilitation reduces Inflow and Infiltration which reduces pumping expense, overflows and returns capacity to the treatment plant.



**Project Milestones**  
South Beach Wastewater  
Ongoing Project

**Start Date:** 10/01/14      **End Date:** 09/30/20

**Project Manager:** Brian Sorensen

**Funded Program:** 6981306

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 6,045,144	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,045,144
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 6,045,144</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,045,144</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 1,536,366	\$ 2,645,778	\$ 745,000	\$ 818,000	\$ -	\$ 300,000	\$ -	\$ 6,045,144
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 1,536,366</b>	<b>\$ 2,645,778</b>	<b>\$ 745,000</b>	<b>\$ 818,000</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ 6,045,144</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SOUTH BEACH WWTP SCADA UPGRADES

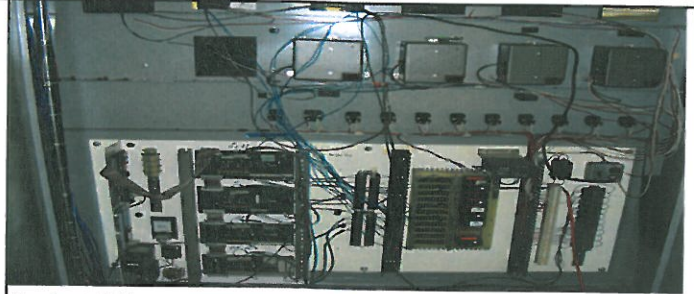
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 150,000

**Project Description**

Replace supervisory control and data acquisition units (SCADA) at the South Beach Wastewater Treatment Plant. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Project complete September 2017

**Service Impact**

Plant SCADA is inadequate for today's standards. Parts are obsolete and difficult to obtain for repairs. Many processes are not on SCADA and existing system does not provide complete control to the operators. System to be reworked and add necessary equipment into SCADA system.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6351303

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## SOUTH PATRICK DRIVE FORCE MAIN REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,585,000

**Project Description**

Replace 2,900 LF of 20-inch PVC and 2,000 LF of 24-inch PVC force main with ductile iron pipe of like sizes between Desoto Parkway and Banana River Drive



**Project Milestones**

South Beach Wastewater  
 Design completion September 2017  
 Construction completion September 2019

**Service Impact**

The existing 20" PVC and 24" PVC pipes are failing and discharging sewage into the Indian River Lagoon.

**Start Date:** 10/01/15      **End Date:** 09/30/19

**Project Manager:** Craig Helping

**Funded Program:** 6985218

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,585,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,585,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,585,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,585,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 65,000	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ 235,000
Construction	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 350,000	\$ -	\$ -	\$ 1,350,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 65,000</b>	<b>\$ 170,000</b>	<b>\$ 1,000,000</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,585,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SOUTH PATRICK RIVERSIDE FORCE MAIN IMPROVEMENTS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 200,000

**Project Description**

Make improvements to the 24" diameter B19 force main in Riverside Drive. Force Main B19 begins at Sea Park Boulevard and travels South to the South Beach Wastewater Plant.



**Project Milestones**

South Beach Wastewater  
Design complete FY 2017

**Service Impact**

The existing 24" diameter force main has a history of breaks and failure that need to be addressed.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6300235

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## TREATMENT PLANT LIFT STATION REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 277,291

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Bond Project  
Design complete FY 2015  
Construction complete FY 2017

**Service Impact**

This station was installed in 1991 and is in poor condition. This station needs to be rehabilitated in order to maintain the ability to adequately handle in plant process drains and filter backwash.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982308

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 277,291	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 277,291
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 277,291</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 277,291</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 2,171	\$ 21,120	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ 25,291
Construction	\$ -	\$ -	\$ 252,000	\$ -	\$ -	\$ -	\$ -	\$ 252,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 2,171</b>	<b>\$ 21,120</b>	<b>\$ 254,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 277,291</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## TREATMENT PROCESS IMPROVEMENTS

**Department:** Utility Services Department  
**Program:** Water/Wastewater  
**Project Total:** \$ 2,008,253  
**Project Description**  
 Treatment process rehabilitation. May be procured from state or other cooperative agreement.



**Project Milestones**  
 South Beach Wastewater  
 Construction complete September 2019

**Service Impact**  
 The treatment plant has reached the point where it needs extensive rehabilitation in order to maintain treatment effective and reliability.

**Start Date:** 10/01/14      **End Date:** 09/30/19

**Project Manager:** Craig Helping

**Funded Program:** 6540308

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 2,008,253	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,008,253
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 2,008,253</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,008,253</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 28,221	\$ 42,942	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 196,163
Construction	\$ 103,136	\$ 116,954	\$ 1,206,000	\$ 86,000	\$ 300,000	\$ -	\$ -	\$ 1,812,090
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 131,357</b>	<b>\$ 159,896</b>	<b>\$ 1,331,000</b>	<b>\$ 86,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,008,253</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## VEHICLE STORAGE BUILDING/INDIAN HARBOR BEACH

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 653,848

**Project Description**

Construct vehicle storage building. May be procured from state or other cooperative agreement.



**Project Milestones**

South Beach Wastewater  
Bond Project  
Construction complete September 2017

**Service Impact**

This building will be used to store generators and other equipment to keep them out of the elements and decrease the corrosion.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6501308

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 653,848	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 653,848
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 653,848</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 653,848</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 11,369	\$ 402,479	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ 653,848
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 11,369</b>	<b>\$ 402,479</b>	<b>\$ 240,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 653,848</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## BELT PRESS REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 500,000

**Project Description**

Replacement of all major operating components of two presses. Work will include replacement of rollers, bearings, belts and electrical control system. May be procured from state or other cooperative agreement.

**Service Impact**

Extend the useful life of the presses to ensure uninterrupted operation of sludge dewatering system.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6540413

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 500,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## IRCC PRESSURE SUSTAINING VALVE REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 75,000

**Project Description**

Replace pressure sustaining valve. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Installation complete September 2017

**Service Impact**

The installation of this pressure sustaining valve will allow remote operation of the valve from the treatment plant. This will provide for more efficient distribution of reclaimed water.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6538415

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T04 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 450,042

**Project Description**

Rehabilitate existing lift station converting it to submersible station. Line wetwell, new controls, valves & appurtances. May be procured from state or other cooperative agreement.

**Service Impact**

Existing lift station is a suction lift station and is sub-standard.



**Project Milestones**

South Central Wastewater  
Construction complete 9/30/17

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982431

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 450,042	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,042
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 450,042</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,042</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 30,042	\$ 17,000	\$ -	\$ -	\$ -	\$ -	\$ 47,042
Construction	\$ -	\$ -	\$ 403,000	\$ -	\$ -	\$ -	\$ -	\$ 403,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 30,042</b>	<b>\$ 420,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 450,042</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## LIFT STATION T06 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 150,000

**Project Description**

Full lift station rehabilitation, wet well is in poor condition, corrosion in the panel, valve box is full of water and tree roots. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Service Impact**

This station was constructed in 1983 and is in need of rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982433

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T14 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 315,000

**Project Description**

Wet well in poor condition no access road, replace pumps, add driveway, replace force main valves and checks, and other appurtenances as necessary. May be procured from state or other cooperative agreement.

**Service Impact**

This station was constructed in 1986 and some components are in need of rehabilitation.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6982450

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 315,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 315,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000
Construction	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 315,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 315,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T15 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 150,000

**Project Description**  
 Repair wet well, and liner. Relocate control panel due to overhead power lines, replace pumps. May be procured from state or other cooperative agreement.

**Service Impact**  
 This station was constructed in 1987 and some components are in need of rehabilitation.



**Project Milestones**  
 South Central Wastewater  
 Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6982449

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T16 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,405,545

**Project Description**  
 Full replacement. This lift station re-pumps numerous lift stations, wet well is in poor condition, pump configuration is a safety hazard. May be procured from state or other cooperative agreement.

**Service Impact**  
 This station was constructed in 1987 and is in need of replacement.



**Project Milestones**  
 South Central Wastewater  
 Construction complete September 2027

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6987406

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,385,911	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,385,911
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,405,545</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,405,545</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 28,435	\$ 92,110	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 155,545
Construction	\$ -	\$ -	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 28,435</b>	<b>\$ 92,110</b>	<b>\$ 1,285,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,405,545</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T21 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 150,000

**Project Description**

Replace lift station panel, consider relocation due to overhead power lines. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2018

**Service Impact**

This station was constructed in 1990 and is in need of rehabilitation.

**Start Date:** 10/01/17      **End Date:** 09/30/18

**Project Manager:** Brian Sorensen

**Funded Program:** 513907

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T22 REHABILITATION

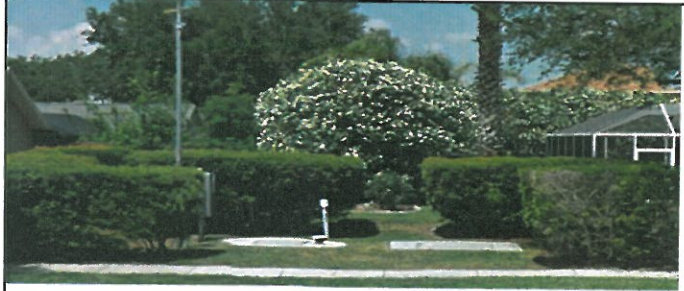
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 225,000

**Project Description**

Reline wet well, upgrade control panel, replace pumps, no access drive. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Service Impact**

This station was constructed in 1989 and is in need of rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6982445

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 225,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 225,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T25 REPLACEMENT, REPLACE FUEL TANK

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,059,687

**Project Description**

Large lift station that re-pumps numerous lift stations, replace underground storage tank with above ground, repair, reline wet well, replace pumps. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

This station was constructed in 1995 and is in need of replacement.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982447

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,059,687	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,059,687
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,059,687</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,059,687</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 31,500	\$ 86,780	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 153,280
Construction	\$ 6,407	\$ -	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 906,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 37,907</b>	<b>\$ 86,780</b>	<b>\$ 935,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,059,687</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T26 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 242,250

**Project Description**

Upgrade control panel, replace pumps, repair/reline wet well, add driveway, replace force main valves and checks, and other appurtenances as necessary. May be procured from state or other cooperative agreement.

**Service Impact**

This station was constructed in 1986 and some components are in need of rehabilitation.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 513901

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 242,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 242,250
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 242,250</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 242,250</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 30,250	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 42,250
Construction	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 30,250</b>	<b>\$ 212,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 242,250</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## LIFT STATION T28 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 225,000

**Project Description**

Upgrade control panel, pump rail missing, vent cap broken, no access, discharge pipe leaks, replace pumps. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Service Impact**

This station was constructed in 1991 and is in need of rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6982438

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 225,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 225,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T38 REHABILITATION AND T38 FORCE MAIN REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 750,000

**Project Description**

Replace 2,000 feet of force main from T38 lift station to Wickham Road and add isolation valves as required. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Service Impact**

The existing T38 force main is too small to accommodate growth at the zoo. Additionally, it is Schedule 40 PVC which is sub-standard.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982442

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 750,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Construction	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ 650,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 750,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION T44 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 200,000

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Service Impact**

This station was constructed in 1994 and is in need of rehabilitation.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 513900

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 30,912	\$ 59,088	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 30,912</b>	<b>\$ 59,088</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## REHABILITATE BELT PRESS CONTROLS & REPLACE VFD'S

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 170,000

**Project Description**

Rehabilitate the belt press controls and replace Variable Frequency Drives (VFD's). May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2018

**Service Impact**

The existing control panel and VFD's are 25 years old and in need of replacement or rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Craig Helping

**Funded Program:** 6538420

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 170,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 170,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 170,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 120,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 170,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 170,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SEPTAGE & GREASE PRETREATMENT FACILITY CONSTRUCTION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,678,005

**Project Description**

Design and construct new septage and grease facility. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Design complete FY 2016  
Construction complete FY 2017

**Service Impact**

The current septage and grease facility was constructed in 1994 and has exceeded its useful life. It is located in the footprint of the treatment plant expansion and needs to be relocated.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6984404

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 1,678,005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,678,005
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,678,005</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,678,005</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Planning/Design	\$ 23,255	\$ 44,344	\$ 4,000	\$ -	\$ -	\$ -	\$ -	\$ 71,598
Construction	\$ 6,407	\$ 1,534,000	\$ 66,000	\$ -	\$ -	\$ -	\$ -	\$ 1,606,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 29,662</b>	<b>\$ 1,578,344</b>	<b>\$ 70,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,678,005</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SOD POND IMPROVEMENTS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 175,600

**Project Description**  
 This project would install a pumping system to move water between ponds or return water to the wetlands or plant. This project also repairs the eroded berms of the ponds. May be procured from state or other cooperative agreement.

**Service Impact**  
 These ponds were constructed 20 years ago and the banks and pump supports have deteriorated to the point where rehabilitation is required.



**Project Milestones**  
 South Central Wastewater  
 Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6538418

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 175,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,600
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 175,600</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 175,600</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 25,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,600
Construction	\$ -	\$ 25,000	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 50,600</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 175,600</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SOUTH CENTRAL INFLOW AND INFILTRATION REDUCTION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 2,024,874

**Project Description**

Relining of gravity lines and lining of manholes in this service area. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Ongoing Project

**Service Impact**

Rehabilitation reduces Inflow and Infiltration which reduces pumping expense, overflows and returns capacity to the treatment plant.

**Start Date:** 10/01/14      **End Date:** 09/30/20

**Project Manager:** Brian Sorensen

**Funded Program:** 6981206

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,260,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,260,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 764,874	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 764,874
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 2,024,874</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,024,874</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 264,874	\$ -	\$ 500,000	\$ 860,000	\$ 200,000	\$ 200,000	\$ -	\$ 2,024,874
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 264,874</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 860,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 2,024,874</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SOUTH CENTRAL SCADA UPGRADES

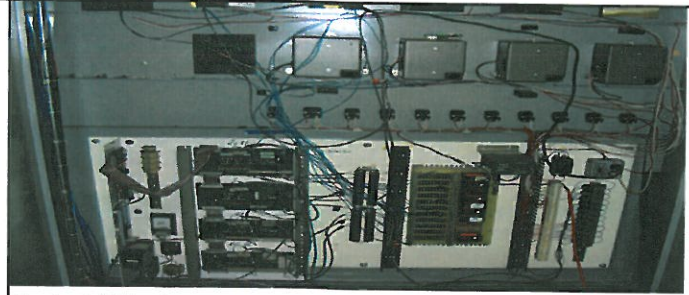
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 350,000

**Project Description**

Replace Legacy Remote Terminal Units (RTU'S). May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2018

**Service Impact**

These components are obsolete and have reached the end of their useful life as repair parts are increasingly difficult to obtain.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Brian Sorensen

**Funded Program:** 6351411

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 350,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 175,000	\$ 175,000	\$ -	\$ -	\$ -	\$ 350,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 175,000</b>	<b>\$ 175,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## SOUTH CENTRAL VALVE REPLACEMENTS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,000,000

**Project Description**

This project consists of replacing valves in the wastewater collection and water distribution system that have become inoperable or no longer seal off the flow of water. May be procured from state or other cooperative agreement.

**Service Impact**

The installation of usable valves will allow the flow to be shut off during repairs. This protects the workers and in the case of the water distribution system, allows more of the system to remain in operation during repairs.



**Project Milestones**

South Central Wastewater  
Ongoing Project

**Start Date:** 10/01/15      **End Date:** 09/30/20

**Project Manager:** Brian Sorensen

**Funded Program:** 513873

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ 200,000	\$ 400,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ -	\$ 1,000,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 400,000</b>	<b>\$ 200,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 1,000,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## TREATMENT PLANT EXPANSION TO 9.0 MGD FP

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 43,597,441

**Project Description**

Project is to add a third treatment train and support buildings to accommodate growth in Viera/Suntree. May be procured from state or other cooperative agreement.

**Service Impact**

Existing treatment plant is nearing its operating capacity. With growth in this service area the design and construction of the expansion of the treatment plant needs to be done. Includes electrical power supply upgrade and multi-purpose building.



**Project Milestones**

South Central Wastewater  
Design complete December 2016  
Construction complete September 2018

**Start Date:** 10/01/14      **End Date:** 09/30/18

**Project Manager:** Craig Helping

**Funded Program:** 6984405

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,482,441	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,482,441
Permit/Fees	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ 41,365,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,365,000
<b>Total Revenue</b>	<b>\$ 43,597,441</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 43,597,441</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 1,605,196	\$ 377,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,982,441
Construction	\$ -	\$ 500,000	\$ 29,065,000	\$ 12,050,000	\$ -	\$ -	\$ -	\$ 41,615,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 1,605,196</b>	<b>\$ 877,245</b>	<b>\$ 29,065,000</b>	<b>\$ 12,050,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 43,597,441</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## WETLANDS EFFLUENT ELECTRICAL

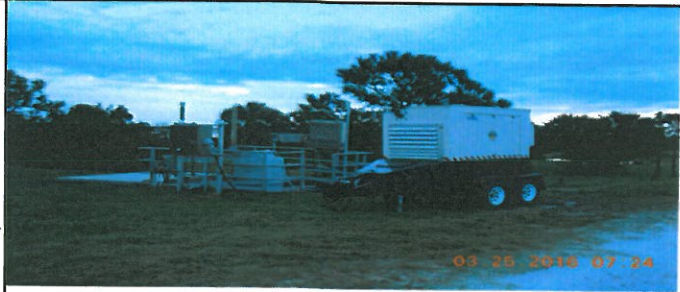
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 100,000

**Project Description**

Run FPL utility power to the wetlands to provide electricity for pumping. May be procured from state or other cooperative agreement.



**Project Milestones**

South Central Wastewater  
Construction complete September 2017

**Service Impact**

The existing power to the wetlands is supplied by auxiliary generator power operated by Utility Services. It is more expensive to produce and less reliable than FPL utility power.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6538429

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Construction	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## CLARIFIER REHABILITATION NOS. 1 AND 2

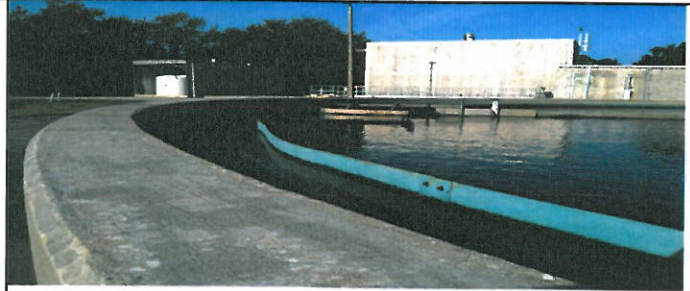
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 280,000

**Project Description**

Clarifier no. 1 and 2 structure and drive rehabilitation. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2017  
 Construction complete September 2018

**Service Impact**

The existing clarifiers are over 20 years old. Clarifier no. 1 and 2 need to be rehabilitated to continue proper operation.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Brian Sorensen

**Funded Program:** 6540204

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 280,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 280,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ 70,000
Construction	\$ -	\$ -	\$ 90,000	\$ 120,000	\$ -	\$ -	\$ -	\$ 210,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 160,000</b>	<b>\$ 120,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 280,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## FORCE MAIN BARGE CANAL

**Department:** Utility Services Department

**Program:** Water/Wastewater

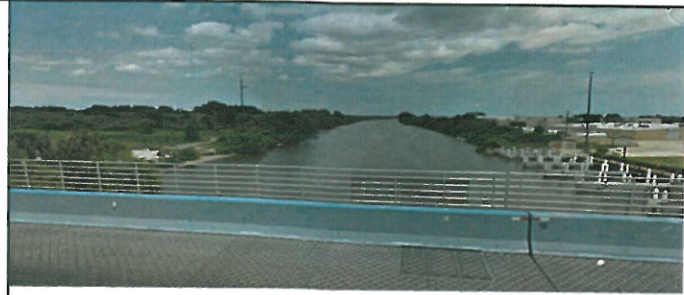
**Project Total:** \$ 809,958

**Project Description**

Provide bypass piping to the Merritt Island service area by directional drilling approx. 750 linear feet of 24" force main underneath the Barge Canal. May be procured from state or other cooperative agreement.

**Service Impact**

Provide redundant pipe crossing of canal to ensure continued sewer system operation and prevent major environmental impact associated with a failure of the current single pipeline.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6985216

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 809,958	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 809,958
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 809,958</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 809,958</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ 780	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 780
Planning/Design	\$ 74,440	\$ 14,738	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 99,178
Construction	\$ -	\$ 110,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 710,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 75,220</b>	<b>\$ 124,738</b>	<b>\$ 610,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 809,958</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## FORCE MAIN M13 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 75,000

**Project Description**

Remove and replace approx. 900 linear feet of 4" asbestos cement force main from LS M-13 to sanitary manhole 003. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
Construction complete September 2017

**Service Impact**

The existing asbestos cement force main is brittle and has a history of breaking.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6985207

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000
Construction	\$ -	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ 55,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## FORCE MAIN NEWFOUND HARBOR REPLACEMENT (V09 to V08)

**Department:** Utility Services Department

**Program:** Water/Wastewater

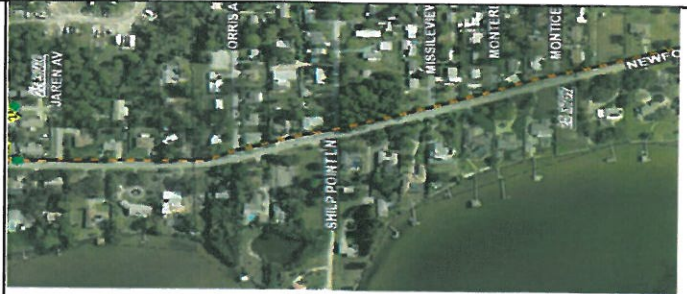
**Project Total:** \$ 581,000

**Project Description**

Remove and replace approx. 4500 LF of 8" asbestos cement force main along Newfound Harbor Dr. from Lift Station V09 to Lift Station V08. May be procured from state or other cooperative agreement.

**Service Impact**

The existing asbestos cement force main is brittle and has a history of breaking.



**Project Milestones**

Sykes Wastewater

Design complete September 2016

Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6985206

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 581,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 581,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 581,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 581,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 74,000	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 81,000
Construction	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 74,000</b>	<b>\$ 507,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 581,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION C01 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 52,500

**Project Description**

Rehabilitate lift station by replacing pumps and relining wetwell. May be procured from state or other cooperative agreement.

**Service Impact**

This station was constructed in 1965 and is in need of rehabilitation.



**Project Milestones**

Sykes Wastewater  
Construction complete September 2017

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 513893

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 52,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,500
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 52,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,500</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 52,500	\$ -	\$ -	\$ -	\$ -	\$ 52,500
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,500</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## LIFT STATION C12 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 519,218

**Project Description**

Replace lift station including new wetwell, pumps, piping, valves and telemetry. May be procured from state or other cooperative agreement.

**Service Impact**

This station was built in 1968, has exceeded its useful life. This is also a can type station which involves personnel climbing down a ladder to service the equipment. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.



**Project Milestones**

Sykes Wastewater  
Construction complete September 2017

**Start Date:** 04/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982221

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 519,218	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 519,218
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 519,218</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 519,218</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 17,811	\$ 45,000	\$ 17,000	\$ -	\$ -	\$ -	\$ -	\$ 79,811
Construction	\$ 6,407	\$ -	\$ 433,000	\$ -	\$ -	\$ -	\$ -	\$ 439,407
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 24,218</b>	<b>\$ 45,000</b>	<b>\$ 450,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 519,218</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION C15 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 330,000

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater

Design complete September 2016

Construction complete September 2017

**Service Impact**

This lift station was constructed in 1962, has exceeded its useful life and needs to be rehabilitated.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6982219

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 330,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 330,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 330,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 330,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 82,500	\$ -	\$ -	\$ -	\$ -	\$ 82,500
Construction	\$ -	\$ -	\$ 247,500	\$ -	\$ -	\$ -	\$ -	\$ 247,500
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 330,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 330,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION C16 REHABILITATION & UPGRADES

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 270,954

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2015  
 Construction complete September 2017

**Service Impact**

This station was constructed in 1979 and some components need to be replaced.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982223

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 270,954	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 270,954
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 270,954</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 270,954</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ 1,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,180
Planning/Design	\$ 16,380	\$ 6,075	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,455
Construction	\$ 6,407	\$ 234,912	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ 247,319
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 23,967</b>	<b>\$ 240,987</b>	<b>\$ 6,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 270,954</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION C18 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 355,485

**Project Description**

Rehabilitate lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

This station was constructed in 1987 and some components need to be replaced.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6987209

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 355,485	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 355,485
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 355,485</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 355,485</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 42,040	\$ 312,000	\$ -	\$ -	\$ -	\$ -	\$ 354,040
Construction	\$ 1,445	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,445
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 1,445</b>	<b>\$ 42,040</b>	<b>\$ 312,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 355,485</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION F03 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 42,500

**Project Description**

Rehabilitate lift station by replacing pumps and piping. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
Construction complete September 2017

**Service Impact**

This station was constructed in 1968 and is in need of rehabilitation.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 513894

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 42,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,500
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 42,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 42,500</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 42,500	\$ -	\$ -	\$ -	\$ -	\$ 42,500
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 42,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 42,500</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION F10 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 236,716

**Project Description**

Rehabilitate lift station electrical. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2014  
 Construction complete September 2017

**Service Impact**

This station was constructed in 1987, has reached the end of its useful life and needs to be rehabilitated.

**Start Date:** 10/01/13      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6351201

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 236,716	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 236,716
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 236,716</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 236,716</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 43,358	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 48,358
Construction	\$ -	\$ 188,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,358
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 231,716</b>	<b>\$ 5,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 236,716</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION M08 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 509,447

**Project Description**

Replace lift station. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
 Engineering complete September 2016  
 Construction complete September 2017

**Service Impact**

The wet well of this lift station is too shallow and surcharges the gravity sewer system. The lift station needs to be replaced.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982212

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 509,447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 509,447
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 509,447</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 509,447</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 47,447	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ 59,447
Construction	\$ -	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 450,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 47,447</b>	<b>\$ 462,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 509,447</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION M09 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 250,000

**Project Description**

Rehabilitate lift station including lining of wetwell and replacement of pumps, piping, and valves. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

Some components of this lift station have reached the end of their useful life and need to be replaced.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6982225

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 62,500	\$ -	\$ -	\$ -	\$ -	\$ 62,500
Construction	\$ -	\$ -	\$ 187,500	\$ -	\$ -	\$ -	\$ -	\$ 187,500
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 250,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## LIFT STATION M16 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 466,200

**Project Description**

Replace LS M-16. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Service Impact**

Construct a new submersible pump lift station to replace the existing lift station.

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982214

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 256,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 256,200
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 466,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 466,200</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 6,200	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 66,200
Construction	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 6,200</b>	<b>\$ 460,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 466,200</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION M18 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 150,000

**Project Description**

Rehabilitate lift station including lining of wetwell and replacement of pumps, piping, and valves. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
Construction Complete - September 2017

**Service Impact**

This lift station was constructed in 1981, has exceeded its useful life and needs to be rehabilitated.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 513892

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION V01 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 265,282

**Project Description**

Replace the existing can type lift station with a submersible style station. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
Bond Project  
Design complete September 2016  
Construction complete September 2017

**Service Impact**

This station was constructed in 1963 and has reached the end of its useful life. This is a can type station which involves personnel climbing down a ladder to service the equipment. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.

**Start Date:** 10/01/13      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982209

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 265,282	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 265,282
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 265,282</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 265,282</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ 21,122	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,122
Planning/Design	\$ 19,438	\$ 11,527	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 35,965
Construction	\$ -	\$ 133,195	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 208,195
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 40,560</b>	<b>\$ 144,722</b>	<b>\$ 80,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 265,282</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION V02 REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 202,284

**Project Description**

Replace the existing can type lift station with a submersible style station. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
Bond Project  
Design complete September 2015  
Construction complete September 2016

**Service Impact**

This station was constructed in 1962 and has reached the end of its useful life. This is a can type station which involves personnel climbing down a ladder to service the equipment. Working in the restricted space at the bottom of these can type stations presents a safety hazard to personnel involved.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982210

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 202,284	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 202,284
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 202,284</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,284</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 5,647	\$ 5,434	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 16,081
Construction	\$ 6,407	\$ 94,796	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 186,203
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 12,055</b>	<b>\$ 100,229</b>	<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 202,284</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION V09 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 355,000

**Project Description**

Modify the existing pillbox style lift station to make it a submersible pump station (including modifications to existing wetwell, pumps, piping, valving, SCADA components, and fence). May be procured from state or other cooperative agreement.

**Service Impact**

This lift station was constructed in 1964, has exceeded its useful life and needs to be rehabilitated. This is a pillbox type station. The conversion of these types of stations into modern submersible style stations is a long term departmental goal to reduce the associated safety hazard to personnel.



**Project Milestones**

Sykes Wastewater  
Engineering complete September 2016  
Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6987208

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 355,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 355,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 355,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 355,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 55,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Construction	\$ -	\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ -	\$ 290,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 55,000</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 355,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## LIFT STATION V10 REHABILITATION

**Department:** Utility Services Department

**Program:** Water/Wastewater

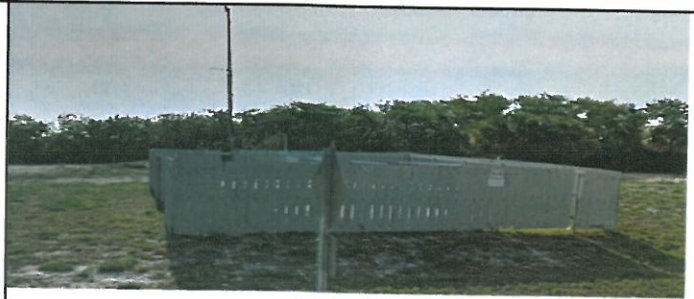
**Project Total:** \$ 427,250

**Project Description**

Modify the existing pillbox style lift station to make it a submersible pump station including new modifications to existing wetwell, pumps, piping, valving, SCADA components, and fence. May be procured from state or other cooperative agreement.

**Service Impact**

This lift station was constructed in 1967, has exceeded its useful life and needs to be replaced. This is a pillbox type station. The conversion of these types of stations into modern submersible style stations is a long term departmental goal to reduce the associated safety hazard to personnel.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6982224

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 427,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,250
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 427,250</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 427,250</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 52,250	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 59,250
Construction	\$ -	\$ -	\$ 368,000	\$ -	\$ -	\$ -	\$ -	\$ 368,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 52,250</b>	<b>\$ 375,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 427,250</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## NORTH COURTENAY PARKWAY UTILITY MAIN EXTENSIONS

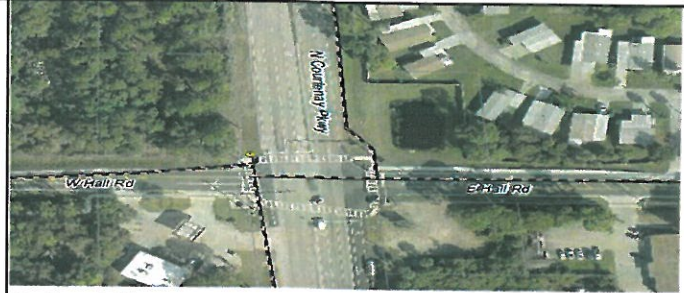
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,096,225

**Project Description**  
Install forcemain and reclaimed water line. May be procured from state or other cooperative agreement.

**Service Impact**  
Install force main and reclaimed water line to serve North of Hall Road.



**Project Milestones**

Sykes Wastewater  
Design complete September 2016  
Construction complete September 2017

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6985213

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 671,225	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 671,225
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ 425,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 425,000
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 671,225</b>	<b>\$ 425,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,096,225</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ 11,235	\$ 51,215	\$ 186,080	\$ -	\$ -	\$ -	\$ -	\$ 248,530
Construction	\$ -	\$ -	\$ 847,695	\$ -	\$ -	\$ -	\$ -	\$ 847,695
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 11,235</b>	<b>\$ 51,215</b>	<b>\$ 1,033,775</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,096,225</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## RECLAIMED WATER IMPROVEMENTS AT SYKES WWTP

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 2,200,000

**Project Description**

Improvements are needed to the reclaimed water system at the Sykes Creek Wastewater Treatment Plant (WWTP).



**Project Milestones**

Sykes Wastewater  
 Design complete September 2017  
 Construction complete September 2018

**Service Impact**

These improvements are necessary in order to perform operation and maintenance tasks necessary to keep the plant in compliance with FDEP regulations.

**Start Date:** 10/01/16      **End Date:** 09/30/18

**Project Manager:** Craig Helping

**Funded Program:** 6300236

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 2,200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,200,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 2,200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,200,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Construction	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ 2,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,200,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>



## REUSE SAND FILTER REHABILITATION & AIR COMPRESSOR

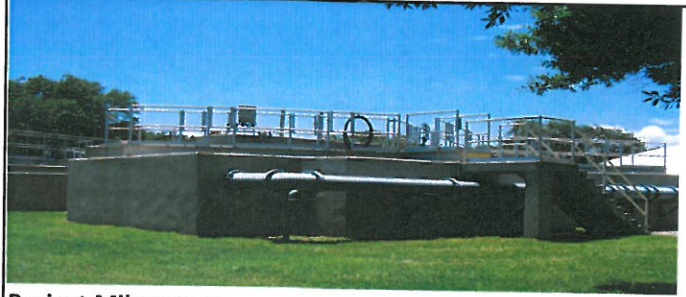
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,690,000

**Project Description**

Retrofit all components of the reuse (2) sand filters. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
Construction complete September 2017

**Service Impact**

The filters were installed in 1988 and the components are obsolete and no longer available.

**Start Date:** 10/01/16      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6984204

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,690,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,690,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,690,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,690,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ 412,500	\$ -	\$ -	\$ -	\$ -	\$ 412,500
Construction	\$ -	\$ -	\$ 1,277,500	\$ -	\$ -	\$ -	\$ -	\$ 1,277,500
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,690,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,690,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) UPGRADE

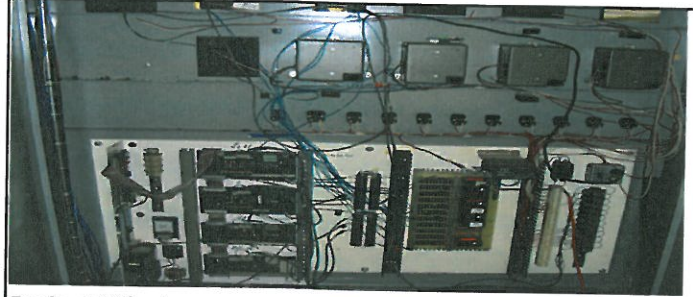
**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 257,089

**Project Description**

Supervisory Control And Data Acquisition (SCADA) system requires upgrade to Remote Terminal Unit (RTU) hardware, fiber optics network and system engineering and software programming /integration at the Sykes Wastewater Plant. May be procured from state or other cooperative agreement.



**Project Milestones**

Sykes Wastewater  
Construction complete September 2017

**Service Impact**

The existing SCADA system is not capable of providing all the information required to properly monitor and operate the facility. This upgrade would bring the plant up to the current level of performance needed.

**Start Date:** 10/01/14      **End Date:** 09/30/17

**Project Manager:** Brian Sorensen

**Funded Program:** 6351204

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 257,089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 257,089
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 257,089</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 257,089</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 121,827	\$ 10,262	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 257,089
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 121,827</b>	<b>\$ 10,262</b>	<b>\$ 125,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 257,089</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SYKES CREEK INFLOW AND INFILTRATION REDUCTION

**Department:** Utility Services Department

**Program:** Water/Wastewater

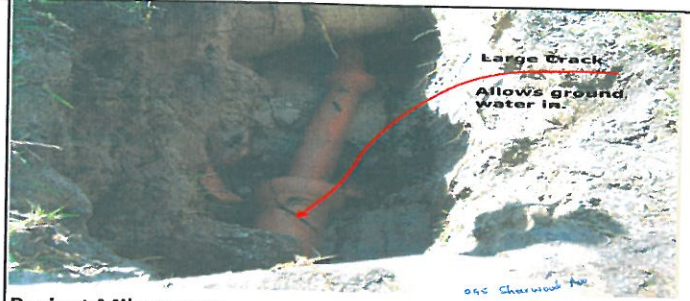
**Project Total:** \$ 3,661,156

**Project Description**

Relining of gravity lines and lining of manholes in this service area. May be procured from state or other cooperative agreement.

**Service Impact**

Rehabilitation reduces Inflow and Infiltration which reduces pumping expense, overflows and returns capacity to the treatment plant.



**Project Milestones**

Sykes Wastewater  
Ongoing Project

**Start Date:** 10/01/14      **End Date:** 09/30/21

**Project Manager:** Craig Helping

**Funded Program:** 6981207

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 2,236,956	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,236,956
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ 1,424,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,424,200
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 3,661,156</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,661,156</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 400,000	\$ 995,156	\$ 797,000	\$ 700,000	\$ 300,000	\$ 250,000	\$ 219,000	\$ 3,661,156
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ 400,000</b>	<b>\$ 995,156</b>	<b>\$ 797,000</b>	<b>\$ 700,000</b>	<b>\$ 300,000</b>	<b>\$ 250,000</b>	<b>\$ 219,000</b>	<b>\$ 3,661,156</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SYKES CREEK PARKWAY FORCE MAIN REPLACEMENT

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 1,150,000

**Project Description**

Replacement of approximately 3500 linear feet of 14 inch diameter sewer force main on Sykes Creek Parkway. This project was identified in the Utilities Services Division Infrastructure Asset Evaluation conducted in 2013 and recommended for replacement in FY 2021. However, the pipe has failed and required emergency repair twice within the last two years and Staff recommends moving the project to FY16/17 to reduce future failures. May be procured from state or other cooperative agreement.

**Service Impact**

Replacement of force main will eliminate sewer spills due to pipe failure in this area and the potential associated impacts to Sykes Creek.



**Project Milestones**

Sykes Wastewater  
 Design complete September 2016  
 Construction complete September 2017

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6985217

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,150,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 1,150,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,150,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 55,125	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,125
Construction	\$ -	\$ 344,875	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 1,094,875
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 400,000</b>	<b>\$ 750,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,150,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## SYKES CREEK WASTEWATER TREATMENT PLANT IMPROVEMENTS (HEADWORKS)

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 4,005,000

**Project Description**

Replacement of failed headworks structures and equipment, RAS/WAS Pump Station Rehabilitation and construction of Vector Truck Dumping Bed. May be procured from state or other cooperative agreement.

**Service Impact**

The headworks structure was installed in 1987 and deteriorated to the point where the building had to be demolished. This current project builds a new headworks structure using modern equipment.



**Project Milestones**

Sykes Wastewater  
Design complete September 2015  
Construction complete September 2018

**Start Date:** 10/01/15      **End Date:** 09/30/17

**Project Manager:** Craig Helping

**Funded Program:** 6540203

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 4,005,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,005,000
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 4,005,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,005,000</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 260,000	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 395,000
Construction	\$ -	\$ -	\$ 3,610,000	\$ -	\$ -	\$ -	\$ -	\$ 3,610,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 260,000</b>	<b>\$ 3,745,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,005,000</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## WEST COCOA SEWER IMPROVEMENTS

**Department:** Utility Services Department

**Program:** Water/Wastewater

**Project Total:** \$ 6,203,187

**Project Description**

Replace certain lift stations and rehabilitate others to bring them into a standard condition. Upgrade pumps in certain lift stations to manage the pressures in the existing force mains. Remove and replace asbestos cement force mains with PVC or HDPE. Replace gravity sewers where necessary to provide sufficient slopes. May be procured from state or other cooperative agreement.

**Service Impact**

Many of the lift stations are sub-standard in that they are merely manholes with pumps in them. There is a history of high maintenance and sewage overflows. Asbestos cement force mains are brittle and prone to break. Pumping rates have not been standardized to have the various pumping stations operate as a system to increase efficiency and limit overflows.



**Project Milestones**

West Cocoa Wastewater

Design complete September 2017

Construction complete September 2020

**Start Date:** 05/01/16

**End Date:** 09/30/20

**Project Manager:**

Craig Helping

**Funded Program:**

6300127

Projected Revenue	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Revenue
Charges for Services	\$ 6,203,187	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,203,187
Permit/Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond/Referendum	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loans	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Revenue</b>	<b>\$ 6,203,187</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,203,187</b>

Projected Expenses	All Prior Fiscal Years	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Costs
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Planning/Design	\$ -	\$ 503,187	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,503,187
Construction	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 2,700,000	\$ -	\$ -	\$ 4,700,000
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Expense</b>	<b>\$ -</b>	<b>\$ 503,187</b>	<b>\$ 1,000,000</b>	<b>\$ 2,000,000</b>	<b>\$ 2,700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,203,187</b>

Operating Expenditures (Savings)	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21 & Future	Total Impact
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Impact</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>