

Pasco County Project Detail

Project: UTA231	Title: 2-Ton Crane Truck/Plant Mechanic	Status: New Project
Category: Utilities Miscellaneous Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A	Plan Reference:	District: All Commission Districts
LOS/Concurrency: N/A	Project Need: N/A	Location:

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
124,000	0	124,000	0	0	0	0	0

Definition and Scope

2 Ton Crane Truck with Air Compressor for the Plant Mechanic.

Rationale

This vehicle and its tools are needed for the Maintenance and repairs of out Wastewater Treatment Plants, our Water Treatment Plants, and our County owned Wells and Generators. This vehicle and its tools are needed for the height and weight of the equipment that we work with on a daily basis.

Funding Strategy

This is funded by the Water and Sewer Capital Project Fund.

Operating Budget Impacts

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Project Map



Schedule of Activities

Project Activities	From - To	Amount
Vehicles	10/16 - 09/16	124,000
Total Budgetary Cost Estimate:		124,000
Means of Financing		
Funding Source		Amount
Utilities Water and Sewer Funds		124,000
Total Programmed Funding:		124,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA218 | **Title:** Boyette Water Treatment Plant Disinfection Improvement | **Status:** New Project

Category: Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** | **District:** District 1
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Wesley Chapel

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
100,000	0	100,000	0	0	0	0	0

Definition and Scope

This project is to improve the quality of water leaving the Boyette Water Treatment Plant by installing a new ammonium sulfate chemical feed system and relocating the point of existing chlorine chemical injection.

Rationale

This project significantly contributes to the goals and objectives of Pasco County Utilities by greatly reducing annual maintenance costs while contributing to the compliance of water quality permit regulations and public safety. This project will also increase operating efficiencies and level of service.

Funding Strategy

This project is funded by Utilities Water Impact Fees.

Operating Budget Impacts

Annual operating costs for staff time and water loss are expected to decrease by approximately \$50,000 while chemical costs are expected to increase by \$10,000 for a net reduction of \$40,000, annually.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/17	100,000
Total Budgetary Cost Estimate:		100,000
Means of Financing		
Funding Source	Amount	
Water Impact Fees	100,000	
Total Programmed Funding:		100,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA186 | **Title:** Cowpath Pump Station Modification | **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:** | **District:** District 2
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Wesley Chapel

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,121,718	121,718	1,000,000	0	0	0	0	0

Definition and Scope

This project is to investigate, design and construct improvements to resolve operational and maintenance issues at the pump station.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by increasing the wastewater system reliability and operational efficiency while decreasing maintenance costs for staff time and repairs. This project reduces exposure to risks of wastewater system failure and is needed to meet contractual obligations for regulatory and service requirements.

Funding Strategy

This project is funded by a combination of 2009 Water and Sewer Bond Funds and Utilities Wastewater (Sewer) Impact Fees.

Operating Budget Impacts

Operational manpower costs will increase by approximately \$4,000 per year due to field checks, obstruction removal, and instrument calibration.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	11/15 - 09/18	1,121,718
Total Budgetary Cost Estimate:		1,121,718

Means of Financing

Funding Source	Amount
2009 Water and Sewer Bond Fund	121,718
Wastewater (Sewer) Impact Fees	1,000,000
Total Programmed Funding:	1,121,718
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA034 | **Title:** Crystal Springs Water Main - Phase I | **Status:** Existing Project - Additional Funding Required

Category: Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:**
LOS/Concurrency: N/A | **Project Need:** N/A

Project Location

District: District 1
Location: Crystal Springs

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,000,000	0	1,000,000	0	0	0	0	0

Definition and Scope

This project will connect Crystal Springs Water Service Area to the Pasco County Water System. The water lines will be installed on Crystal Springs Road to the Riverwood subdivision.

Rationale

This project will allow for more reliable service to the citizens of the Crystal Springs area and allow the County to comply with conditions of the purchase/sale agreement that requires the County to disconnect from the Crystal Springs well.

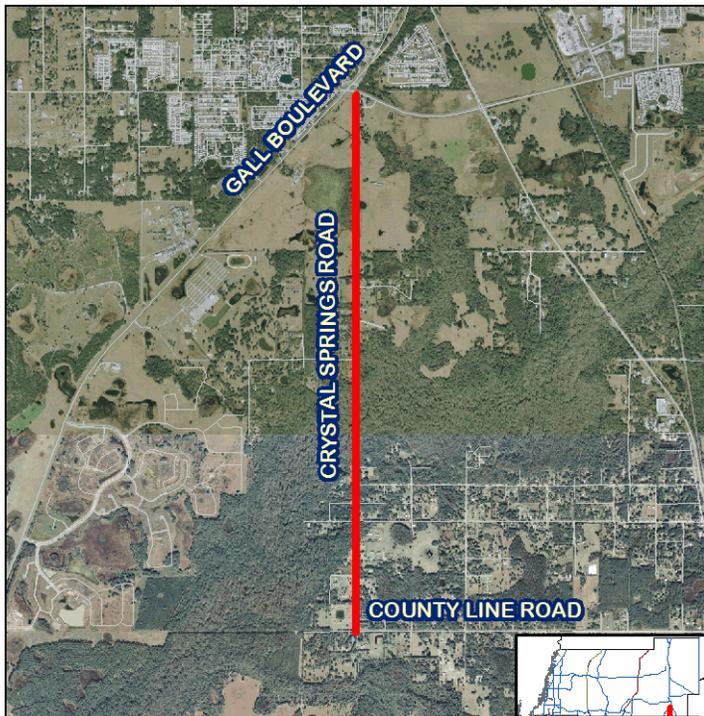
Funding Strategy

This project is funded by a combination of Water Impact Fees and Utilities Renewal and Replacement Funds.

Operating Budget Impacts

Increase in additional operating costs are estimated at \$2,000 per year, which will be offset by eliminating a \$6,000 per year lease payment.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/17	150,000
Construction	01/17 - 09/19	850,000

Total Budgetary Cost Estimate: 1,000,000

Means of Financing

Funding Source	Amount
Water Impact Fees	950,000
Utilities Renewal and Replacement Funds	50,000

Total Programmed Funding: 1,000,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA092 | **Title:** Cypress Manor WWTP Replacement | **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:** | **District:** District 1
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Dade City

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,000,000	0	1,000,000	0	0	0	0	0

Definition and Scope

This project provides design engineering and construction to replace the existing aged Cypress Manor Wastewater Treatment Plant.

Rationale

This project addresses the need to provide safe, reliable wastewater treatment by replacing existing out dated technology and equipment in need of continuous maintenance with more reliable equipment. This equipment will be similar to the what is used at other plants to provide consistency of operation and maintenance.

Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

This project will rehabilitate existing facilities to increase operational efficiency.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/18	200,000
Construction	01/17 - 09/18	800,000

Total Budgetary Cost Estimate: 1,000,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	1,000,000

Total Programmed Funding: 1,000,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA213	Title: Deep Well Injection System	Status: New Project
Category: Solid Waste/Resource Recovery	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A	Plan Reference:	District: District 5
LOS/Concurrency: N/A	Project Need: N/A	Location: Spring Hill

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
4,900,000	1,100,000	3,800,000	0	0	0	0	0

Definition and Scope

The current leachate disposal is to store the leachate in a storage tank then transport it to Tampa for disposal. It is proposed to replace this practice by constructing an on site deep well injection well.

Rationale

This project replaces existing CIP Project No. UTA147 West Pasco Landfill 5-Million Gallon Crom Tank at a cost of 5.5M and disposing of the leachate. The new project will allow the county to eliminate third party hauling and disposal fees and will eliminate risks for environmental liability associated with the current leachate disposal practice.

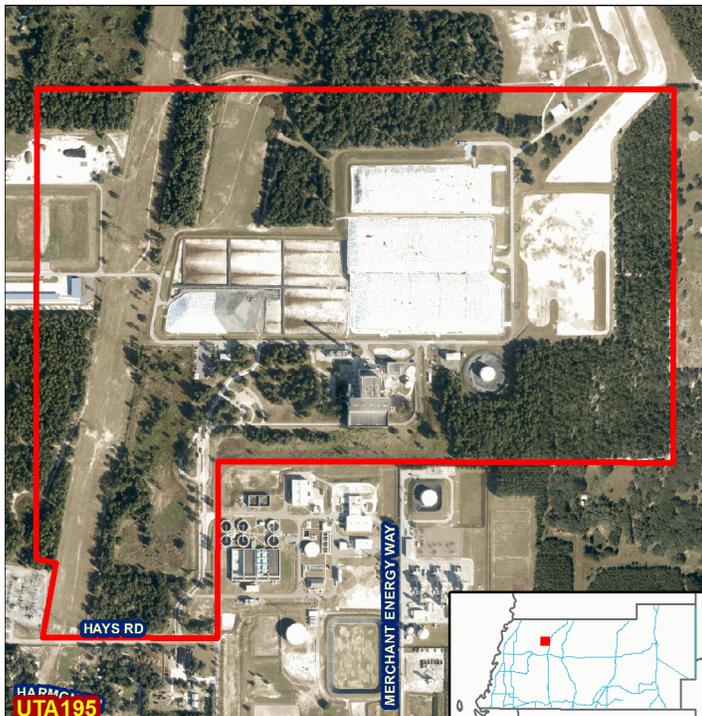
Funding Strategy

This project is funded by Solid Waste Capital Fund.

Operating Budget Impacts

This project will decrease the annual disposal and transportation. Payback from this projected is projected to be 7 years and the cost savings are estimated to be around 360,000 or greater a year starting in FY2019-2020.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	05/16 - 06/17	1,100,000
Construction	10/16 - 06/17	3,800,000
Total Budgetary Cost Estimate:		4,900,000

Means of Financing

Funding Source	Amount	
Solid Waste Capital Fund	4,900,000	
Total Programmed Funding:		4,900,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA219	Title: Distribution System Controls Instrumentation	Status: New Project
Category: Water Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: N/A	Plan Reference:	District: All Commission Districts
LOS/Concurrency: N/A	Project Need: N/A	Location: District

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
400,000	0	0	400,000	0	0	0	0

Definition and Scope

This project is to improve monitoring, operation and understanding of the water distribution system by installing system- wide remote metering equipment.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by increasing level of service through improved monitoring of pressures and flows and while significantly reducing annual maintenance costs in staff time. Having a better understanding of the water system will also significantly increase operating efficiency and contribute to the safety and security through water quality and fire protection.

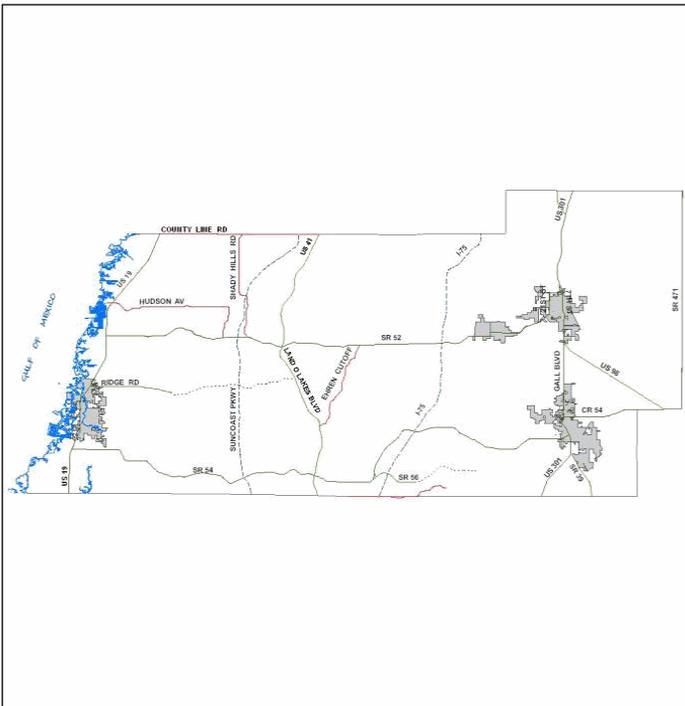
Funding Strategy

This project is funded by Utilities Water Impact Fees.

Operating Budget Impacts

Impacts to the budget will be realized through increases in staff efficiency, which is currently estimated at approximately \$30,000 annually.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/17 - 09/19	400,000
Total Budgetary Cost Estimate:		400,000
Means of Financing		
Funding Source		Amount
Water Impact Fees		400,000
Total Programmed Funding:		400,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA115 | **Title:** East Pasco Transfer Station Expansion | **Status:** Existing Project - No Additional Funding
Category: Solid Waste/Resource Recovery | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:** | **District:** District 1
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Dade City

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				
			FY 2018	FY 2019	FY 2020	FY 2021	Future Funding
6,000,000	0	500,000	5,500,000	0	0	0	0

Definition and Scope

This project expands the capacity of the existing transfer station building and doubles Solid Waste capacity to meet the demands and population growth of the east side of the County. According to the strategic plan for Solid Waste, due to the projected growth in the County and the projected increase of the municipal solid waste, the current facility will be undersized within the next 3-5 years.

Rationale

The current transfer station building is designed to move and transfer 250-300 tons per day of Municipal Solid Waste. This project is an expansion that doubles the current structure size and capacity to handle the population growth.

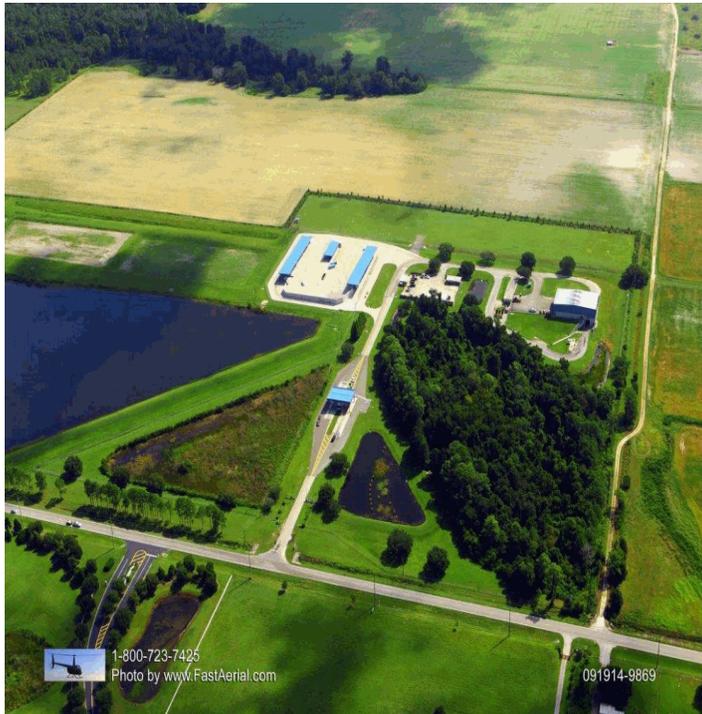
Funding Strategy

This project is funded by the Solid Waste Capital Fund.

Operating Budget Impacts

The facility will be operating with the same amount of staff and equipment.

Project Map



1-800-723-7425
Photo by www.FastAerial.com

091914-9869

Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/18	500,000
Construction	10/17 - 09/18	5,500,000
Total Budgetary Cost Estimate:		6,000,000

Means of Financing

Funding Source	Amount
Solid Waste Capital Fund	6,000,000
Total Programmed Funding:	6,000,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA215	Title: Embassy Hills WWTP Rehab & Improvements	Status: New Project
Category: Wastewater Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: N/A	Plan Reference:	District: District 5
LOS/Concurrency: N/A	Project Need: N/A	Location: Embassy Hills

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
5,500,000	0	500,000	5,000,000	0	0	0	0

Definition and Scope

Embassy Hills WWTP is nearing the end of its projected useful life and specific components have presented operational, structural and other suspected issues. This project is two phases: 1. Professional engineers are to provide detailed inspection of structures and other components to determine specific needs and relative extent of the project (e.g. minor repairs vs total replacement to extend the useful life of the facility). 2. Assuming the recommendations of Phase 1 are reasonable, design and construction will proceed. This project replaces UTA019, Embassy Hills WWTP Diversion to Shady Hills WWTP.

Rationale

This project significantly contributes to the goals and objectives of Pasco County Utilities by increasing the flexibility and reliability of the Embassy Hills plant and service area while greatly reducing annual maintenance costs. Repairs and improvements to the existing facility will also increase plant operating efficiency and contribute to the safety and reduction of risk exposure from plant process or structure failure.

Funding Strategy

This project is funded by 2014 Water and Sewer Revenue Bonds.

Operating Budget Impacts

Impacts to the budget will be determined by projects needed to address issues identified during the inspection of the plant and are not quantifiable at this time.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/18	500,000
Construction	10/17 - 09/20	5,000,000
Total Budgetary Cost Estimate:		5,500,000

Means of Financing

Funding Source	Amount	
2014 Water and Sewer Revenue Bonds	5,500,000	
Total Programmed Funding:		5,500,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA004 | **Title:** Four G Ranch | **Status:** Existing Project - No Additional Funding

Category: Reclaimed Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: Yes | **Plan Reference:** Chapter 10 | **District:** District 1, District 5
LOS/Concurrency: No | **Project Need:** | **Location:** Spring Hill and Land O Lakes

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
10,929,669	0	10,929,669	0	0	0	0	2,357,160

Definition and Scope

This project will provide for additional disposal capacity of reclaimed water during wet weather periods of the year. Specifically, projects which enhance environmental restoration and/or groundwater replenishment.

Rationale

The Florida Department of Environmental Protection requires all wastewater utility operations to provide wet weather disposal capacity.

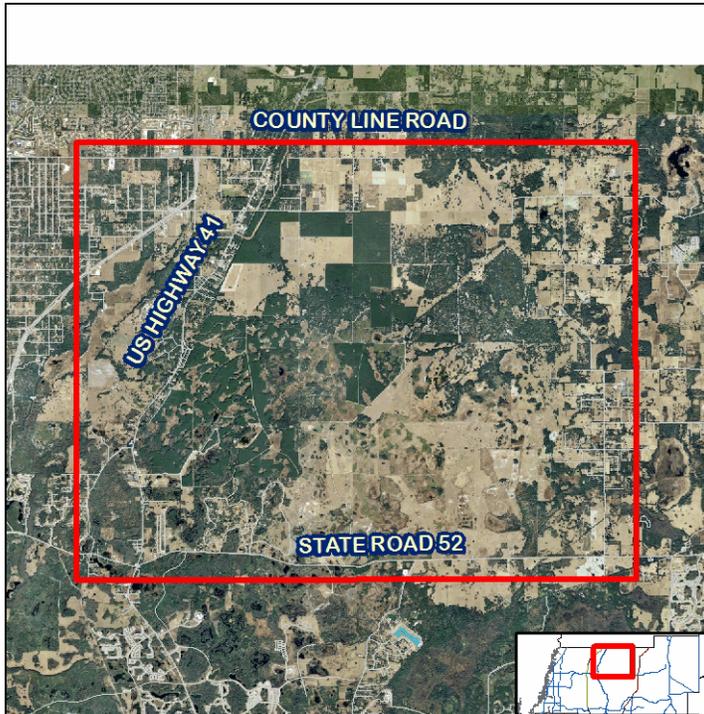
Funding Strategy

This project is funded by a combination of Utilities Capital Improvement Funds and Wastewater (Sewer) Impact Fees.

Operating Budget Impacts

The net increase to the operating budget is currently subject to a long-term operation contract, which is currently under negotiation.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/17	2,357,160
Construction	12/16 - 09/19	10,929,669

Total Budgetary Cost Estimate: 13,286,829

Means of Financing

Funding Source	Amount
Wastewater (Sewer) Impact Fees	10,929,669

Total Programmed Funding: 10,929,669

Future Funding Requirements: 2,357,160

Pasco County Project Detail

Project: UTA181 | **Title:** Gravity Collection System Improvement Program | **Status:** Existing Project - No Additional Funding
Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:** | **District:** All Commission Districts
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Countywide

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
3,198,720	1,698,720	1,500,000	0	0	0	0	198,720

Definition and Scope

This project addresses the rehabilitation of the aged gravity sewer collection system to ensure it continues to function in a reliable manner.

Rationale

This project will rehabilitate gravity sewer collection pipes and manholes. In turn, this will reduce system inflow and infiltration (I&I), and alleviate additional flows to the collection and treatment systems. Additionally, it will reduce the amount of unwanted wastewater constituents (i.e. chlorides) entering the system, which will help the County comply with state regulations.

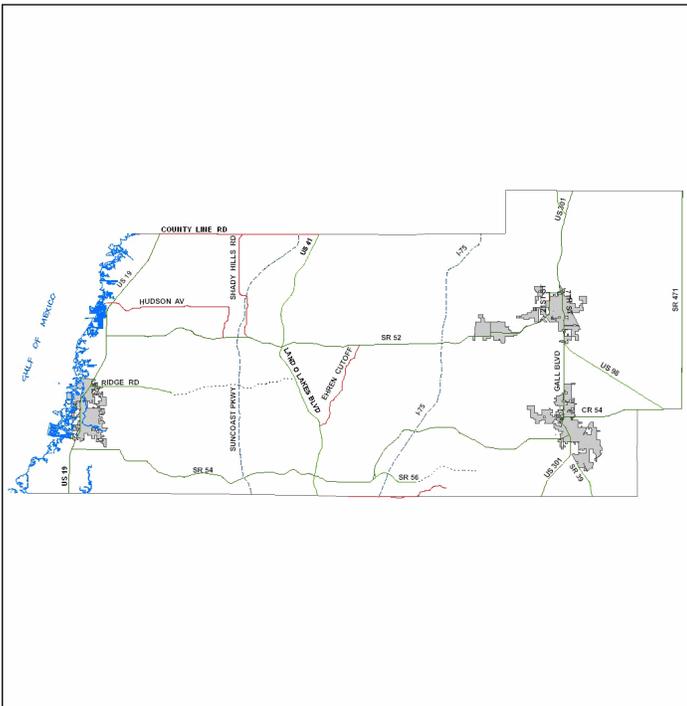
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds and the 2014 Water and Sewer Revenue Bond.

Operating Budget Impacts

This project will rehabilitate existing portions of the gravity sewer collection system which will increase operational efficiency.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	11/14 - 12/16	198,720
Construction	10/15 - 09/17	3,198,720

Total Budgetary Cost Estimate: 3,397,440

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	198,720
2014 Water and Sewer Revenue Bonds	3,000,000

Total Programmed Funding: 3,198,720

Future Funding Requirements: 198,720

Pasco County Project Detail

Project: UTA107 | **Title:** Handcart Rd. Water Transmission Main | **Status:** Existing Project - Additional Funding Required

Category: Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** | **District:** District 1, District 2
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Zephyrhills

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
750,000	80,000	670,000	0	0	0	0	0

Definition and Scope

Construct a 16-inch water main near the intersection of Handcart Road and Eiland Boulevard to address current and future customer drinking water demand.

Rationale

Water supply in this area is provided by Pasco County Utilities' wells at the Southeast Water Treatment Plant (SE WTP). Constructing a water main is the most cost effective approach to meet future demand. The main will connect the system to the Boyette Water Treatment Plant. Boyette Water Treatment Plant's water is provided by Tampa Bay Water.

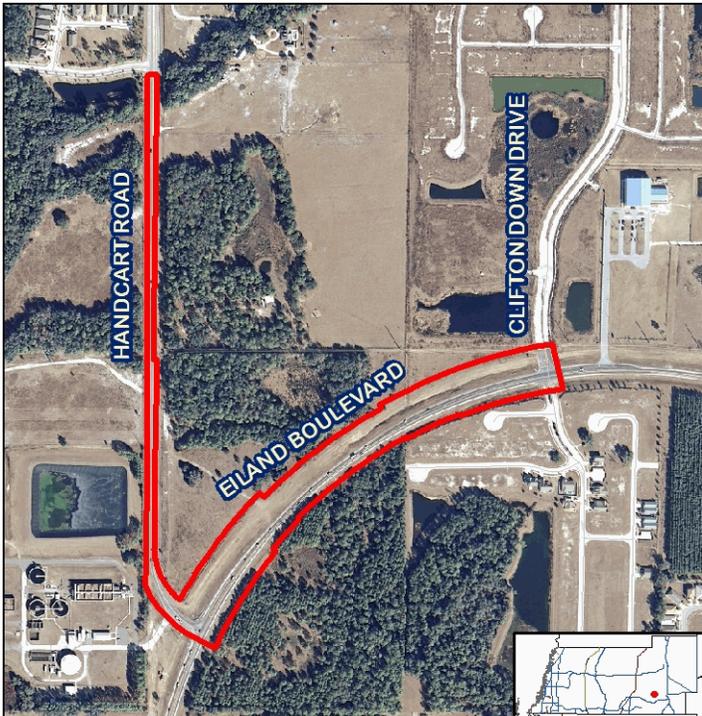
Funding Strategy

This project is funded by Utilities Water Impact Fees.

Operating Budget Impacts

Additional valve maintenance may be required and is estimated at \$1,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/15 - 11/16	80,000
Construction	10/16 - 08/18	670,000

Total Budgetary Cost Estimate: 750,000

Means of Financing

Funding Source	Amount
Water Impact Fees	750,000

Total Programmed Funding: 750,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA028 **Title:** Handcart Road, Southeast WWTP to Oak Trail Force Main **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: Yes **Plan Reference:** Chapter 10, 3.1.
LOS/Concurrency: Yes **Project Need:** Growth

Project Location

District: District 1
Location: Wesley Chapel

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
750,000	70,000	680,000	0	0	0	0	0

Definition and Scope

Provide a larger force main along Handcart Road between the Southeast Plant and Oak Trail.

Rationale

To increase wastewater transmission system capacity along Handcart Road.

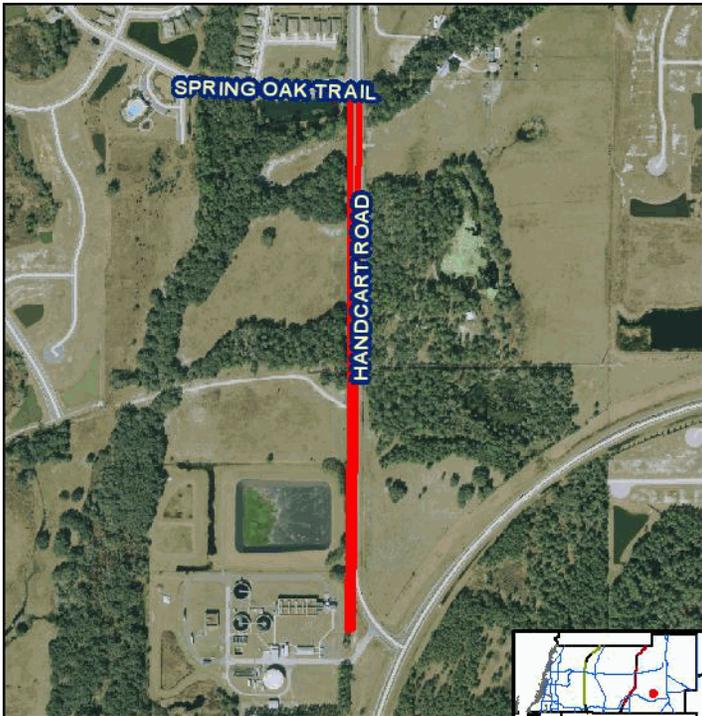
Funding Strategy

This project is funded by 2014 Water and Sewer Revenue Bonds.

Operating Budget Impacts

Operational impacts include increased valve maintenance estimated at \$300 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	06/16 - 09/17	70,000
Construction	11/16 - 04/17	680,000

Total Budgetary Cost Estimate: 750,000

Means of Financing

Funding Source	Amount
2014 Water and Sewer Revenue Bonds	750,000

Total Programmed Funding: 750,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA223 **Title:** Hillcrest Water Treatment Plant Rehab **Status:** New Project
Category: Water Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:**
LOS/Concurrency: N/A **Project Need:** N/A

Project Location

District: District 1
Location: Geraldine Road, Dade City

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
250,000	0	0	250,000	0	0	0	0

Definition and Scope

This project is for structural repairs to the well house located at the Hillcrest Water Treatment Plant.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by contributing to the safety of the staff operating at the plant and protection of existing assets.

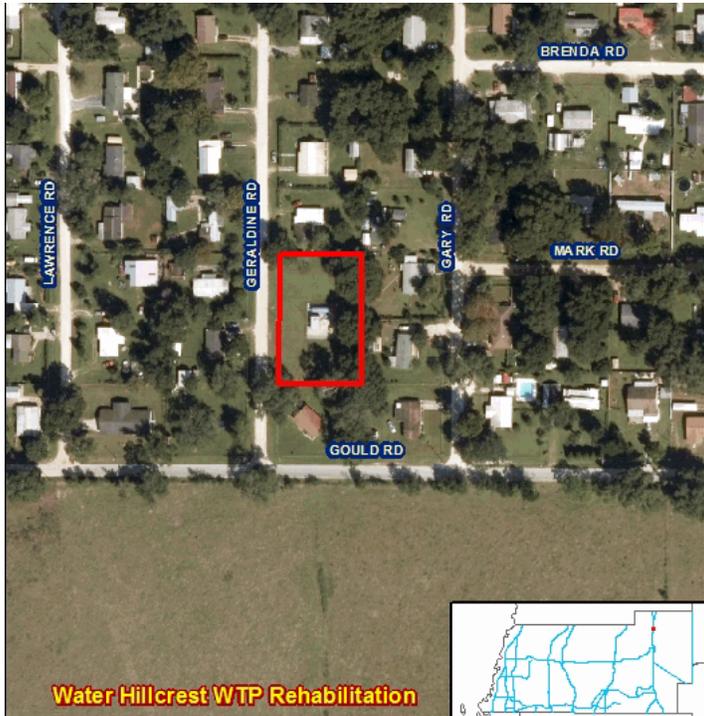
Funding Strategy

This project is funded by Utilities Renewal and Replacement Fund.

Operating Budget Impacts

Operating impacts are expected to be budget neutral.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/17 - 09/18	250,000
Total Budgetary Cost Estimate:		250,000

Means of Financing

Funding Source	Amount	
Utilities Renewal and Replacement Funds	250,000	
Total Programmed Funding:		250,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA224 **Title:** Hudson Reclaimed Rapid Infiltration Basin Distr Impvmnts **Status:** New Project
Category: Reclaimed Water Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:** **District:** District 5
LOS/Concurrency: N/A **Project Need:** N/A **Location:** Denton Avenue, Hudson

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
75,000	0	0	75,000	0	0	0	0

Definition and Scope

This project is to modify and improve the Hudson Rapid-Rate Infiltration Basins to operate more efficiently and fully utilize their permitted capacity.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by increasing the capacity, flexibility and reliability of the reclaimed water system.

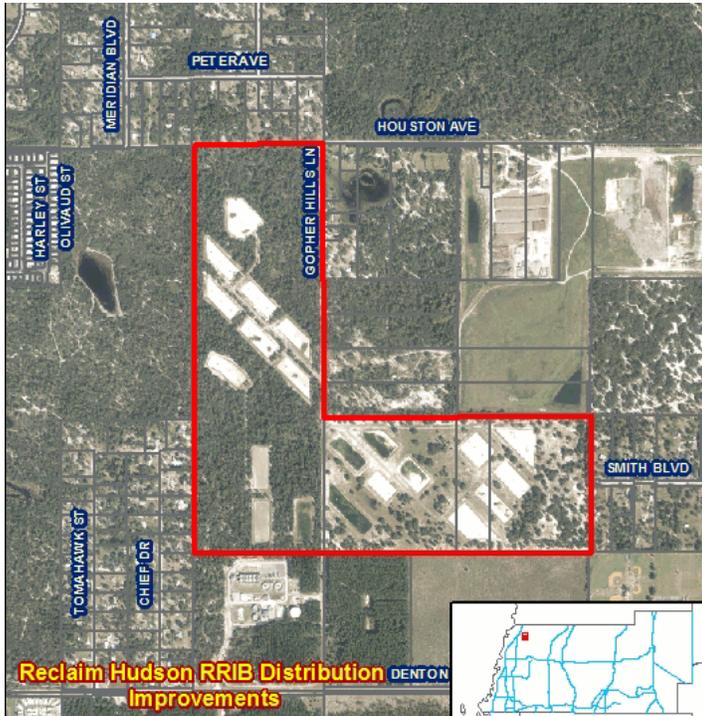
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

Operating impacts are expected to be budget neutral.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/17 - 09/18	75,000
Total Budgetary Cost Estimate:		75,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	75,000
Total Programmed Funding:	75,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA221	Title: Isolated System Interconnect	Status: New Project
Category: Water Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: N/A	Plan Reference:	District: District 1
LOS/Concurrency: N/A	Project Need: N/A	Location: Dade City

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
100,000	0	100,000	0	0	0	0	0

Definition and Scope

This project is to provide service reliability to Pasco County customers located in isolated water systems by establishing connections to nearby water systems for use during low pressure situations.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by increasing water system capacity, flexibility and reliability to those customers located in isolated water systems. Providing a backup supply to these water systems also increases operating efficiency and decreases annual maintenance costs. Increasing system reliability also contributes to customer safety and security.

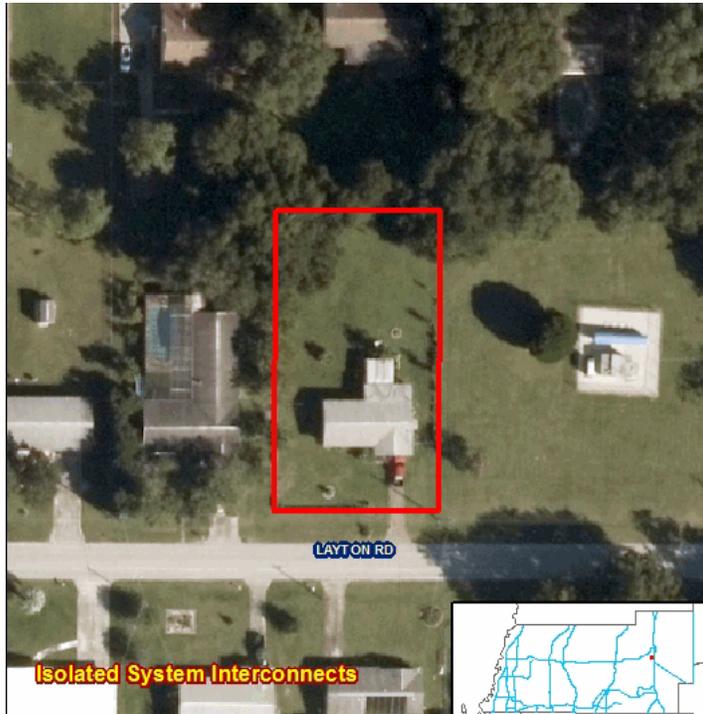
Funding Strategy

This project is funded by Water Impact Fees.

Operating Budget Impacts

Annual operating costs in staff time related to emergency response are expected to be reduced by \$5,000, annually.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/17	100,000
Total Budgetary Cost Estimate:		100,000

Means of Financing

Funding Source	Amount	
Water Impact Fees	100,000	
Total Programmed Funding:		100,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: 600003 **Title:** Large Commerical Water Meter Changeouts **Status:** Existing Project - No Additional Funding
Category: Water Projects **Business Center:** Capital **LMS:**N/A

Comprehensive Plan Information

Project Location

CIE Project: No **Plan Reference:** No **District:** All Commission Districts
LOS/Concurrency: No **Project Need:** **Location:** Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
500,000	0	250,000	250,000	0	0	0	0

Definition and Scope

Project is to address the replacement of commercial meters that are two inch and larger in size.

Rationale

Replacing the meters will enable more reliable data to measure flow of water/wastewater to customers for billing and the various mandatory consumption reports Utilities provides.

Funding Strategy

This project is funded by Utilities Capital Improvement Funds.

Operating Budget Impacts

This project is for the renewal and replacement of existing water meters and will have no net impact on the operating budget.

Project Map

Schedule of Activities



Project Activities	From - To	Amount
Equipment	10/16 - 09/21	500,000
Total Budgetary Cost Estimate:		500,000
Means of Financing		
Funding Source	Amount	
Utilities Capital Improvement Funds	500,000	
Total Programmed Funding:		500,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA139 | **Title:** Large Reclaim Meter Replacement | **Status:** Existing Project - Additional Funding Required

Category: Reclaimed Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** No | **District:** All Commission Districts
LOS/Concurrency: Yes | **Project Need:** Deficiency | **Location:** Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				
			FY 2018	FY 2019	FY 2020	FY 2021	Future Funding
200,000	0	200,000	0	0	0	0	0

Definition and Scope

This project is to repair or replace as needed the three inch or larger meters where Pasco County Utilities provides reclaim water service.

Rationale

Project is part of a program to replace aged metering devices.

Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

This project replaces existing meters and will not create any additional O&M commitments.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/17	200,000
Total Budgetary Cost Estimate:		200,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	200,000
Total Programmed Funding:	200,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA149 | **Title:** Leachate Collection System Improvement | **Status:** Existing Project - No Additional Funding
Category: Solid Waste/Resource Recovery | **Business Center:** Capital | **LMS:**N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** No | **District:** District 5
LOS/Concurrency: Yes | **Project Need:** Deficiency | **Location:** Spring Hill

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
350,000	35,000	315,000	0	0	0	0	0

Definition and Scope

This project is to conduct modification to the leachate collection system through updating the metering and monitoring controls in order to be in compliance with FDEP regulations.

Rationale

We currently meter our leachate generation through an in house design. The current system has been labor intensive and is in need of an engineering design update. This is a compliance requirement.

Funding Strategy

This project is funded by Solid Waste Capital and Solid Waste System Fund.

Operating Budget Impacts

No additional maintenance or operational costs will be required. This is strictly updating metering and control systems for the Leachate Control Systems.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	03/15 - 12/15	35,000
Construction	10/16 - 09/17	315,000
Total Budgetary Cost Estimate:		350,000

Means of Financing

Funding Source	Amount	
Solid Waste System Fund	35,000	
Solid Waste Capital Fund	315,000	
Total Programmed Funding:		350,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA191 | **Title:** Little Rd Force Main Improvement | **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:** | **District:** District 4
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** New Port Richey

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
500,000	0	500,000	0	0	0	0	0

Definition and Scope

This project is to develop alternatives and implement a solution to provide sewer service to customers along Little Road currently served by a gravity sewer experiencing substantial operational and maintenance issues.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by increasing the operating efficiency and decreasing annual maintenance costs while maintaining or increasing the level of service. A successful solution is also needed to meet contractual obligations and reduce the risk of sewer system failure.

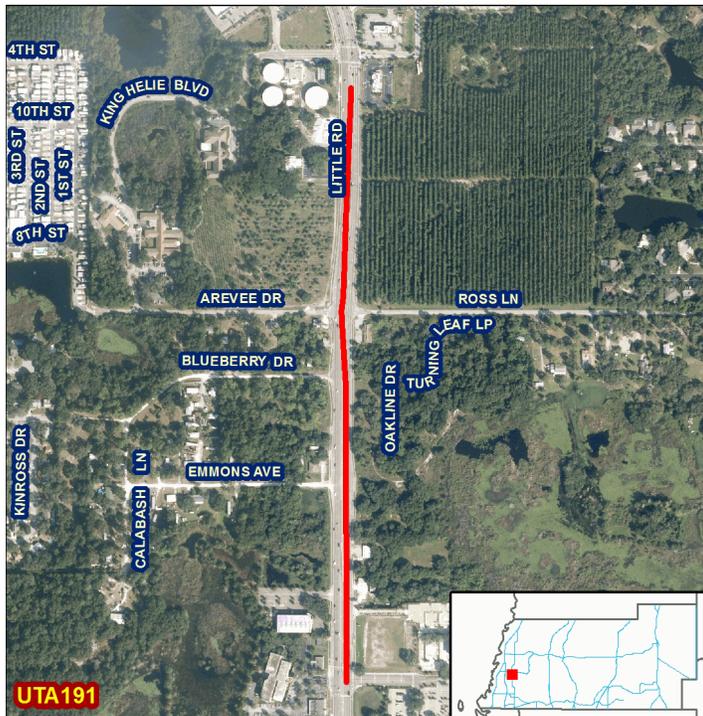
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

Operational impacts include increased valve maintenance estimated at \$1,500 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/18	500,000
Total Budgetary Cost Estimate:		500,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	500,000
Total Programmed Funding:	500,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA187 | **Title:** Little Rd Water Treatment Plant Improvements | **Status:** Existing Project - No Additional Funding
Category: Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:** | **District:** District 4
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** New Port Richey

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
2,967,374	0	2,967,374	0	0	0	0	0

Definition and Scope

This project provides for detailed study, design and construction services to address hydraulic issues and improve overall operating efficiency at the Little Road Water Treatment Plant.

Rationale

This project significantly contributes to Pasco County Utilities goals and objectives by increasing the water system level of service and treatment plant operating efficiency while decreasing annual maintenance costs. Upgrades to treatment plant operations also contributes to safety by improving fire protection and service reliability.

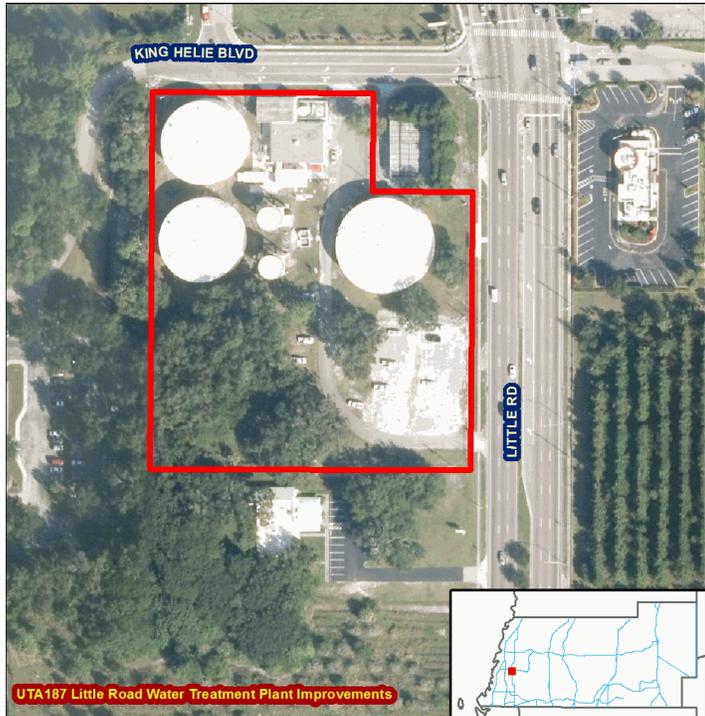
Funding Strategy

This project is funded by a combination of Utilities Renewal and Replacement Funds, Water Impact Fees and Utilities Capital Improvements Fund.

Operating Budget Impacts

This project will decrease maintenance costs and energy costs by increasing the operating efficiency and reducing staff time dedicated to manually operating the pump station. Overall operational savings will be quantified upon study completion.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/17	450,000
Construction	01/17 - 09/20	2,517,374
Total Budgetary Cost Estimate:		2,967,374

Means of Financing

Funding Source	Amount	
Water Impact Fees	1,375,000	
Utilities Renewal and Replacement Funds	1,375,000	
Utilities Capital Improvement Funds	217,374	
Total Programmed Funding:		2,967,374
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA135 | **Title:** Neighborhood Water Distribution Improvement Project | **Status:** Existing Project - Additional Funding Required

Category: Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** No | **District:** All Commission Districts
LOS/Concurrency: Yes | **Project Need:** Deficiency | **Location:** Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
3,250,000	0	250,000	750,000	750,000	750,000	750,000	0

Definition and Scope

This will be a five year project to replace aged water mains with new mains and improve water pressure and available fire hydrant flow in their associated service areas.

Rationale

The project is to address the replacement of aging pipe in the water distribution which affect the water system's reliability.

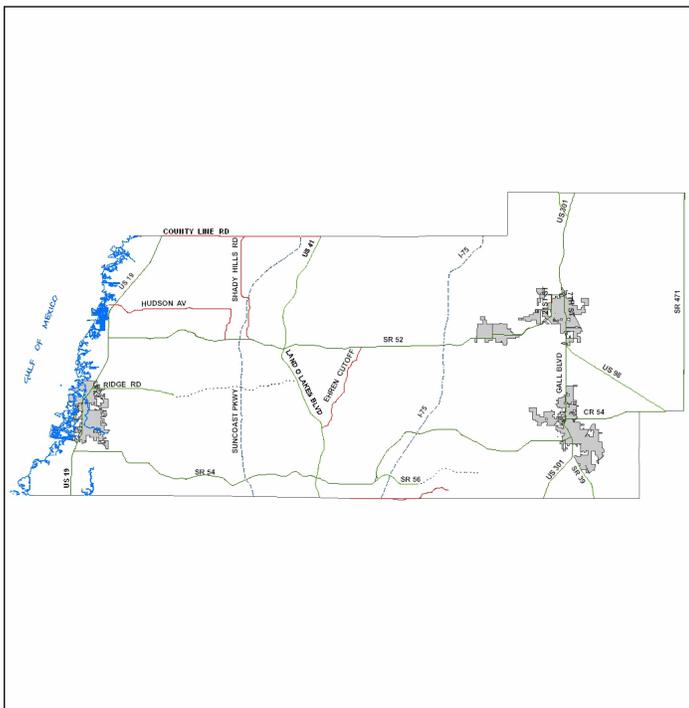
Funding Strategy

This project is funded by a combination of Utilities Renewal and Replacement Funds and Water Impact Fees.

Operating Budget Impacts

This project replaces existing assets and does not create any additional O&M commitments.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/22	3,250,000
Total Budgetary Cost Estimate:		3,250,000
Means of Financing		
Funding Source	Amount	
Water Impact Fees	2,437,500	
Utilities Renewal and Replacement Funds	812,500	
Total Programmed Funding:		3,250,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA222	Title: Oversize Agreements	Status: New Project
Category: Water Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A	Plan Reference:	District: District 1, District 4
LOS/Concurrency: N/A	Project Need: N/A	Location: Wesley Chapel, Land O Lakes

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
100,000	0	100,000	0	0	0	0	0

Definition and Scope

This project increases the capacity of development driven utility projects to provide future system benefit.

Rationale

Developers provide utility infrastructure to support their development's needs. In some instances, a system benefit can be achieved by providing additional capacity. By making this investment early, the County can achieve significant construction cost savings and disruption to the public in the future.

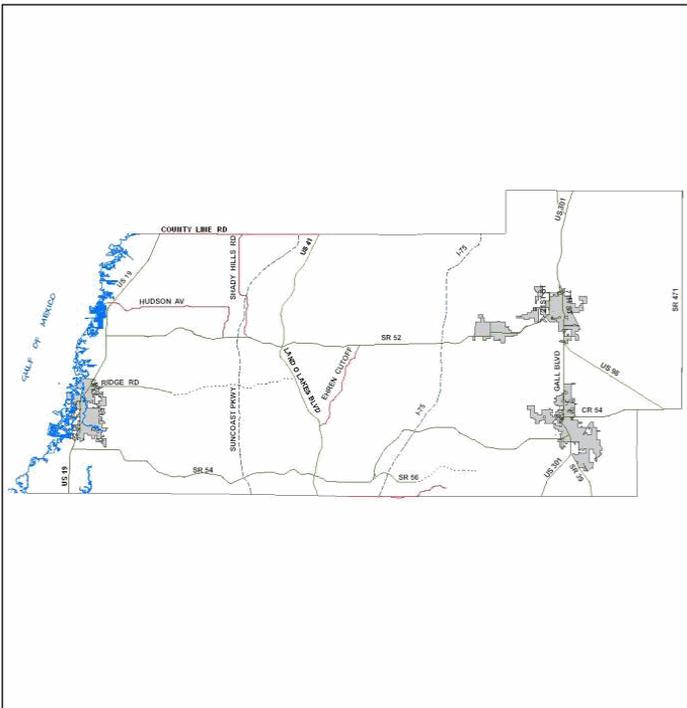
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

The impacts to Operations and Maintenance by oversizing are neutral.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 10/18	100,000

Total Budgetary Cost Estimate: 100,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	100,000

Total Programmed Funding: 100,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA214 | **Title:** PC Scales Upgrade | **Status:** New Project

Category: Solid Waste/Resource Recovery | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** | **District:** District 1, District 5
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Dade City and Spring Hill

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding					Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021		
85,000	0	85,000	0	0	0	0	0	

Definition and Scope

PC Scales is the software which supports our scale system for the Solid Waste Department at the West Pasco Landfill and the East Pasco Transfer Station. Our current version of PC Scales has become unreliable and subject to failure due to the age of the hardware and the old version of the software we currently use. Replacement and upgrade to both the software and hardware, computers and server is much needed to ensure the system functionality.

Rationale

Pasco County is currently running version 5.0.33 and the current version of PC Scales is 5.0.50 which has many features the old program does not have; as well as fixes to issues of the old version. The hardware also needs to be upgraded as the equipment is the original which was installed in 2007. The server has experienced several crashes and Dell no longer stocks the replacement part. In addition, the Solid Waste Department will be adding electronic counters to the 3 Solid Waste scale locations to accurately track and count the number of residences that utilize the sites. This will also enable the County to monitor the level of service, comparing the number of citizens served and their responses, both positive and negative.

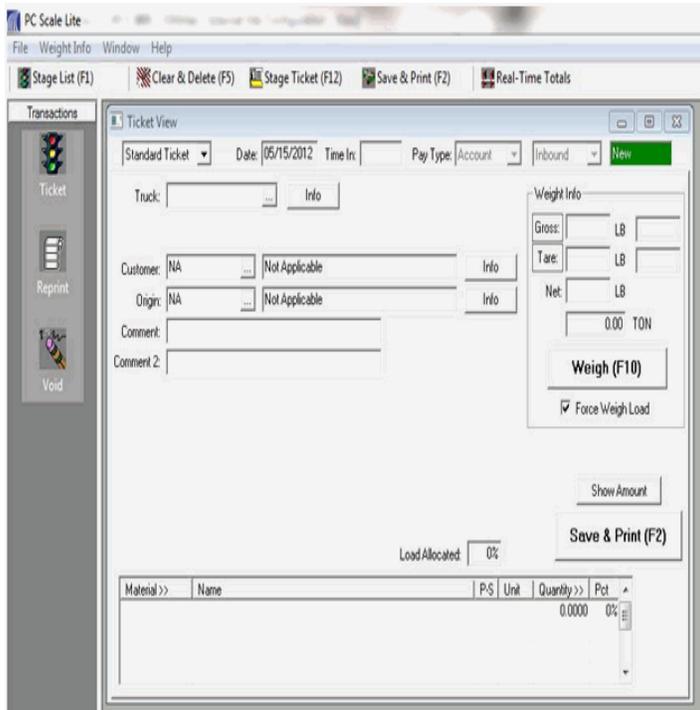
Funding Strategy

This project is funded by the Solid Waste Capital Fund.

Operating Budget Impacts

The upgrade to both the software and equipment will ensure that the County maintains accurate records of MSW disposal as required by both the operating permit as well as the Clerk's Office requirements.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Capital Maintenance Other Than Bu	10/16 - 09/17	85,000

Total Budgetary Cost Estimate: 85,000

Means of Financing

Funding Source	Amount
Solid Waste Capital Fund	85,000

Total Programmed Funding: 85,000

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA145 **Title:** Replace West Pasco Landfill Raincap Ash Cell -1 **Status:** Existing Project - No Additional Funding
Category: Solid Waste/Resource Recovery **Business Center:** Capital **LMS:**N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:** No
LOS/Concurrency: Yes **Project Need:** Deficiency

Project Location

District: District 5
Location: Spring Hill

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				
			FY 2018	FY 2019	FY 2020	FY 2021	Future Funding
370,000	0	370,000	0	0	0	0	0

Definition and Scope

This project replaces the existing landfill vinyl raincaps/liners. The Ash Cells have a capping material that is a 10 mil. thickness liner composed of a high-density polyethylene (HDPE) plastic material exposed to the elements. The liner prevents rain water from contacting the ash and thus reducing leachate generated and reducing operational cost.

Rationale

The liner is eighteen years old and has deteriorated over the years and needs replacement. Replacing the liner ensures that rain water will not mix with the ash within the cell resulting in leachate forming. If not replaced the volume of leachate generated will increase. As volume increases, so does operational costs.

Funding Strategy

This project is funded by Solid Waste Capital Fund.

Operating Budget Impacts

If we do not replace the cap/liner, the operational costs will be approximately \$600,000 per year per cell for handling and disposal of the leachate that will be generated. Replacement of the cap/liner will save annual repair costs of approximately \$50,000.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/17	37,000
Construction	01/17 - 09/17	333,000
Total Budgetary Cost Estimate:		370,000

Means of Financing

Funding Source	Amount	
Solid Waste Capital Fund	370,000	
Total Programmed Funding:		370,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA146 **Title:** Replace West Pasco Landfill Raincap Ash Cell-2 **Status:** Existing Project - No Additional Funding
Category: Solid Waste/Resource Recovery **Business Center:** Capital **LMS:**N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:** No
LOS/Concurrency: Yes **Project Need:** Deficiency

Project Location

District: District 5
Location: Spring Hill

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				
			FY 2018	FY 2019	FY 2020	FY 2021	Future Funding
370,000	0	0	0	370,000	0	0	0

Definition and Scope

This project replaces the existing landfill vinyl raincaps/liners. The Ash Cells have a capping material that is a 10 mil. thickness liner composed of a high-density polyethylene (HDPE) plastic material exposed to the elements. The liner prevents rain water from contacting the ash and thus reducing leachate generated and reducing operational cost.

Rationale

The liner is fifteen plus years old and has deteriorated over the years and needs replacement. Replacing the liner ensures that rain water will not mix with the ash within the cell resulting in leachate forming. If not replaced the volume of leachate generated will increase. As volume increases, so does operational costs.

Funding Strategy

This project is funded by Solid Waste Capital Fund.

Operating Budget Impacts

If we do not replace the cap, the operational costs will be approximately \$600,000 per year per cell for handling and disposal of the leachate that will be generated. Replacement of the cap/liner will save annual repair costs of approximately \$50,000.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/18 - 09/19	37,000
Construction	01/19 - 09/19	333,000
Total Budgetary Cost Estimate:		370,000

Means of Financing

Funding Source	Amount	
Solid Waste Capital Fund	370,000	
Total Programmed Funding:		370,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA011 | **Title:** Sewer/Collection System Improvements | **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: No | **Plan Reference:** Objective goal 3.1 | **District:** District 5
LOS/Concurrency: Yes | **Project Need:** | **Location:** District 5

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
12,800,000	0	2,000,000	2,700,000	2,700,000	2,700,000	2,700,000	0

Definition and Scope

Project will address any issues with the aged wastewater (sewer) collection system and ensure that they continue to function in a reliable manner in the northwest coastal areas. As pipes age, the infiltration of groundwater and seawater (in coastal areas) becomes more common due to failures in joints, materials, etc. This adds additional flows and contaminants (i.e. chlorides) to the wastewater treatment system thereby increasing costs and regulatory liability.

Rationale

Improvements to the County's wastewater (sewer) collection system will ensure the County continues to comply with state regulations.

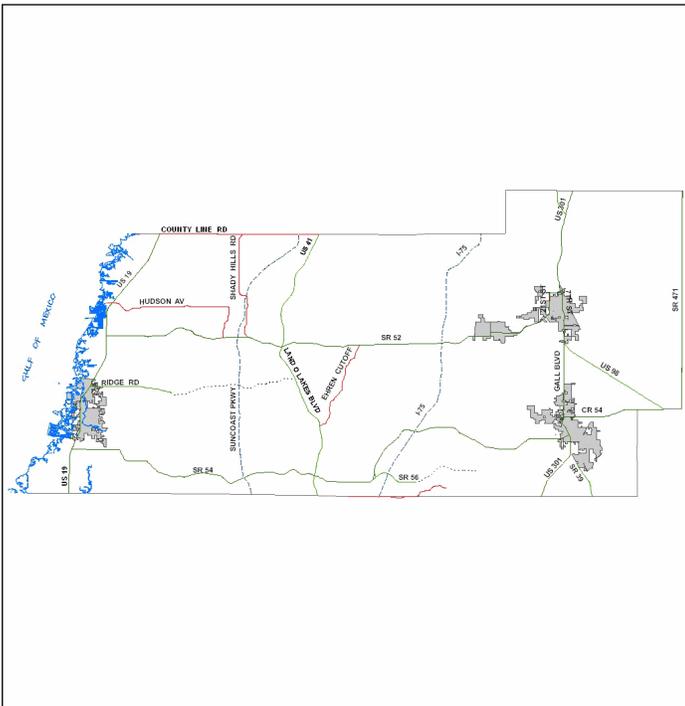
Funding Strategy

This project is funded by the Utilities Renewal and Replacement Funds.

Operating Budget Impacts

This project will rehabilitate existing facilities to increase operational efficiency. Cost savings are dependent on the type and extensiveness of the work needed per activity but typically include man hours, equipment and materials for unplanned repairs.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/22	12,800,000
Total Budgetary Cost Estimate:		12,800,000
Means of Financing		
Funding Source		Amount
Utilities Renewal and Replacement Funds		12,800,000
Total Programmed Funding:		12,800,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA217	Title: Shady Hills WWTP Expansion	Status: New Project
Category: Wastewater Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: N/A	Plan Reference:	District: District 5
LOS/Concurrency: N/A	Project Need: N/A	Location: Shady Hills

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
16,000,000	0	0	0	0	2,000,000	14,000,000	0

Definition and Scope

The service area for the Shady Hills WWTP continues to see significant growth and therefore increased influent flow rates are projected to exceed both the permit and physical limitations of the plant. Therefore, this project is for design, permitting and construction of new facilities and modifications or repairs to existing facilities as necessary to expand the treatment capacity of the Shady Hills Wastewater Treatment Plant to treat these projected future flows.

Rationale

This project significantly contributes to the goals and objectives of Pasco County Utilities by increasing the capacity, flexibility and reliability of the existing treatment plant while greatly reducing annual maintenance costs. This treatment facility expansion is also needed to meet contractual obligations to provide wastewater service and maintain regulatory compliance. The level of risk to the public and utility staff will be reduced and safety improved by providing new facilities and equipment while increasing treatment capacity. New facilities and equipment will also improve operating efficiency.

Funding Strategy

This project is funded by Utilities Wastewater Impact Fees. Bond funding will be needed in the amount of \$7M in 2021.

Operating Budget Impacts

Capacity fees from new customers are designed to be the cost recovery mechanism to pay for the capital cost of this project. O & M costs are expected to increase but will be offset by additional revenue from sewer sales.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/19 - 09/20	2,000,000
Construction	10/20 - 09/22	14,000,000
Total Budgetary Cost Estimate:		16,000,000

Means of Financing

Funding Source	Amount	
Wastewater (Sewer) Impact Fees	16,000,000	
Total Programmed Funding:		16,000,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA136 **Title:** Shady Hills WWTP Improvements **Status:** Existing Project - Additional Funding Required
Category: Wastewater Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:** No
LOS/Concurrency: Yes **Project Need:** Deficiency

Project Location

District: District 5
Location: Spring Hill

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
9,133,854	1,110,086	8,023,768	0	0	0	0	0

Definition and Scope

This project consists of various repairs to correct deficiencies at the Shady Hills Regional Wastewater Treatment Plant. The main plant requires upgrades to the headworks, mechanical screens, odor control systems, mixing and aerations systems, internal recycle pumps, as well as electrical and instrumentation upgrades. The fats, oils and grease facility requires improvements to the ventilation system, septage receiving station, and full replacement of the vacuum filter system.

Rationale

This project addresses several components of the plant to extend its life to meet current and future demands of the system.

Funding Strategy

This project is funded by 2014 Water and Sewer Revenue Bond.

Operating Budget Impacts

This project will create operation and maintenance efficiencies by addressing plant deficiencies.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/15 - 09/17	1,110,086
Construction	10/16 - 09/18	8,023,768
Total Budgetary Cost Estimate:		9,133,854

Means of Financing

Funding Source	Amount	
2014 Water and Sewer Revenue Bonds	9,133,854	
Total Programmed Funding:		9,133,854
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA148 **Title:** South Central Pasco Transfer Station **Status:** Existing Project - No Additional Funding
Category: Solid Waste/Resource Recovery **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:** No
LOS/Concurrency: Yes **Project Need:** Growth

Project Location

District: District 4
Location: Lutz

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,700,000	0	200,000	500,000	1,000,000	0	0	0

Definition and Scope

This project is for design, construction and potential land acquisition. Design is anticipated to be \$200,000, construction \$1,000,000 and land acquisition of 7-10 acres is anticipated to be purchased for an estimated cost of \$500,000. This project is included in the Solid Waste Master Plan and subject to approval by the Board of County Commissioners upon evaluation of the Solid Waste Master Plan.

Rationale

To increase the level of service to the citizens in the South Central and Southwest portion of the County.

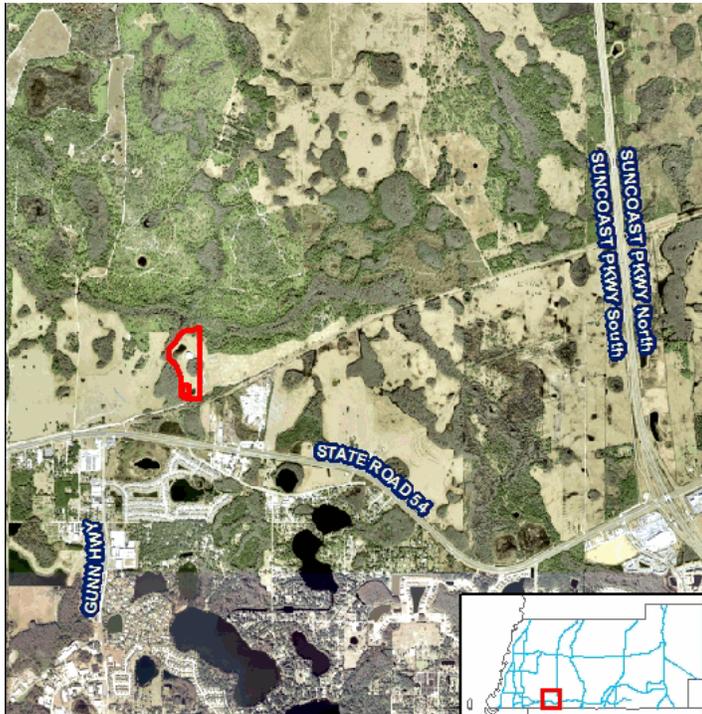
Funding Strategy

This project is funded by Solid Waste Capital Fund.

Operating Budget Impacts

This will be determined upon consideration of the Board of County Commissioners of the Solid Waste Strategic Master Plan and the scope of this project is determined.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 07/19	200,000
Land Acquisition/Right-of-Way	10/17 - 09/19	500,000
Construction	10/18 - 09/20	1,000,000
Total Budgetary Cost Estimate:		1,700,000

Means of Financing

Funding Source	Amount	
Solid Waste Capital Fund	1,700,000	
Total Programmed Funding:		1,700,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA144 **Title:** Starkey Ranch Reclaimed Water Transmission Main **Status:** Existing Project - No Additional Funding
Category: Reclaimed Water Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: Yes **Plan Reference:** No **District:** District 4
LOS/Concurrency: Yes **Project Need:** Growth **Location:** New Port Richey

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
3,131,600	1,572,000	851,600	708,000	0	0	0	0

Definition and Scope

The project will provide the design, permitting and construction of a reclaimed water transmission within the Starkey Ranch Master Planned Unit Development (MPUD).

Rationale

This project will add a new residential subdivision to our master reuse system.

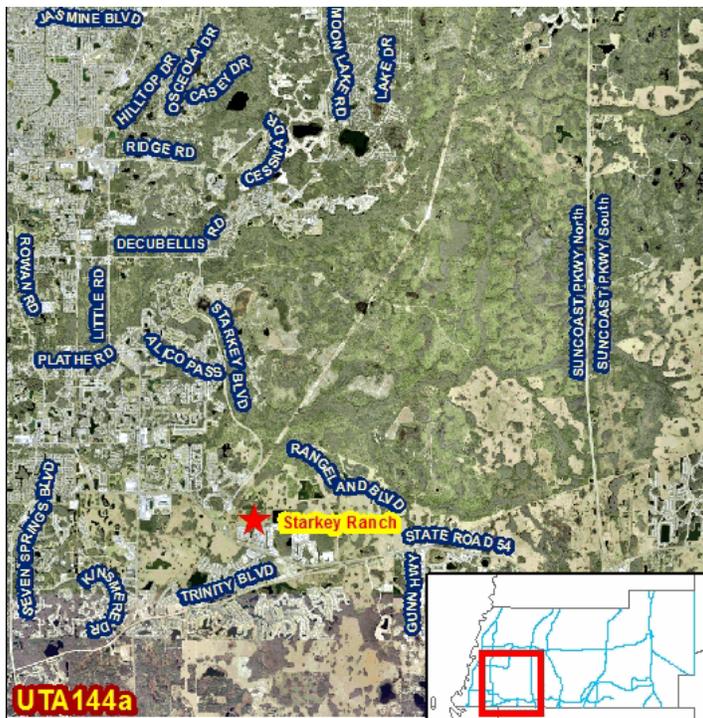
Funding Strategy

This is a developer driven project whereby the County advances the full amount of the project, which is funded through a combination of Utilities Capital Improvements and Wastewater Impact Fees. Upon project completion, the County is reimbursed up to 50 percent of the project costs by the Southwest Florida Water Management District (SWFWMD). All monies not reimbursed by the SWFWMD are reimbursed by the developer in accordance with the Utility Service Agreement between the County and the developer. This results in a zero net overall cost to the County.

Operating Budget Impacts

Additional costs due to manpower are estimated at \$4,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/15 - 09/18	142,000
Construction	01/16 - 09/19	2,989,600
Total Budgetary Cost Estimate:		3,131,600

Means of Financing

Funding Source	Amount	
Utilities Capital Improvement Funds	1,221,600	
Wastewater (Sewer) Impact Fees	1,910,000	
Total Programmed Funding:		3,131,600
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA225	Title: System Controls Improvements	Status: New Project
Category: Reclaimed Water Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A	Plan Reference:	District: All Commission Districts
LOS/Concurrency: N/A	Project Need: N/A	Location: Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
500,000	0	0	500,000	0	0	0	0

Definition and Scope

The current distribution system contains limited remote monitoring and telemetry. This results in the potential for unintentional operation that can increase undesired operations (e.g. excessive pressures). This operation can have significant impacts on infrastructure (e.g. pipe failures). This project is to improve monitoring, operation and planning of the reclaim water system by installing system-wide remote metering and controls equipment.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by significantly reducing annual maintenance costs in staff time while improving operating efficiency in pumping and supply management. Level of Service will also improve by increasing system reliability. Remotely monitoring the system also decreases exposure to risk of unpermitted discharge of reclaim water.

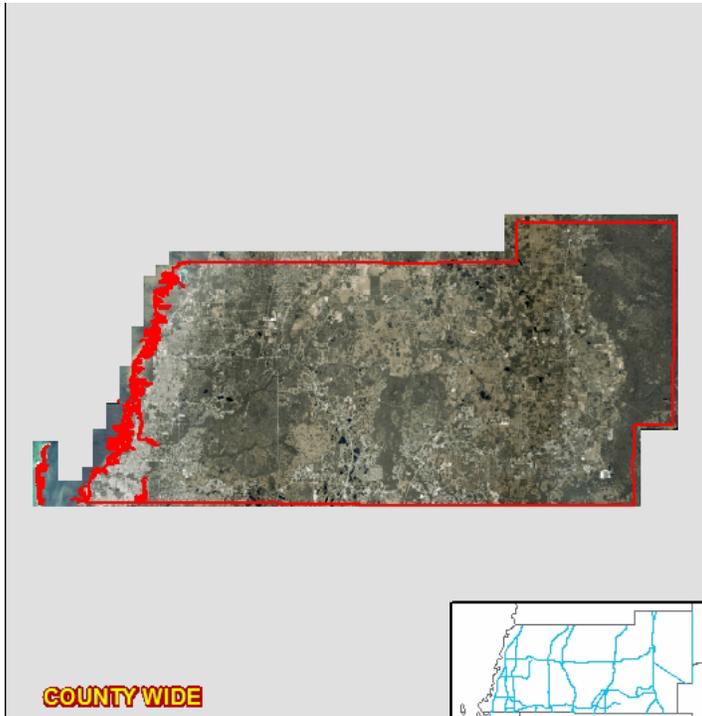
Funding Strategy

This project is funded by Utilities Renewal & Replacement Funds.

Operating Budget Impacts

Impacts to the budget will be realized through increases in staff efficiency, which is currently estimated at approximately \$30,000 annually.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/17 - 10/18	500,000
Total Budgetary Cost Estimate:		500,000

Means of Financing

Funding Source	Amount	
Utilities Renewal and Replacement Funds	500,000	
Total Programmed Funding:		500,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA018	Title: Tampa Bay Golf & Tennis Club Reclaimed Water Pond	Status: Existing Project - No Additional Funding
Category: Reclaimed Water Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: No	Plan Reference: Chapter 10	District: All Commission Districts
LOS/Concurrency: No	Project Need:	Location: Countywide

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				
			FY 2018	FY 2019	FY 2020	FY 2021	Future Funding
350,000	0	350,000	0	0	0	0	0

Definition and Scope

This project provides the utility with additional options for reclaimed water disposal and public reuse. The project will create a reclaimed water storage pond at the golf course property from which the golf course will use the stored reuse water to irrigate its course.

Rationale

This project increases the usage of reclaimed water for irrigation of this golf course and drastically reduces the need for the use of groundwater for irrigation.

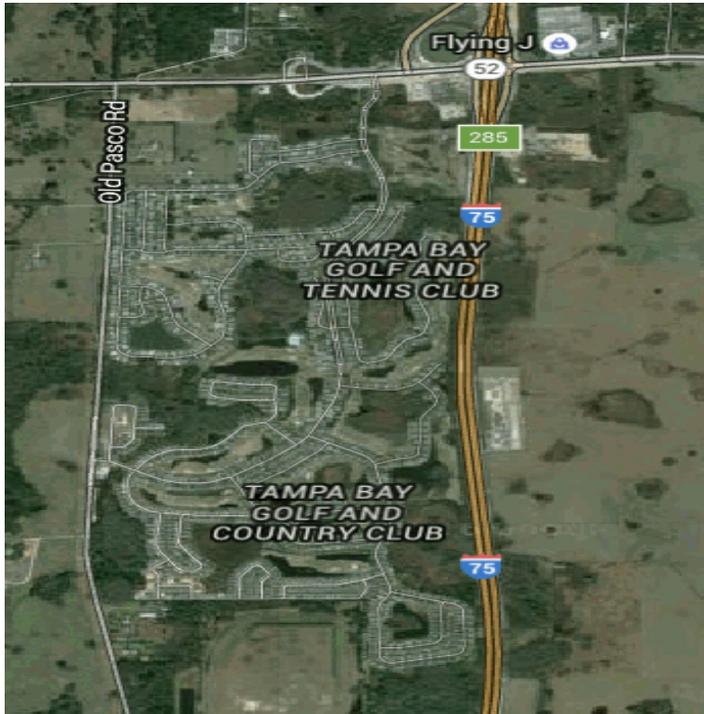
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds. Up to 50 percent of the total project cost will be reimbursed through the Southwest Florida Water Management District cooperative funding program. The golf course will also contribute up to 25 percent of the total project costs.

Operating Budget Impacts

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Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/17	50,000
Construction	01/17 - 09/18	300,000
Total Budgetary Cost Estimate:		350,000

Means of Financing

Funding Source	Amount	
Utilities Renewal and Replacement Funds	350,000	
Total Programmed Funding:		350,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA189 | **Title:** Tower Road Force Main | **Status:** Existing Project - No Additional Funding
Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** | **District:** District 4
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Land O Lakes

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,000,000	0	0	1,000,000	0	0	0	0

Definition and Scope

This project is to design and construct approximately 10,000 linear feet of 16 inch diameter force main along Tower Road, directional drill under the Suncoast Parkway and replace approximately 7,800 linear feet of existing 12 inch diameter force main with a 16 inch force main to connect to the existing system.

Rationale

This project significantly contributes to Pasco County Utilities goals and objectives by increasing the wastewater system level of service and operating efficiency. Increasing system capacity serving the developments along Tower Road is also required to meet contractually obligated service demands and reduces the exposure to risks associated with an undersized wastewater transmission system.

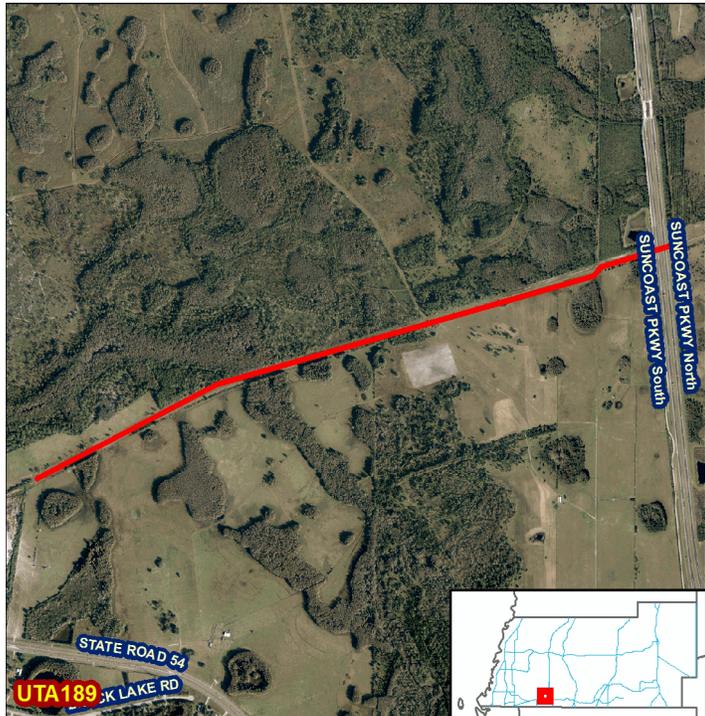
Funding Strategy

This project is funded by Wastewater (Sewer) Impact Fees.

Operating Budget Impacts

Operational impacts include increased valve maintenance estimated at \$1,500 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/17 - 12/19	150,000
Construction	01/18 - 09/22	850,000
Total Budgetary Cost Estimate:		1,000,000

Means of Financing

Funding Source	Amount
Wastewater (Sewer) Impact Fees	1,000,000
Total Programmed Funding:	1,000,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA096	Title: Utilities Communication Infrastructure Improvements	Status: Existing Project - No Additional Funding
Category: Utilities Miscellaneous Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: N/A	Plan Reference:	District: All Commission Districts
LOS/Concurrency: N/A	Project Need: N/A	Location: Countywide

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
8,370,942	6,548,942	1,822,000	0	0	0	0	0

Definition and Scope

This project is to fully implement the Supervisory Control and Data Acquisition (SCADA) Infrastructure control system for Pasco County Utilities.

Rationale

Current control systems cover about 75% of the full system at the present time. Having the full system integrated into a single master control environment will lower the cost of operations and ownership by allowing more efficient operation of the entire system.

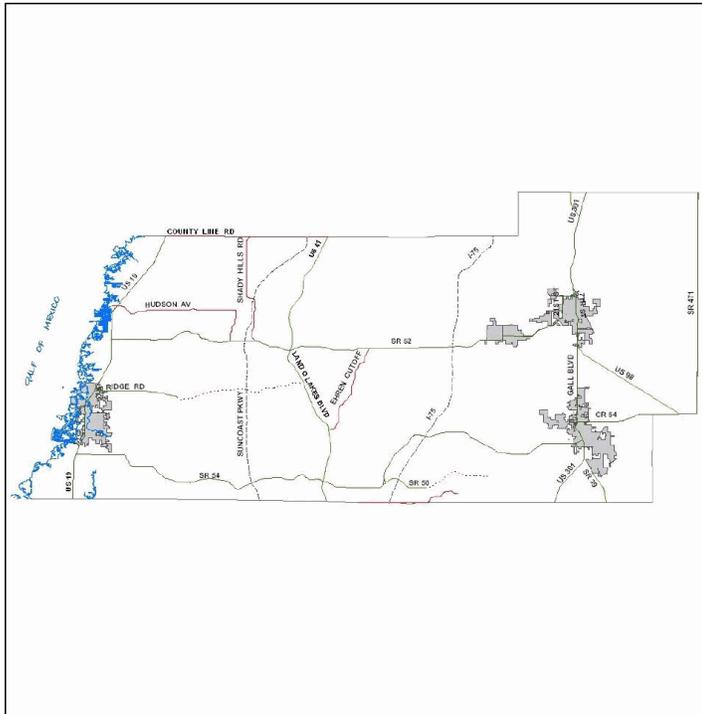
Funding Strategy

This project is funded by a combination of Utilities Capital Improvement Funds and 2014 Water and Sewer Revenue Bonds.

Operating Budget Impacts

This project will improve the operational efficiency of the system through remote monitoring and control.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/13 - 09/17	50,725
Construction	10/15 - 09/18	548,407
Equipment	10/15 - 09/18	7,771,810

Total Budgetary Cost Estimate: 8,370,942

Means of Financing

Funding Source	Amount
2014 Water and Sewer Revenue Bonds	5,172,000
Utilities Capital Improvement Funds	3,048,942
Utilities Capital Improvement Funds	150,000

Total Programmed Funding: 8,370,942

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA157 | **Title:** Utilities Customer Service Customer Information System (CIS) Ph. 2 | **Status:** Existing Project - No Additional Funding

Category: Utilities Miscellaneous Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A | **Plan Reference:** No | **District:** All Commission Districts
LOS/Concurrency: Yes | **Project Need:** | **Location:** Countywide

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				
			FY 2018	FY 2019	FY 2020	FY 2021	Future Funding
1,464,417	572,500	891,917	0	0	0	0	0

Definition and Scope

The CIS System will be configured to meet the customer information and billing needs identified by Pasco County related to the customer offerings of solid waste and street lighting. Business Process Review(BPR) and Functional Discovery Workshops will be conducted to facilitate configuration changes following industry best practices. These workshops will be led by Pasco County Utilities to appropriately review and confirm all required information for the areas listed below. Pasco County is to review current business processes in the As-Is forms and make adjustments as determined. PCU will document processes in the To-Be form. The Vendor will provide an updated Functional Discovery Document, addressing any new items stemming from the BPR. Some areas for review will include foundation, customer information, billing, rates, cashiering, collections and accounting.

Rationale

A new system will provide efficiency and cost savings in managing billing, collection and customer service. A new system will also provide flexible, accurate reporting capabilities and compatibility to the system put in place in Phase I.

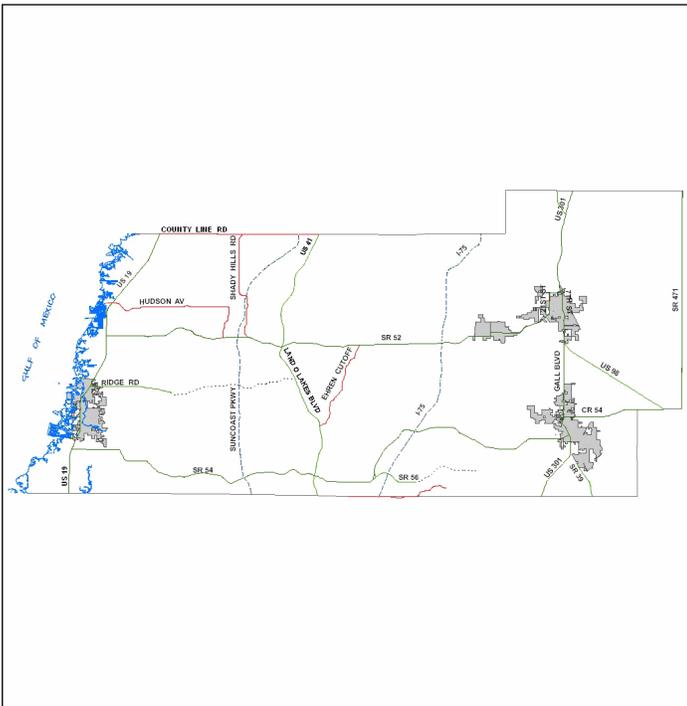
Funding Strategy

This project is funded by Utilities Capital Improvement Funds.

Operating Budget Impacts

This project will require future maintenance contracts for updates, upgrades and support when warranties expire.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Capital Maintenance Other Than Bu	04/16 - 09/18	1,464,417

Total Budgetary Cost Estimate: 1,464,417

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	100,000
Utilities Capital Improvement Funds	1,364,417

Total Programmed Funding: 1,464,417

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA060	Title: Utilities Solid Waste Biosolids Facility	Status: Existing Project - Additional Funding Required
Category: Solid Waste/Resource Recovery	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A	Plan Reference:	District: District 5
LOS/Concurrency: N/A	Project Need: N/A	Location: Shady Hills

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
13,754,265	346,434	13,407,831	0	0	0	0	0

Definition and Scope

This is for a full-scale biosolids treatment facility. Construction will be a joint venture between Pasco County and a private contractor. The private contractor will construct and operate the facility but this will be a County owned facility. In addition, the private contractor will be responsible for the upkeep under our proposed service agreement. The County along with the private contractor will site and construct the facility on the Solid Waste campus.

Rationale

Utilities Solid Waste Bio Solids Treatment Facility initially started out with the County and CH2 Hill looking at treating the County's biosolids by composting the bio solids with wood waste. The County had looked at this process at several other locations within Florida and determined that first we did not have a location suitable for this type of treatment and in addition the process virtually created larger volumes of a potential waste stream and a market might not be available. This lead the County to look at other alternative that would both treat the materials and would ensure that the materials did not end up in the County's Class I landfill. The technology that has been selected ensures both a secure treatment and an end use. This change in processing rationale, coupled with a very robust odor control system design has increased the original cost of \$5.5 million to 13.6 million.

Funding Strategy

This project is funded by the Solid Waste Capital Fund.

Operating Budget Impacts

Currently, it is costing approximately \$1.5 million per year to haul and dispose of the County's biosolids that are generated through the wastewater treatment process. It is anticipated that the disposal and hauling costs could be reduced up to \$600,000 per year with implementation of this project. In addition, increased regulatory scrutiny on the practice of placing biosolids in Class 1 landfills (the County's current disposal option) creates increased risk and diminishes potential outlets for biosolids.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	03/15 - 12/16	326,484
Construction	10/15 - 09/18	13,427,781
Total Budgetary Cost Estimate:		13,754,265

Means of Financing

Funding Source	Amount
Solid Waste System Fund	315,000
Solid Waste Capital Fund	13,439,265

Total Programmed Funding:	13,754,265
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA005 | **Title:** Utility Lines Relocation Projects - County & FDOT | **Status:** Existing Project - No Additional Funding
Category: Utilities Miscellaneous Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** | **District:** All Commission Districts
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
8,802,066	0	3,950,066	2,450,000	2,402,000	0	0	0

Definition and Scope

This project relocates existing utility lines in conflict with County or FDOT road improvements.

Rationale

This project addresses conflicts between new County or FDOT road improvements and existing utilities that need relocation.

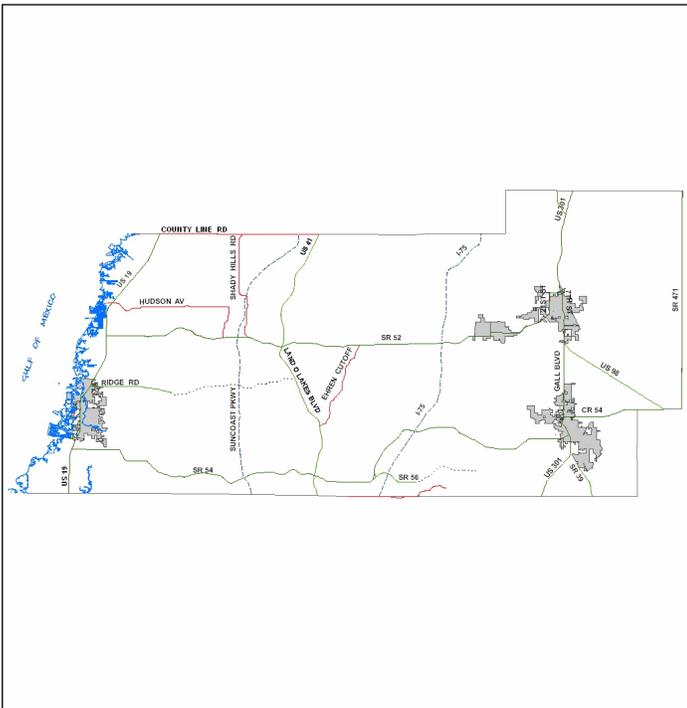
Funding Strategy

This project is funded by a combination of Utilities Renewal and Replacement Funds and Utilities Capital Improvement Funds.

Operating Budget Impacts

This project relocates existing facilities and will not create any additional Operation and Maintenance commitments.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/20	1,262,066
Construction	12/16 - 09/20	7,540,000

Total Budgetary Cost Estimate: 8,802,066

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	3,122,400
Utilities Capital Improvement Funds	5,679,666

Total Programmed Funding: 8,802,066
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA026 **Title:** Utility Plant Security Improvements **Status:** Existing Project - No Additional Funding
Category: Utilities Miscellaneous Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: No **Plan Reference:** Chapter 10, 3.1. **District:** All Commission Districts
LOS/Concurrency: Yes **Project Need:** **Location:** Countywide

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
400,000	0	200,000	200,000	0	0	0	0

Definition and Scope

Provide security gating and monitoring at the County's water and wastewater facilities.

Rationale

To enhance security and reduce potential liability associated with the County's water and wastewater facilities.

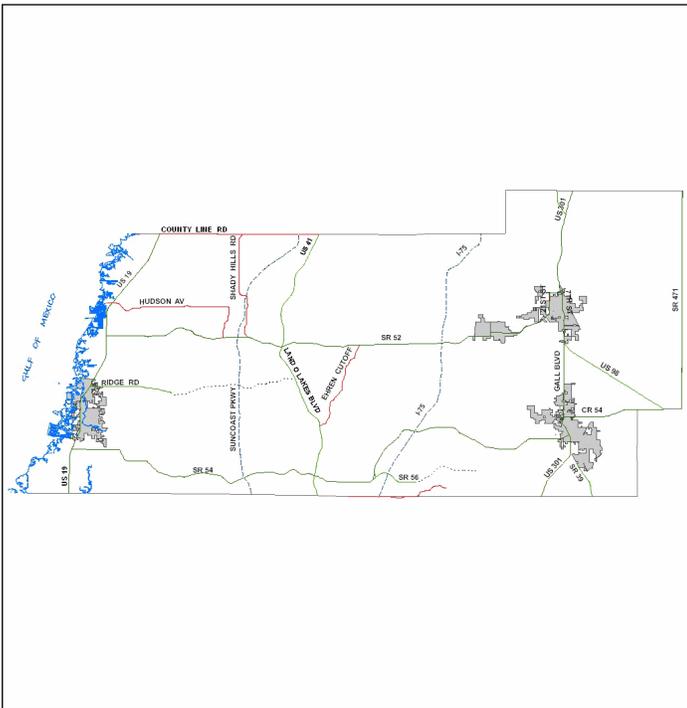
Funding Strategy

This project is funded by Utilities Capital Improvement Funds.

Operating Budget Impacts

Gate maintenance will result in an annual contract cost of approximately \$10,000 per year for eleven facilities.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/18	40,000
Construction	01/17 - 09/18	360,000

Total Budgetary Cost Estimate: 400,000

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	400,000

Total Programmed Funding: 400,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA227	Title: WasteWater Master Plan	Status: New Project
Category: Utilities Miscellaneous Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A	Plan Reference:	District: All Commission Districts
LOS/Concurrency: N/A	Project Need: N/A	Location: Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,000,000	500,000	500,000	0	0	0	0	0

Definition and Scope

Pasco County Utilities currently operates and maintains system-wide facilities to collect and treat wastewater. As growth continues to occur in the county, new wastewater facilities are needed to meet the growing demands on the system. This project is to develop and implement a Master Plan for Pasco County Utilities Wastewater System that will identify projects to address the immediate and future requirements to collect and treat wastewater.

Rationale

The project significantly contributes to the goals and objectives of Pasco County Utilities by utilizing a hydraulic model to identify new Capital Improvement Plan projects to correct system constraints that will increase operating efficiency and significantly reduce costs. This project will also develop a Facility Master Plan that will lead to increased level of service and decreased exposure to risk by providing information for making system improvements to meet growing system demands.

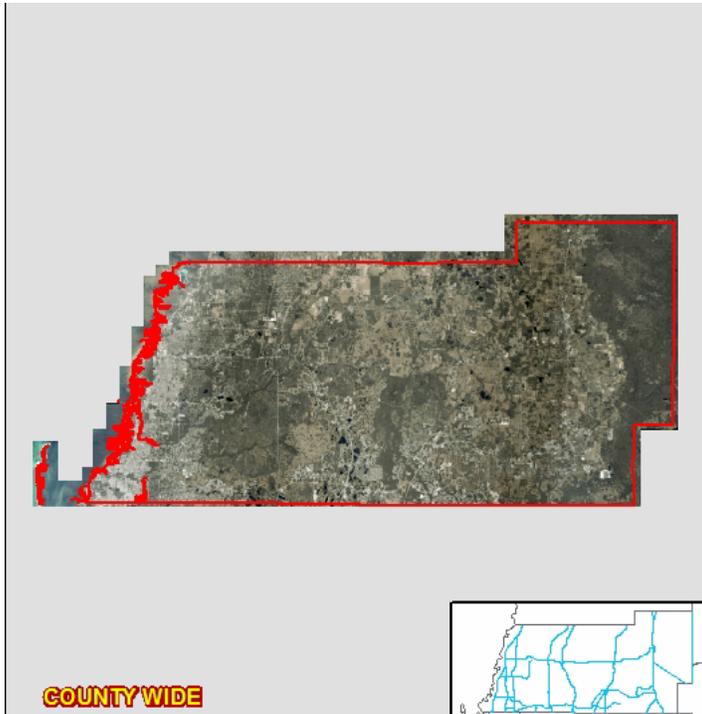
Funding Strategy

This project is funded by a combination of Utilities Renewal & Replacement and Wastewater Impact Fees.

Operating Budget Impacts

No budget impacts are expected.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	06/16 - 09/18	1,000,000
Total Budgetary Cost Estimate:		1,000,000

Means of Financing

Funding Source	Amount	
Utilities Renewal and Replacement Funds	500,000	
Wastewater (Sewer) Impact Fees	500,000	
Total Programmed Funding:		1,000,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA036 **Title:** Wastewater Plant Renewal and Replacement **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:**
LOS/Concurrency: N/A **Project Need:** N/A

Project Location

District: All Commission Districts
Location: Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
2,250,000	0	250,000	500,000	500,000	500,000	500,000	0

Definition and Scope

Project addresses recurring issues with the aged Wastewater Plants to ensure they continue to function in a reliable manner.

Rationale

Provide reliability for aged equipment.

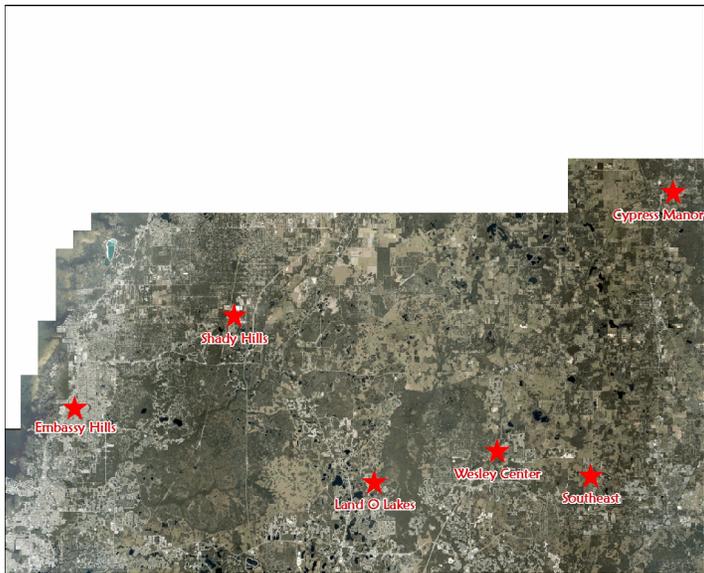
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

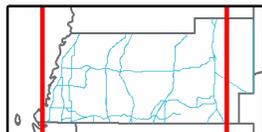
Operating Budget Impacts

This project will provide recurring renewal and replacement of aging components to maintain or increase operational efficiency.

Project Map



UTA036 WWTP



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/22	2,250,000

Total Budgetary Cost Estimate: 2,250,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	2,250,000

Total Programmed Funding: 2,250,000

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA008 | **Title:** Wastewater Pump Station Rehabilitation & Improvements | **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

CIE Project: No | **Plan Reference:** Chapter 10
LOS/Concurrency: No | **Project Need:**

Project Location

District: All Commission Districts
Location: Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				
			FY 2018	FY 2019	FY 2020	FY 2021	Future Funding
14,000,000	0	2,000,000	3,000,000	3,000,000	3,000,000	3,000,000	0

Definition and Scope

Project will address any issues with the aged wastewater pump stations and ensure that they continue to function in a reliable manner. Typical improvements consist of replacing pumps, piping, valves and appurtenances to achieve a 15 year life cycle on these pump stations.

Rationale

Provide for more reliable and serviceable pump stations.

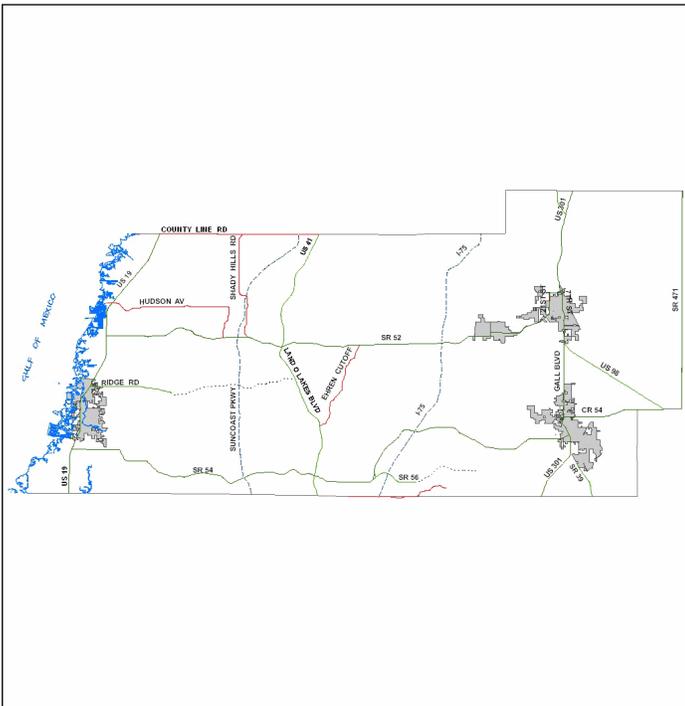
Funding Strategy

This project is funded by a combination of Utilities Renewal and Replacement Funds and Wastewater Impact Fees.

Operating Budget Impacts

This project will rehabilitate existing facilities to increase operational efficiency and extend the useful life of these assets.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/22	14,000,000

Total Budgetary Cost Estimate: 14,000,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	11,200,000
Wastewater (Sewer) Impact Fees	2,800,000

Total Programmed Funding: 14,000,000

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA216	Title: Wastewater Transmission Syst. Odor Ctr Imp	Status: New Project
Category: Wastewater Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: N/A	Plan Reference:	District: All Commission Districts
LOS/Concurrency: N/A	Project Need: N/A	Location:

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,200,000	0	0	1,200,000	0	0	0	0

Definition and Scope

All wastewater collection results in the undesired release of sulfur-containing compounds/gas that can be corrosive to the wastewater collection and treatment systems. Additionally, these gases are offensive smelling. This project is to study and implement chemical application methods to minimize the potential corrosive effects of these compounds on the wastewater infrastructure and to the public in terms of odors.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by significantly reducing annual maintenance costs from staff time and repairs while improving level of service by increasing treatment plant, transmission main, pump station reliability and enhances service to the public.

Funding Strategy

This project is funded by Utilities Wastewater Impact Fees.

Operating Budget Impacts

The County will conduct a small scale pilot operation to determine the operational cost impacts, to include chemical costs. Overall costs are expected to decrease due to reduced wear and tear on wastewater treatment plant headworks facilities.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/17 - 09/19	1,200,000
Total Budgetary Cost Estimate:		1,200,000
Means of Financing		
Funding Source	Amount	
Wastewater (Sewer) Impact Fees	1,200,000	
Total Programmed Funding:		1,200,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA001 | **Title:** Water Distribution Main Extensions | **Status:** Existing Project - Additional Funding Required

Category: Water Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: Yes | **Plan Reference:** Chapter 10, 1.1. | **District:** All Commission Districts
LOS/Concurrency: Yes | **Project Need:** Growth | **Location:** Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
2,100,000	0	100,000	500,000	500,000	500,000	500,000	0

Definition and Scope

Provide short distribution main extensions to improve the water system.

Rationale

To serve new customers and improve reliability of the water system.

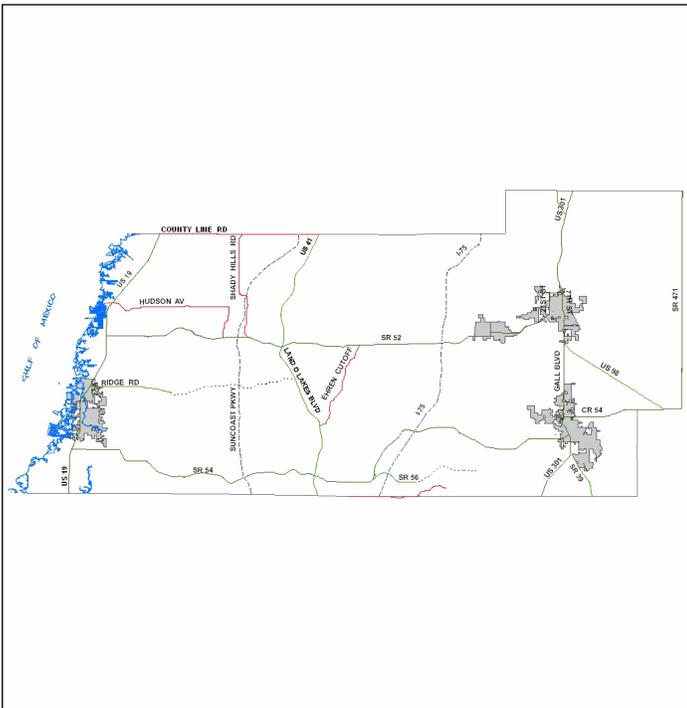
Funding Strategy

This project is funded by Utilities Water Impact Fees.

Operating Budget Impacts

Additional valve maintenance may be required and is estimated at \$4,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/16 - 09/21	2,100,000
Total Budgetary Cost Estimate:		2,100,000
Means of Financing		
Funding Source		Amount
Water Impact Fees		2,100,000
Total Programmed Funding:		2,100,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA192	Title: Waters Edge Residential Reclaimed Transmission Main	Status: Existing Project - No Additional Funding
Category: Reclaimed Water Projects	Business Center: Capital	LMS: N/A

Comprehensive Plan Information

CIE Project: N/A	Plan Reference:	District: District 4
LOS/Concurrency: N/A	Project Need: N/A	Location: New Port Richey

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
1,900,000	0	200,000	1,700,000	0	0	0	0

Definition and Scope

This project is to design and construct approximately 18,500 linear feet and directional drill approximately 500 linear feet of 16 inch diameter reclaimed water main along DeCubellis Road from Starkey Boulevard to Ridge Road and along Moon Lake Road from Ridge Road to Water's Edge including a float valve/flow control valve assembly to meter flows to the existing pond. Connections to nearby golf courses and educational properties are anticipated.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by increasing the level of service of the reclaimed system and increasing the operating efficiency for effluent management. Adding additional customers to the reclaimed system will also decrease exposure to risk associated with effluent disposal requirements.

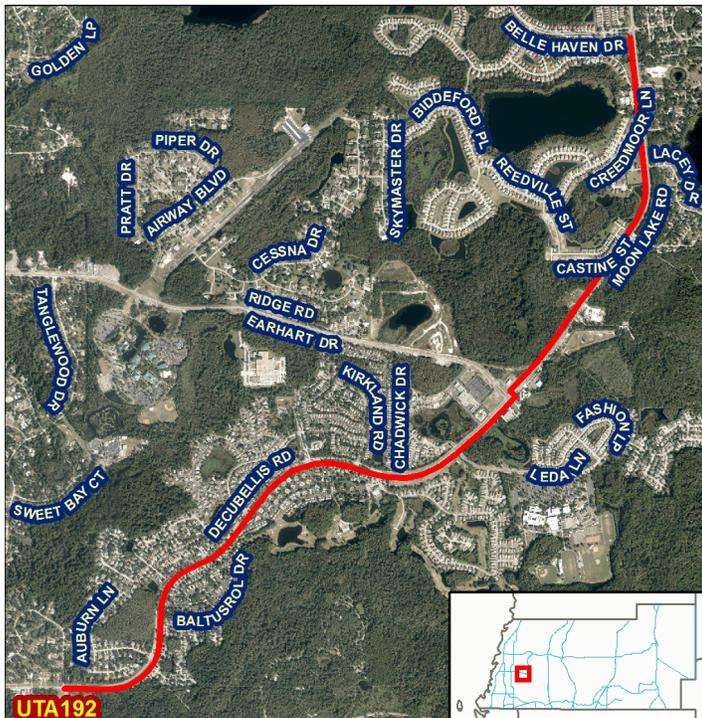
Funding Strategy

This project is funded by Wastewater (Sewer) Impact Fees. It is anticipated this project will receive 50% cooperative.

Operating Budget Impacts

Additional costs due to manpower are estimated at \$3,000 per year. Funding is from the SWFWMD.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/17	200,000
Construction	10/17 - 09/19	1,700,000
Total Budgetary Cost Estimate:		1,900,000

Means of Financing

Funding Source	Amount	
Wastewater (Sewer) Impact Fees	1,900,000	
Total Programmed Funding:		1,900,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA024 **Title:** Wells Road Force Main, Boyette Road to High School **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: Yes **Plan Reference:** Chapter 10, 3.1.
LOS/Concurrency: Yes **Project Need:** Growth

Project Location

District: District 1
Location: Wesley Chapel

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
315,000	13,770	301,230	0	0	0	0	0

Definition and Scope

This project provides a new force main along Wells Rd to interconnect existing wastewater systems.

Rationale

This project increases wastewater transmission system capacity in the Boyette area.

Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

Operational impacts include increased valve maintenance estimated at \$300 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	03/14 - 03/18	35,770
Construction	10/16 - 03/18	279,230

Total Budgetary Cost Estimate: 315,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	315,000

Total Programmed Funding: 315,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA091 | **Title:** Wesley Center Wastewater Treatment Plant Expansion | **Status:** Existing Project - Additional Funding Required

Category: Wastewater Projects | **Business Center:** Capital | **LMS:** N/A

Comprehensive Plan Information

Project Location

CIE Project: N/A | **Plan Reference:** | **District:** District 1
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Wesley Chapel

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
19,352,727	964,102	18,388,625	0	0	0	0	0

Definition and Scope

This project will expand the existing Wesley Center Regional Wastewater Treatment Plant at Boyette Road from 6 to 9 million gallons per day to meet future demands. The cost of this project has increased from previous fiscal years after Utilities completed a detailed engineering evaluation of the plant. The primary cost drivers include the need for a new headworks facility, a re-design of the aeration system, as well as numerous electrical, instrumentation, and hydraulic improvements to handle the increased flow. Aesthetic improvements to include visual screening and odor control are also a part of this project.

Rationale

To serve future growth.

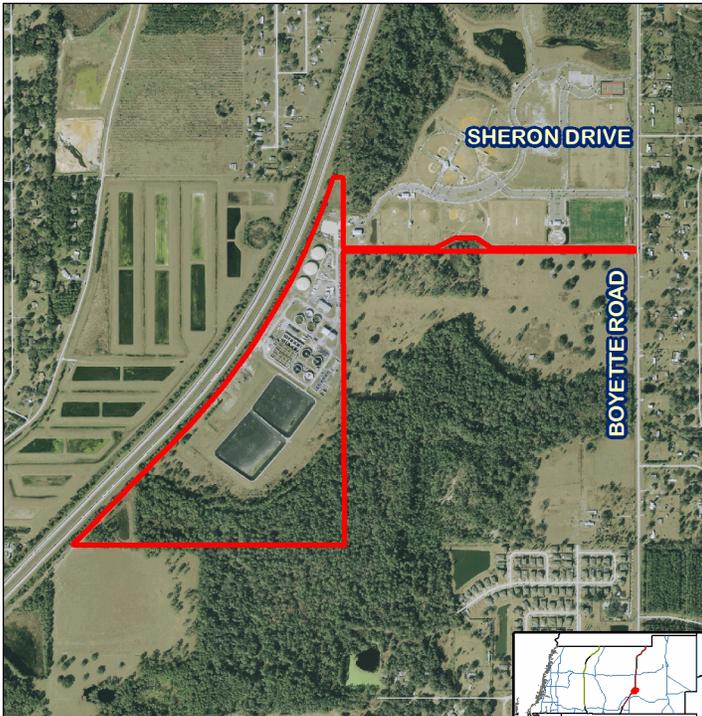
Funding Strategy

This project is funded by 2014 Water and Sewer Revenue Bonds.

Operating Budget Impacts

This project will create Operation and Maintenance efficiencies through the regionalism of wastewater treatment in the County. This project is required to keep pace with existing growth and development. Operating cost increases associated with additional flow will be offset by additional revenue from sewer sales.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/15 - 09/17	930,102
Construction	06/16 - 09/17	18,422,625

Total Budgetary Cost Estimate: 19,352,727

Means of Financing

Funding Source	Amount
2014 Water and Sewer Revenue Bonds	19,352,727

Total Programmed Funding: 19,352,727

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA116 **Title:** West Pasco Solid Waste Cell-3 **Status:** Existing Project - No Additional Funding
Category: Solid Waste/Resource Recovery **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:** **District:** District 5
LOS/Concurrency: N/A **Project Need:** N/A **Location:** Spring Hill

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2017	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2018	FY 2019	FY 2020	FY 2021	
8,500,000	0	0	0	0	0	8,500,000	0

Definition and Scope

This project is for the construction of solid waste cell no. 3 on a 10 acre site.

Rationale

Construction of solid waste cell no. 3 will be required as the growth of the County continues and our waste energy facilities reach maximum through put. At which time, this cell will be required for additional capacity.

Funding Strategy

This project is funded by the Solid Waste Capital Fund.

Operating Budget Impacts

No impact.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/20 - 09/21	1,275,000
Construction	01/21 - 09/21	7,225,000
Total Budgetary Cost Estimate:		8,500,000

Means of Financing

Funding Source	Amount	
Solid Waste Capital Fund	8,500,000	
Total Programmed Funding:		8,500,000
Future Funding Requirements:		0