



UTILITIES/SOLID WASTE

The underlying strategy of the CIP process is to plan for the design, acquisition, construction, and maintenance of facilities necessary for the safe and efficient delivery of water, wastewater, reclaimed water, and solid waste management services in accordance with the policies, goals, and objectives adopted by the Board of County Commissioners. A critical element of a balanced CIP is the provision of funds to both preserve or enhance existing facilities and provide new assets to respond to changing service needs and community growth.

Pasco County Utilities relies on Master Plans to study and analyze capacity requirements through build-out. These Master Plans provide recommended infrastructure improvements to support demand and ensure adequate capacity is available:

- Water System Master Plan (WMP) –The purpose of this plan is to analyze and evaluate the water distribution system to meet future demands based on the projected growth of the County and to recommend infrastructure extensions to support hydraulic demands. The plan was updated in 2005 by Pasco County Utilities staff and will be updated during Fiscal year 2016.
- Wastewater System Master Plan (WWMP) – The purpose of this plan is to analyze and evaluate the wastewater collection and treatment systems to meet future demands based on projected County growth and recommend associated infrastructure improvements. The plan was updated in 2005 by Pasco County Utilities staff and will be updated during Fiscal Year 2016.
- Wastewater Treatment Capacity Analysis – In accordance with the requirements the Florida Administrative Code, the County prepares and submits annually to the Florida Department of Environmental Protection (FDEP) a wastewater treatment plant capacity analysis report (CAR) for all facilities. The report aids both FDEP and Pasco County Utilities to permit and expand facilities before possible shortages of treatment capacity occurs. The CAR will continue to be reevaluated annually to ensure it is aligned with the WWMP and Pasco County Comprehensive Plans.
- Reuse System Master Plan (RSMP) – The purpose of this plan is to analyze and evaluate the reclaimed water distribution and disposal system to ensure adequate disposal capacity and infrastructure requirements into the future. The RSMP was completed by December 2013 in support of the Pasco County Master Reuse System operating permit.
- Solid Waste System Master Plan – The purpose of this plan is to analyze and evaluate the solid waste system's ability to meet the demands of future growth and recommend infrastructure improvements to ensure its long term viability. The plan is anticipated to be completed in FY 2015.

Each year the Operations and Maintenance and Engineering-Contract Management Departments prioritize problem areas that need to be corrected based on: water quality issues; low pressure concerns; wastewater backups and overflows; and recurring corrective maintenance. Engineering works closely with Operations and Maintenance to ensure projects are well defined. Utilities Engineering must also work closely with both the Florida Department of Transportation (FDOT) and County Engineering to address utility relocations and adjustments required as a result of highway construction.



PASCO COUNTY
FISCAL YEAR 2016-2020 CAPITAL IMPROVEMENT PLAN

Pasco County Utilities has been working on the development of an Asset Management Plan. Over the past years, PCU has been collecting data on its existing system, which was input into an Enterprise Asset Management System (EAM). The development of this asset management program will allow PCU to meet the recently approved Strategic Plan objective to “Create a Thriving Community” with a goal to improve the ratio of preventative maintenance to corrective maintenance to meet or exceed industry standards within four (4) years.

Pasco County Utilities has been responsibly managing its assets since its inception. However, in recent years, the system has experienced unprecedented growth. This growth has occurred concurrently with aging infrastructure. A formalized asset management program continues to be implemented to accurately balance the useful life, capital spending, and renewal and replacement of current assets. The program is directed primarily toward capital assets and will allow PCU to: (1) continuously deliver reliable service; (2) stabilize long-range capital investments for capital renewal; and (3) minimize life-cycle costs of owning, operating, and maintaining infrastructure assets.

The major projects that are currently underway or will be in design or construction phase during FY 2016 include:

Reclaimed Water Projects:

Rapid Infiltration Basins & Spray Fields
Golf Course Reuse Ponds & Pump Stations
Reclaimed Water Transmission from SR 56 to the Power Line Corridor
Large Reclaim Meter Replacement
Quail Hollow Golf Course Reclaimed Water
Rod Lincoln Groves Reclaim Transmission Main
Expansion of Embassy Hills Reclaimed Transmission Main

Solid Waste/Resource Recovery:

Utilities Solid Waste Biosolids Facility
Leachate Collection System Improvement
Waste to Energy Warehouse
Leachate Building Improvements
Crane-Stationary Material Handler

Miscellaneous Projects:

Utility Lines Relocation Projects
Utility Plan Security Improvements
Utilities Communication Infrastructure Improvements
Utilities Customer Service Customer Information system (Phase 2)

Vehicles & Equipment:

Flatbed Jet Truck



PASCO COUNTY
FISCAL YEAR 2016-2020 CAPITAL IMPROVEMENT PLAN

The Utilities Branch has identified the following list of currently unfunded projects below. Please note that these projects are in part unfunded due to their ranking during the scoring and project prioritization process.

Project	Cost
Sea Pines Sewer System	\$2,000,000
Environmental Lab Renovation and/or Relocation	\$500,000
Field Services Building, McKendree Road	\$1,000,000
Total	\$3,500,000

Pasco County Five Year Capital Plan

Project	Prior Year Expenses	FY 2016 Budget	FY 2017 Projected	FY 2018 Projected	FY 2019 Projected	FY 2020 Projected	Future Funding	Total Est Cost
Utilities Capital Improvements								
Reclaimed Water Projects								
Expansion of Embassy Hills Reclaimed Rapid Infiltration Basins	80,000	920,000	0	0	0	0	0	1,000,000
	80,000	920,000	0	0	0	0	0	1,000,000
Golf Course Reuse Ponds & Pump Stations	1,093,533	350,000	0	0	0	0	0	1,443,533
	1,093,533	350,000	0	0	0	0	0	1,443,533
Large Reclaim Meter Replacement	0	200,000	0	0	0	0	0	200,000
	0	200,000	0	0	0	0	0	200,000
Quail Hollow Golf Course Reclaimed Water	40,000	360,000	0	0	0	0	0	400,000
	40,000	360,000	0	0	0	0	0	400,000
Rapid Infiltration Basins & Spray Fields and Other Disposal Options	1,190,000	13,033,669	5,881,500	0	0	0	0	20,105,169
	1,190,000	13,033,669	5,881,500	0	0	0	0	20,105,169
Reclaimed Water Transmission from SR 56 to Powerline Corridor	220,000	1,980,000	0	0	0	0	0	2,200,000
	220,000	1,980,000	0	0	0	0	0	2,200,000
Rod Lincoln Groves Reclaim Transmission Main	20,000	180,000	0	0	0	0	0	200,000
	20,000	180,000	0	0	0	0	0	200,000
Starkey Ranch Reclaimed Water Transmission Main	2,021,505	994,455	1,245,375	0	0	0	0	4,261,335
	2,021,505	994,455	1,245,375	0	0	0	0	4,261,335
Waters Edge Residential Reclaimed Transmission Main	0	0	400,000	2,100,000	0	0	0	2,500,000
	0	0	400,000	2,100,000	0	0	0	2,500,000
Reclaimed Water Projects	4,665,038	18,018,124	7,526,875	2,100,000	0	0	0	32,310,037

Pasco County Five Year Capital Plan

Project	Prior Year Expenses	FY 2016 Budget	FY 2017 Projected	FY 2018 Projected	FY 2019 Projected	FY 2020 Projected	Future Funding	Total Est Cost
Utilities Capital Improvements								
Solid Waste/Resource Recovery								
Crane-Stationary Material Handler	0	225,000	0	0	0	0	0	225,000
	0	225,000	0	0	0	0	0	225,000
East Pasco Transfer Station Expansion	0	0	500,000	5,500,000	0	0	0	6,000,000
	0	0	500,000	5,500,000	0	0	0	6,000,000
Leachate Building Improvements	0	250,000	0	0	0	0	0	250,000
	0	250,000	0	0	0	0	0	250,000
Leachate Collection System Improvement	35,000	315,000	0	0	0	0	0	350,000
	35,000	315,000	0	0	0	0	0	350,000
Replace West Pasco Landfill Raincap Ash Cell -1	0	0	370,000	0	0	0	0	370,000
	0	0	370,000	0	0	0	0	370,000
Replace West Pasco Landfill Raincap Ash Cell-2	0	0	0	0	370,000	0	0	370,000
	0	0	0	0	370,000	0	0	370,000
South Central Pasco Transfer Station	0	0	0	1,400,000	0	0	0	1,400,000
	0	0	0	1,400,000	0	0	0	1,400,000
Utilities Solid Waste Biosolids Facility	250,000	5,250,000	0	0	0	0	0	5,500,000
	250,000	5,250,000	0	0	0	0	0	5,500,000
Waste to Energy Warehouse	0	1,497,500	0	0	0	0	0	1,497,500
	0	1,497,500	0	0	0	0	0	1,497,500
West Pasco Landfill 5-Million Gallon Crom Tank	0	0	500,000	4,500,000	0	0	0	5,000,000
	0	0	500,000	4,500,000	0	0	0	5,000,000
West Pasco Landfill Ash Cell -5	0	0	0	700,000	6,000,000	0	0	6,700,000
	0	0	0	700,000	6,000,000	0	0	6,700,000
West Pasco Solid Waste Cell-3	0	0	0	0	1,275,000	7,225,000	0	8,500,000
	0	0	0	0	1,275,000	7,225,000	0	8,500,000
Solid Waste/Resource Recovery	285,000	7,537,500	1,370,000	12,100,000	7,645,000	7,225,000	0	36,162,500

Utilities Miscellaneous Projects								
Utilities Communication Infrastructure Improvements	4,748,942	1,800,000	1,822,000	0	0	0	0	8,370,942
	4,748,942	1,800,000	1,822,000	0	0	0	0	8,370,942
Utilities Customer Service Customer Information System (CIS) Ph. 2	100,000	1,363,617	0	0	0	0	0	1,463,617
	100,000	1,363,617	0	0	0	0	0	1,463,617
Utility Lines Relocation Projects - County & FDOT	8,891,682	3,397,666	584,800	750,000	2,212,999	100,000	0	15,937,147
	8,891,682	3,397,666	584,800	750,000	2,212,999	100,000	0	15,937,147
Utility Plant Security Improvements	475,919	200,000	200,000	200,000	0	0	0	1,075,919
	475,919	200,000	200,000	200,000	0	0	0	1,075,919
Utilities Miscellaneous Projects	14,216,543	6,761,283	2,606,800	950,000	2,212,999	100,000	0	26,847,625

Pasco County Five Year Capital Plan

Project	Prior Year Expenses	FY 2016 Budget	FY 2017 Projected	FY 2018 Projected	FY 2019 Projected	FY 2020 Projected	Future Funding	Total Est Cost
Utilities Capital Improvements								
Vehicles and Equipment								
Flatbed Jet Truck	0	140,000	0	0	0	0	0	140,000
	0	140,000	0	0	0	0	0	140,000
Vehicles and Equipment	0	140,000	0	0	0	0	0	140,000

Pasco County Five Year Capital Plan

Project	Prior Year Expenses	FY 2016 Budget	FY 2017 Projected	FY 2018 Projected	FY 2019 Projected	FY 2020 Projected	Future Funding	Total Est Cost
Utilities Capital Improvements								
Wastewater Projects								
Chancey Road Wastewater Master Pump Station	0	0	0	0	900,000	0	0	900,000
	0	0	0	0	900,000	0	0	900,000
Cowpath Pump Station Modification	100,000	400,000	0	0	0	0	0	500,000
	100,000	400,000	0	0	0	0	0	500,000
Cypress Manor WWTP Replacement	0	750,000	0	0	0	0	0	750,000
	0	750,000	0	0	0	0	0	750,000
Deer Pk & Hudson WWTP Decommission	0	1,500,000	0	0	0	0	0	1,500,000
	0	1,500,000	0	0	0	0	0	1,500,000
Embassy Hills Filter Modification	0	2,560,000	0	0	0	0	0	2,560,000
	0	2,560,000	0	0	0	0	0	2,560,000
Embassy Hills WWTP Diversion to Shady Hills WWTP	0	1,600,000	14,400,000	0	0	0	0	16,000,000
	0	1,600,000	14,400,000	0	0	0	0	16,000,000
Gravity Collection System Improvement Program	498,720	2,700,000	0	0	0	0	0	3,198,720
	498,720	2,700,000	0	0	0	0	0	3,198,720
Handcart Road, Southeast WWTP to Oak Trail Force Main	0	70,000	630,000	0	0	0	0	700,000
	0	70,000	630,000	0	0	0	0	700,000
Little Rd Force Main Improvement	0	0	250,000	0	0	0	0	250,000
	0	0	250,000	0	0	0	0	250,000
Northwood Wastewater Master Pump Station	274,607	3,200,000	0	0	0	0	0	3,474,607
	274,607	3,200,000	0	0	0	0	0	3,474,607
Sewer/Collection System Improvements	943,940	1,500,000	800,000	800,000	800,000	800,000	0	5,643,940
	943,940	1,500,000	800,000	800,000	800,000	800,000	0	5,643,940
Shady Hills WWTP Improvements	124,000	4,059,330	94,414	0	0	0	0	4,277,744
	124,000	4,059,330	94,414	0	0	0	0	4,277,744
Tower Road Force Main	0	2,140,000	0	0	0	0	0	2,140,000
	0	2,140,000	0	0	0	0	0	2,140,000
Wastewater Plant Renewal and Replacement	1,181,259	250,000	250,000	250,000	250,000	250,000	0	2,431,259
	1,181,259	250,000	250,000	250,000	250,000	250,000	0	2,431,259
Wastewater Pump Station Rehabilitation & Improvements	6,389,308	616,600	616,600	616,600	616,600	616,600	0	9,472,308
	6,389,308	616,600	616,600	616,600	616,600	616,600	0	9,472,308
Wells Road Force Main, Boyette Road to High School	8,000	0	0	292,000	0	0	0	300,000
	8,000	0	0	292,000	0	0	0	300,000
Wesley Center Wastewater Treatment Plant Expansion	105,000	9,395,000	0	0	0	0	0	9,500,000
	105,000	9,395,000	0	0	0	0	0	9,500,000
Wastewater Projects	9,624,834	30,740,930	17,041,014	1,958,600	2,566,600	1,666,600	0	63,598,578

Pasco County Five Year Capital Plan

Project	Prior Year Expenses	FY 2016 Budget	FY 2017 Projected	FY 2018 Projected	FY 2019 Projected	FY 2020 Projected	Future Funding	Total Est Cost
Utilities Capital Improvements								
Water Projects								
Crystal Springs Water Main - Phase I	0	0	0	0	850,000	0	0	850,000
	0	0	0	0	850,000	0	0	850,000
Handcart Rd. Water Transmission Main	0	0	0	702,000	0	0	0	702,000
	0	0	0	702,000	0	0	0	702,000
Lacoochee-Trilby Water System Improvements	150,000	455,350	0	0	0	0	0	605,350
	150,000	455,350	0	0	0	0	0	605,350
Large Commerical Water Meter Changeouts	878,900	250,000	250,000	250,000	250,000	250,000	0	2,128,900
	878,900	250,000	250,000	250,000	250,000	250,000	0	2,128,900
Little Rd Water Treatment Plant Improvements	0	50,000	490,000	2,960,000	0	0	0	3,500,000
	0	50,000	490,000	2,960,000	0	0	0	3,500,000
Neighborhood Water Distribution Improvement Project	250,000	250,000	250,000	250,000	250,000	250,000	0	1,500,000
	250,000	250,000	250,000	250,000	250,000	250,000	0	1,500,000
Northwest Water Storage & Booster Station, Ph. I	0	0	0	0	0	7,000,000	0	7,000,000
	0	0	0	0	0	7,000,000	0	7,000,000
Water Distribution Main Extensions	111,826	100,000	100,000	100,000	100,000	100,000	0	611,826
	111,826	100,000	100,000	100,000	100,000	100,000	0	611,826
Water Main US 41 from Connerton to Asbel Rd	0	300,000	0	0	0	0	0	300,000
	0	300,000	0	0	0	0	0	300,000
Zephyrhills Bypass Water Main Extension	0	0	0	0	7,800,000	0	0	7,800,000
	0	0	0	0	7,800,000	0	0	7,800,000
Water Projects	1,390,726	1,405,350	1,090,000	4,262,000	9,250,000	7,600,000	0	24,998,076
Utilities Capital Improvements	30,182,141	64,603,187	29,634,689	21,370,600	21,674,599	16,591,600	0	184,056,816

Pasco County Project Detail

Project: UTA023 **Title:** Chancey Road Wastewater Master Pump Station **Status:** Existing Project - No Additional Funding
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, District 2
Location: Zephyrhills

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	Future Funding
900,000	0	0	0	0	900,000	0	0

Definition and Scope

A new master wastewater pump station in the Chancey Road and Coats Road area to provide additional capacity to serve customers.

Rationale

To serve future growth in the southeast Pasco area.

Funding Strategy

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

Operating Budget Impacts

Operational manpower costs will increase by approximately \$3,100 per year due to field checks, obstruction removal, and instrument calibration. Additional costs related to generators and odor control maintenance are estimated at \$5,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	11/18 - 02/19	100,000
Construction	02/19 - 06/19	800,000

Total Budgetary Cost Estimate: 900,000

Means of Financing

Funding Source	Amount
Wastewater (Sewer) Impact Fees	900,000

Total Programmed Funding: 900,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA186	Title: Cowpath Pump Station Modification	Status: New Project
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 2016	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
500,000	100,000	400,000	0	0	0	0	0

Definition and Scope

This project is to investigate, design and construct improvements to resolve operational and maintenance issues at 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 Utilities Renewal and Replacement 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. Power costs will increase but cannot be quantified until motor horsepower is selected.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	03/15 - 02/16	100,000
Construction	11/15 - 02/16	400,000

Total Budgetary Cost Estimate: 500,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	50,000
Utilities Renewal and Replacement Funds	200,000
Wastewater (Sewer) Impact Fees	200,000
Wastewater (Sewer) Impact Fees	50,000

Total Programmed Funding: 500,000

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA197	Title: Crane-Stationary Material Handler	Status: New Project
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 2016	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	Future Funding
225,000	0	225,000	0	0	0	0	0

Definition and Scope

This project is to purchase a replacement crane for daily operations of loading semi trailers.

Rationale

The crane is an essential piece of equipment for daily operations to ensure the trailers are evenly distributed and loaded to their maximum capacity. The County is charged per load trip and in the absence of the crane the County risks improper loading and increasing the number of loads resulting in additional charges to the County.

Funding Strategy

This project is funded by the Solid Waste Fund.

Operating Budget Impacts

Maintenance of the replacement crane is expected to result in a net cost savings due to opting to have maintenance performed in-house by County Fleet Management versus an outside vendor in the past. Savings are anticipated in the reduction of loads to transport solid waste. Currently, approximately 14.5 tons can be transported in one load. With the utilization of the crane, it is expected to increase to 22.3 tons per load. This is expected to result in a reduction of approximately 1,700 loads per year and thus an annual savings of \$210,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Equipment	10/15 - 09/16	225,000
Total Budgetary Cost Estimate:		225,000
Means of Financing		
Funding Source		Amount
Solid Waste System Fund		225,000
Total Programmed Funding:		225,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA034 **Title:** Crystal Springs Water Main - Phase I **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 1
LOS/Concurrency: N/A **Project Need:** N/A **Location:** Crystal Springs

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
850,000	0	0	0	0	850,000	0	0

Definition and Scope

This project will connect the recently acquired 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.

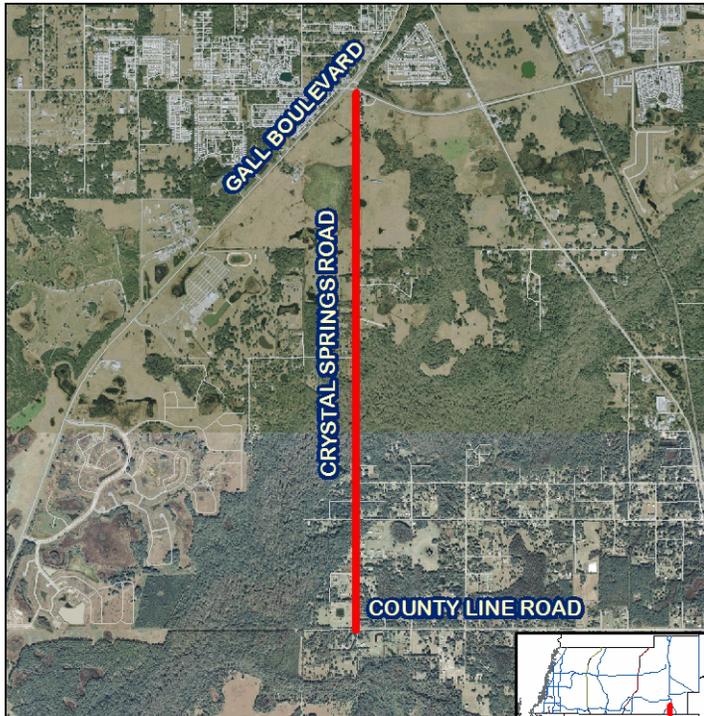
Funding Strategy

This project is funded by Utilities Water Impact Fees.

Operating Budget Impacts

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

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	11/18 - 08/19	100,000
Construction	02/19 - 08/19	750,000
Total Budgetary Cost Estimate:		850,000

Means of Financing

Funding Source	Amount	
Water Impact Fees	850,000	
Total Programmed Funding:		850,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA092	Title: Cypress Manor WWTP Replacement	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: District 1
LOS/Concurrency: N/A	Project Need: N/A	Location: Dade City

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
750,000	0	750,000	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. An estimated cost saving is unquantifiable at this time until equipment and motor sizes are proposed.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	10/15 - 09/16	550,000
Design/Engineering	10/15 - 09/16	200,000
Total Budgetary Cost Estimate:		750,000

Means of Financing

Funding Source	Amount	
Utilities Renewal and Replacement Funds	750,000	
Total Programmed Funding:		750,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA163 **Title:** Deer Pk & Hudson WWTP Decommission **Status:** Existing Project - No Additional Funding
Category: Wastewater Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: N/A **Plan Reference:** No **District:** District 4, District 5
LOS/Concurrency: N/A **Project Need:** N/A **Location:** New Port Richey & Hudson

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,500,000	0	1,500,000	0	0	0	0	0

Definition and Scope

This project is to design and acquire services to decommission the Deer Park and Hudson Wastewater Treatment Facilities as required by regulations.

Rationale

Project is to decommission two wastewater plant sites. Currently Hudson is offline and Deer Park will be offline by December 2014.

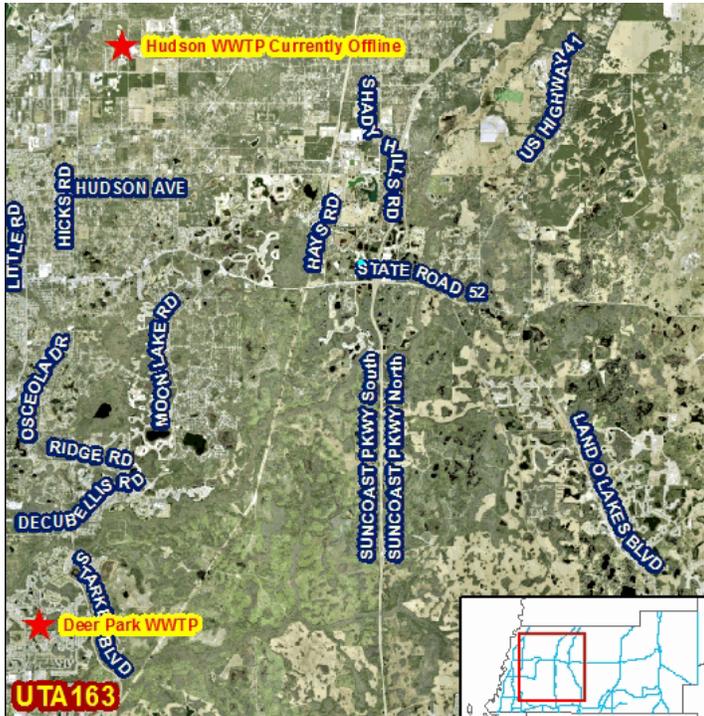
Funding Strategy

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

Operating Budget Impacts

This project's impact to the budget will be available after the Wastewater Master Plan is complete.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	07/16 - 12/16	1,350,000
Design/Engineering	07/16 - 12/16	150,000

Total Budgetary Cost Estimate: 1,500,000

Means of Financing

Funding Source	Amount
2014 Water and Sewer Revenue Bonds	1,500,000

Total Programmed Funding: 1,500,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA115 | **Title:** East Pasco Transfer Station Expansion | **Status:** Existing Project - Additional Funding Required

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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
6,000,000	0	0	500,000	5,500,000	0	0	0

Definition and Scope

This project expands the existing transfer station 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 System Fund.

Operating Budget Impacts

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

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/16 - 09/18	500,000
Construction	01/17 - 09/18	5,500,000

Total Budgetary Cost Estimate: 6,000,000

Means of Financing

Funding Source	Amount
Solid Waste System Fund	6,000,000

Total Programmed Funding: 6,000,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA188	Title: Embassy Hills Filter Modification	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: Port Richey

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
2,560,000	0	2,560,000	0	0	0	0	0

Definition and Scope

This project is to design, purchase and install disc filter units capable of handling 3.0 million gallons per day and the necessary piping to connect with the existing sand filters at the Embassy Hills Wastewater Treatment Plant. This project will be necessary if the Embassy Hills Diversion project is delayed or eliminated.

Rationale

This project significantly contributes to Pasco County Utilities goals and objectives by maintaining wastewater treatment reliability and increasing plant operating efficiency while decreasing annual maintenance costs. Increasing treatment reliability also helps meet regulatory compliance requirements for plant effluent water quality.

Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

This project will increase net filtration efficiency to comply with regulatory requirements, but will be neutral on the overall operating budget.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	01/16 - 12/16	256,000
Construction	04/16 - 12/16	2,304,000
Total Budgetary Cost Estimate:		2,560,000

Means of Financing

Funding Source	Amount	
Utilities Renewal and Replacement Funds	2,560,000	
Total Programmed Funding:		2,560,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA019 | **Title:** Embassy Hills WWTP Diversion to Shady Hills WWTP | **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
LOS/Concurrency: No | **Project Need:**

Project Location

District: District 2, District 4, District 5
Location: Between Port Richey and Shady Hills

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
16,000,000	0	1,600,000	14,400,000	0	0	0	0

Definition and Scope

Provide a force main and pump station to divert flow from the Embassy Hills Plant to the newly upgraded Shady Hills Regional Wastewater Treatment Plant (WWTP).

Rationale

Pasco County Utilities has crafted a Capital Improvements program to consolidate certain operations over the next five to ten years to take advantage of improving technologies and achieve economies of scale in treatment and operation. Under this plan, the Embassy Hills WWTP is to be decommissioned and flow will be routed to the Shady Hills Regional WWTP.

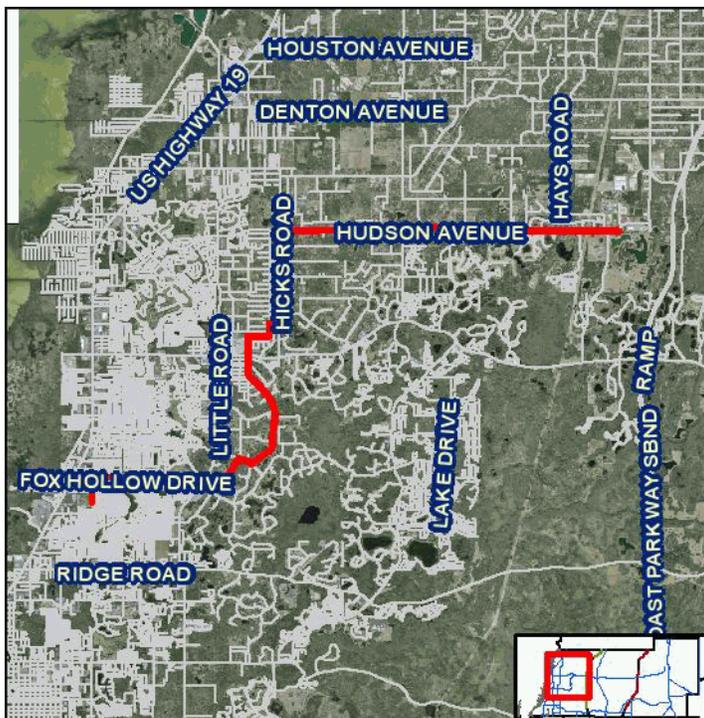
Funding Strategy

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

Operating Budget Impacts

Diversion pumping costs are estimated at \$70,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	05/16 - 09/18	1,600,000
Construction	11/16 - 09/18	14,400,000
Total Budgetary Cost Estimate:		16,000,000
Means of Financing		
Funding Source	Amount	
2014 Water and Sewer Revenue Bonds	13,500,000	
Utilities Capital Improvement Funds	2,500,000	
Total Programmed Funding:		16,000,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA161 | **Title:** Expansion of Embassy Hills Reclaimed Rapid Infiltration Basins | **Status:** Existing Project - Additional Funding Required

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

Comprehensive Plan Information

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

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,000,000	80,000	920,000	0	0	0	0	0

Definition and Scope

This project is to add four Reclaimed Rapid Infiltration Basins (RRIBs) to the Embassy Hills facility for additional disposal capacity.

Rationale

This project will add a new effluent disposal site to the Pasco County Master Reuse System.

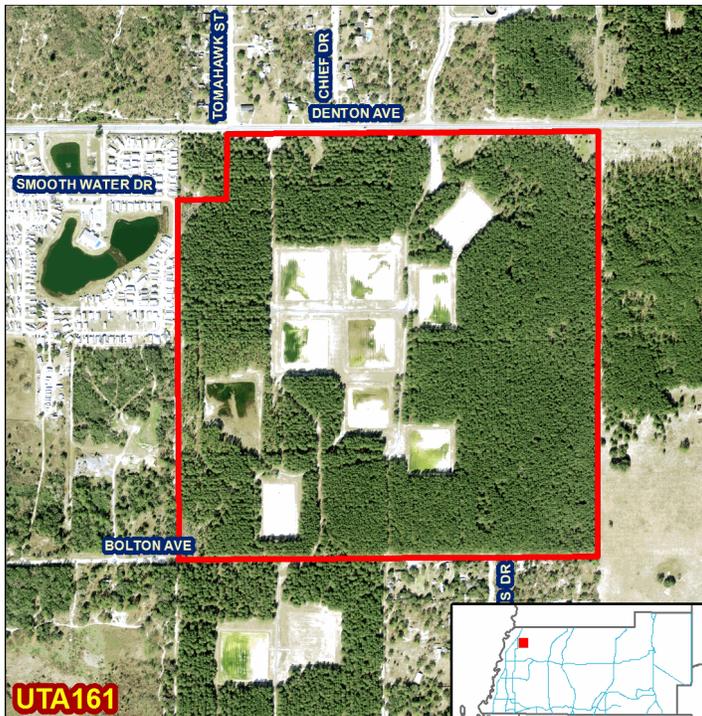
Funding Strategy

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

Operating Budget Impacts

Additional costs due to manpower are estimated at \$6,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	07/14 - 03/16	200,000
Construction	09/15 - 03/16	800,000
Total Budgetary Cost Estimate:		1,000,000

Means of Financing

Funding Source	Amount
Wastewater (Sewer) Impact Fees	800,000
Wastewater (Sewer) Impact Fees	200,000
Total Programmed Funding:	1,000,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA200 | **Title:** Flatbed Jet Truck | **Status:** New Project

Category: Vehicles and Equipment | **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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
140,000	0	140,000	0	0	0	0	0

Definition and Scope

This project is to purchase a flat bed jet truck for sewer maintenance and repairs.

Rationale

This project adds to the one unit in current inventory for the entire county. It also add versatility in having the right piece of equipment for the right purpose. The current vactor truck is oversized for certain types of projects and can cause damage to curbs, sidewalks and driveways, creating additional restoration work to restore damaged areas. The addition of this unit will enhance efficiency of operation and improve customer relations through mitigating unintentional restorative work.

Funding Strategy

This project will be funded by Utilities Water and Sewer Funds.

Operating Budget Impacts

As per Fleet Management an Operational Cost \$8.41 an hour or \$17,492.80 per year and Maintenance Cost of \$3.45 an hour or \$7,176 per year for a total Operational Cost of \$11.86 an hour or \$24,668.80 per year.

Impact Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Personal Services	13,897	28,419	28,419	28,419	28,419
Capital Outlay	0	0	0	0	0
Operating Expenditures	0	0	0	0	0
Total Operating Budget Impacts	13,897	28,419	28,419	28,419	28,419

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Vehicles	10/15 - 09/16	140,000

Total Budgetary Cost Estimate: 140,000

Means of Financing

Funding Source	Amount
Utilities Water and Sewer Funds	140,000

Total Programmed Funding: 140,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA018 | **Title:** Golf Course Reuse Ponds & Pump Stations | **Status:** Existing Project - Additional Funding Required

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

Comprehensive Plan Information

Project Location

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

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,443,533	1,093,533	350,000	0	0	0	0	0

Definition and Scope

This project provides for a disposal of reclaimed water during wet weather periods of the year. Fiscal Year 2016 project is for Tampa Bay Golf & Tennis Club (3/1/2016) \$350,000.

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.

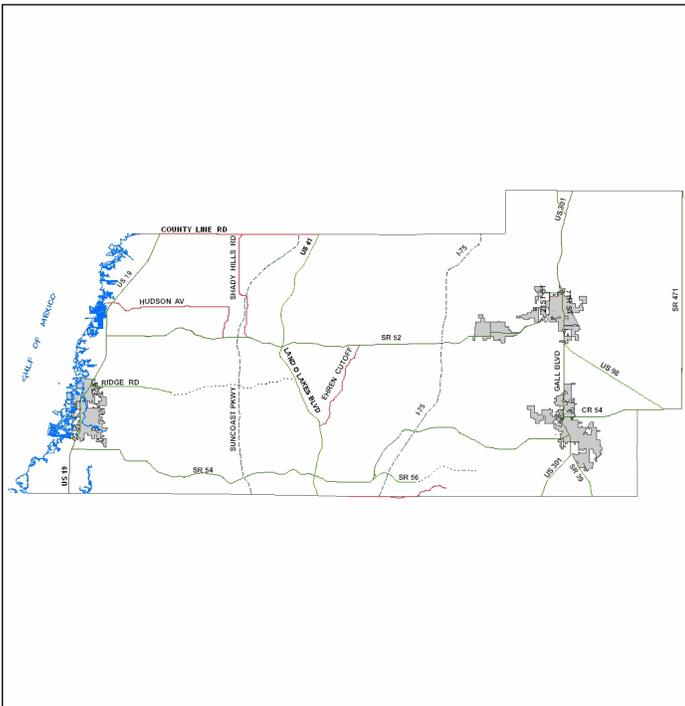
Funding Strategy

This project is funded by a combination of Utilities Capital Improvement Funds and Utilities Renewal and Replacement Funds. Utilities anticipates a portion will be reimbursed through a Southwest Florida Water Management District (SWFMD) Grant.

Operating Budget Impacts

Additional costs due to manpower are estimated at \$3,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	09/13 - 09/16	206,165
Construction	09/14 - 09/16	1,237,368

Total Budgetary Cost Estimate: 1,443,533

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	935,705
Utilities Capital Improvement Funds	507,828

Total Programmed Funding: 1,443,533
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA181	Title: Gravity Collection System Improvement Program	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: Hudson

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
3,198,720	498,720	2,700,000	0	0	0	0	0

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.

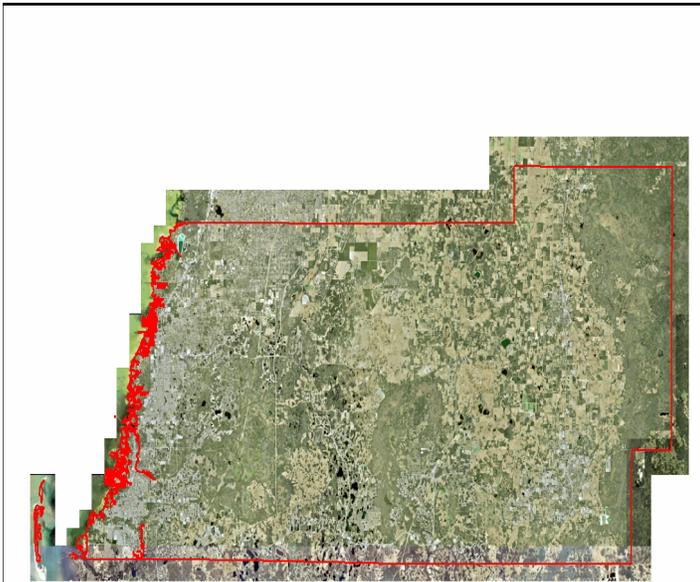
Funding Strategy

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	06/15 - 12/16	3,000,000

Total Budgetary Cost Estimate: 3,198,720

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: 0

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

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

Project Location

District: District 1, District 2
Location: Zephyrhills

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
702,000	0	0	0	702,000	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.

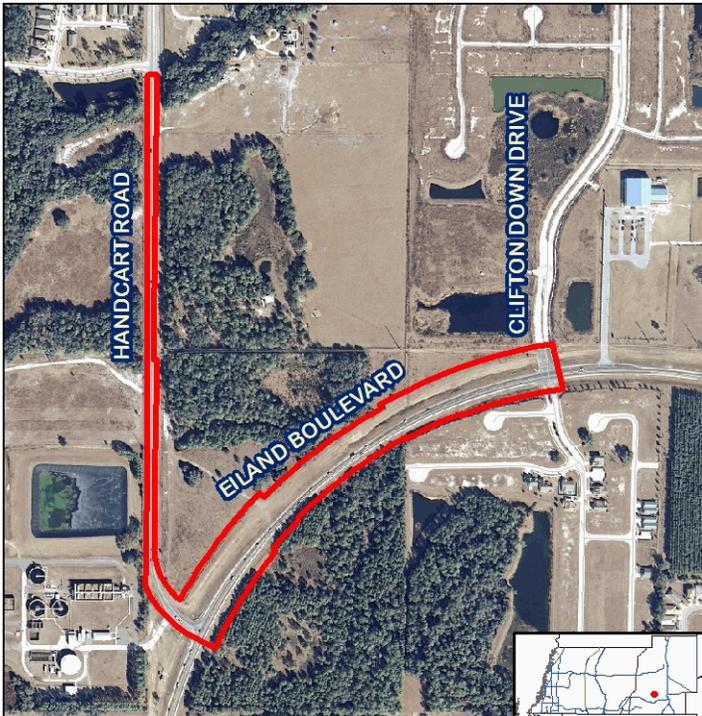
Funding Strategy

This project is funded by Water Impact Fee Funds and Utilities Capital Improvement Funds.

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	01/18 - 08/18	70,200
Construction	04/18 - 08/18	631,800

Total Budgetary Cost Estimate: 702,000

Means of Financing

Funding Source	Amount
Water Impact Fees	526,500
Utilities Capital Improvement Funds	175,500

Total Programmed Funding: 702,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA028 **Title:** Handcart Road, Southeast WWTP to Oak Trail Force Main **Status:** Existing Project - No Additional Funding
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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
700,000	0	70,000	630,000	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.

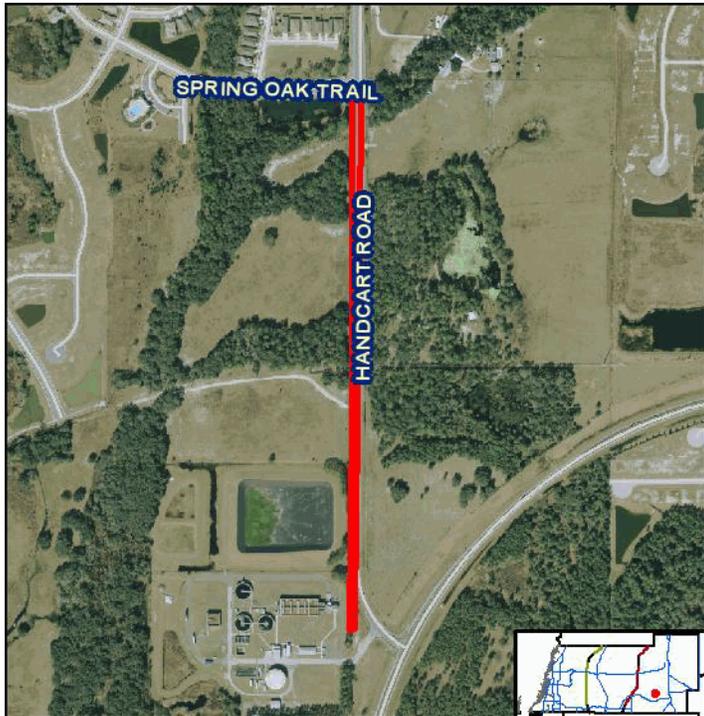
Funding Strategy

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	05/16 - 04/17	70,000
Construction	11/16 - 04/17	630,000

Total Budgetary Cost Estimate: 700,000

Means of Financing

Funding Source	Amount
2014 Water and Sewer Revenue Bonds	700,000

Total Programmed Funding: 700,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA185 | **Title:** Lacoochee-Trilby Water System Improvements | **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:** Lacoochee-Trilby

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
605,350	150,000	455,350	0	0	0	0	0

Definition and Scope

This project is to expand and improve the public water system serving the Lacoochee/Trilby community by increasing the permitted capacity at all of the contributing well sites and constructing a new well and facility upgrades at the Lacoochee well site.

Rationale

This project contributes to the goals and objectives of Pasco County Utilities by increasing the level of service for the Lacoochee/Trilby water system while contributing to safety by adding capacity for fire protection.

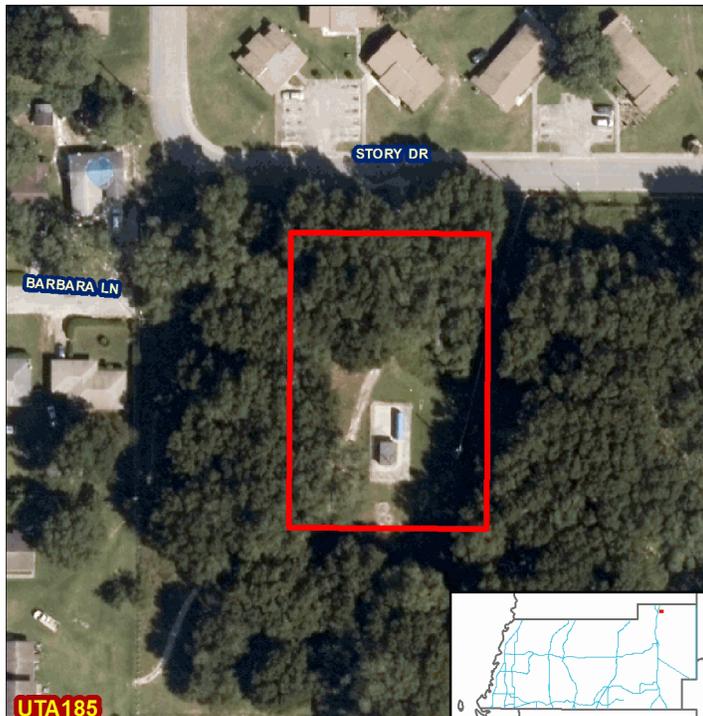
Funding Strategy

This project is funded by a combination of Utilities Capital Improvement Funds and Water Impact Fees.

Operating Budget Impacts

Additional operational costs include tank inspections, operations checks, preventive maintenance, and meter calibrations at \$26,500 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	01/15 - 12/15	101,350
Construction	06/15 - 12/15	504,000
Total Budgetary Cost Estimate:		605,350

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	302,675
Water Impact Fees	302,675
Total Programmed Funding:	605,350
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

CIE Project: No **Plan Reference:** No
LOS/Concurrency: No **Project Need:**

Project Location

District: All Commission Districts
Location: Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
2,128,900	878,900	250,000	250,000	250,000	250,000	250,000	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	10/07 - 09/20	2,128,900
Total Budgetary Cost Estimate:		2,128,900

Means of Financing

Funding Source	Amount	
Utilities Capital Improvement Funds	878,900	
Utilities Capital Improvement Funds	1,250,000	
Total Programmed Funding:		2,128,900
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA139 | **Title:** Large Reclaim Meter Replacement | **Status:** Existing Project - No Additional Funding
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 2016	Non-Appropriated Programmed CIP Funding					Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020		
200,000	0	200,000	0	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	02/16 - 08/16	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: UTA195	Title: Leachate Building Improvements	Status: New Project
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 2016	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	Future Funding
250,000	0	250,000	0	0	0	0	0

Definition and Scope

This project will replace rusted sheeting on the existing leachate building.

Rationale

The leachate building is a critical element to our leachate handling which is a FDEP requirement under the FDEP code 701. The County risks compliance with our Operating permit within the Title V Permit. Replacing the rusted sheeting on the building avoids the total loss of the building due to external and internal rusting. When the building was formerly used to process leachate, the sodium concentrate by-product produced over years resulted in rusting on internal and external metal sheeting. Currently the facility is now used to pump the leachate into tankers and is no longer exposed to the sodium concentrate. The sheeting is falling down and in need of replacement or the entire building will be unsuitable for use. Re-sheeting the building will preserve the existing structure, preventing loss of the building.

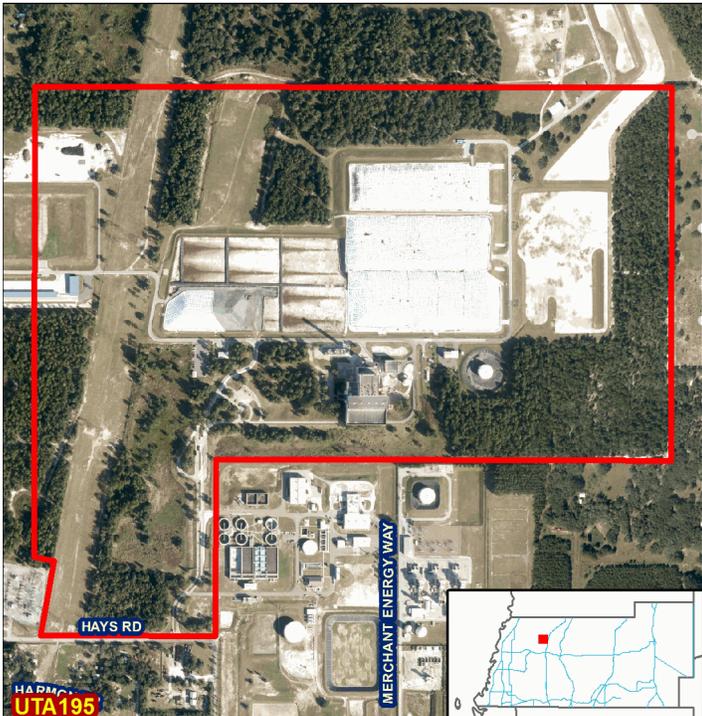
Funding Strategy

This project will be funded by the Solid Waste Fund.

Operating Budget Impacts

This project replaces material in an existing facility and will not create any additional O & M commitments, but will extend the life of the building for at least 10+ years.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	11/15 - 02/16	250,000
Total Budgetary Cost Estimate:		250,000
Means of Financing		
Funding Source		Amount
Solid Waste System Fund		250,000
Total Programmed Funding:		250,000
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

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

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	Future Funding
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.

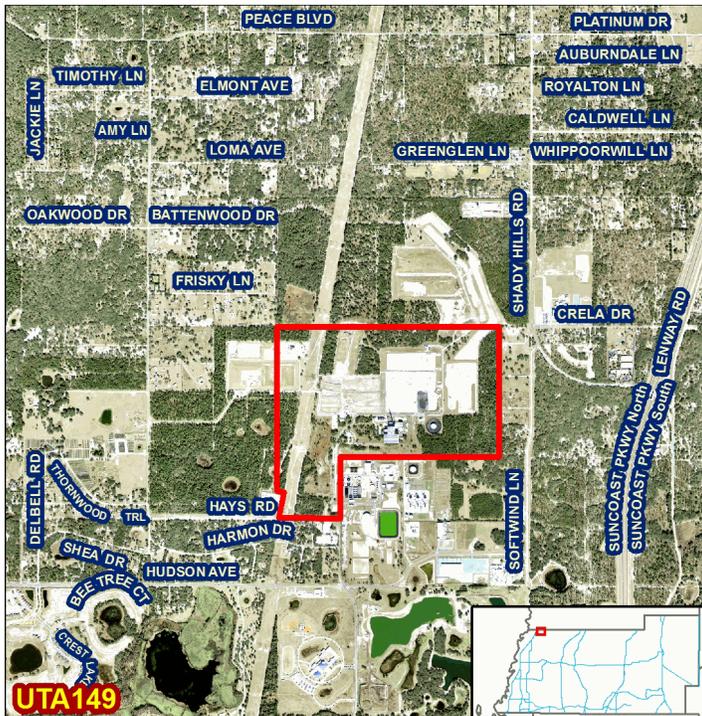
Funding Strategy

This project is funded by Solid Waste 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	10/15 - 12/15	315,000
Total Budgetary Cost Estimate:		350,000

Means of Financing

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

Pasco County Project Detail

Project: UTA191	Title: Little Rd Force Main Improvement	Status: New Project
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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
250,000	0	0	250,000	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.

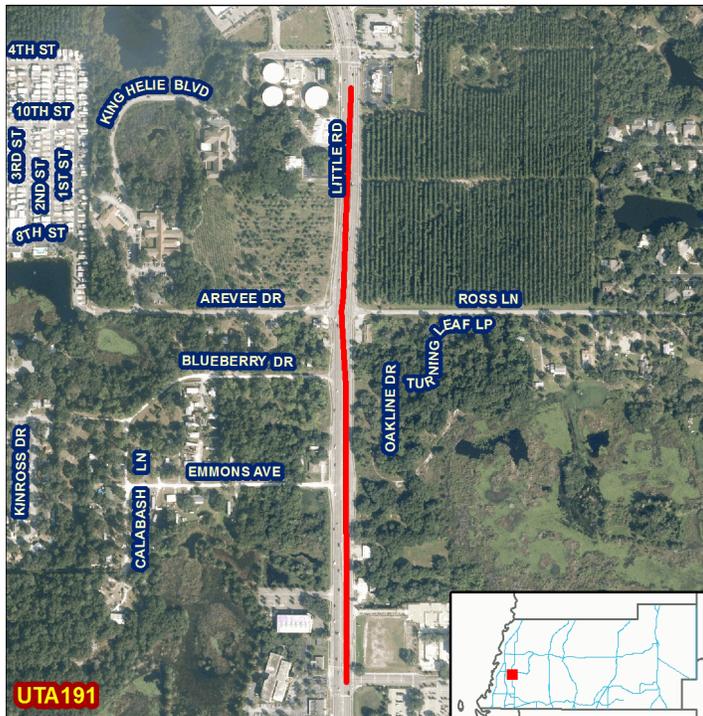
Funding Strategy

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 - 02/17	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: UTA187	Title: Little Rd Water Treatment Plant Improvements	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 4
LOS/Concurrency: N/A	Project Need: N/A	Location: New Port Richey

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
3,500,000	0	50,000	490,000	2,960,000	0	0	0

Definition and Scope

This project is to complete a detailed study of the pump station operation and fund the required improvements addressed in the study.

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.

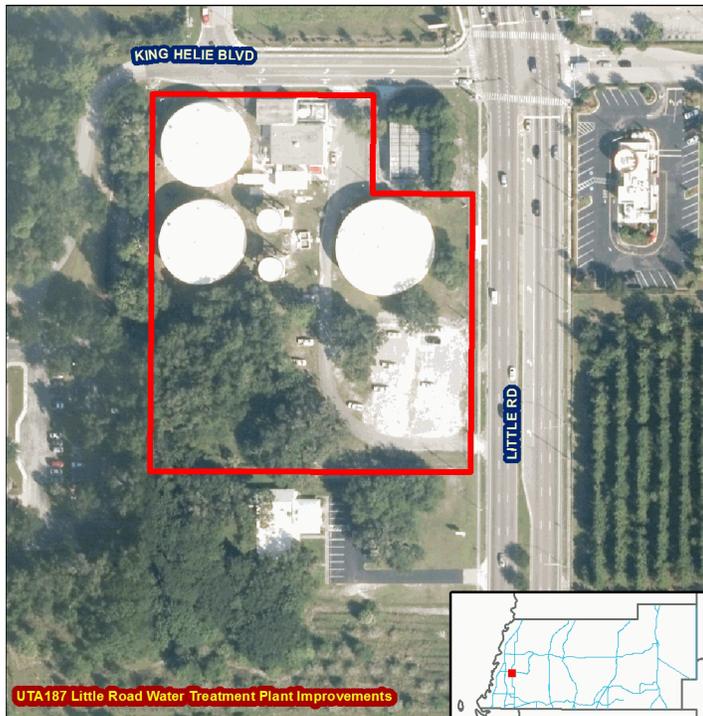
Funding Strategy

This project is funded by a combination of Utilities Capital Improvement Funds and Water Impact Fees.

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. A \$42,000 per year decrease in costs is estimated.

Project Map



UTA187 Little Road Water Treatment Plant Improvements

Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	09/15 - 09/18	400,000
Land Acquisition/Right-of-Way	10/16 - 01/18	140,000
Construction	01/18 - 09/18	2,960,000
Total Budgetary Cost Estimate:		3,500,000

Means of Financing

Funding Source	Amount	
Water Impact Fees	1,750,000	
Utilities Capital Improvement Funds	1,750,000	
Total Programmed Funding:		3,500,000
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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,500,000	250,000	250,000	250,000	250,000	250,000	250,000	0

Definition and Scope

This will be a five year project to replace galvanized 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 galvanized piping in the water distribution which affect the water quality in the County's system.

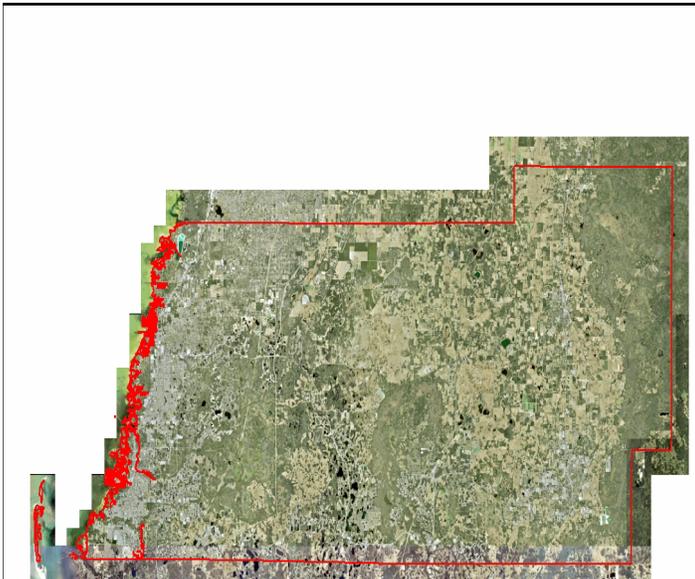
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

Operating Budget Impacts

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

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	11/14 - 09/20	1,500,000

Total Budgetary Cost Estimate: 1,500,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	250,000
Utilities Renewal and Replacement Funds	1,250,000

Total Programmed Funding: 1,500,000

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA030 **Title:** Northwest Water Storage & Booster Station, Ph. I **Status:** Existing Project - No Additional Funding
Category: Water Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: Yes **Plan Reference:** Chapter 10, 1.1. **District:** District 2, District 5
LOS/Concurrency: Yes **Project Need:** Growth **Location:** Hudson

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	Future Funding
7,000,000	0	0	0	0	0	7,000,000	0

Definition and Scope

Provide a new water plant for the future expansion of the water system into northwest Pasco County.

Rationale

To serve future growth in the northwest portion of Pasco County.

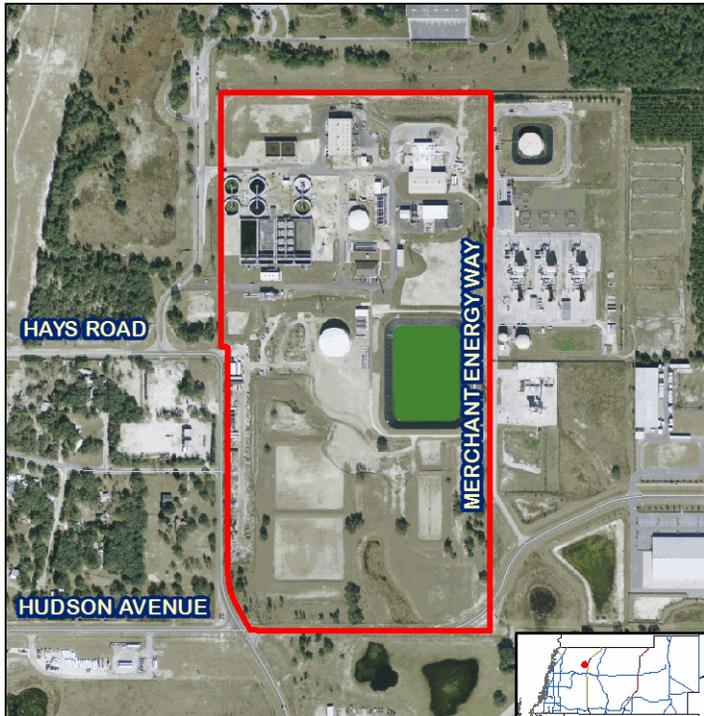
Funding Strategy

This project is funded by Water Impact Fees.

Operating Budget Impacts

Estimated operating and maintenance costs of \$32,000 per year are anticipated and consist of additional personnel, energy and chemical use.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/19 - 09/20	700,000
Construction	01/20 - 09/20	6,300,000
Total Budgetary Cost Estimate:		7,000,000

Means of Financing

Funding Source	Amount	
Water Impact Fees	7,000,000	
Total Programmed Funding:		7,000,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: 600196 **Title:** Northwood Wastewater Master Pump Station **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: District 3
Location: Wesley Chapel

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
3,474,607	274,607	3,200,000	0	0	0	0	0

Definition and Scope

This project is to construct a new master wastewater pump station to serve the Northwood, Meadow Pointe, and other surrounding areas.

Rationale

This project will eliminate three existing pump stations and reduce the possibility of sanitary sewer overflows.

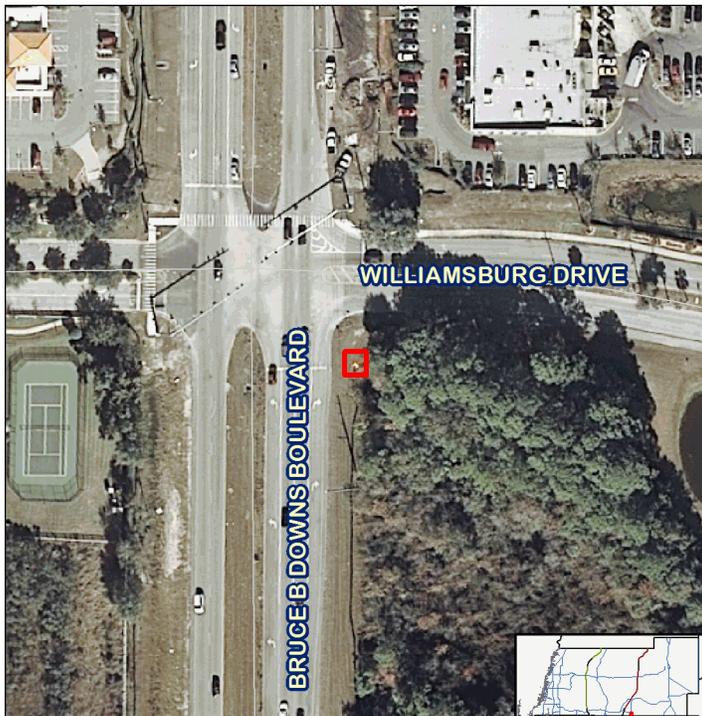
Funding Strategy

This project is funded by a combination of Utilities Renewal and Replacement Funds, Utilities Capital Improvement Funds and the 2014 Water and Sewer Bond Fund.

Operating Budget Impacts

Operational manpower costs will increase by approximately \$4,000 per year due to field checks, obstruction removal, and instrument calibration. Power costs will increase but cannot be quantified until motor horsepower is selected.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	12/09 - 08/16	274,607
Construction	03/16 - 08/16	3,200,000
Total Budgetary Cost Estimate:		3,474,607

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	149,340
2014 Water and Sewer Revenue Bonds	3,200,000
Utilities Capital Improvement Funds	125,267
Total Programmed Funding:	3,474,607
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA140 | **Title:** Quail Hollow Golf Course Reclaimed Water | **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:** No | **District:** District 2
LOS/Concurrency: Yes | **Project Need:** Deficiency | **Location:** Wesley Chapel

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
400,000	40,000	360,000	0	0	0	0	0

Definition and Scope

This project will provide the design, permitting and construction of reclaimed water infrastructure to the Quail Hollow Golf Course. This project includes the addition of one thousand feet of six inch reclaimed water transmission piping and a 1.0 mgd pump station.

Rationale

This project is to ensure the residential homes are not affected by the golf course demands.

Funding Strategy

This project is funded by Utilities Capital Improvement Funds.

Operating Budget Impacts

Additional costs due to manpower and energy are estimated at \$9,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	03/15 - 01/16	360,000
Design/Engineering	03/15 - 01/16	40,000
Total Budgetary Cost Estimate:		400,000

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	40,000
Utilities Capital Improvement Funds	360,000
Total Programmed Funding:	400,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA004 | **Title:** Rapid Infiltration Basins & Spray Fields and Other Disposal Options | **Status:** Existing Project - Additional Funding Required

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

Comprehensive Plan Information

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

Project Location

District: District 1, District 5
Location: Spring Hill and Land O Lakes

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	Future Funding
20,105,169	1,190,000	13,033,669	5,881,500	0	0	0	0

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 (e.g. 4G Ranch, Crews Lake) are targeted for implementation.

Rationale

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

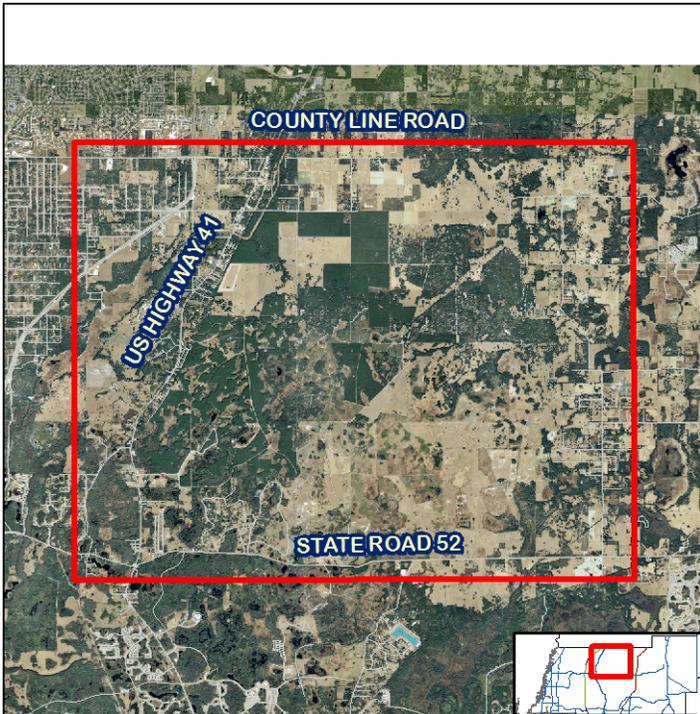
Funding Strategy

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	10/12 - 09/17	3,294,000
Construction	10/14 - 09/17	16,811,169

Total Budgetary Cost Estimate: 20,105,169

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	532,000
Wastewater (Sewer) Impact Fees	16,811,169
Wastewater (Sewer) Impact Fees	2,762,000

Total Programmed Funding: 20,105,169
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA108 | **Title:** Reclaimed Water Transmission from SR 56 to Powerline Corridor | **Status:** Existing Project - Additional Funding Required

Category: Reclaimed Water 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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
2,200,000	220,000	1,980,000	0	0	0	0	0

Definition and Scope

This project will replace and upsized a section of 10 inch reclaimed water pipe along SR 54 to a 16 inch reclaimed water pipe.

Rationale

To relieve the restriction and reduce the bottle neck that is preventing the transmission of reclaimed water from the east side of the county to the west side of the county.

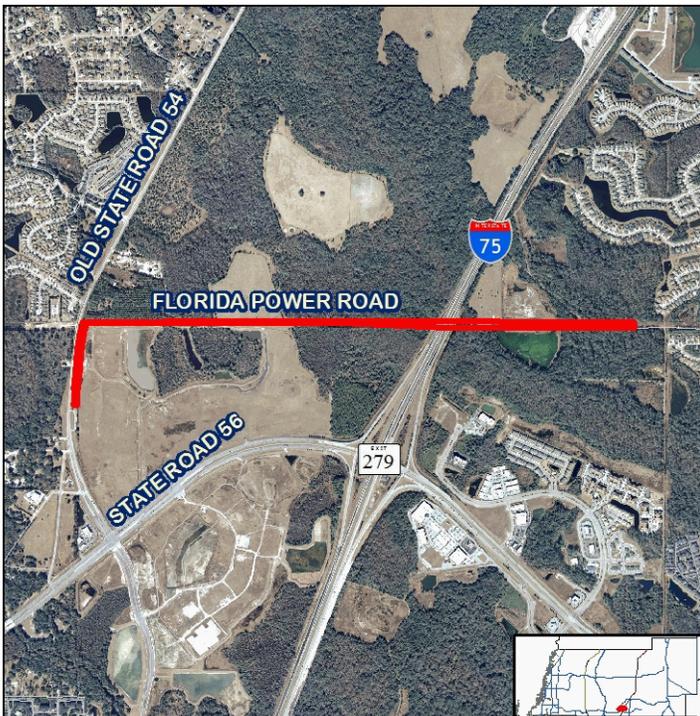
Funding Strategy

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

Operating Budget Impacts

Additional costs due to manpower are estimated at \$1,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	04/15 - 02/16	220,000
Construction	07/15 - 02/16	1,980,000
Total Budgetary Cost Estimate:		2,200,000

Means of Financing

Funding Source	Amount
2014 Water and Sewer Revenue Bonds	2,200,000
Total Programmed Funding:	2,200,000
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

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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
370,000	0	0	370,000	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.

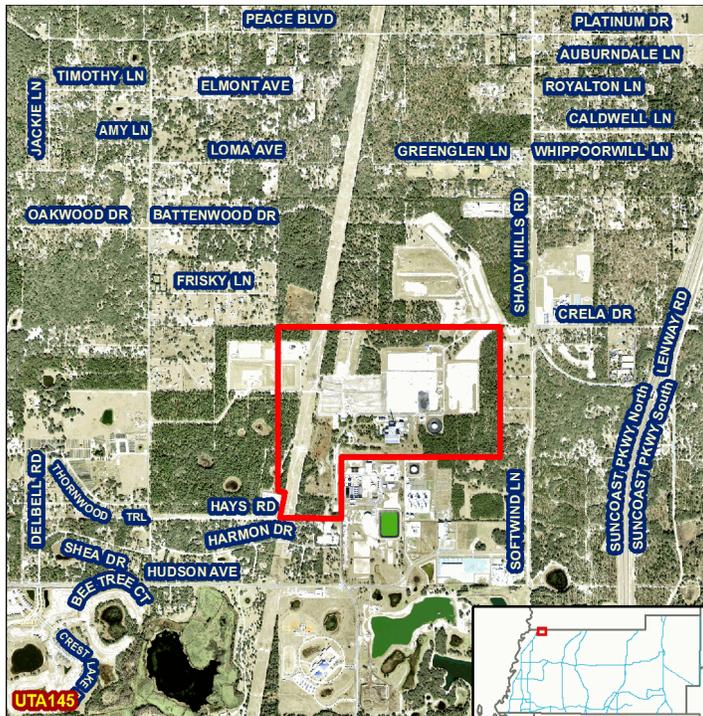
Funding Strategy

This project is funded by Solid Waste System 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	01/17 - 08/17	37,000
Construction	04/17 - 08/17	333,000
Total Budgetary Cost Estimate:		370,000
Means of Financing		
Funding Source	Amount	
Solid Waste System 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	District: District 5
LOS/Concurrency: Yes	Project Need: Deficiency	Location: Spring Hill

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
370,000	0	0	0	0	370,000	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 System 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	01/19 - 08/19	37,000
Construction	04/19 - 08/19	333,000
Total Budgetary Cost Estimate:		370,000

Means of Financing

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

Pasco County Project Detail

Project: UTA141 | **Title:** Rod Lincoln Groves Reclaim 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:** No | **District:** District 1
LOS/Concurrency: N/A | **Project Need:** N/A | **Location:** Zephyrhills

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
200,000	20,000	180,000	0	0	0	0	0

Definition and Scope

This project will provide the design, permitting and construction of reclaimed water distribution infrastructure to the Rod Lincoln Groves and hayfields. This project includes the addition of 3,200 feet of twelve inch reclaimed water transmission piping and necessary appurtenances.

Rationale

This project will provide for a new agriculture customer added to our reclaimed water system.

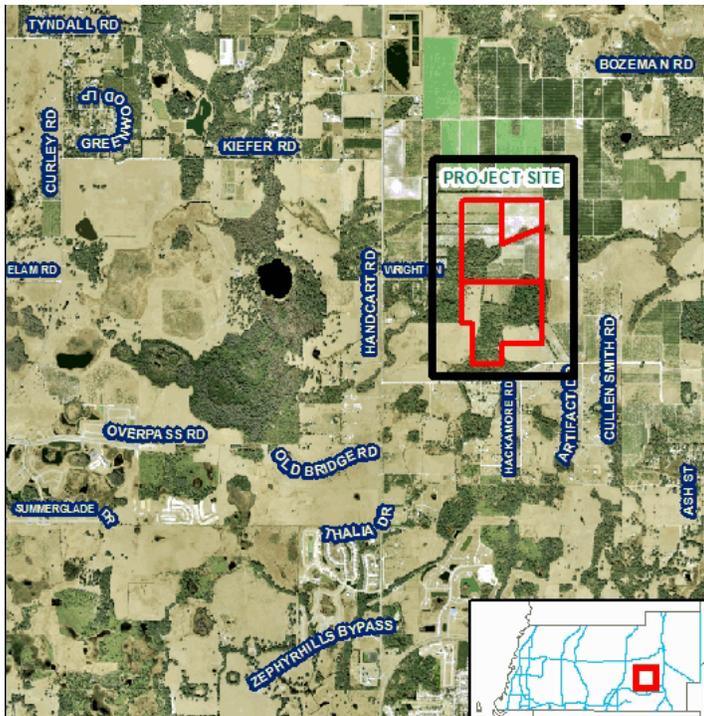
Funding Strategy

This project is funded by Utilities Capital Improvement Funds.

Operating Budget Impacts

Additional costs due to manpower are estimated at \$500 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	12/14 - 03/16	20,000
Construction	06/15 - 03/16	180,000

Total Budgetary Cost Estimate: 200,000

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	20,000
Utilities Capital Improvement Funds	180,000

Total Programmed Funding: 200,000

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

Project Location

CIE Project: No | **Plan Reference:** Objective goal 3.1 | **District:** All Commission Districts
LOS/Concurrency: Yes | **Project Need:** | **Location:** Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
5,643,940	943,940	1,500,000	800,000	800,000	800,000	800,000	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. An example of a task related to this activity would be sealing and grouting the system.

Rationale

Improvements to the County's wastewater (sewer) collection system will ensure the County adapts to any new regulations put forth by the state. Additionally, the County can adopt more efficient methods of treatment while staying in compliance with existing state regulations.

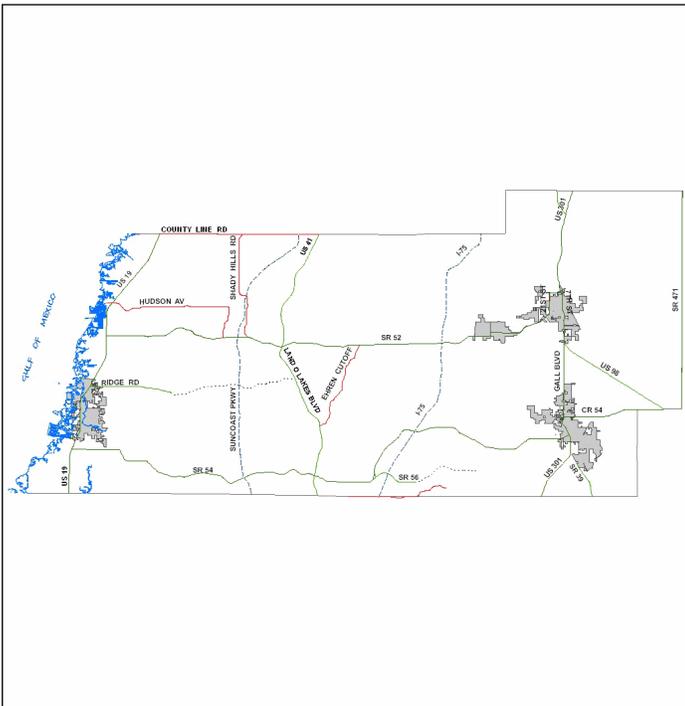
Funding Strategy

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	10/12 - 09/20	5,500,000
Equipment	04/13 - 09/15	143,940

Total Budgetary Cost Estimate: 5,643,940

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	943,940
Utilities Renewal and Replacement Funds	4,700,000

Total Programmed Funding: 5,643,940

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 | **District:** District 5
LOS/Concurrency: Yes | **Project Need:** Deficiency | **Location:** Spring Hill

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
4,277,744	124,000	4,059,330	94,414	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 repairs include but are not limited to the Fat, Oil, and Grease Facility, internal recycling pump upgrades, the headworks, replacing high service reclaim water pumps and other repairs.

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 a combination of Utilities Renewal and Replacement Funds and 2014 Water and Sewer Revenue Bond.

Operating Budget Impacts

This project will create operation and maintenance efficiencies through the regionalism of wastewater treatment in the County. The full impact of the necessary improvements will be determined at the conclusion of the wastewater treatment plan assessment and expansion feasibility study.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	11/14 - 09/17	724,000
Construction	04/15 - 09/17	3,553,744
Total Budgetary Cost Estimate:		4,277,744

Means of Financing

Funding Source	Amount	
2014 Water and Sewer Revenue Bonds	4,000,000	
Utilities Renewal and Replacement Funds	277,744	
Total Programmed Funding:		4,277,744
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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,400,000	0	0	0	1,400,000	0	0	0

Definition and Scope

This project is for design only to identify and acquire land in the south central part of the county for a future transfer station. This project is anticipated but is 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.

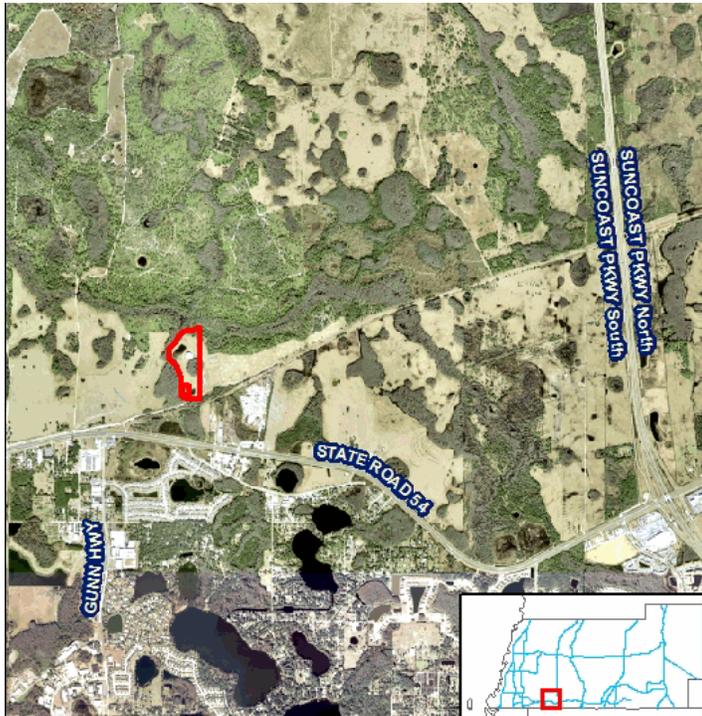
Funding Strategy

This project is funded by Solid Waste System 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	01/18 - 07/19	1,400,000
Total Budgetary Cost Estimate:		1,400,000

Means of Financing

Funding Source	Amount	
Solid Waste System Fund	1,400,000	
Total Programmed Funding:		1,400,000
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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
4,261,335	2,021,505	994,455	1,245,375	0	0	0	0

Definition and Scope

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

Rationale

This project will provide for a new residential subdivision added to our master reuse system.

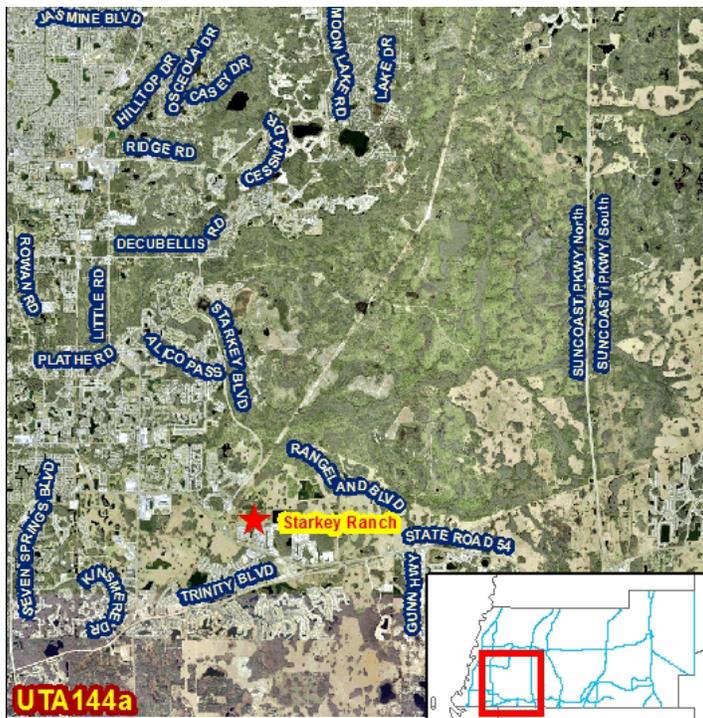
Funding Strategy

This project is funded by a combination of Utilities Capital Improvement Funds and Wastewater (Sewer) Impact Fees. It is anticipated this project will receive 50% reimbursement from Southwest Florida Water Management District and 50% from the developer.

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	01/15 - 09/17	426,000
Construction	08/15 - 09/17	3,835,335

Total Budgetary Cost Estimate: 4,261,335

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	1,221,660
Wastewater (Sewer) Impact Fees	2,239,830
Wastewater (Sewer) Impact Fees	799,845

Total Programmed Funding: 4,261,335

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA189	Title: Tower Road Force Main	Status: New Project
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: Land O Lakes

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
2,140,000	0	2,140,000	0	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.

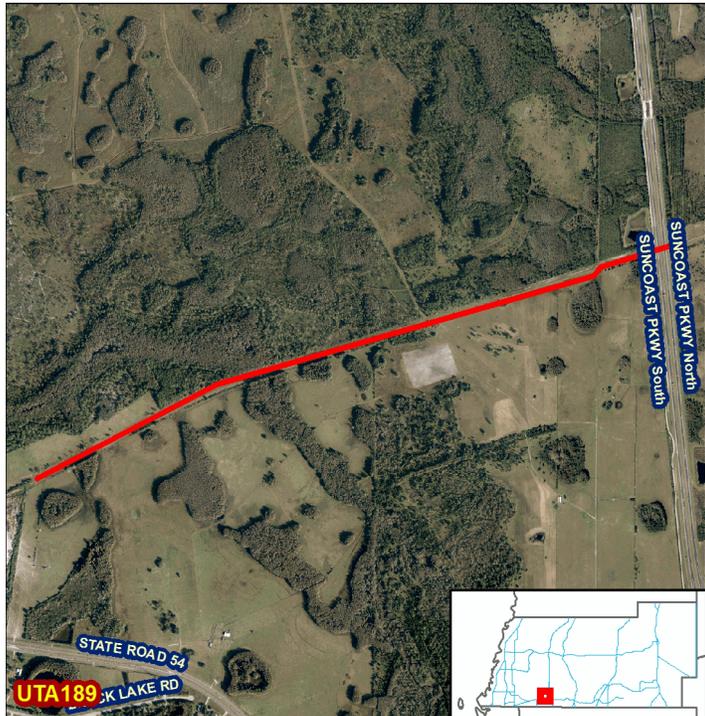
Funding Strategy

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	01/16 - 12/16	300,000
Construction	05/16 - 11/16	1,840,000

Total Budgetary Cost Estimate: 2,140,000

Means of Financing

Funding Source	Amount
Wastewater (Sewer) Impact Fees	2,140,000

Total Programmed Funding: 2,140,000

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

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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
8,370,942	4,748,942	1,800,000	1,822,000	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 25% 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.

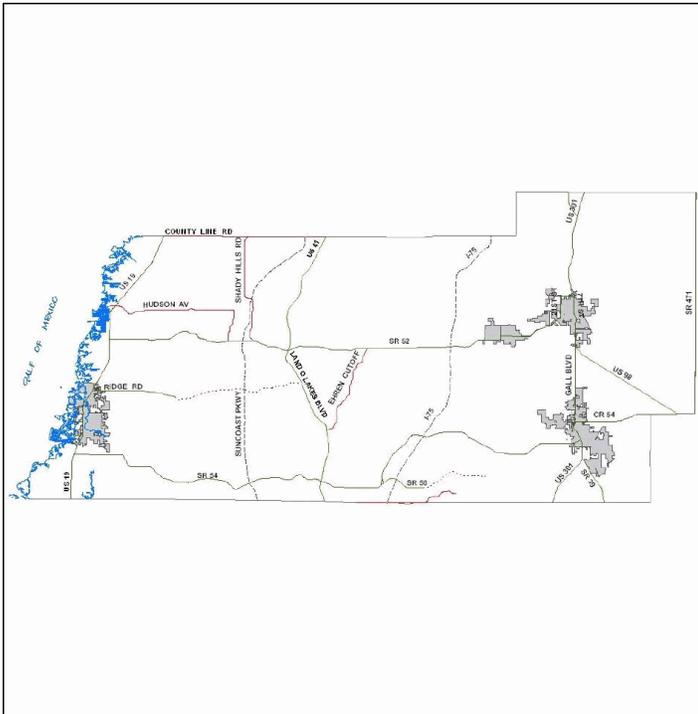
Funding Strategy

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 and, therefore, will not create additional O&M commitments.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Construction	09/13 - 09/17	548,407
Design/Engineering	10/13 - 05/17	50,725
Equipment	04/14 - 08/17	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 - Additional Funding Required

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

Comprehensive Plan Information

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

Project Location

District: All Commission Districts
Location: Countywide

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,463,617	100,000	1,363,617	0	0	0	0	0

Definition and Scope

This project is to continue the implementation of the Customer Service Billing System applications purchased in Phase I.

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.

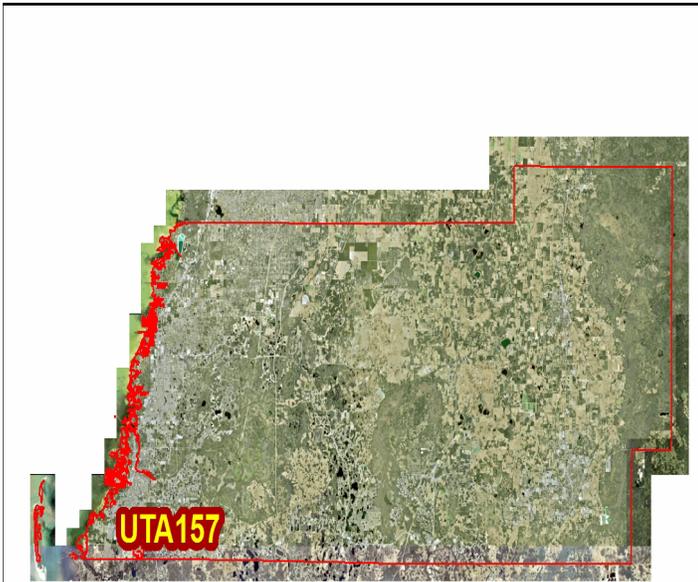
Funding Strategy

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	06/15 - 09/16	1,463,617

Total Budgetary Cost Estimate: 1,463,617

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	100,000
Utilities Capital Improvement Funds	1,363,617

Total Programmed Funding: 1,463,617
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA060 **Title:** Utilities Solid Waste Biosolids Facility **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:** **District:** District 5
LOS/Concurrency: N/A **Project Need:** N/A **Location:** Shady Hills

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
5,500,000	250,000	5,250,000	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

Currently, we are transporting out-of-county biosolids to a very limited market for treatment at a cost of over a million dollars a year. Our disposal options are decreasing and if the County does not become proactive in handling and treating biosolids, the County may be faced with no disposal options and be in violation of the operating permit.

Funding Strategy

This project is funded by the Solid Waste System 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 \$750,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	03/15 - 12/16	250,000
Construction	10/15 - 12/16	5,250,000
Total Budgetary Cost Estimate:		5,500,000

Means of Financing

Funding Source	Amount
Solid Waste System Fund	250,000
Solid Waste System Fund	5,250,000
Total Programmed Funding:	5,500,000
Future Funding Requirements:	0

Pasco County Project Detail

Project: UTA005 | **Title:** Utility Lines Relocation Projects - County & FDOT | **Status:** Existing Project - Additional Funding Required

Category: Utilities Miscellaneous 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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
15,937,147	8,891,682	3,397,666	584,800	750,000	2,212,999	100,000	0

Definition and Scope

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

Rationale

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

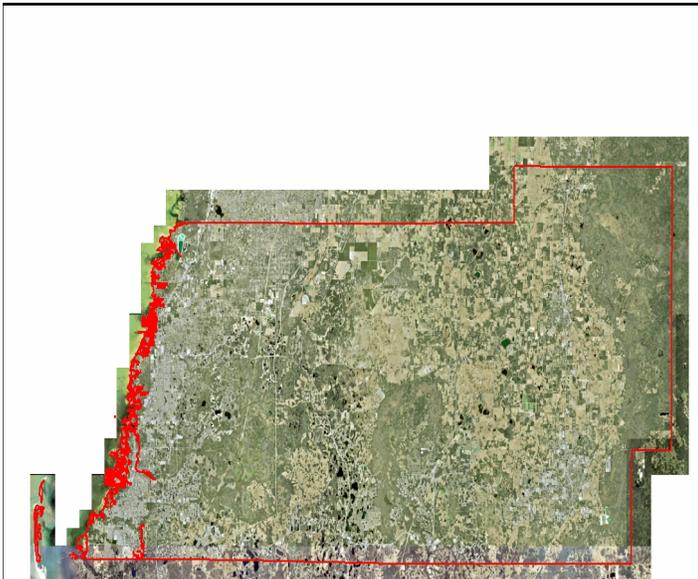
Funding Strategy

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
Construction	09/12 - 09/20	9,746,337
Design/Engineering	09/12 - 09/20	6,190,810

Total Budgetary Cost Estimate: 15,937,147

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	6,739,348
Utilities Capital Improvement Funds	2,152,334
Utilities Renewal and Replacement Funds	4,247,799
Utilities Capital Improvement Funds	2,797,666

Total Programmed Funding: 15,937,147

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA026 | **Title:** Utility Plant Security Improvements | **Status:** Existing Project - Additional Funding Required

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

Comprehensive Plan Information

Project Location

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

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,075,919	475,919	200,000	200,000	200,000	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.

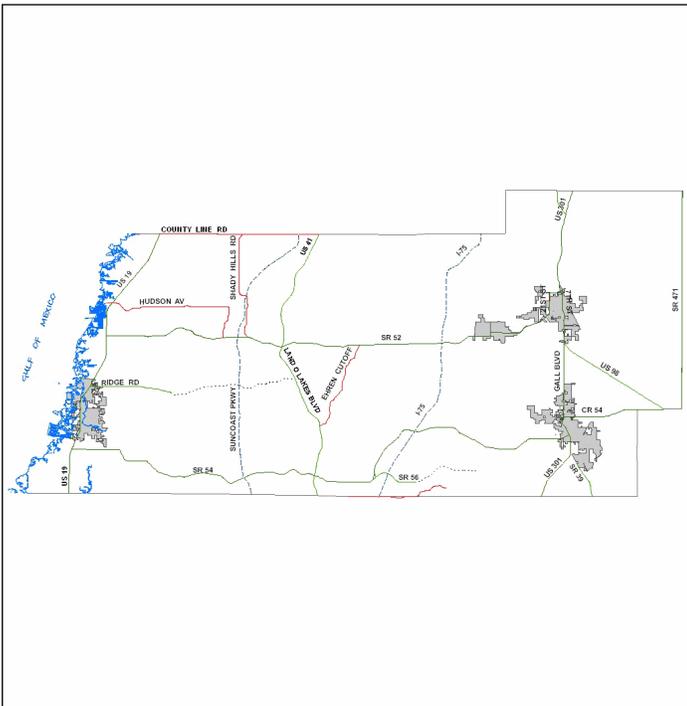
Funding Strategy

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.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/12 - 06/18	80,000
Equipment	11/12 - 09/14	243,357
Construction	11/12 - 06/18	752,562

Total Budgetary Cost Estimate: 1,075,919

Means of Financing

Funding Source	Amount
Utilities Capital Improvement Funds	475,919
Utilities Capital Improvement Funds	600,000

Total Programmed Funding: 1,075,919
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA194 **Title:** Waste to Energy Warehouse **Status:** New Project
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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
1,497,500	0	1,497,500	0	0	0	0	0

Definition and Scope

This project will construct a warehouse behind the County's Waste to Energy Facility for inventory and equipment.

Rationale

With increased regulatory requirements the County's equipment inventory has increased. The warehouse would create ample storage for inventory and equipment currently being housed in areas not intended for warehousing such as on the tipping floor and portable trailers. The current arrangement is creating congestion in the tipping area and is an issue with FDEP inspectors.

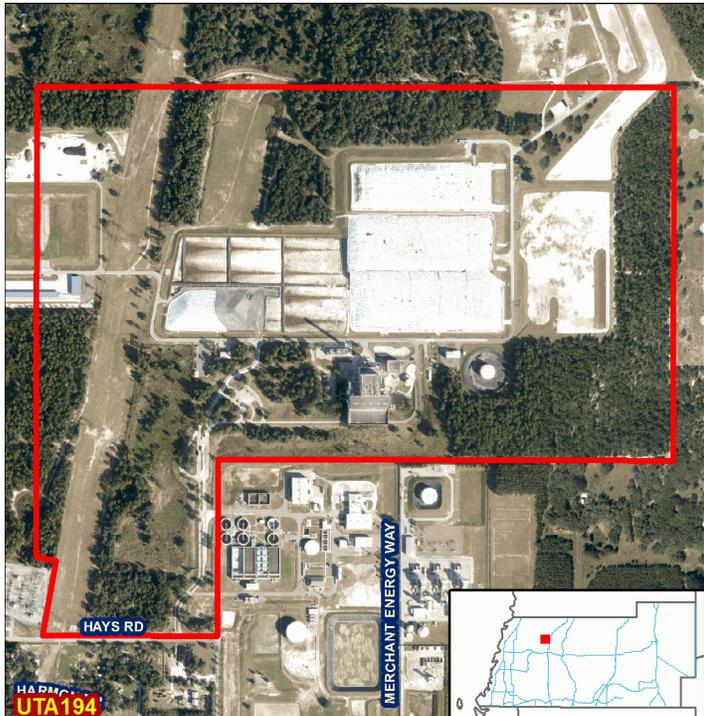
Funding Strategy

This project is funded by Solid Waste System Fund.

Operating Budget Impacts

No operating impact as a private contractor will maintain the building per the contract.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/15 - 09/16	150,000
Construction	02/16 - 09/16	1,347,500
Total Budgetary Cost Estimate:		1,497,500

Means of Financing

Funding Source	Amount	
Solid Waste System Fund	1,497,500	
Total Programmed Funding:		1,497,500
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:** **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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
2,431,259	1,181,259	250,000	250,000	250,000	250,000	250,000	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.

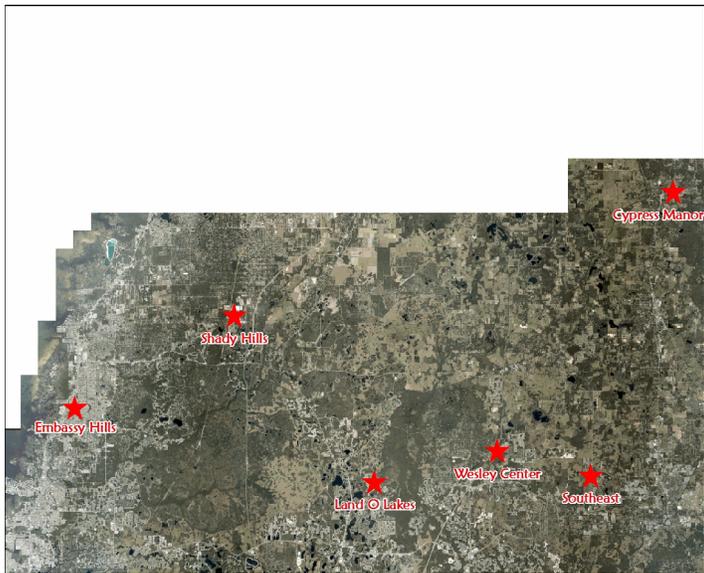
Funding Strategy

This project is funded by Utilities Renewal and Replacement Funds.

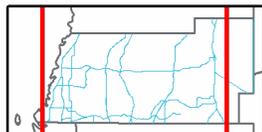
Operating Budget Impacts

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	10/11 - 09/20	2,383,259
Equipment	03/13 - 09/13	48,000

Total Budgetary Cost Estimate: 2,431,259

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	1,181,259
Utilities Renewal and Replacement Funds	1,250,000

Total Programmed Funding: 2,431,259

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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
9,472,308	6,389,308	616,600	616,600	616,600	616,600	616,600	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.

Rationale

Provide for more reliable and serviceable pump stations.

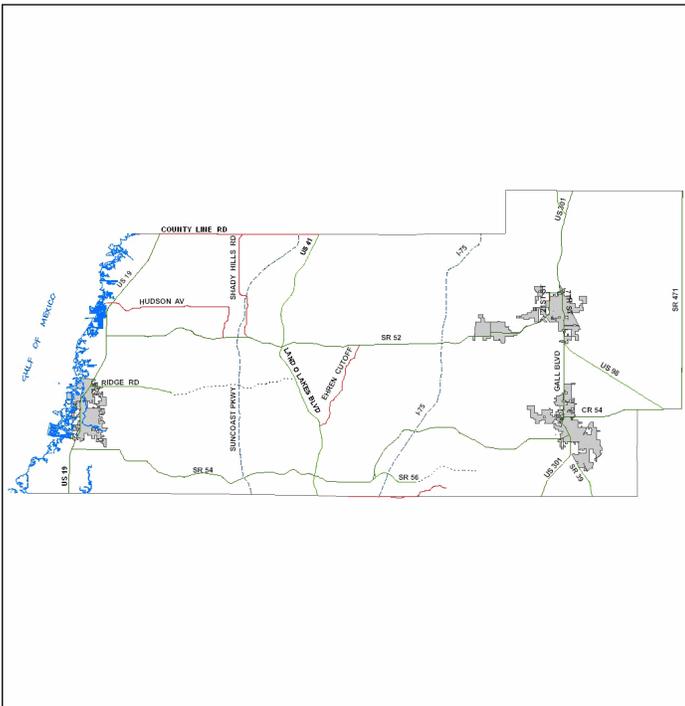
Funding Strategy

This project is funded by a combination of Utilities Capital Improvement Funds, Utilities Renewal and Replacement Funds and the 2009 Water and Sewer Bond Fund.

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	10/10 - 09/14	110,923
Construction	10/10 - 09/20	9,361,385

Total Budgetary Cost Estimate: 9,472,308

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	5,086,192
Utilities Capital Improvement Funds	107,300
2009 Water and Sewer Bond Fund	1,195,816
Utilities Renewal and Replacement Funds	3,083,000

Total Programmed Funding: 9,472,308

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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
611,826	111,826	100,000	100,000	100,000	100,000	100,000	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.

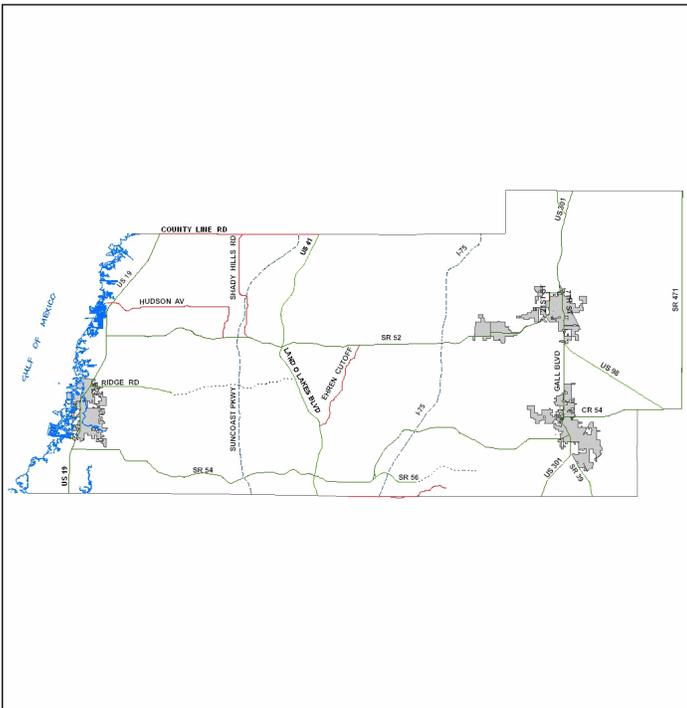
Funding Strategy

This project is funded through a combination of Utilities Renewal and Replacement Funds and 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	10/12 - 09/20	611,826

Total Budgetary Cost Estimate: 611,826

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	41,826
Water Impact Fees	350,000
Water Impact Fees	70,000
Utilities Renewal and Replacement Funds	150,000

Total Programmed Funding: 611,826

Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA162 **Title:** Water Main US 41 from Connerton to Asbel Rd **Status:** Existing Project - No Additional Funding
Category: Water Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

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

Project Location

District: District 2
Location: Land O Lakes

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
300,000	0	300,000	0	0	0	0	0

Definition and Scope

This project provides for the construction of a 30-inch water transmission main between Connerton and Asbel Road.

Rationale

Project is a small segment of water transmission pipe that was omitted from a previous project due to unsuitable site conditions.

Funding Strategy

This project is funded by 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	11/15 - 06/16	30,000
Construction	01/16 - 06/16	270,000

Total Budgetary Cost Estimate: 300,000

Means of Financing

Funding Source	Amount
Water Impact Fees	300,000

Total Programmed Funding: 300,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA192	Title: Waters Edge Residential Reclaimed Transmission Main	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: District 4
LOS/Concurrency: N/A	Project Need: N/A	Location: New Port Richey

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
2,500,000	0	0	400,000	2,100,000	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.

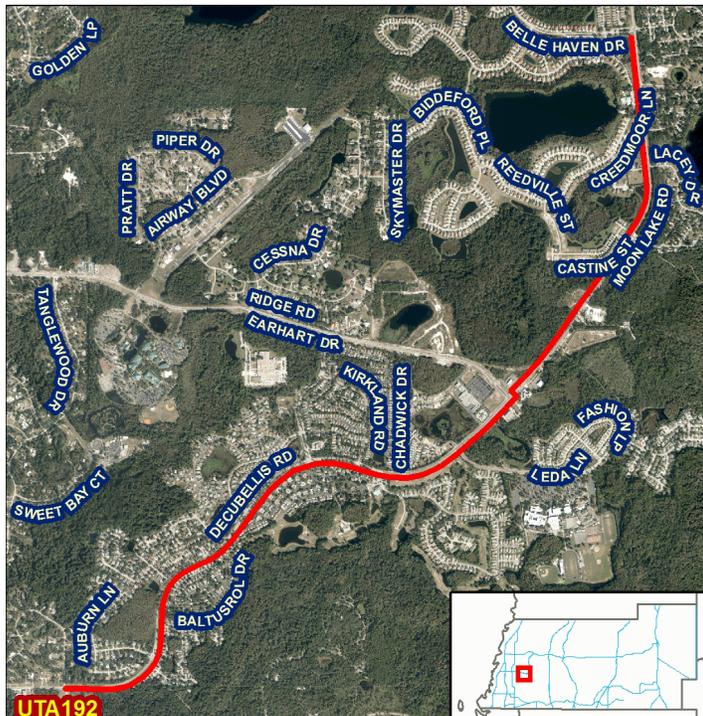
Funding Strategy

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

Operating Budget Impacts

Additional costs due to manpower are estimated at \$3,000 per year.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	08/17 - 12/17	400,000
Construction	10/17 - 12/17	2,100,000
Total Budgetary Cost Estimate:		2,500,000
Means of Financing		
Funding Source	Amount	
Wastewater (Sewer) Impact Fees	2,500,000	
Total Programmed Funding:		2,500,000
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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
300,000	8,000	0	0	292,000	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	11/13 - 03/18	30,000
Construction	10/17 - 03/18	270,000

Total Budgetary Cost Estimate: 300,000

Means of Financing

Funding Source	Amount
Utilities Renewal and Replacement Funds	8,000
Utilities Renewal and Replacement Funds	292,000

Total Programmed Funding: 300,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA091 **Title:** Wesley Center Wastewater Treatment Plant Expansion **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:** District 1
LOS/Concurrency: N/A **Project Need:** N/A **Location:** Wesley Chapel

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
9,500,000	105,000	9,395,000	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.

Rationale

To serve future growth.

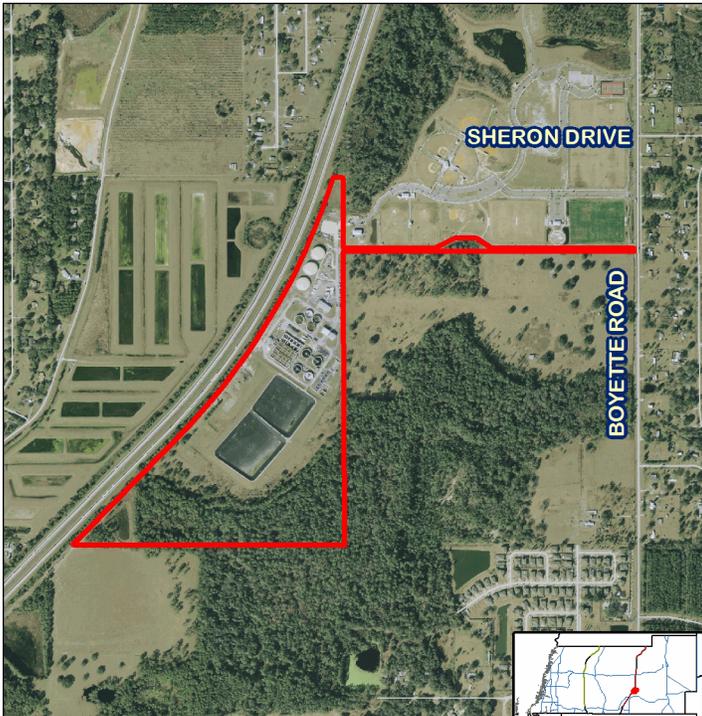
Funding Strategy

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. The full impact of the necessary improvements will be determined at the conclusion of the wastewater treatment plant assessment and expansion feasibility study.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	11/14 - 09/16	950,000
Construction	11/15 - 09/16	8,550,000

Total Budgetary Cost Estimate: 9,500,000

Means of Financing

Funding Source	Amount
2014 Water and Sewer Revenue Bonds	9,500,000

Total Programmed Funding: 9,500,000
Future Funding Requirements: 0

Pasco County Project Detail

Project: UTA147	Title: West Pasco Landfill 5-Million Gallon Crom Tank	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 2016	Non-Appropriated Programmed CIP Funding				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
5,000,000	0	0	500,000	4,500,000	0	0	0

Definition and Scope

Construct a 5 million gallon Crom Tank to store leachate generated from the disposal of ash. This project will accommodate the leachate generated by additional acres added to the system.

Rationale

The system will generate more leachate and require the need of additional storage as we expand the footprint of the Class I Landfill. Not only will the tank handle the leachate from all of the ash cells it will also serve as a diversion for the current tank. It will increase storage capacity from 2 million gallons to 7 million gallons. As the landfill footprint increases, the amount of leachate generated increases as well.

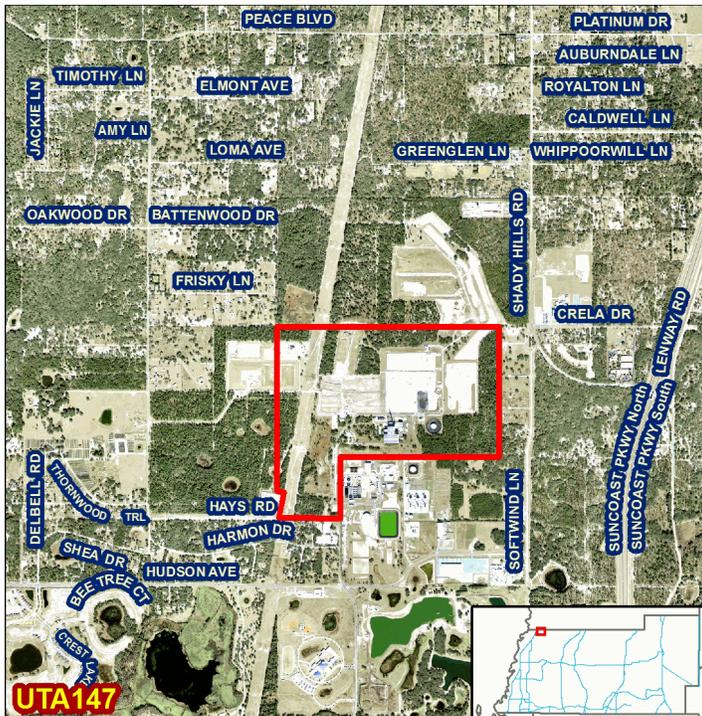
Funding Strategy

This project is funded by Solid Waste System Fund.

Operating Budget Impacts

The tank will require inspection every three (3) years by FDEP operating permit at the cost of approximately \$2,000.00.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	11/16 - 09/18	500,000
Construction	11/17 - 09/18	4,500,000
Total Budgetary Cost Estimate:		5,000,000

Means of Financing

Funding Source	Amount	
Solid Waste System Fund	5,000,000	
Total Programmed Funding:		5,000,000
Future Funding Requirements:		0

Pasco County Project Detail

Project: UTA152	Title: West Pasco Landfill Ash Cell -5	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	District: District 5
LOS/Concurrency: Yes	Project Need: Growth	Location: Spring Hill

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	<i>Non-Appropriated Programmed CIP Funding</i>				Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020	
6,700,000	0	0	0	700,000	6,000,000	0	0

Definition and Scope

This project is to build the additional ash cell A-5.

Rationale

Project is required to meet future growth, and to accommodate the ash which is generated daily by the Waste-to Energy (WTE) Facility.

Funding Strategy

This project is funded by Solid Waste System Fund.

Operating Budget Impacts

No impact to the operational budget.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	04/18 - 09/19	700,000
Construction	10/18 - 09/19	6,000,000
Total Budgetary Cost Estimate:		6,700,000

Means of Financing

Funding Source	Amount	
Solid Waste System Fund	6,700,000	
Total Programmed Funding:		6,700,000
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 2016	Non-Appropriated Programmed CIP Funding					Future Funding
			FY 2017	FY 2018	FY 2019	FY 2020		
8,500,000	0	0	0	0	1,275,000	7,225,000	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 System Fund.

Operating Budget Impacts

No impact.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Design/Engineering	10/18 - 09/20	1,275,000
Construction	01/20 - 09/20	7,225,000
Total Budgetary Cost Estimate:		8,500,000

Means of Financing

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

Pasco County Project Detail

Project: UTA020 **Title:** Zephyrhills Bypass Water Main Extension **Status:** Existing Project - No Additional Funding
Category: Water Projects **Business Center:** Capital **LMS:** N/A

Comprehensive Plan Information

CIE Project: Yes **Plan Reference:** Chapter 10, 1.1. **District:** District 1, District 2
LOS/Concurrency: Yes **Project Need:** Growth **Location:** Zephyrhills

Project Location

Programmed Funding

Total Project Cost	Prior Years	Budgeted FY 2016	Non-Appropriated Programmed CIP Funding				
			FY 2017	FY 2018	FY 2019	FY 2020	Future Funding
7,800,000	0	0	0	0	7,800,000	0	0

Definition and Scope

Provide a water main along the Zephyrhills Bypass West corridor to connect the water transmission system to the existing Southeast Water Treatment Plant.

Rationale

To provide adequate water supply to the Southeast Water Treatment Plant to serve future growth in the southeast Pasco area.

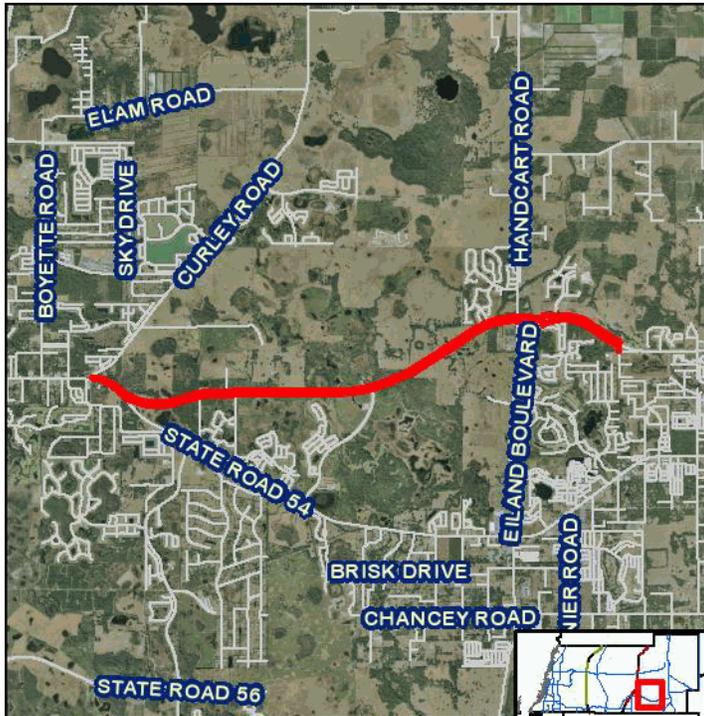
Funding Strategy

This project is funded by 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	10/18 - 09/19	6,000,000
Design/Engineering	10/18 - 09/19	1,800,000
Total Budgetary Cost Estimate:		7,800,000

Means of Financing

Funding Source	Amount	
Water Impact Fees	7,800,000	
Total Programmed Funding:		7,800,000
Future Funding Requirements:		0