

UTILITY SERVICES DEPARTMENT SUMMARY

MISSION STATEMENT:

Provide for the protection of the public's health through the operation and maintenance of publicly owned water and wastewater systems

PROGRAMS AND SERVICES:

ACCOMPLISHMENTS, INITIATIVES, TRENDS AND ISSUES AND SERVICE LEVEL IMPACTS:

Countywide Water and Sewer:

Water Service

- Treat groundwater to meet drinking water standards
- Maintain water distribution system and mechanical equipment
- Test water quality

Wastewater Service

- Collect wastewater and pump to treatment plants
- Maintain equipment and lines
- Test wastewater quality
- Correct aging infrastructure problems with Renewal and Replacement (R & R) projects

Accomplishments:

- Completed the gravity sewer assessment of all 8 to 12 inch pipes in the South Beaches, Merritt Island and Port St. John service areas
- Completed over 20 Capital Improvement Projects
- Expanded South Central Wastewater Treatment Plant is online and completed
- Continue with the assessment of gravity sewers

Initiatives:

- Convert new and existing water meters to radio read technology
- The North Riverside Force Main Replacement Project is underway
- Continue to analyze means and methods to harden the South Beaches collection system
- Move forward with a valve exercise program to insure the ability of these valves to function and recognize valves that need replacement
- Upgrade the Department's C M M S software
- Begin assessment of pipe integrity of force mains

Trends and Issues:

- F D E P is providing more strict guidelines and penalties related to illicit discharges
- Reduce inflow and infiltration in the collection system
- Accomplish work orders in a geographically spread out utility system
- Service rates are set to increase each January based on the annualized C P I – U rate. For the last three years that increase has been 2.1% or 2.2%. Due to the current economic uncertainty, the forecast increase has been reduced to 1.5% for F Y 2021
- Connection fee collections for the current year exceeded the projection for the entire fiscal year in April 2020, connection fee collections are a lagging indicator of economic downturns (construction continues when contracts are already signed), because of current economic uncertainty, for F Y 2021, revenue estimates are based on F Y 2017 collections, which were significantly below the boom years that followed

Service Level Impacts:

Not Applicable

Barefoot Bay Water and Sewer District:

Water Service

- Treat groundwater to meet drinking water standards
- Maintain water distribution system and mechanical equipment
- Test water quality

Wastewater Service

- Collect wastewater and pump to treatment plants
- Maintain equipment and lines
- Test wastewater quality
- Correct aging infrastructure problems with Renewal and Replacement (R & R) projects

Accomplishments:

- Completed air supply project at the Waste Water Treatment Plant
- Performed rehabilitation of 2 water supply wells
- Continue with the assessment of gravity sewer lines

Initiatives:

- Convert new and existing water meters to radio read technology
- Move forward with a valve exercise program to insure the ability these valves to function and recognize those needing replacement
- Upgrade the Department's C M M S software
- Begin assessment of pipe integrity of force mains

Trends and Issues:

- F D E P is providing more strict guidelines and penalties related to illicit discharges
- Reduce inflow and infiltration in the collection system
- Service rates are set to increase each January based on the annualized C P I – U rate, for the last three years that increase has been 2.1% or 2.2%, due to the current economic uncertainty, the forecast increase has been reduced to 1.5% for F Y 2021
- Connection fee collections for the current year exceeded the projection for the entire fiscal year in April 2020. Connection fee collections are a lagging indicator of economic downturns (construction continues when contracts are already signed), because of current economic uncertainty, for F Y 2021, revenue estimates are based on F Y 2017 collections, which were significantly below the boom years that followed

Service Level Impacts:

Not Applicable

UTILITY SERVICES DEPARTMENT: SUMMARY

Utility Services Department Revenue & Expense Category	Actual F Y 2018-2019	Final Budget F Y 2019-2020	Adopted Budget F Y 2020-2021	Difference	% Change
Taxes Revenue	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Special Assessment Revenue	\$3,455,639	\$3,159,173	\$2,164,288	-\$994,885	-31.49%
Intergovernmental Revenue	\$265,744	\$0	\$0	\$0	0.00%
Charges for Services Revenue	\$41,654,818	\$44,887,571	\$45,586,594	\$699,023	1.56%
Fines and Forfeits Revenue	\$0	\$0	\$0	\$0	0.00%
Miscellaneous Revenue	\$1,198,900	\$664,965	\$725,533	\$60,568	9.11%
Statutory Reduction	\$0	-\$2,435,586	-\$2,423,820	\$11,766	-0.48%
Total Operating Revenues	\$46,575,102	\$46,276,123	\$46,052,595	-\$223,528	-0.48%
Balance Forward Revenue	\$47,276,099	\$52,091,515	\$54,973,740	\$2,882,225	5.53%
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other Revenue	\$0	\$0	\$0	\$0	0.00%
Other Finance Source Revenue	\$4,680,135	\$12,109,542	\$3,900,000	-\$8,209,542	-67.79%
Total Non-Operating Revenues	\$51,956,234	\$64,201,057	\$58,873,740	-\$5,327,317	-8.30%
TOTAL REVENUES	\$98,531,336	\$110,477,180	\$104,926,335	-\$5,550,845	-5.02%
Compensation and Benefits Expense	\$10,081,470	\$12,083,057	\$13,034,618	\$951,561	7.88%
Operating Expense	\$12,354,301	\$17,013,393	\$16,424,037	-\$589,356	-3.46%
Capital Outlay Expense	\$2,000,841	\$3,372,872	\$3,434,800	\$61,928	1.84%
Operating Expenditures	\$24,436,611	\$32,469,322	\$32,893,455	\$424,133	1.31%
C I P Expense	\$18,027,413	\$51,207,764	\$38,930,000	\$12,277,764	-23.98%
Debt Service Expense	\$2,287,256	\$3,733,846	\$4,717,497	\$983,651	26.34%
Reserves-Operating Expense	\$0	\$6,911,759	\$8,332,321	\$1,420,562	20.55%
Reserves - Capital Expense	\$0	\$13,453,817	\$15,157,739	\$1,703,922	12.66%
Reserves - Restricted Expense	\$0	\$1,042,018	\$3,208,603	\$2,166,585	207.92%
Grants and Aid Expense	\$0	\$0	\$33,104	\$33,104	0.00%

Utility Services Department Revenue & Expense Category	Actual F Y 2018- 2019	Final Budget F Y 2019- 2020	Adopted Budget F Y 2020- 2021	Difference	% Change
Transfers Expense	\$1,665,103	\$1,658,654	\$1,653,616	-\$5,038	-0.30%
<i>Total Non-Operating Expenses</i>	\$21,979,772	\$78,007,858	\$72,032,880	-\$5,974,978	-7.66%
<i>TOTAL EXPENDITURES</i>	\$46,416,384	\$110,477,180	\$104,926,335	-\$5,550,845	-5.02%

UTILITY SERVICES DEPARTMENT: COUNTY WATER AND WASTEWATER

County Water and Wastewater Program Revenue & Expense Category	Actual F Y 2018-2019	Final Budget F Y 2019-2020	Adopted Budget F Y 2020-2021	Difference	% Change
Taxes Revenue	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Special Assessments Revenue	\$3,430,717	\$3,145,943	\$2,142,145	-\$1,003,798	-31.91%
Intergovernmental Revenue	\$235,050	\$0	\$0	\$0	0.00%
Charges for Services Revenue	\$37,507,425	\$40,629,888	\$41,055,668	\$425,780	1.05%
Fines and Forfeits Revenue	\$0	\$0	\$0	\$0	0.00%
Miscellaneous Revenue	\$1,100,513	\$611,153	\$642,333	\$31,180	5.10%
Statutory Reduction	\$0	-\$2,219,349	-\$2,192,007	\$27,342	-1.23%
Total Operating Revenues	\$42,273,705	\$42,167,635	\$41,648,139	-\$519,496	-1.23%
Balance Forward Revenue	\$43,839,903	\$49,025,388	\$51,887,532	\$2,862,144	5.84%
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other Revenue	\$0	\$0	\$0	\$0	0.00%
Other Finance Source Revenue	\$4,680,135	\$12,109,542	\$3,900,000	-\$8,209,542	-67.79%
Non-Operating Revenues	\$48,520,038	\$61,134,930	\$55,787,532	-\$5,347,398	-8.75%
TOTAL REVENUES	\$90,793,743	\$103,302,565	\$97,435,671	-\$5,866,894	-5.68%
Compensation and Benefits Expense	\$9,167,511	\$11,101,745	\$12,008,575	\$906,830	8.17%
Operating Expense	\$11,247,477	\$15,335,226	\$14,915,310	-\$419,916	-2.74%
Capital Outlay Expense	\$1,989,141	\$2,998,872	\$3,071,800	\$72,928	2.43%
Operating Expenses	\$22,404,129	\$29,435,843	\$29,995,685	\$559,842	1.90%
C I P Expense	\$16,411,333	\$50,092,716	\$37,794,000	\$12,298,716	-24.55%
Debt Service Expense	\$1,469,065	\$2,650,437	\$3,639,218	\$988,781	37.31%
Reserves-Operating Expense	\$0	\$6,269,731	\$7,369,731	\$1,100,000	17.54%
Reserves - Capital Expense	\$0	\$13,176,227	\$14,797,674	\$1,621,447	12.31%
Reserves - Restricted Expense	\$0	\$122,886	\$2,289,471	\$2,166,585	1763.09%
Grants and Aid Expense	\$0	\$0	\$0	\$0	0.00%

County Water and Wastewater Program Revenue & Expense Category	Actual F Y 2018-2019	Final Budget F Y 2019-2020	Adopted Budget F Y 2020-2021	Difference	% Change
Transfers Expense	\$1,556,362	\$1,554,725	\$1,549,892	-\$4,833	-0.31%
<i>Non-Operating Expenses</i>	\$19,436,759	\$73,866,722	\$67,439,986	-\$6,426,736	-8.70%
<i>TOTAL EXPENSES</i>	\$41,840,888	\$103,302,565	\$97,435,671	-\$5,866,894	-5.68%

COUNTY WATER AND WASTEWATER: BUDGET VARIANCES

County Water and Wastewater Program Revenue and Expense Category	Variance	% Variance	Explanation
Taxes Revenue	\$0	0.00%	
Permits, Fees & Special Assessments Revenue	-\$1,003,798	-31.91%	Development related revenue is conservatively estimated due to future economic uncertainty
Intergovernmental Revenue	\$0	0.00%	
Charges for Services Revenue	\$425,780	1.05%	Increase is due to annualization of the mid year rate increase in F Y 2020, a small (1.5%) increase in the C P I index in F Y 2021, and recognizes additional revenue from new customers brought onto the system during F Y 2020
Fines and Forfeits Revenue	\$0	0.00%	
Miscellaneous Revenue	\$31,180	5.10%	Increase is due to increased interest revenue
Statutory Reduction	\$27,342	-1.23%	Corresponds to change in Operating Revenue
Balance Forward Revenue	\$2,862,144	5.84%	Increase is due to the anticipated status of projects and capital purchases at the end of F Y 2020
Transfers - General Revenue	\$0	0.00%	
Transfers - Other Revenue	\$0	0.00%	
Other Finance Source Revenue	-\$8,209,542	-67.79%	Decrease is due to the completion of the South Central Plant Expansion project and partial completion of the Riverside Force Main Replacement project
Compensation and Benefits Expense	\$906,830	8.17%	Increase is due to the budgeted 2% pay increase and 7 new positions budgeted for the new year
Operating Expense	-\$419,916	-2.74%	Decrease is due to decreased one time operational costs
Capital Outlay Expense	\$72,928	2.43%	Increase is due to current equipment needs and the delayed delivery of large equipment originally anticipated to be received in F Y 2020
Grants and Aid Expense	\$0	0.00%	

County Water and Wastewater Program Revenue and Expense Category	Variance	% Variance	Explanation
C I P Expense	- \$12,298,716	-24.55%	Decrease is due to the completion of the South Central Plant Expansion project, partial completion of the Riverside Force Main Replacement project and the completion of other large projects in the prior year
Debt Service Expense	\$988,781	37.31%	Increase is due to a full year of debt service payments for the South Central Plant expansion S R F loan
Reserves-Operating Expense	\$1,100,000	17.54%	Increase is due to an increase in cash flow reserves for unexpected expenses
Reserves - Capital Expense	\$1,621,447	12.31%	Increase is due to future project requirements
Reserves - Restricted Expense	\$2,166,585	1763.09%	Increase is due to the allocation of connection fee revenue to debt service reserves for the South Central Plant Expansion project
Transfers Expense	-\$4,833	-0.31%	Decrease is due to a decrease in Payment in Lieu of Taxes charges

UTILITY SERVICES: BAREFOOT BAY WATER AND WASTEWATER

Barefoot Bay Water and Wastewater Program Revenue & Expense Category	Actual F Y 2018-2019	Final Budget F Y 2019-2020	Adopted Budget F Y 2020-2021	Difference	% Change
Taxes Revenue	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Special Assessments Revenue	\$24,922	\$13,230	\$22,143	\$8,913	67.37%
Intergovernmental Revenue	\$30,694	\$0	\$0	\$0	0.00%
Charges for Services Revenue	\$4,147,394	\$4,257,683	\$4,530,926	\$273,243	6.42%
Fines and Forfeits Revenue	\$0	\$0	\$0	\$0	0.00%
Miscellaneous Revenue	\$98,388	\$53,812	\$83,200	\$29,388	54.61%
Statutory Reduction	\$0	-\$216,237	-\$231,813	-\$15,576	7.20%
Total Operating Revenues	\$4,301,397	\$4,108,488	\$4,404,456	\$295,968	7.20%
Balance Forward Revenue	\$3,436,196	\$3,066,127	\$3,086,208	\$20,081	0.65%
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other Revenue	\$0	\$0	\$0	\$0	0.00%
Other Finance Source Revenue	\$0	\$0	\$0	\$0	0.00%
Non-Operating Revenues	\$3,436,196	\$3,066,127	\$3,086,208	\$20,081	0.65%
TOTAL REVENUES	\$7,737,593	\$7,174,615	\$7,490,664	\$316,049	4.41%
Compensation and Benefits Expense	\$913,959	\$981,312	\$1,026,043	\$44,731	4.56%
Operating Expense	\$1,106,824	\$1,678,167	\$1,508,727	-\$169,440	-10.10%
Capital Outlay Expense	\$11,700	\$374,000	\$363,000	-\$11,000	-2.94%
Operating Expenses	\$2,032,482	\$3,033,479	\$2,897,770	-\$135,709	-4.47%
C I P Expense	\$1,616,081	\$1,115,048	\$1,136,000	\$20,952	1.88%
Debt Service Expense	\$818,191	\$1,083,409	\$1,078,279	-\$5,130	-0.47%
Reserves-Operating Expense	\$0	\$642,028	\$962,590	\$320,562	49.93%
Reserves - Capital Expense	\$0	\$277,590	\$360,065	\$82,475	29.71%
Reserves - Restricted Expense	\$0	\$919,132	\$919,132	\$0	0.00%
Grants and Aid Expense	\$0	\$0	\$33,104	\$33,104	0.00%
Transfers Expense	\$108,741	\$103,929	\$103,724	-\$205	-0.20%
Non-Operating Expenses	\$2,543,013	\$4,141,136	\$4,592,894	\$451,758	10.91%

Barefoot Bay Water and Wastewater Program Revenue & Expense Category	Actual F Y 2018-2019	Final Budget F Y 2019-2020	Adopted Budget F Y 2020-2021	Difference	% Change
<i>TOTAL EXPENSES</i>	\$4,575,495	\$7,174,615	\$7,490,664	\$316,049	4.41%

BAREFOOT BAY WATER AND WASTEWATER: BUDGET VARIANCES

Barefoot Bay Water and Wastewater Program Revenue and Expense Category	Variance	% Variance	Explanation
Taxes Revenue	\$0	0.00%	
Permits, Fees & Special Assessments Revenue	\$8,913	67.37%	Increase is due to anticipated connections from new customers in system expansion areas
Intergovernmental Revenue	\$0	0.00%	
Charges for Services Revenue	\$273,243	6.42%	Increase is due to annualization of the mid year rate increase in F Y 2020, a small (1.5%) increase in the C P I index in F Y 2021, and recognizes additional revenue from new customers brought onto the system during F Y 2020
Fines and Forfeits Revenue	\$0	0.00%	
Miscellaneous Revenue	\$29,388	54.61%	Increase is due to increased interest revenue
Statutory Reduction	-\$15,576	7.20%	Corresponds to change in Operating Revenue
Balance Forward Revenue	\$20,081	0.65%	Increase is due to the anticipated status of projects and capital purchases at the end of F Y 2020
Transfers - General Revenue	\$0	0.00%	
Transfers - Other Revenue	\$0	0.00%	
Other Finance Source Revenue	\$0	0.00%	
Compensation and Benefits Expense	\$44,731	4.56%	Increase is due to the budgeted 2% pay increase
Operating Expense	-\$169,440	-10.10%	Decrease is due to the completion of operational projects in the prior year
Capital Outlay Expense	-\$11,000	-2.94%	Decrease is due to the anticipated equipment replacement needs
Grants and Aid Expense	\$33,104	0.00%	Increase is due to the allocation of funds for a force main expansion project partially funded by Barefoot Bay Water and Sewer

Barefoot Bay Water and Wastewater Program Revenue and Expense Category	Variance	% Variance	Explanation
C I P Expense	\$20,952	1.88%	Increase is due to capital improvement projects funded in F Y 2021
Debt Service Expense	-\$5,130	-0.47%	Decrease is due to variations in bond debt service schedules
Reserves-Operating Expense	\$320,562	49.93%	Increase is due to an increase in cash flow reserves for future unexpected expenses
Reserves - Capital Expense	\$82,475	29.71%	Increase is due to the completion of F Y 2020 projects under budget
Reserves - Restricted Expense	\$0	0.00%	
Transfers Expense	-\$205	-0.20%	Decrease is due to a decrease in Payment in Lieu of Taxes charges

UTILITY SERVICES DEPARTMENT

PROGRAM	OBJECTIVE	MEASURE	ACTUAL FY 2018- 2019	ESTIMATED FY 2019-2020	PROJECTED FY 2020-2021
County Water and Wastewater	Perform unaccounted for water analysis	No greater than 10% loss per American Water Works Association standards	N / A	N / A	19.9%
County Water and Wastewater	Perform gravity sewer line assessment	Miles of gravity sewer assessed	116,108	38.28	65
County Water and Wastewater	Gravity Sewer Lining	Linear feet of gravity sewer lined	76,088	43,071	16,109
County Water and Wastewater	Customers use reclaimed water	Millions of gallons	2,406	2,415	2,430
Barefoot Bay	Perform unaccounted for water analysis	No greater than 10% loss per American Water Works Association standards	10.8%	9.6%	9.4%
Barefoot Bay	Perform gravity sewer line assessment	Miles of gravity sewer assessed	22.77	20	20
Barefoot Bay	Gravity Sewer Lining	Linear feet of gravity sewer lined	2,963	4,271	6,000

**UTILITY SERVICES DEPARTMENT
FISCAL YEAR 2020-2021 TRAVEL A&B SUMMARY**

Program Name	Description	Position	Destination	Funding Source	Total Cost
County Water and Wastewater	Florida Water Resources Conference (F W R C) (10)	Engineers	Gaylord Palms - Kissimmee	Charges for Services	\$4,700
County Water and Wastewater	F S A W W A Annual Conference	Operations Manager, Area Superintendent and Environmental & Safety Coordinator (16 total)	Orlando, FL	Charges for Services	\$2,776
Total Funded For Department					\$7,476

**UTILITY SERVICES DEPARTMENT
FISCAL YEAR 2020-2021 CAPITAL OUTLAY SUMMARY**

Program Name	Description	Quantity	Unit Cost	Funding Source	Total Cost
County Water and Wastewater	Admin: V G C - Truck - 4X4 SUV	1	\$27,000	User Fees	\$27,000
County Water and Wastewater	21 computer replacement including 8 SCADA workstations	1	\$26,100	User Fees	\$26,100
County Water and Wastewater	Mims: Aqua tap/ Watermain Tapping	1	\$5,000	User Fees	\$5,000
County Water and Wastewater	Mims: Neptune Mach 10 Ultrasonic MT.	1	\$25,000	User Fees	\$25,000
County Water and Wastewater	Mims: Truck - 3/4 Ton Pick Up	1	\$40,000	User Fees	\$40,000
County Water and Wastewater	Mims: Truck - Utility With Crane	1	\$40,000	User Fees	\$40,000
County Water and Wastewater	Mims: Control Room Workstations	3	\$2,000	User Fees	\$6,000
County Water and Wastewater	Mims: Water Plant Lime Slurry Hose Pump	1	\$17,000	User Fees	\$17,000
County Water and Wastewater	Mims: Crane - Lift Moore 4000	1	\$15,000	User Fees	\$15,000
County Water and Wastewater	North Brevard: N-10 Generator	1	\$175,000	User Fees	\$175,000
County Water and Wastewater	Port Saint John: Truck - 3/4 Ton Pick Up	1	\$40,000	User Fees	\$40,000
County Water and Wastewater	South Beaches: 100 KW Portable Load Bank	1	\$8,500	User Fees	\$8,500
County Water and Wastewater	South Beaches: 80 KW Towable Generators (4)	4	\$87,500	User Fees	\$350,000

Program Name	Description	Quantity	Unit Cost	Funding Source	Total Cost
County Water and Wastewater	South Beaches: B07 Generator	1	\$175,000	User Fees	\$175,000
County Water and Wastewater	South Beaches: Caterpillar Attachments for Articulated Loader	1	\$7,000	User Fees	\$7,000
County Water and Wastewater	South Beaches: Deep Cutting Street Saw	1	\$10,000	User Fees	\$10,000
County Water and Wastewater	South Beaches: Dehumidifier	1	\$6,000	User Fees	\$6,000
County Water and Wastewater	South Beaches: Dynatel Marker Locator	1	\$10,000	User Fees	\$10,000
County Water and Wastewater	South Beaches: Garage Door Opener	1	\$15,000	User Fees	\$15,000
County Water and Wastewater	South Beaches: Isco Sampler	1	\$7,500	User Fees	\$7,500
County Water and Wastewater	South Beaches: Lift Station S-06 Generator	1	\$80,000	User Fees	\$80,000
County Water and Wastewater	South Beaches: Light Tower	1	\$10,000	User Fees	\$10,000
County Water and Wastewater	South Beaches: Message Boards (2)	2	\$20,000	User Fees	\$40,000
County Water and Wastewater	South Beaches: Miller Matic 255 Mig Welders (2)	2	\$5,000	User Fees	\$10,000
County Water and Wastewater	South Beaches: MOT Trailer	1	\$5,000	User Fees	\$5,000
County Water and Wastewater	South Beaches: Three Phase Power Quality Analyzer	1	\$5,000	User Fees	\$5,000
County Water and Wastewater	South Beaches: Truck - 3/4 Ton Double Cab 4X4	1	\$40,000	User Fees	\$40,000

Program Name	Description	Quantity	Unit Cost	Funding Source	Total Cost
County Water and Wastewater	South Beaches: Truck - 3/4 Ton Double Cab 4X4	1	\$50,000	User Fees	\$50,000
County Water and Wastewater	South Beaches: Truck - 550 Crew Cab 4X4 With Crane	1	\$110,000	User Fees	\$110,000
County Water and Wastewater	South Beaches: Ultra Sonic Level Measurement (SLX-130)	1	\$10,000	User Fees	\$10,000
County Water and Wastewater	South Beaches: Wellpoint Pump	1	\$65,000	User Fees	\$65,000
County Water and Wastewater	South Beaches: Wellpoint Trailer	1	\$7,000	User Fees	\$7,000
County Water and Wastewater	South Beaches: Fluke 4-20 ma Clamp On Meter	1	\$1,500	User Fees	\$1,500
County Water and Wastewater	South Central: 25 Ton Air Operated Press	1	\$7,000	User Fees	\$7,000
County Water and Wastewater	South Central: Back Hoe	1	\$130,000	User Fees	\$130,000
County Water and Wastewater	South Central: Line Locator	1	\$10,000	User Fees	\$10,000
County Water and Wastewater	South Central: Tracked Skid Steer Loader	1	\$68,000	User Fees	\$68,000
County Water and Wastewater	South Central: Truck - CCTV	1	\$300,000	User Fees	\$300,000
County Water and Wastewater	South Central: T-09 Generator	1	\$175,000	User Fees	\$175,000
County Water and Wastewater	South Central: Truck- 3/4 Ton 4X4 Pickup	1	\$30,000	User Fees	\$38,000
County Water and Wastewater	Sykes: Enclosed 6" bypass pump	1	\$90,000	User Fees	\$90,000

Program Name	Description	Quantity	Unit Cost	Funding Source	Total Cost
County Water and Wastewater	Sykes: Broom/ sweeper attachment for Bobcat	1	\$10,000	User Fees	\$10,000
County Water and Wastewater	Sykes: Load Bank Tester	1	\$45,000	User Fees	\$45,000
County Water and Wastewater	Sykes: Riding Lawn Mower	1	\$15,000	User Fees	\$15,000
County Water and Wastewater	Sykes: Enclosed 4" bypass pumps (3)	3	\$33,333	User Fees	\$100,000
County Water and Wastewater	Sykes: Truck - 1 Ton Pick Up	1	\$50,000	User Fees	\$50,000
County Water and Wastewater	Sykes: Truck - 3/4 Ton Pick Up	1	\$30,000	User Fees	\$30,000
County Water and Wastewater	Sykes: Van - Passenger	1	\$30,000	User Fees	\$30,000
County Water and Wastewater	Lab: IDEXX Sealer Plus for Colilert 18 and service care package	1	\$5,200	User Fees	\$5,200
County Water and Wastewater	Lab: Ice Machine	1	\$2,500	User Fees	\$2,500
County Water and Wastewater	South Beaches: B03 Generator	1	\$175,000	User Fees	\$175,000
County Water and Wastewater	South Beaches: Trailer Mounted Godwin Bypass Pump	1	\$100,000	User Fees	\$100,000
County Water and Wastewater	South Beaches: Truck- 3/4 Ton Double Cab 4X4 w/ lift gate	1	\$42,500	User Fees	\$42,500
County Water and Wastewater	South Beaches: Truck 1/2 Ton Double Cab 4X4	1	\$35,000	User Fees	\$35,000
County Water and Wastewater	South Central: T-03 Generator	1	\$175,000	User Fees	\$175,000

Program Name	Description	Quantity	Unit Cost	Funding Source	Total Cost
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: 48" Mower	1	\$9,000	User Fees	\$9,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: 80 KW Towable Portable Generators (2)	2	\$44,000	User Fees	\$88,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: Disc Tiller	1	\$5,000	User Fees	\$5,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: GPR (Ground Penetrating Radar)	1	\$17,000	User Fees	\$17,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: Lift Station X-01 Generator	1	\$175,000	User Fees	\$175,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: Truck - 3/4 Ton Double Cab 4X4 Service Truck	1	\$65,000	User Fees	\$65,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: Ultra Sonic Level Measurement (SLX-130)	1	\$4,000	User Fees	\$4,000
Total Funded For Department					\$3,434,800

Special Note:

In accordance with Brevard County Board of County Commissioners' Policy BCC-24, Procurement, this form satisfies Directive III. E. 4., requiring a detailed list of approved capital outlay items and equipment to be reviewed and approved by the Board during the Budget process.

**UTILITY SERVICES DEPARTMENT
FISCAL YEAR 2020-2021 CAPITAL IMPROVEMENTS PROGRAM**

Program Name	Description	Funding Source	Total Cost
County Water and Wastewater	Mims: Water Main Replacement (Asbestos Cement) Phase 1 - 7	Charges For Services	\$1,702,000
County Water and Wastewater	Mims: Water Treatment Plant Additional Wells	Charges For Services	\$1,700,000
County Water and Wastewater	North Brevard: Filter Gallery Valve Replacement	Charges For Services	\$380,000
County Water and Wastewater	North Brevard: Lift Stations	Charges For Services	\$275,000
County Water and Wastewater	North Brevard: Wastewater Treatment Plant Aerator Work	Charges For Services	\$75,000
County Water and Wastewater	North Brevard: Wastewater Treatment Plant Dumping Bed	Charges For Services	\$500,000
County Water and Wastewater	North Brevard: Inflow and Infiltration	Charges For Services	\$100,000
County Water and Wastewater	Port Saint John: Chlorine Storage And Feeder System	Charges For Services	\$100,000
County Water and Wastewater	Port Saint John: Inflow and Infiltration	Charges For Services	\$275,000
County Water and Wastewater	Port Saint John: Lift Stations	Charges For Services	\$500,000
County Water and Wastewater	Port Saint John: Pave Plant Access Road	Charges For Services	\$467,000
County Water and Wastewater	South Beaches: Equalization Basin Improvements	Charges For Services	\$393,000
County Water and Wastewater	South Beaches: Grit Washer System Improvements	Charges For Services	\$120,000

Program Name	Description	Funding Source	Total Cost
County Water and Wastewater	South Beaches: Inflow and Infiltration	Charges For Services	\$300,000
County Water and Wastewater	South Beaches: Lift Stations	Charges For Services	\$1,500,000
County Water and Wastewater	South Beaches: North Riverside Force Main Improvements - B20 30" Force Main - Design & const. mgmt. only in FY21	Connection Fees/SRF Loan	\$4,100,000
County Water and Wastewater	South Beaches: Replace Wastewater Treatment Plant 6 M G D Ras Pumps And Motors	Charges For Services	\$90,000
County Water and Wastewater	South Beaches: Sodium Bisulfite Dichlorination System	Charges For Services	\$45,000
County Water and Wastewater	South Beaches: Wastewater Treatment Facility Blower Improvements	Charges For Services	\$150,000
County Water and Wastewater	South Beaches: Wastewater Treatment Facility Reclaimed Water Improvements	Charges For Services	\$100,000
County Water and Wastewater	South Central: Alum Tank Replacement	Charges For Services	\$75,000
County Water and Wastewater	South Central: Bay tree Pressure Sustaining Valve Replacement	Charges For Services	\$115,000
County Water and Wastewater	South Central: Belt Press Controls And Replace VFD'S	Charges For Services	\$400,000
County Water and Wastewater	South Central: Clarifier Rehabilitation	Charges For Services	\$660,000
County Water and Wastewater	South Central: Drainage Improvements	Charges For Services	\$60,000
County Water and Wastewater	South Central: IRCC Pressure Standing Valve Replacement	Charges For Services	\$80,000

Program Name	Description	Funding Source	Total Cost
County Water and Wastewater	South Central: Inflow and Infiltration	Charges For Services	\$600,000
County Water and Wastewater	South Central: Lift Stations includes T27 generator	Charges For Services	\$1,175,000
County Water and Wastewater	South Central: Reclaimed Water Flow Meter	Charges For Services	\$75,000
County Water and Wastewater	South Central: Records Storage Driveway	Charges For Services	\$60,000
County Water and Wastewater	South Central: Replace Liquid Chlorine Tanks And Chlorine Pump System	Charges For Services	\$225,000
County Water and Wastewater	South Central: Reuse System Optimization Improvements	Charges For Services	\$1,325,000
County Water and Wastewater	South Central: Septage And Grease Facility	Connection Fees	\$700,000
County Water and Wastewater	South Central: Suntree Booster Station Rehabilitation	Charges For Services	\$1,177,000
County Water and Wastewater	South Central: Valve Replacements	Charges For Services	\$400,000
County Water and Wastewater	South Central: Viera Force Main Extension	Connection Fees	\$250,000
County Water and Wastewater	South Central: Viera Wetlands - Improvements To Existing Pump Station and Effluent Electrical	Charges For Services	\$475,000
County Water and Wastewater	South Central: Water Treatment Plant Replace Was And Ras Pump Controls	Charges For Services	\$650,000
County Water and Wastewater	Sykes: C03 Force Main Replacement	Charges For Services	\$174,000
County Water and Wastewater	Sykes: Clarifier Rehabilitation	Charges For Services	\$660,000

Program Name	Description	Funding Source	Total Cost
County Water and Wastewater	Sykes: F02 Force Main Replacement	Charges For Services	\$80,000
County Water and Wastewater	Sykes: Inflow and Infiltration	Charges For Services	\$300,000
County Water and Wastewater	Sykes: North Courtenay Pkwy Forcemain/Reclaimed Water Line Extension Phase 3	Connection Fees	\$1,700,000
County Water and Wastewater	Sykes: Reclaimed Water Improvements - Phase 1	Charges For Services	\$1,315,000
County Water and Wastewater	Sykes: Replacement Of Sykes W W T P Generators & Upgrade Electrical System	Charges For Services	\$1,391,000
County Water and Wastewater	Sykes: Sea Ray Bridge FM	Charges For Services	\$490,000
County Water and Wastewater	Sykes: Sykes Creek Parkway Force Main Replacement	Charges For Services	\$1,290,000
County Water and Wastewater	Sykes: Waste Water Treatment Plant Headworks	Charges For Services	\$4,700,000
County Water and Wastewater	Sykes: Lift Stations	Charges For Services	\$3,565,000
County Water and Wastewater	Sykes: Lift Stations - Land	Charges For Services	\$600,000
County Water and Wastewater	West Cocoa: West Cocoa Sewer Improvement - Phase 1	Charges For Services	\$150,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: Inflow and Infiltration	Charges For Services	\$175,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: Lift Stations	Charges For Services	\$200,000
Barefoot Bay Water and Wastewater	Barefoot Bay Wastewater: Treatment Plant Equalization Basin Improvements	Charges For Services	\$166,000

Program Name	Description	Funding Source	Total Cost
Barefoot Bay Water and Wastewater	Barefoot Bay Water: Chlorine & Ammonia Feed Systems At The Booster Pump Station And Soft Starters Installation	Charges For Services	\$595,000
Total Funded For Department			\$38,925,000

**UTILITY SERVICES DEPARTMENT
FISCAL YEAR 2020-2021 CAPITAL IMPROVEMENTS PROGRAM**

Program Name	Description	Funding Source	Total Cost
County Water and Wastewater	West Cocoa Sewer Improvements (applied for SRF)	Unfunded	\$3,102,900
Total Unfunded For Department			\$3,102,900