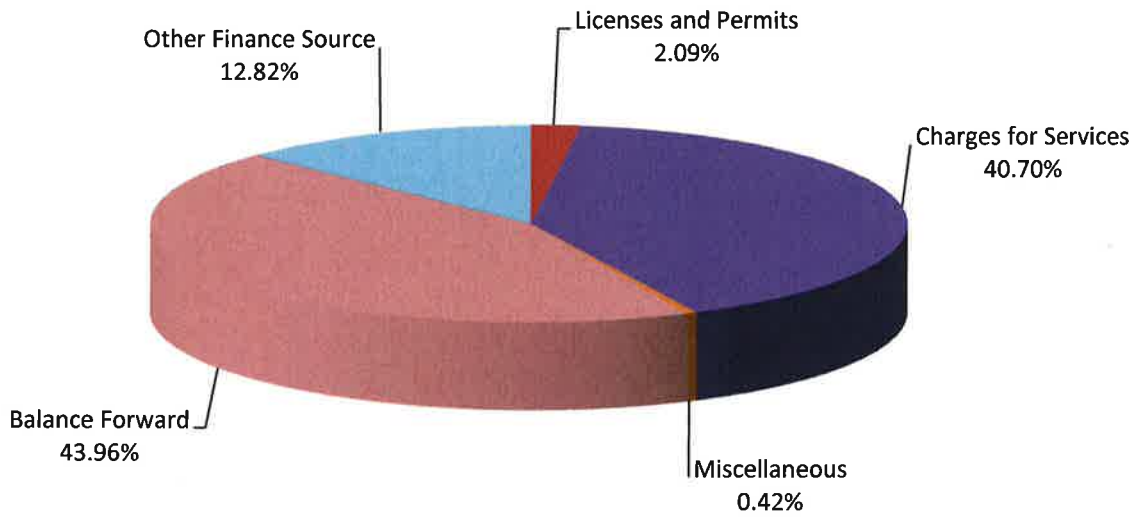


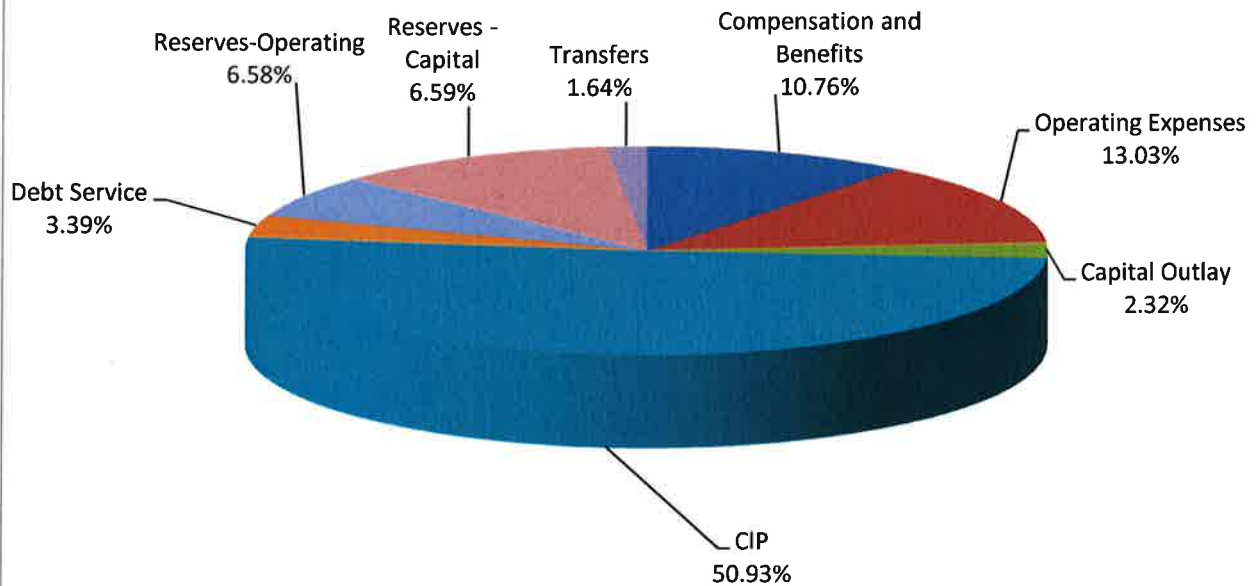
## UTILITY SERVICES DEPARTMENT

### REVENUE (SOURCES)



### ADOPTED BUDGET FY2018-2019 \$101,382,952

### EXPENDITURES (USES)



## UTILITY SERVICES DEPARTMENT: SUMMARY

### MISSION STATEMENT:

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

### PROGRAMS AND SERVICES:

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#### COUNTY WATER AND WASTEWATER PROGRAMS (COUNTY AND BAREFOOT BAY)

##### 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 plant
- Treat and dispose of Wastewater according to permitted standards
- Maintain equipment and lines
- Test water quality
- Correct aging infrastructure problems with Renewal and Replacement (R&R) projects

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

#### *Accomplishments:*

- Completion of rehabilitation of N-3 and N-6 Lift Stations in Mims
- Completion of rehabilitation S-9 and S-15 Lift Stations in South Beaches
- Completion of rehabilitation of C-18 and M-8 Lift Stations in Merritt Island
- Since Hurricane Irma, we have lined 17,000 linear feet of clay pipes in FY17 and 44,000 linear feet of clay pipes in 2018.

#### *Initiatives:*

- Continue inflow and infiltration (I&) reduction program by lining the highest priority pipes within the available funding of \$1.5 million per year.
- Replace the North Riverside Drive Force Main to improve reliability of this major South Beaches wastewater transmission system
- Complete the expansion of the South Central Wastewater Treatment Plant from 6 mgd to 12 mgd
- Rehabilitate or replace 25 sewer lift stations in FY2019

#### *Trends and Issues:*

The Department's infrastructure improvement plan continues in FY 2018-2019. The capital improvement budget of \$48,827,341 includes funding for the completion of the South Central Wastewater Treatment Plant expansion in Viera, rehabilitation of numerous sewer pumping stations, sewer and water lines and the lining of aging clay sewer mains.

The Riverside and West Cocoa projects are listed as partially unfunded until the State Revolving Fund loans are approved.

Funding for these improvements will come from water and wastewater service and connection fees and low-interest loan from the State Revolving Loan (SRF) program.

## UTILITY SERVICES DEPARTMENT: SUMMARY

Improvements in the Barefoot Bay Water and Sewer District continue. Funding has been appropriated for sewer line relining which will help preserve capacity in the Barefoot Bay system. The budget includes \$1,987,000 in improvements for FY 2018-2019.

One of the Department's most significant challenges is the difficulty in retaining specialized personnel. Trained treatment plant operators, master electricians, SCADA technicians and other specialized personnel are being lost to other counties, cities and private sector due to the differential in salaries.

The Department is also having difficulties recruiting and hiring qualified personnel. The vacancy rate of 11%-15% in recent years, equates to approximately 16-24 full-time positions. In addition, the pay scales seem to limit the number of qualified individuals that will apply for open positions. The vacancy rate has required the use of temporary, less qualified personnel.

### *Service Level Impacts:*

N/A

**UTILITY SERVICES DEPARTMENT: SUMMARY**

**DEPARTMENT REVENUES AND EXPENDITURES**

	<b>Actual FY2016-2017</b>	<b>Final Budget FY2017-2018</b>	<b>Adopted Budget FY2018-2019</b>	<b>Difference</b>	<b>% (Inc)/Dec</b>
<b>REVENUES:</b>					
Taxes	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Spec. Assess.	\$2,123,011	\$1,638,572	\$2,233,065	\$594,493	36.28%
Intergovernmental	\$1,660,737	\$608,433	\$0	(\$608,433)	(100.00%)
Charges for Services	\$38,413,580	\$42,819,102	\$43,435,905	\$616,803	1.44%
Fines and Forfeits	\$0	\$0	\$0	\$0	0.00%
Miscellaneous	\$592,460	\$382,263	\$451,640	\$69,377	18.15%
Statutory Reduction	\$0	(\$2,272,419)	(\$2,306,031)	(\$33,612)	1.48%
<i>Operating Revenues</i>	<i>\$42,789,789</i>	<i>\$43,175,951</i>	<i>\$43,814,579</i>	<i>\$638,628</i>	<i>1.48%</i>
Balance Forward	\$49,615,105	\$45,899,307	\$44,568,373	(\$1,330,934)	(2.90%)
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other	\$0	\$0	\$0	\$0	0.00%
Other Finance Source	\$13,264,575	\$28,862,735	\$13,000,000	(\$15,862,735)	(54.96%)
<i>Non-Operating Revenues</i>	<i>\$62,879,680</i>	<i>\$74,762,042</i>	<i>\$57,568,373</i>	<i>(\$17,193,669)</i>	<i>(23.00%)</i>
<b>TOTAL REVENUES</b>	<b>\$105,669,470</b>	<b>\$117,937,993</b>	<b>\$101,382,952</b>	<b>(\$16,555,041)</b>	<b>(14.04%)</b>
<b>EXPENDITURES:</b>					
Compensation and Benefits	\$9,678,766	\$10,374,042	\$10,907,832	\$533,790	5.15%
Operating Expenses	\$11,176,515	\$12,966,618	\$13,207,086	\$240,468	1.85%
Capital Outlay	\$1,244,242	\$2,233,111	\$2,355,276	\$122,165	5.47%
Grants and Aid	\$0	\$0	\$0	\$0	0.00%
<i>Operating Expenditures</i>	<i>\$22,099,523</i>	<i>\$25,573,771</i>	<i>\$26,470,194</i>	<i>\$896,423</i>	<i>3.51%</i>
CIP	\$33,216,143	\$62,225,751	\$51,631,568	(\$10,594,183)	(17.03%)
Debt Service	\$2,673,226	\$12,439,282	\$3,434,024	(\$9,005,258)	(72.39%)
Reserves-Operating	\$0	\$6,310,389	\$6,668,059	\$357,670	5.67%
Reserves - Capital	\$0	\$8,731,998	\$11,514,004	\$2,782,006	31.86%
Reserves - Restricted	\$0	\$863,141	\$0	(\$863,141)	(100.00%)
Transfers	\$1,749,237	\$1,793,661	\$1,665,103	(\$128,558)	(7.17%)
<i>Non-Operating Expenditures</i>	<i>\$37,638,606</i>	<i>\$92,364,222</i>	<i>\$74,912,758</i>	<i>(\$17,451,464)</i>	<i>(18.89%)</i>
<b>TOTAL EXPENDITURES</b>	<b>\$59,738,129</b>	<b>\$117,937,993</b>	<b>\$101,382,952</b>	<b>(\$16,555,041)</b>	<b>(14.04%)</b>
<b>PERSONNEL:</b>					
Full-time positions	161.00	164.00	164.00	0.00	0.00%
Part-time Positions	1.00	1.00	1.00	0.00	0.00%
Full-time Equivalent	161.50	164.50	164.50	0.00	0.00%
Temporary FTE	0.00	0.00	0.00	0.00	0.00%
Seasonal FTE	0.00	0.00	0.00	0.00	0.00%

**COUNTY WATER AND WASTEWATER: PROGRAM PROFILE**

**PROGRAM REVENUES AND EXPENDITURES**

	<b>Actual FY2016-2017</b>	<b>Final Budget FY2017-2018</b>	<b>Adopted Budget FY2018-2019</b>	<b>Difference</b>	<b>% (Inc)/Dec</b>
<b>REVENUES:</b>					
Taxes	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Spec. Assess.	\$2,118,826	\$1,636,072	\$2,230,106	\$594,034	36.31%
Intergovernmental	\$1,633,086	\$608,433	\$0	(\$608,433)	(100.00%)
Charges for Services	\$34,451,537	\$38,593,942	\$39,104,125	\$510,183	1.32%
Fines and Forfeits	\$0	\$0	\$0	\$0	0.00%
Miscellaneous	\$538,225	\$337,980	\$399,880	\$61,900	18.31%
Statutory Reduction	\$0	(\$2,058,822)	(\$2,086,706)	(\$27,884)	1.35%
<i>Operating Revenues</i>	<i>\$38,741,674</i>	<i>\$39,117,605</i>	<i>\$39,647,405</i>	<i>\$529,800</i>	<i>1.35%</i>
Balance Forward	\$46,844,943	\$42,536,317	\$42,514,842	(\$21,475)	(0.05%)
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other	\$0	\$0	\$0	\$0	0.00%
Other Finance Source	\$13,264,575	\$19,162,735	\$13,000,000	(\$6,162,735)	(32.16%)
<i>Non-Operating Revenues</i>	<i>\$60,109,518</i>	<i>\$61,699,052</i>	<i>\$55,514,842</i>	<i>(\$6,184,210)</i>	<i>(10.02%)</i>
<b>TOTAL REVENUES</b>	<b>\$98,851,192</b>	<b>\$100,816,657</b>	<b>\$95,162,247</b>	<b>(\$5,654,410)</b>	<b>(5.61%)</b>
<b>EXPENDITURES</b>					
Compensation and Benefits	\$8,797,366	\$9,491,860	\$10,032,877	\$541,017	5.70%
Operating Expenses	\$10,205,973	\$11,745,329	\$12,026,683	\$281,354	2.40%
Capital Outlay	\$1,239,010	\$1,865,287	\$2,250,276	\$384,989	20.64%
Grants and Aid	\$0	\$0	\$0	\$0	0.00%
<i>Operating Expenditures</i>	<i>\$20,242,349</i>	<i>\$23,102,476</i>	<i>\$24,309,836</i>	<i>\$1,207,360</i>	<i>5.23%</i>
CIP	\$33,098,624	\$60,665,551	\$49,644,568	(\$11,020,983)	(18.17%)
Debt Service	\$1,469,844	\$1,471,231	\$2,618,427	\$1,147,196	77.98%
Reserves-Operating	\$0	\$5,873,389	\$6,101,160	\$227,771	3.88%
Reserves - Capital	\$0	\$8,024,267	\$10,931,894	\$2,907,627	36.24%
Reserves - Restricted	\$0	\$0	\$0	\$0	0.00%
Transfers	\$1,634,501	\$1,679,743	\$1,556,362	(\$123,381)	(7.35%)
<i>Non-Operating Expenditures</i>	<i>\$36,202,969</i>	<i>\$77,714,181</i>	<i>\$70,852,411</i>	<i>(\$6,861,770)</i>	<i>(8.83%)</i>
<b>TOTAL EXPENDITURES</b>	<b>\$56,445,318</b>	<b>\$100,816,657</b>	<b>\$95,162,247</b>	<b>(\$5,654,410)</b>	<b>(5.61%)</b>
<b>PERSONNEL:</b>					
Full-time positions	148.00	151.00	151.00	0.00	0.00%
Part-time Positions	0.00	0.00	0.00	0.00	0.00%
Full-time Equivalent	148.00	151.00	151.00	0.00	0.00%
Temporary FTE	0.00	0.00	0.00	0.00	0.00%
Seasonal FTE	0.00	0.00	0.00	0.00	0.00%



**COUNTY WATER AND WASTEWATER: BUDGET VARIANCES**

<b>REVENUES</b>	<b>VARIANCE</b>	<b>% VARIANCE</b>	<b>EXPLANATION</b>
Taxes	\$0	0.00%	
Permits, Fees & Spec. Assess.	\$594,034	36.31%	Is reflective of connection fee collections, which were higher than anticipated in FY 2017-2018 and is projected to continue into FY 2018-2019
Intergovernmental	(\$608,433)	(100.00%)	Is associated with grants that are closing out in FY 2017-2018, no new grants have been awarded for FY 2018-2019
Charges for Services	\$510,183	1.32%	Is reflective of the CPI change and is offset by ongoing monthly service charge collections that are lower than anticipated
Fines and Forfeits	\$0	0.00%	
Miscellaneous	\$61,900	18.31%	Is association with the anticipated higher interest income in FY 2018-2019
Statutory Reduction	(\$27,884)	1.35%	Corresponds with increase in Operating Revenue
Balance Forward	(\$21,475)	(0.05%)	Is associated with projects that were completed in FY 2017-2018
Transfers - General Revenue	\$0	0.00%	
Transfers - Other	\$0	0.00%	
Other Finance Source	(\$6,162,735)	(32.16%)	Is reflective of less than a full year's reimbursements from the State Revolving Fund loan, the S. Center Treatment Plant expansion will be completed in mid-year FY 2018-2019



**COUNTY WATER AND WASTEWATER: BUDGET VARIANCES**

<b>EXPENDITURES</b>	<b>VARIANCE</b>	<b>% VARIANCE</b>	<b>EXPLANATION</b>
Compensation and Benefits	\$541,017	5.70%	Attributable to Cost of Living Adjustments, FRS rate increases, three new positions in FY 2017-2018, and the methodology change for payment to IT for two GIS positions
Operating Expenses	\$281,354	2.40%	Due to the ongoing assessment of needs at the treatment plants
Capital Outlay	\$384,989	20.64%	Due to the ongoing assessment of needs at the treatment plants, comparatively more Capital Outlay is required in FY 2018-2019 than in FY 2017-2018
Grants and Aid	\$0	0.00%	
CIP	(\$11,020,983)	(18.17%)	Due to the anticipated completion of several large projects including the \$40 million S. Central Treatment plant expansion which will be completed during FY 2018-2019
Debt Service	\$1,147,196	77.98%	Associated with the first semi-annual payment for the SRF loan for the South Central plant expansion which is due before the end of fiscal year, payments will be made from connection fees
Reserves-Operating	\$227,771	3.88%	Reserves for cash flow requirements increase due to the increased operating budget
Reserves - Capital	\$2,907,627	36.24%	Is associated with the high rate of connection fee collections, the Capital Reserves will be allocated to projects and debt service payments in FY 19 and FY 20
Reserves - Restricted	\$0	0.00%	
Transfers	(\$123,381)	(7.35%)	Associated with a methodology change in payment to IT for the two GIS personnel assigned to Utilities Services, partially offset by an increase in Payment in Lieu of Taxes

**COUNTY WATER AND WASTEWATER  
PERFORMANCE MEASURES**

<b>OBJECTIVE</b>	<b>MEASURE</b>	<b>ACTUAL FY 2016-2017</b>	<b>ESTIMATED FY 2017-2018</b>	<b>PROJECTED FY 2018-2019</b>
Effective & Efficient Operations	Cost of wastewater treated per 1000 gallons	\$3.37	\$3.60	\$3.75
	Cost of water treated per 1000 gallons	\$5.51	\$4.47	\$6.01
	Water and wastewater meeting requirements	100%	100%	100%
Plan & Maintain Infrastructure and Improve the Transportation Network	Miles of asbestos cement pipe	18.9	16.5	7.3
	Can type lift stations	20	11	8
	Lift stations > 30 years old	89	84	128
Safeguard Life, Safety and Property; Maintaining Levels of Service	Gallons of wastewater treated (millions)	5,633	5,966	5,800
	Gallons of water provided (millions)	287	329	329

**BAREFOOT BAY WATER AND WASTEWATER: PROGRAM PROFILE**

**PROGRAM REVENUES AND EXPENDITURES**

	<b>Actual FY2016-2017</b>	<b>Final Budget FY2017-2018</b>	<b>Adopted Budget FY2018-2019</b>	<b>Difference</b>	<b>% (Inc)/Dec</b>
<b>REVENUES:</b>					
Taxes	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Spec. Assess.	\$4,185	\$2,500	\$2,959	\$459	18.36%
Intergovernmental	\$27,651	\$0	\$0	\$0	0.00%
Charges for Services	\$3,962,044	\$4,225,160	\$4,331,780	\$106,620	2.52%
Fines and Forfeits	\$0	\$0	\$0	\$0	0.00%
Miscellaneous	\$54,236	\$44,283	\$51,760	\$7,477	16.88%
Statutory Reduction	\$0	(\$213,597)	(\$219,325)	(\$5,728)	2.68%
<i>Operating Revenues</i>	\$4,048,115	\$4,058,346	\$4,167,174	\$108,828	2.68%
Balance Forward	\$2,770,162	\$3,362,990	\$2,053,531	(\$1,309,459)	(38.94%)
Transfers - General Revenue	\$0	\$0	\$0	\$0	0.00%
Transfers - Other	\$0	\$0	\$0	\$0	0.00%
Other Finance Source	\$0	\$9,700,000	\$0	(\$9,700,000)	(100.00%)
<i>Non-Operating Revenues</i>	\$2,770,162	\$13,062,990	\$2,053,531	(\$11,009,459)	(84.28%)
<b>TOTAL REVENUES</b>	\$6,818,277	\$17,121,336	\$6,220,705	(\$10,900,631)	(63.67%)
<b>EXPENDITURES</b>					
Compensation and Benefits	\$881,399	\$882,182	\$874,955	(\$7,227)	(0.82%)
Operating Expenses	\$970,542	\$1,221,289	\$1,180,403	(\$40,886)	(3.35%)
Capital Outlay	\$5,232	\$367,824	\$105,000	(\$262,824)	(71.45%)
Grants and Aid	\$0	\$0	\$0	\$0	0.00%
<i>Operating Expenditures</i>	\$1,857,174	\$2,471,295	\$2,160,358	(\$310,937)	(12.58%)
CIP	\$117,518	\$1,560,200	\$1,987,000	\$426,800	27.36%
Debt Service	\$1,203,383	\$10,968,051	\$815,597	(\$10,152,454)	(92.56%)
Reserves-Operating	\$0	\$437,000	\$566,899	\$129,899	29.73%
Reserves - Capital	\$0	\$707,731	\$582,110	(\$125,621)	(17.75%)
Reserves - Restricted	\$0	\$863,141	\$0	(\$863,141)	(100.00%)
Transfers	\$114,736	\$113,918	\$108,741	(\$5,177)	(4.54%)
<i>Non-Operating Expenditures</i>	\$1,435,637	\$14,650,041	\$4,060,347	(\$10,589,694)	(72.28%)
<b>TOTAL EXPENDITURES</b>	\$3,292,811	\$17,121,336	\$6,220,705	(\$10,900,631)	(63.67%)
<b>PERSONNEL:</b>					
Full-time positions	13.00	13.00	13.00	0.00	0.00%
Part-time Positions	1.00	1.00	1.00	0.00	0.00%
Full-time Equivalent	13.50	13.50	13.50	0.00	0.00%
Temporary FTE	0.00	0.00	0.00	0.00	0.00%
Seasonal FTE	0.00	0.00	0.00	0.00	0.00%

**BAREFOOT BAY WATER AND WASTEWATER: BUDGET VARIANCES**

<b>REVENUES</b>	<b>VARIANCE</b>	<b>% VARIANCE</b>	<b>EXPLANATION</b>
Taxes	\$0	0.00%	
Permits, Fees & Spec. Assess.	\$459	18.36%	Is associated with a higher level of connection fee collections
Intergovernmental	\$0	0.00%	
Charges for Services	\$106,620	2.52%	Is associated with the CPI change and includes a small amount of growth in usage
Fines and Forfeits	\$0	0.00%	
Miscellaneous	\$7,477	16.88%	Is associated with an anticipated increase in Interest Income for FY 2018-2019
Statutory Reduction	(\$5,728)	2.68%	Corresponds with the increase in Operating Revenue
Balance Forward	(\$1,309,459)	(38.94%)	Is reflective of multi-year projects that are being completed in FY 2017-2018
Transfers - General Revenue	\$0	0.00%	
Transfers - Other	\$0	0.00%	
Other Finance Source	(\$9,700,000)	(100.00%)	Associated with bond refunding completed in FY 2017-2018

**BAREFOOT BAY WATER AND WASTEWATER: BUDGET VARIANCES**

<b>EXPENDITURES</b>	<b>VARIANCE</b>	<b>% VARIANCE</b>	<b>EXPLANATION</b>
Compensation and Benefits	(\$7,227)	(0.82%)	Is reflective of a high staff turnover rate, and is partially offset by Cost of Living adjustments, FRS rate increases, and the change in methodology for IT charges for GIS staff
Operating Expenses	(\$40,886)	(3.35%)	Due to the ongoing assessment of needs at the treatment plants, comparatively less maintenance is required in FY 2018-2019 than in FY 2017-2018
Capital Outlay	(\$262,824)	(71.45%)	Due to the ongoing assessment of needs at the treatment plants, comparatively less Capital Outlay is required in FY 2018-2019 than in FY 2017-2018
Grants and Aid	\$0	0.00%	
CIP	\$426,800	27.36%	Associated with an increase in pricing for large construction projects in FY 2018-2019
Debt Service	(\$10,152,454)	(92.56%)	Associated with bond refunding completed in FY 2017-2018
Reserves-Operating	\$129,899	29.73%	Reserves for cash flow requirements increase due to the increased operating budget
Reserves - Capital	(\$125,621)	(17.75%)	A portion of the previous year's Capital Reserves have been allocated to ongoing CIP projects
Reserves - Restricted	(\$863,141)	(100.00%)	The refunded bond does not require restricted reserves, the previously reserved funds have been re-allocated to CIP and Reserves
Transfers	(\$5,177)	(4.54%)	Transfers decrease due to a methodology change in payment to IT for the tow GIS personnel assigned to Utilities Services

**BAREFOOT BAY WATER-WASTEWATER  
PERFORMANCE MEASURES**

<b>OBJECTIVE</b>	<b>MEASURE</b>	<b>ACTUAL FY 2016-2017</b>	<b>ESTIMATED FY 2017-2018</b>	<b>PROJECTED FY 2018-2019</b>
Effective & Efficient Operations	Cost of wastewater treated per 1000 gallons	\$3.84	\$4.68	\$4.76
	Cost of water treated per 1000 gallons	\$8.94	\$8.16	\$10.36
	Water and wastewater meeting requirements	100%	100%	100%
Plan & Maintain Infrastructure and Improve the Transportation Network	Lift stations > 30 years old	5	5	4
Safeguard Life, Safety and Property; Maintaining Levels of Service	Gallons of wastewater treated (millions)	234	322	280
	Gallons of water provided (millions)	154	182	182

**UTILITY SERVICES DEPARTMENT  
CAPITAL OUTLAY SUMMARY<sup>1</sup>**

DESCRIPTION	QUANTITY	UNIT COST	FUNDING SOURCE	TOTAL COST
<b>UTILITY SERVICES WATER/WASTEWATER PROGRAM:</b>				
<b>MIMS WATER SERVICE AREA</b>				
Deluxe Detectable Tuf-rod	1	\$2,000	User Fees	\$2,000
Jet/Vac exterior lighting system	1	\$13,000	User Fees	\$13,000
Plate soil compactor	1	\$2,000	User Fees	\$2,000
Covered lawn maintenance trailer	1	\$9,000	User Fees	\$9,000
Thumb attachment for back hoe	1	\$2,500	User Fees	\$2,500
4-Wheel Drive Utility Truck	1	\$36,300	User Fees	\$36,300
<b>TOTAL FUNDED FOR PROGRAM:</b>				<b>\$64,800</b>
<b>NORTH BREVARD SERVICE AREA:</b>				
Sewer Leak Detection Smoke Blower	1	\$2,000	User Fees	\$2,000
25 HP lift station pumps	2	\$12,000	User Fees	\$24,000
Lateral camera system	1	\$12,000	User Fees	\$12,000
4-Wheel Drive Utility Pick-up Truck	1	\$30,000	User Fees	\$30,000
Treatment Plant Generator	1	\$250,000	User Fees	\$250,000
<b>TOTAL FUNDED FOR PROGRAM:</b>				<b>\$318,000</b>
<b>SYKES CREEK SERVICE AREA:</b>				
6" Trailer mounted bypass pump	1	\$45,000	User Fees	\$45,000
Suction bypass hose 6"x 60'	1	\$5,000	User Fees	\$5,000
Mini sewer lateral camera w/locator	1	\$15,000	User Fees	\$15,000
Covered lawn maintenance trailer	1	\$9,000	User Fees	\$9,000
Mini excavator	1	\$55,000	User Fees	\$55,000
<b>TOTAL FUNDED FOR PROGRAM:</b>				<b>\$129,000</b>
<b>SOUTH CENTRAL SERVICE AREA:</b>				
Jet/Vac Truck	1	\$600,000	User Fees	\$600,000
4" Trailer Mounted Pump	2	\$50,000	User Fees	\$100,000
6,000 lb. rated Telehandler Forklift	1	\$120,000	User Fees	\$120,000
Off Road Utility Vehicle	1	\$14,000	User Fees	\$14,000
1 Ton, 4-Wheel Drive Pickup Truck	1	\$33,000	User Fees	\$33,000
1 Ton, 4-Wheel Drive Pickup Truck	1	\$33,000	User Fees	\$33,000
Lab Oven	1	\$5,000	User Fees	\$5,000

1) Equipment with a value in excess of \$1,000 (computers \$750). Approved items may be purchased using existing Public Sector Purchasing Cooperative contracts awarded through full and open competition when in the best interest of the County.

**UTILITY SERVICES DEPARTMENT  
CAPITAL OUTLAY SUMMARY<sup>1</sup>**

<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>FUNDING SOURCE</b>	<b>TOTAL COST</b>
Photo Spectrum Meter	1	\$4,000	User Fees	\$4,000
<b>TOTAL FUNDED FOR PROGRAM:</b>				<b>\$909,000</b>
<b>SOUTH BEACHES SERVICE AREA:</b>				
Jet/Vac Truck	1	\$600,000	User Fees	\$600,000
Cart for Ops	1	\$15,000	User Fees	\$15,000
All-Wheel Drive SUV w/towing package	1	\$40,000	User Fees	\$40,000
Articulated loader	1	\$90,000	User Fees	\$90,000
<b>TOTAL FUNDED FOR PROGRAM:</b>				<b>\$745,000</b>
<b>ADMINISTRATION &amp; ENGINEERING:</b>				
Work stations - Precision T5810	4	\$1,332	User Fees	\$5,328
Work stations - OptiPlex 7050 Micro	6	\$1,038	User Fees	\$6,228
SCADA Work stations - OptiPlex 7050 Micro	3	\$1,038	User Fees	\$3,114
Laptop - Mobile Precision 7720	1	\$2,205	User Fees	\$2,205
Laptop - Latitude 5285	1	\$1,601	User Fees	\$1,601
All-Wheel Drive SUV	1	\$33,000	User Fees	\$33,000
All-Wheel Drive SUV	1	\$33,000	User Fees	\$33,000
<b>TOTAL FUNDED FOR PROGRAM:</b>				<b>\$84,476</b>
<b>BAREFOOT BAY:</b>				
Portable Generator 90kw	1	\$50,000	User Fees	\$50,000
Slope Mower	1	\$55,000	User Fees	\$55,000
<b>TOTAL FUNDED FOR PROGRAM:</b>				<b>\$105,000</b>
<b>TOTAL FUNDED FOR DEPARTMENT:</b>				<b>\$2,355,276</b>
<b>UTILITY SERVICES WATER/WASTEWATER:</b>				
Jet/Vac Truck - Sykes	1	\$600,000	Unfunded	\$600,000
Jet/Vac Truck - Sykes	1	\$600,000	Unfunded	\$600,000
80 Kw Trailer Mounted Generator - S Central	2	\$63,000	Unfunded	\$126,000
Vibration Tester - S Central	1	\$10,000	Unfunded	\$10,000
Laser Shaft Alignment System - S Central	1	\$8,000	Unfunded	\$8,000

1) Equipment with a value in excess of \$1,000 (computers \$750). Approved items may be purchased using existing Public Sector Purchasing Cooperative contracts awarded through full and open competition when in the best interest of the County.



**UTILITY SERVICES DEPARTMENT  
CAPITAL OUTLAY SUMMARY<sup>1</sup>**

<b>DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>FUNDING SOURCE</b>	<b>TOTAL COST</b>
Truck Mounted Jetting System - S Central	1	\$130,000	Unfunded	\$130,000
Hydraulic Bearing Press - S Central	1	\$10,000	Unfunded	\$10,000
Bearing Heater - S Central	1	\$3,000	Unfunded	\$3,000
Trailer Mounted Vac Machine - S Beaches	1	\$65,000	Unfunded	\$65,000
<b>TOTAL UNFUNDED FOR DEPARTMENT:</b>				<b>\$1,552,000</b>

1) Equipment with a value in excess of \$1,000 (computers \$750). Approved items may be purchased using existing Public Sector Purchasing Cooperative contracts awarded through full and open competition when in the best interest of the County.

**UTILITY SERVICES DEPARTMENT  
CAPITAL IMPROVEMENTS PROGRAM**

DESCRIPTION	FUNDING SOURCE	TOTAL COST
<b>MIMS WATER:</b>		
Water Main Replacement	User Fees	\$1,300,000
Well Facility Replacements (1 Of 3)	User Fees	\$600,000
Lime Sludge Handling System	User Fees	\$600,000
Replace VFD's, PLC's & Flow Meter On High Service Pumps (4)	User Fees	\$450,000
Mims Water CO2 Tank	User Fees	\$400,000
Replace High Service Pumps And Motors	User Fees	\$200,000
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$3,550,000</b>
<b>NORTH BREVARD WASTEWATER:</b>		
Treatment Plant Driveway	User Fees	\$50,000
Wastewater Filter Gallery Valves Replacement	User Fees	\$341,000
North Brevard WWTP Dumping Bed	User Fees	\$350,000
Extend N10 Gravity Sewer And Demolish Lift Station N04	User Fees	\$345,000
N Brevard Wastewater Chlorine Storage Structure	User Fees	\$160,000
North Brevard Inflow And Infiltration Reduction	User Fees	\$250,000
North Brevard Lift Stations	User Fees	\$1,035,000
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$2,531,000</b>
<b>PORT ST JOHN WASTEWATER:</b>		
Force Main J01 Replacement	User Fees	\$50,000
Port St John Pave Plant Access Road	User Fees	\$265,000
Sludge Dewatering System	User Fees	\$535,000
Construct Concrete Block Building For Compressors	User Fees	\$10,000
Pt St John Inflow And Infiltration Reduction	User Fees	\$150,000
Chlorine Storage And Feeder System	User Fees	\$100,000
Port St John Lift Stations	User Fees	\$390,000
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$1,500,000</b>
<b>SOUTH BEACH WASTEWATER:</b>		
S Beach WWTP High Service Pumps (Vertical Turbine)	User Fees	\$744,590
Treatment Process Improvements	User Fees	\$540,000
Rehabilitate Discharge Ponds	User Fees	\$70,000
S Beach WWTP Manual Bar Screen Replacement	User Fees	\$50,000
S Beach WWTP Mechanical Bar Screen Replacement	User Fees	\$1,020,000
Grit Washer And Conveyor Replacement	User Fees	\$100,000

**UTILITY SERVICES DEPARTMENT  
CAPITAL IMPROVEMENTS PROGRAM**

DESCRIPTION	FUNDING SOURCE	TOTAL COST
Replace Digester Centrifugal Blowers & Aeration Basin Centrifugal Blowers	User Fees	\$1,200,000
South Beach WWTP SCADA Upgrades	User Fees	\$75,000
Equalization Basin Valves, Piping And Tank Repairs	User Fees	\$190,000
North Riverside Force Main Improvements	User Fees	\$370,000
Force Main S12 Replacement	User Fees	\$60,000
South Beach Inflow And Infiltration Reduction	User Fees	\$500,000
South Beach Lift Stations	User Fees	\$2,862,501
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$7,782,091</b>
<b>SOUTH CENTRAL WASTEWATER:</b>		
Septage And Grease Pretreatment Facility Construction With Relocation	Connection Fees	\$725,000
Treatment Plant Expansion To 12.0 Mgd Fp	Connection Fees/Loan	\$13,620,000
Rehabilitate Belt Press, Controls & Replace VFD's	User Fees	\$800,000
Sod Pond Improvements	User Fees	\$175,000
Baytree Pressure Sustaining Valve Replacement	User Fees	\$115,000
Suntree Booster Station Rehabilitation	User Fees	\$560,000
S Central WWTP Clarifier Rehabilitation (X4)	User Fees	\$600,000
South Central SCADA Upgrades	User Fees	\$145,000
Wetlands Effluent Electrical	User Fees	\$75,000
Reuse System Optimization Improvements	User Fees	\$900,000
South Central Inflow And Infiltration	User Fees	\$200,000
BNR Aeration/Mixing Improvements	User Fees	\$250,000
Telemetry Modernization	User Fees	\$150,000
South Central Lift Stations	User Fees	\$1,604,250
South Central Valve Replacements	User Fees	\$200,000
IRCC Pressure Sustaining Valve Replacement	User Fees	\$77,227
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$20,196,477</b>
<b>SYKES WASTEWATER:</b>		
Sykes Creek Wastewater Treatment Plant RAS/WAS Pumps Replacement	User Fees	\$1,000,000
Sykes Creek Wastewater Treatment Plant Improvements (Headworks)	User Fees	\$2,500,000
Force Main M13 Replacement	User Fees	\$125,000
Clarifier Rehabilitation (4)	User Fees	\$280,000
Force Main C09 Replacement	User Fees	\$10,000
Sykes Creek Parkway Force Main Replacement	User Fees	\$1,110,000

**UTILITY SERVICES DEPARTMENT  
CAPITAL IMPROVEMENTS PROGRAM**

DESCRIPTION	FUNDING SOURCE	TOTAL COST
Supervisory Control And Data Acquisition (SCADA) Upgrade	User Fees	\$100,000
Replacement Of Sykes WWTP Generators & Upgrade Electrical System	User Fees	\$950,000
Reclaimed Water Improvements At WWTP	User Fees	\$1,300,000
Aeration Basins (2) Motors And DO Control Upgrade	User Fees	\$600,000
Cone Road Infrastructure	User Fees	\$35,000
N Courtney Lateral Replacement	User Fees	\$80,000
Sykes Creek Inflow And Infiltration Reduction	User Fees	\$400,000
Lift Station V11 Driveway	User Fees	\$60,000
Lift Station R02 Driveway	User Fees	\$60,000
Sykes Lift Stations	User Fees	\$4,075,000
N Courtenay Pkwy Forcemain/Reclaimed Water Line Extension Phase 3	Connection Fees	\$400,000
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$13,085,000</b>
<b>WEST COCOA WASTEWATER:</b>		
West Cocoa Sewer Improvements	User Fees	\$1,000,000
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$1,000,000</b>
<b>TOTAL FUNDED FOR COUNTY WATER AND WASTEWATER PROGRAM</b>		<b>\$49,644,568</b>
<b>BAREFOOT BAY WATER:</b>		
Booster Station Chlorine Pumps / Install Soft Starters On BFB Booster Pumps	User Fees	\$75,000
Construct 300,000-Gallon Water Storage Tank And Demolish Existing Tank	User Fees	\$1,000,000
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$1,075,000</b>
<b>BAREFOOT BAY WASTEWATER:</b>		
Modify Air Piping And Relocate Blowers	User Fees	\$430,000
Lift Station X15 Rehabilitation	User Fees	\$37,000
Lift Station X03 Rehabilitation	User Fees	\$125,000
Install Fan Press For Sludge Dewatering	User Fees	\$125,000
Barefoot Bay Inflow & Infiltration Reduction	User Fees	\$150,000
SCADA Improvements	User Fees	\$45,000
<b>TOTAL FUNDED FOR PROGRAM:</b>		<b>\$912,000</b>

**UTILITY SERVICES DEPARTMENT  
CAPITAL IMPROVEMENTS PROGRAM**

<b>DESCRIPTION</b>	<b>FUNDING SOURCE</b>	<b>TOTAL COST</b>
<b>TOTAL FUNDED FOR BAREFOOT BAY PROGRAM</b>		<b>\$1,987,000</b>
<b>TOTAL FUNDED FOR DEPARTMENT:</b>		<b>\$51,631,568</b>
North Riverside Force Main Improvements (applied for SRF)		\$7,520,000
West Cocoa Sewer Improvements (applied for SRF)		\$8,000,000
Inflow and Infiltration (Countywide)		\$50,000,000
South Beaches Area Improvements		\$60,000,000
<b>TOTAL UNFUNDED FOR COUNTY WATER AND WASTEWATER</b>		<b>\$125,520,000</b>

