



# Utility Services Department

## FY 2015 Adopted Budget

February 5, 2015

### Vision – Mission - Values



#### Vision

To set new standards of customer service and environmental sustainability through efficient management of infrastructure and optimization of financial and technological resources

#### Mission

To provide quality water, wastewater and reclaimed water services to our customers

#### Values

- \*Quality
- \*Respect
- \*Trust
- \*Accountability
- \*Leadership

## Water and Wastewater Service Areas

- 70,500 Wastewater Equivalent Residential Connections
- 8,236 Water Equivalent Residential Connections



## Regulatory Compliance/ Health & Safety



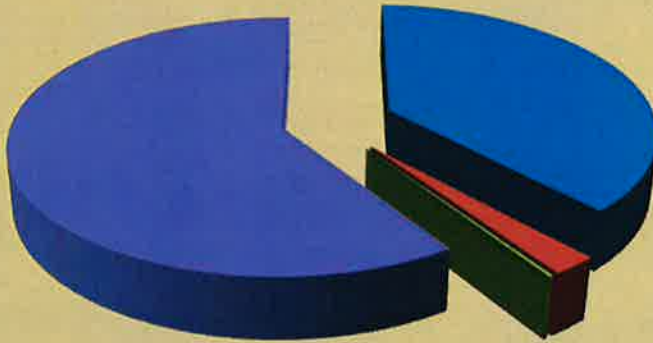
- Water/Wastewater Compliance
- Laboratory Analysis & Testing
- Consumptive Use Permits
- Stormwater Regulations
- Monitoring Wells
- Chemical Compliance & Handling
- Diesel Tank Compliance



# County Water/Wastewater Revenues



**COUNTY WATER AND WASTEWATER REVENUES OF \$79,528,327 INCLUDE:**

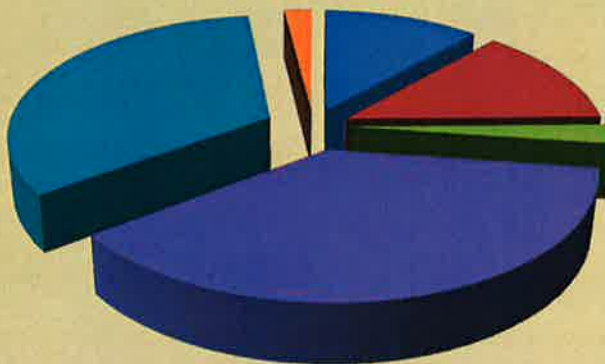


- Water and Wastewater Service Fees \$30,117,278
- Water and Wastewater Connection Fees \$1,900,000
- Interest Revenue and Misc Revenue \$183,618
- Bond Proceeds and Balance Forward \$47,327,431

# County Water/Wastewater Expenditures



**COUNTY WATER AND WASTEWATER EXPENDITURES OF \$79,528,327 INCLUDE:**

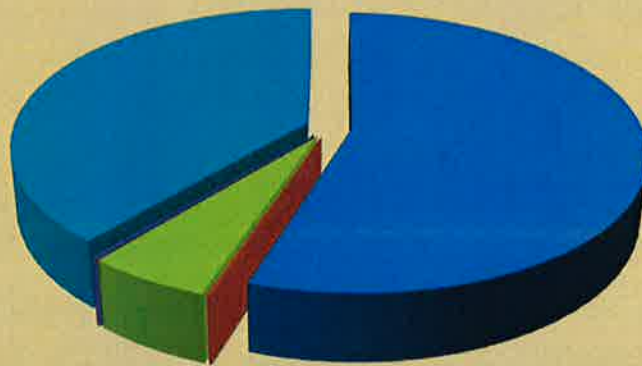


- COMP & BENEFITS \$9,076,767
- O & M EXPENSES \$10,290,328
- CAPITAL OUTLAY \$1,977,542
- CIP \$29,943,968
- RESERVES \$26,609,946
- TRANSFERS \$1,629,776

# Barefoot Bay Water and Sewer District Revenue



**BAREFOOT BAY WATER AND WASTEWATER REVENUES OF \$6,624,560 INCLUDE:**



- Water and Wastewater Service Fees \$3,635,915
- Water and Wastewater Connection Fees \$6,175
- Grant Revenue \$382,247
- Interest Revenue and Misc Revenue \$9,615
- Bond Proceeds and Balance Forward \$2,590,608

# Barefoot Bay Water and Sewer District Expenditures



**BAREFOOT BAY WATER AND WASTEWATER EXPENDITURES OF \$6,624,560 INCLUDE:**



- COMP & BENEFITS \$957,395
- O & M EXPENSES \$902,550
- CAPITAL OUTLAY \$274,450
- CIP \$1,211,990
- DEBT SERVICE \$1,231,055
- RESERVES \$1,927,342
- TRANSFERS \$119,778

# Department Summary Revenues



DEPARTMENT REVENUES					
	Actual FY 2012-2013	Final Budget FY 2013-2014	Adopted Budget FY 2014-2015	Difference	% Inc/(Dec)
<b>REVENUES:</b>					
Taxes	\$0	\$0	\$0	\$0	0.00%
Permits, Fees & Spec. Assess.	\$1,723,813	\$1,506,500	\$2,006,500	\$500,000	33.19%
Intergovernmental	\$1,495	\$0	\$402,365	\$402,365	0.00%
Charges for Services	\$29,646,790	\$31,315,790	\$35,529,677	\$4,213,887	13.46%
Fines and Forfeits	\$0	\$0	\$0	\$0	0.00%
Miscellaneous	\$224,951	\$135,258	\$203,931	\$68,673	50.77%
Statutory Reduction	\$0	(\$1,647,879)	(\$1,907,625)	(\$259,746)	15.76%
Operating Revenues	\$31,597,049	\$31,309,669	\$36,234,848	\$4,925,179	15.73%
Balance Forward	\$19,307,525	\$19,242,852	\$49,918,039	\$30,675,187	159.41%
Transfers - General Revenue	\$0	\$57,720	\$0	(\$57,720)	(100.00%)
Transfers - Other	\$0	\$0	\$0	\$0	0.00%
Other Finance Source	\$0	\$0	\$0	\$0	0.00%
Non-Operating Revenues	\$19,307,525	\$19,300,572	\$49,918,039	\$30,617,467	158.64%
<b>TOTAL REVENUES</b>	<b>\$50,904,574</b>	<b>\$50,610,241</b>	<b>\$86,152,887</b>	<b>\$35,542,646</b>	<b>70.23%</b>

# Department Summary Expenditures



DEPARTMENT EXPENDITURES					
	Actual FY 2012-2013	Final Budget FY 2013-2014	Adopted Budget FY 2014-2015	Difference	% Inc/(Dec)
<b>EXPENDITURES:</b>					
Compensation and Benefits	\$8,501,182	\$9,424,383	\$10,034,162	\$609,779	6.47%
Operating Expenses	\$10,843,570	\$10,926,682	\$11,192,878	\$266,196	2.44%
Capital Outlay	\$1,201,381	\$1,059,900	\$2,251,992	\$1,192,092	112.47%
Grants and Aid	\$0	\$0	\$0	\$0	0.00%
Operating Expenditures	\$20,546,133	\$21,410,965	\$23,479,032	\$2,068,067	9.66%
CIP	\$3,385,448	\$13,516,688	\$31,155,958	\$17,639,270	130.50%
Debt Service	\$1,244,789	\$1,221,093	\$1,231,055	\$9,962	0.82%
Reserves - Operating	\$0	\$0	\$0	\$0	0.00%
Reserves - Capital	\$0	\$11,810,592	\$27,577,344	\$15,766,752	133.50%
Reserves - Restricted	\$0	\$892,575	\$959,944	\$67,369	7.55%
Transfers	\$1,872,778	\$1,758,328	\$1,749,554	(\$8,774)	(0.50%)
Non-Operating Expenditures	\$6,503,016	\$29,199,276	\$62,673,855	\$33,474,579	114.64%
<b>TOTAL EXPENDITURES</b>	<b>\$27,049,149</b>	<b>\$50,610,241</b>	<b>\$86,152,887</b>	<b>\$35,542,646</b>	<b>70.23%</b>
<b>PERSONNEL:</b>					
Full-time Positions	152.00	158.00	160.00	2.00	1.27%
Part-time Positions	1.00	1.00	1.00	0.00	0.00%
Full-time Equivalent	152.50	158.50	160.50	2.00	1.26%
Temporary FTE	0.00	0.00	0.00	0.00	0.00%
Seasonal FTE	0.00	0.00	0.00	0.00	0.00%

# Trends and Issues



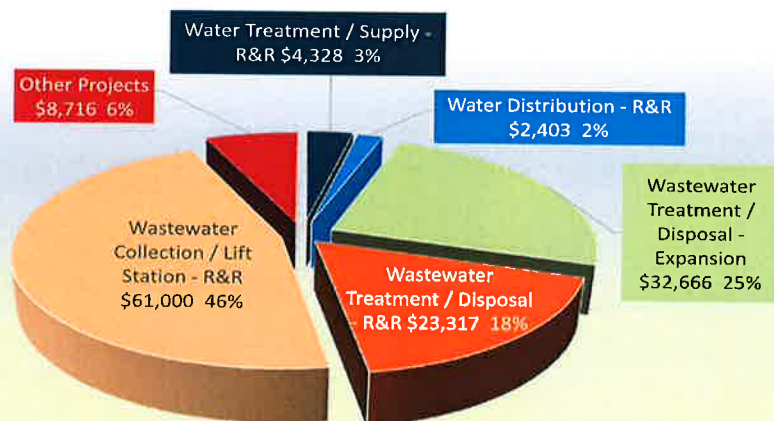
- Implementation of \$134 million capital program
- Design and construction of South Central WWTP expansion
- Pursuing additional grant funding to supplement budgets for:
  - Inflow and Infiltration (I & I) reduction county wide
  - Additional sewer force main under the Merritt Island Barge Canal
  - Sewer line extension - North Courtenay Parkway
  - West Cocoa collection system rehabilitation

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# Capital Improvement Program Revenue



- Capital Improvement Plan (CIP)
  - \$134M Next 10 Years



Note: Amounts Shown in \$1,000's

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# Capital Improvements North Brevard (Mims) Water System



- Treatment plant, distribution system 35 years old
- Replacing Asbestos Cement lines with PVC
- Rehabilitating and cleaning water wells
- Replacing and upgrading water plant controls and computerization
- Installing new lime softening equipment



Multiple Well Facility Replacements



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# Capital Improvements North Brevard (Mims) Water System



Years	Total Costs
2014-23	\$ 9,564,000



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# Capital Improvements North Brevard Wastewater System



- Treatment plant and collection system are 27 years old
- Replace sludge centrifuge
- Rehabilitate lift stations (2)



Lift Station N-3  
Replacement



15

# Capital Improvements North Brevard Wastewater System



Years	Total Costs
2014-23	\$ 5,107,000



16

# Capital Improvements Port St. John Wastewater System



- Treatment plant and collection system are 35 years old - former Suntime plant relocated to Port St. John
- Total rehab of existing plant
- Upgrading master lift station



Lift Station J-02  
Replacement

Rebuild existing WWTP  
Cost = \$2,500,000

17

# Capital Improvements Port St. John Wastewater System



Years	Total Costs
2014-23	\$6,615,000



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# Capital Improvements Sykes Creek Wastewater System



- Treatment plant and collection system are 28 years old
- Plant headworks and screening replacement
- Lift stations and sewer line replacements



Replace Headworks Screening and Grit Removal



Lift Station C-18 Upgrades



Lift Station M-20 and Generator Replacement

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2014-23	\$18,168,000



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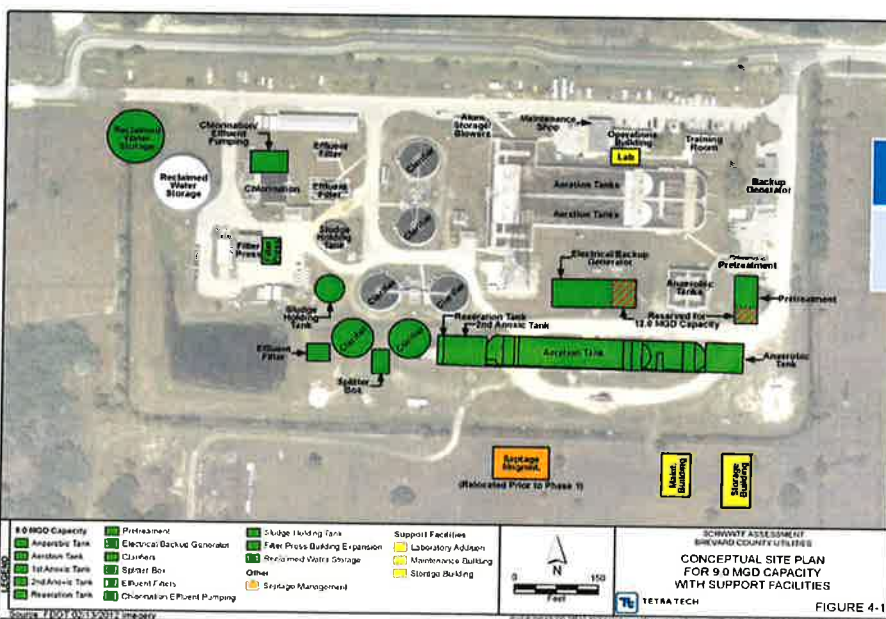
Supplemental Aeration/Process Control



Replace Grease-Septage Pretreatment System

21

# Capital Improvements South Central Wastewater Plant Expansion 5.5 MGD to 12.0 MGD



Years	Total Costs
2014-17	\$28,515,000

22

# Capital Improvements South Beaches Wastewater System



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Influent Structure and Screening Improvements



Lift Station B08 Rehab

# Capital Improvements South Beaches Wastewater System



Years	Total Costs
2014-23	\$27,362,000



# Renewal and Replacement County System-Wide



Collection system  
inflow and infiltration  
(I&I), leaking and  
causing higher flows



Lift Station Telemetry  
Modernization



Lift Station Control Panel  
Modernization

- Inflow and Infiltration (I&I). Over \$2,000,000 to inspect and rehab this year
- Lift station telemetry upgrading in 80 lift stations
- Lift station control panel upgrading in 24 stations
- Estimated 100 force main valves require replacement

# Renewal and Replacement County System-Wide



Years	Total Costs
2014-23	\$12,540,000



# Capital Improvements Barefoot Bay Water System



Years	Total Costs
2014-19	\$ 1,443,000



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## Utility Services Department



- Questions From the Board

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# Utility Services Department

FY 2015 Adopted Budget

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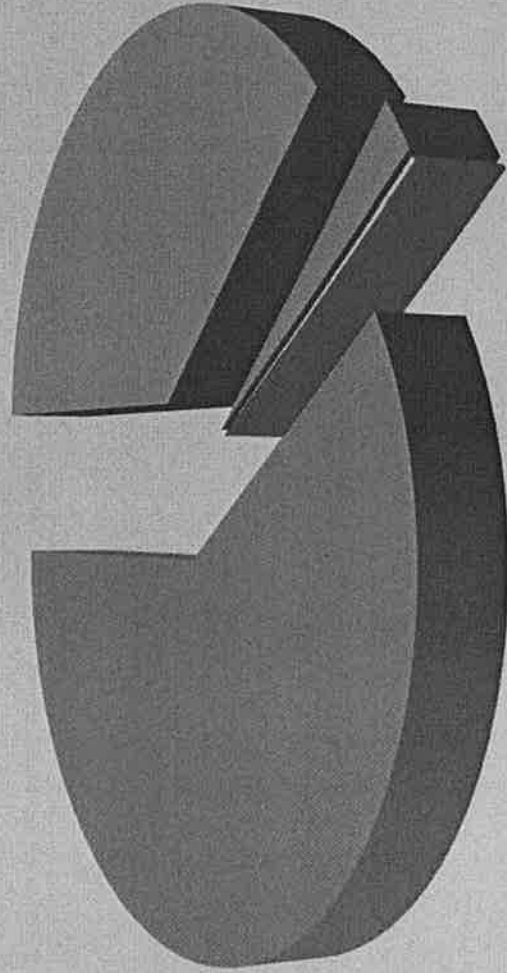


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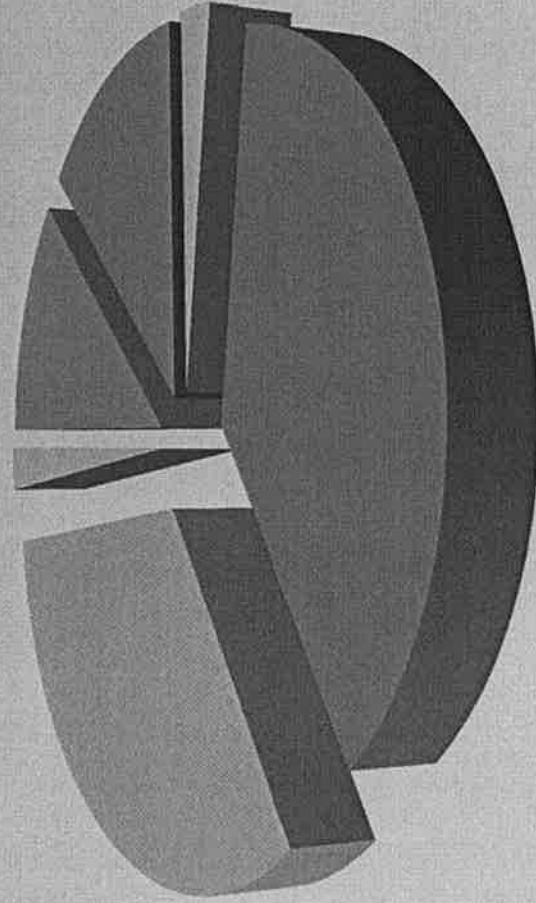


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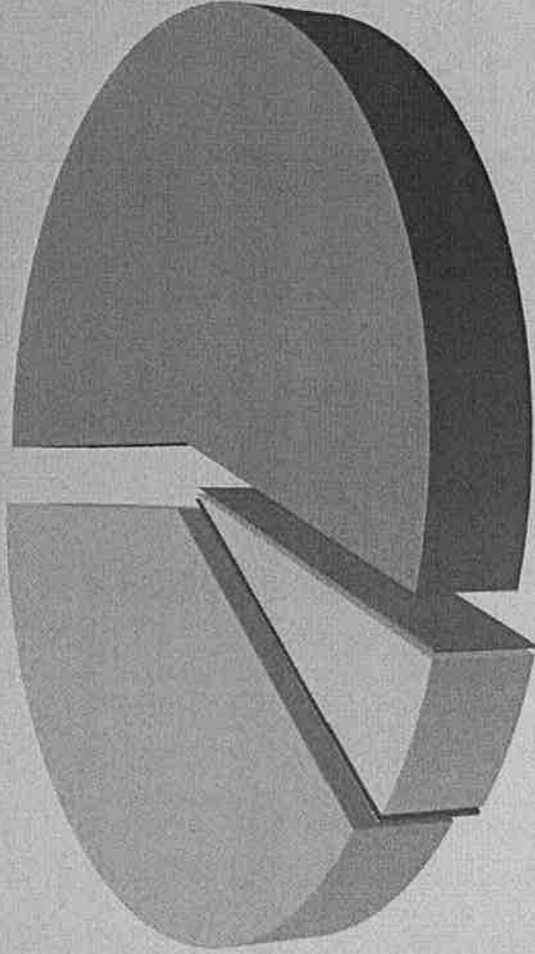


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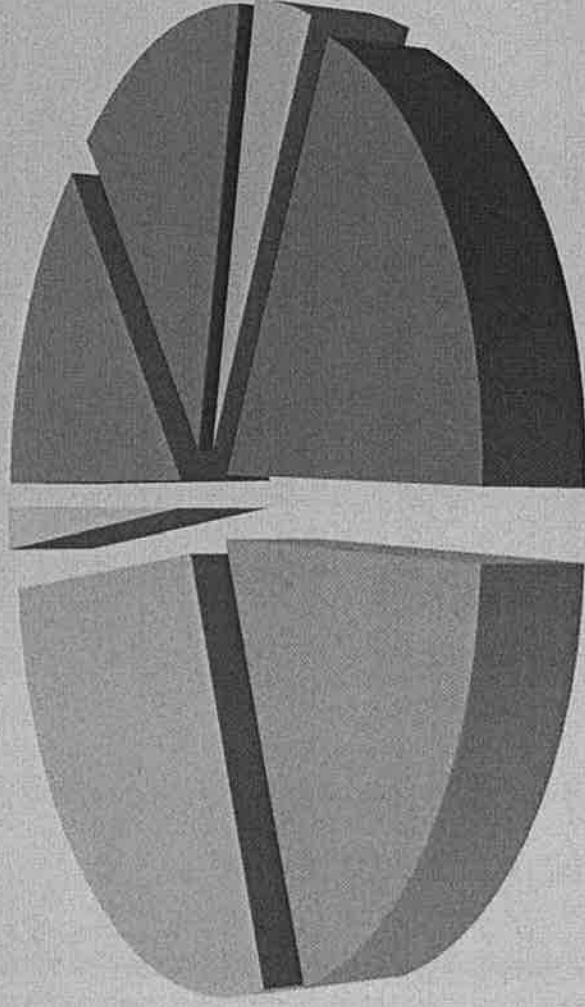
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# Department Summaries

## Expenditures

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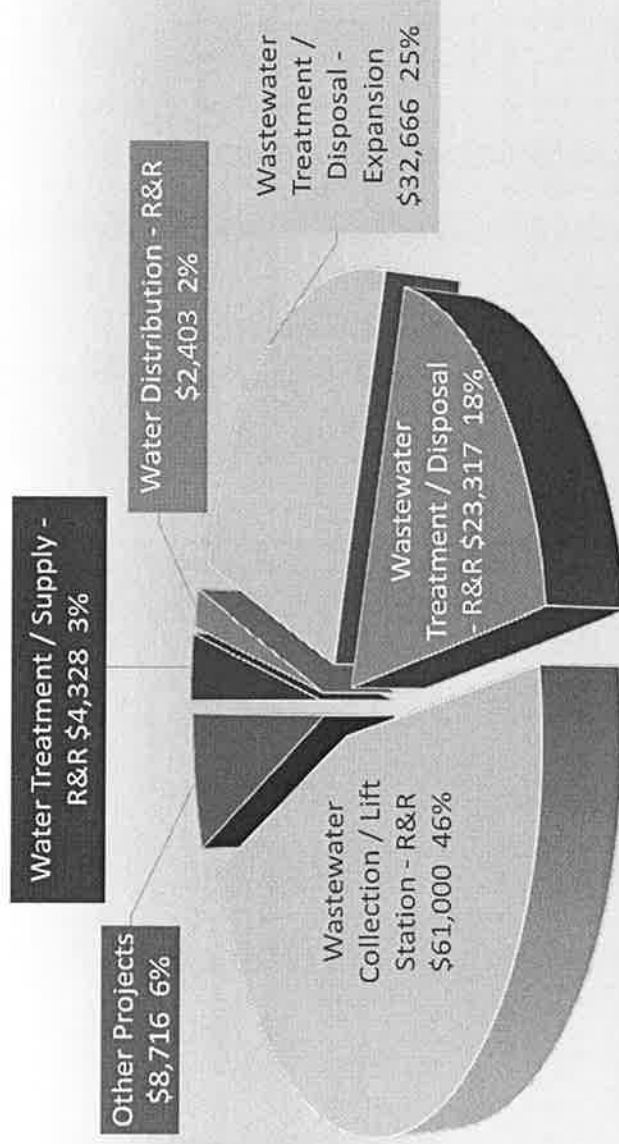


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  - Inflow and Infiltration (I & I) reduction county wide
  - Additional sewer force main under the Merritt Island Barge Canal
  - Sewer line extension - North Courtenay Parkway
  - West Cocoa collection system rehabilitation



# Capital Improvement Program Revenue

- Capital Improvement Plan (CIP)  
- \$134M Next 10 Years



Note: Amounts Shown in \$1,000's

# Capital Improvements

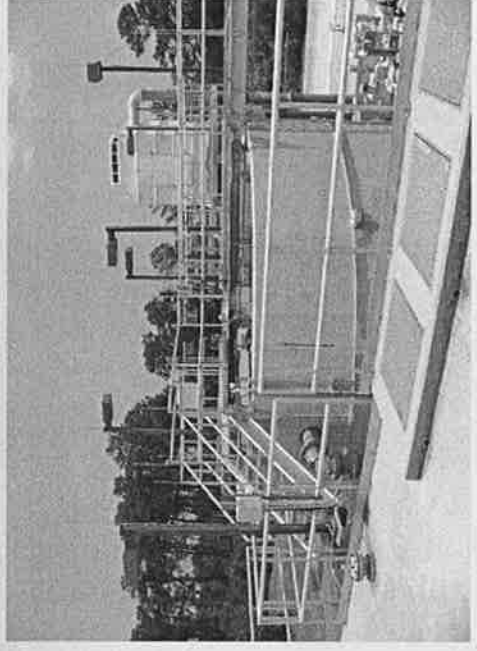
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- Treatment plant, distribution system 35 years old
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Multiple Well Facility Replacements





# Capital Improvements North Brevard (Mims) Water System

Years	Total Costs
2014-23	\$ 9,564,000



# Capital Improvements

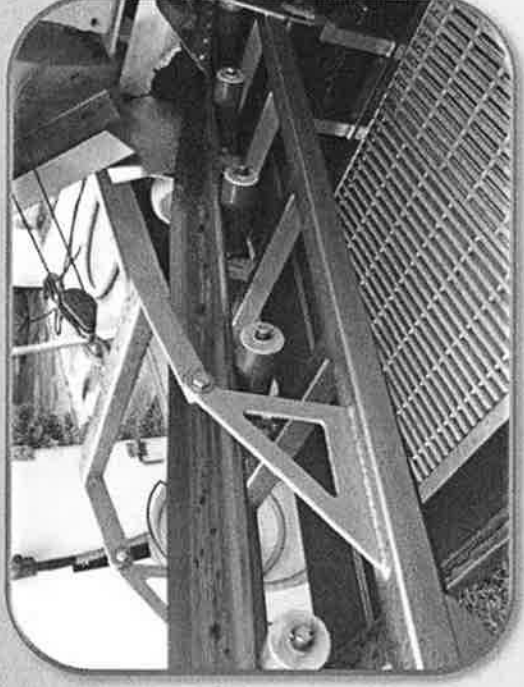
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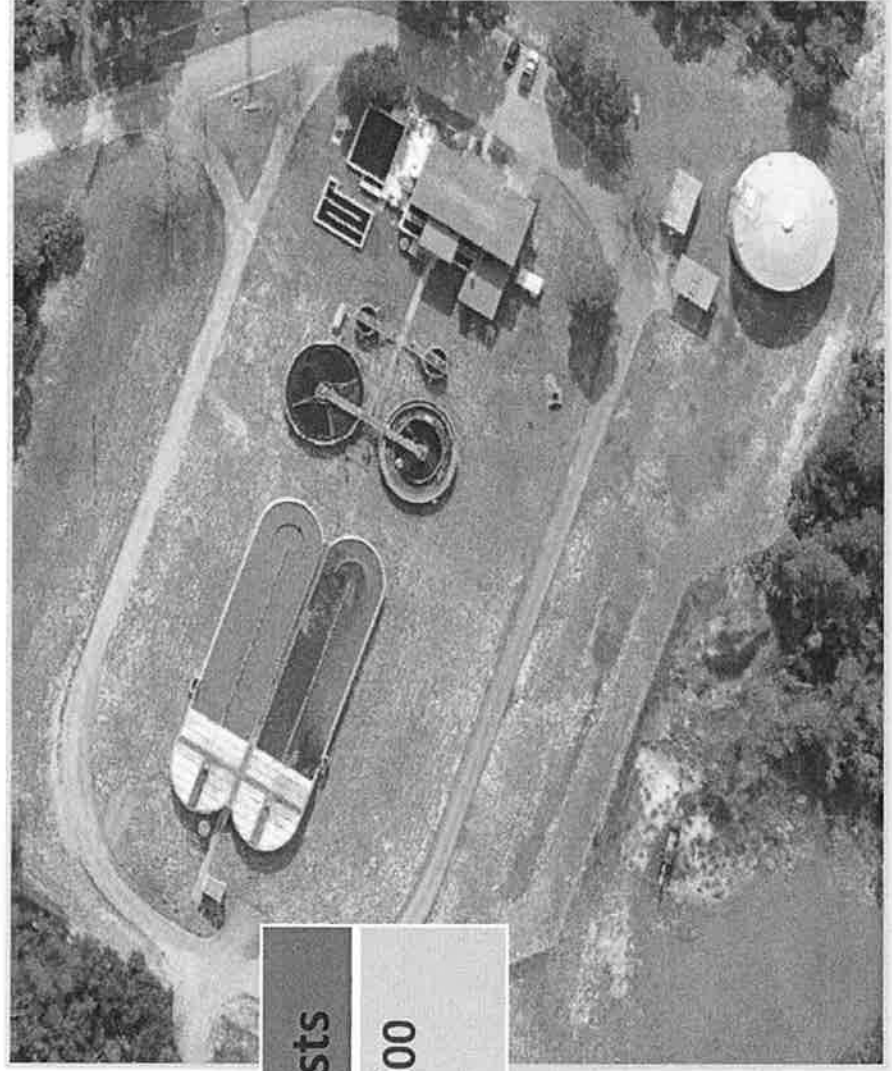


Lift Station N-3  
Replacement





# Capital Improvements North Brevard Wastewater System



Years	Total Costs
2014-23	\$ 5,107,000

# Capital Improvements

## Port St. John Wastewater System



- Treatment plant and collection system are 35 years old - former Suntree plant relocated to Port St. John
- Total rehab of existing plant
- Upgrading master lift station



Lift Station J-02  
Replacement

Rebuild existing WWTP  
Cost = \$2,500,000



# Capital Improvements Port St. John Wastewater System



Years	Total Costs
2014-23	\$6,615,000

# Capital Improvements

## Sykes Creek Wastewater System



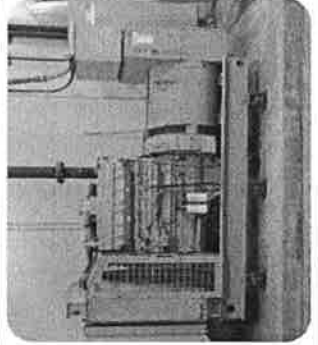
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Replace Headworks Screening and Grit Removal



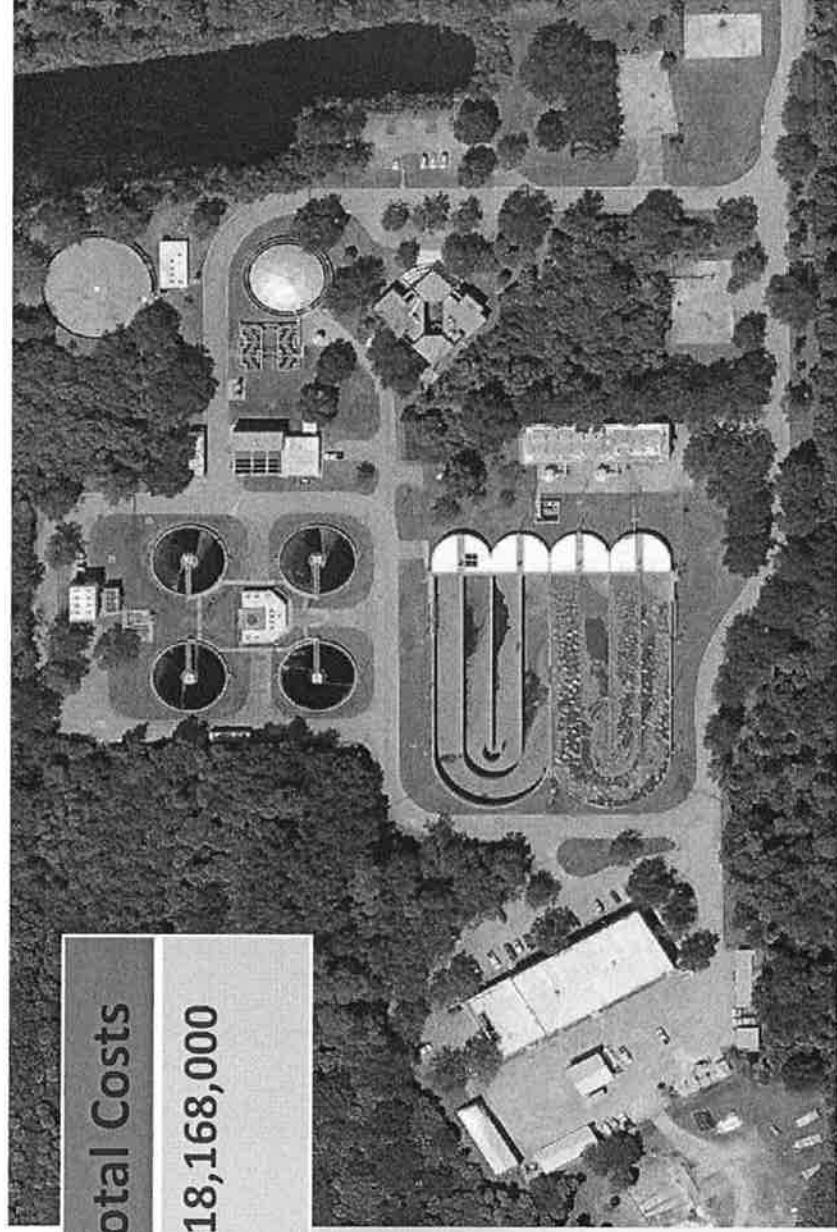
Lift Station C-18 Upgrades



Lift Station M-20 and Generator Replacement



# Capital Improvements Sykes Creek Wastewater System



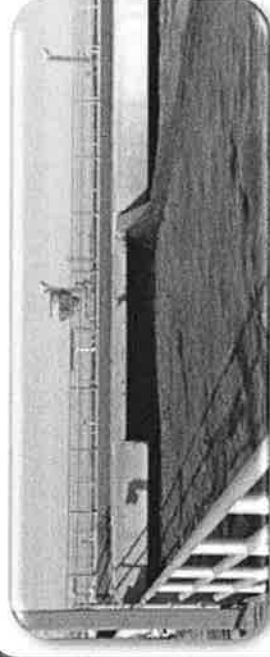
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# Capital Improvements

## South Central Wastewater System



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Supplemental Aeration/Process Control



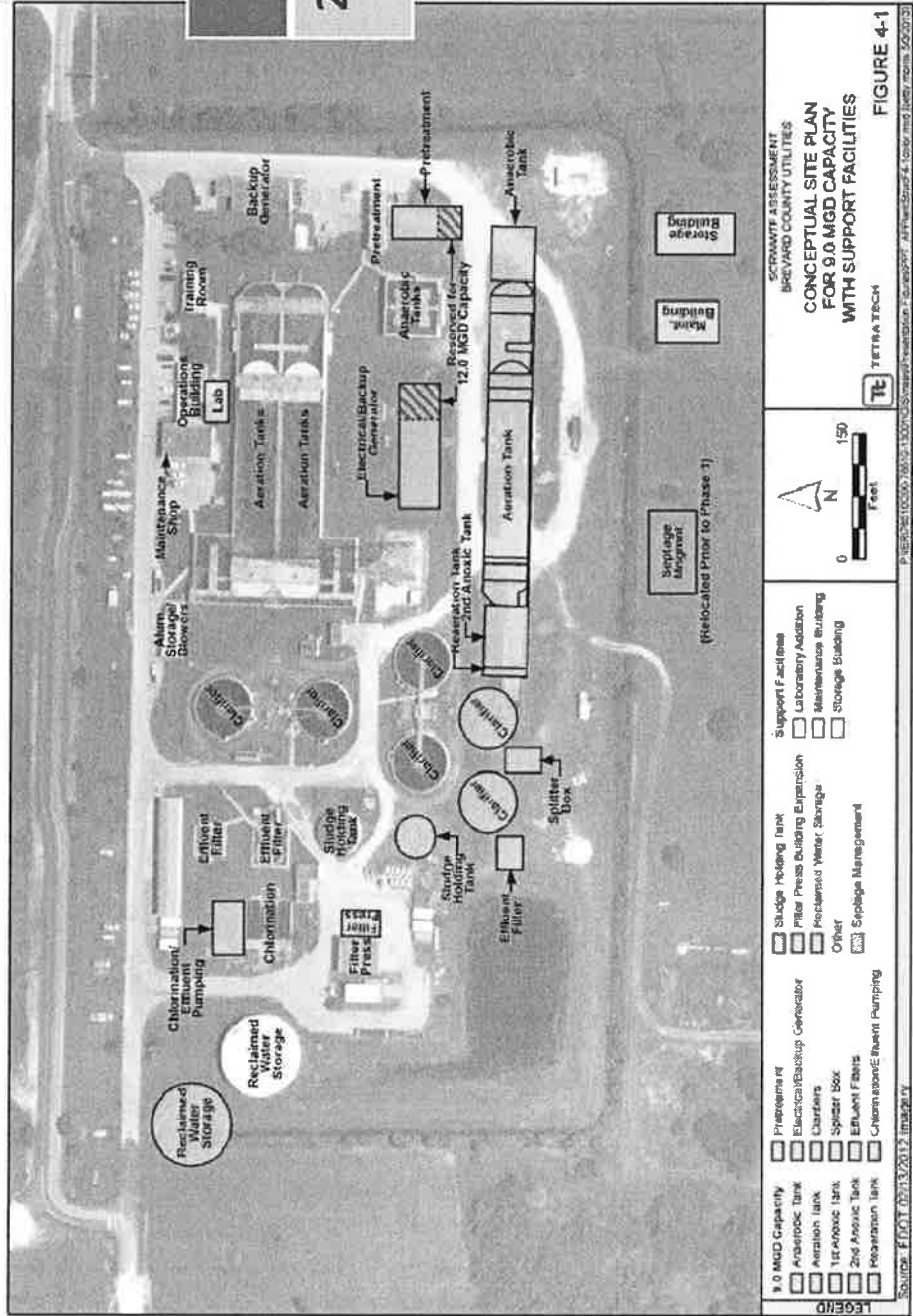
Replace Grease-Septage Pretreatment System



# Capital Improvements

## South Central Wastewater Plant Expansion

### 5.5 MGD to 12.0 MGD



Years	Total Costs
2014-17	\$28,515,000

# Capital Improvements

## South Beaches Wastewater System



- Portions of treatment plant and collection system 44 years old - Highly corrosive environment
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Influent Structure  
and Screening  
Improvements

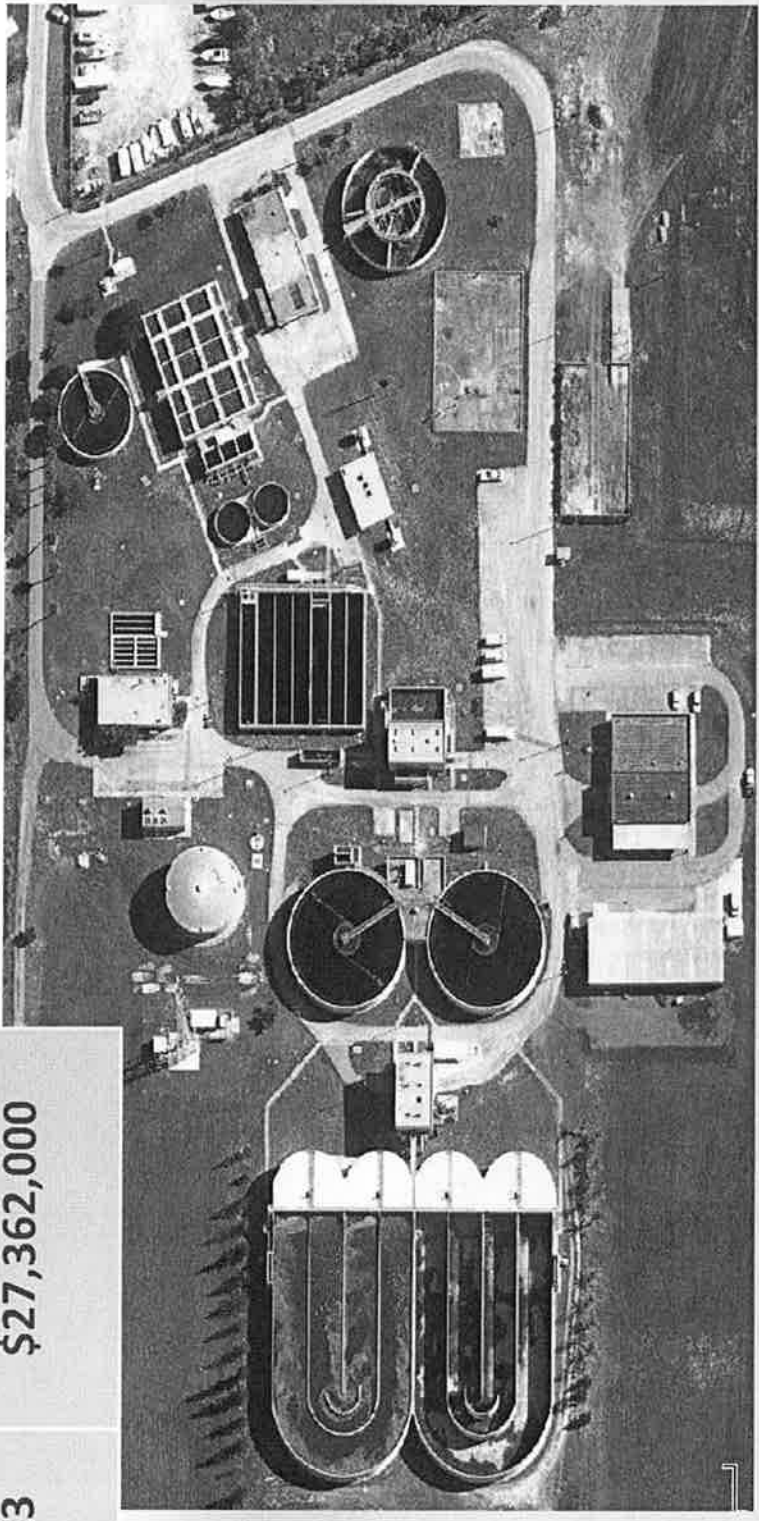


Lift Station  
B08 Rehab



# Capital Improvements South Beaches Wastewater System

Years	Total Costs
2014-23	\$27,362,000

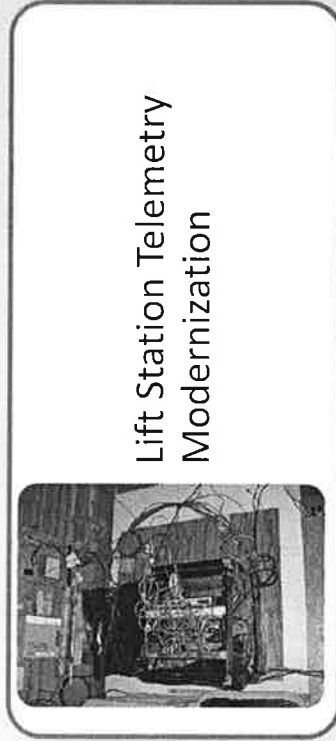


# Renewal and Replacement

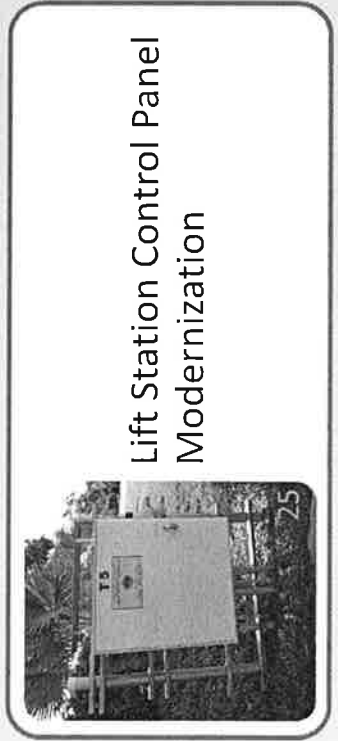
## County System-Wide



Collection system inflow and infiltration (I&I), leaking and causing higher flows



Lift Station Telemetry Modernization



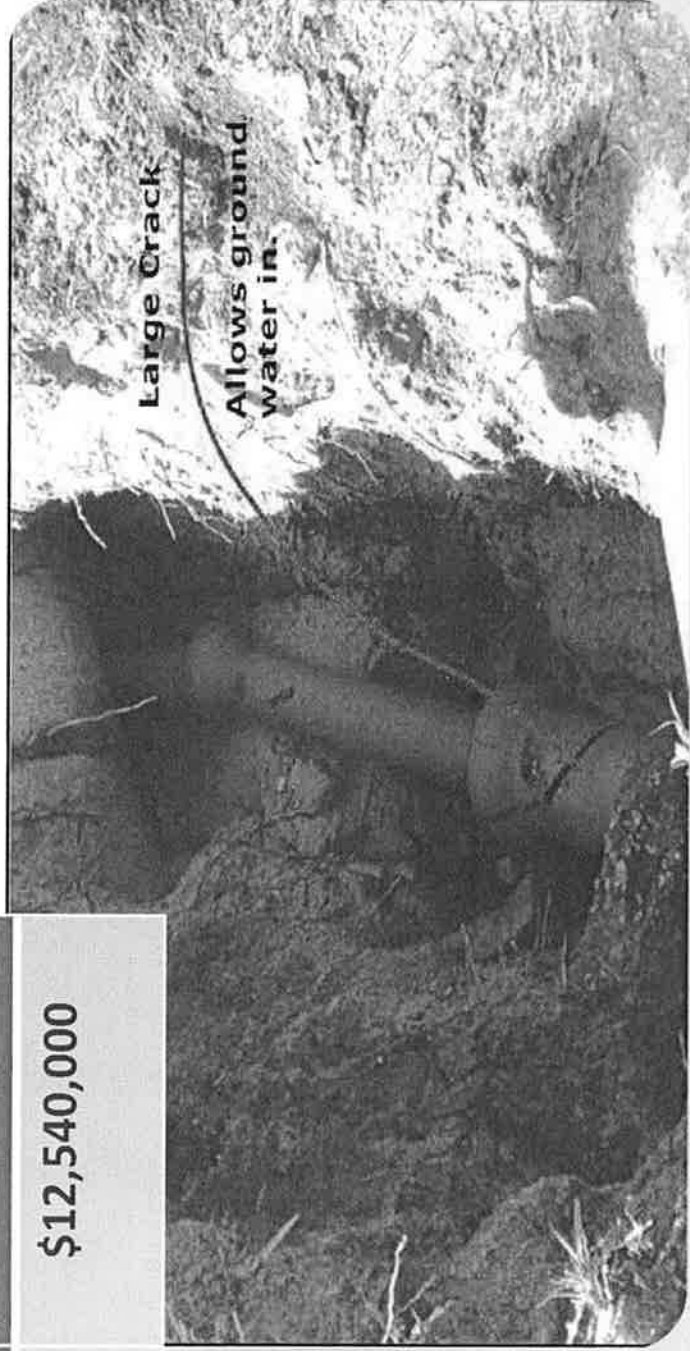
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# Renewal and Replacement County System-Wide



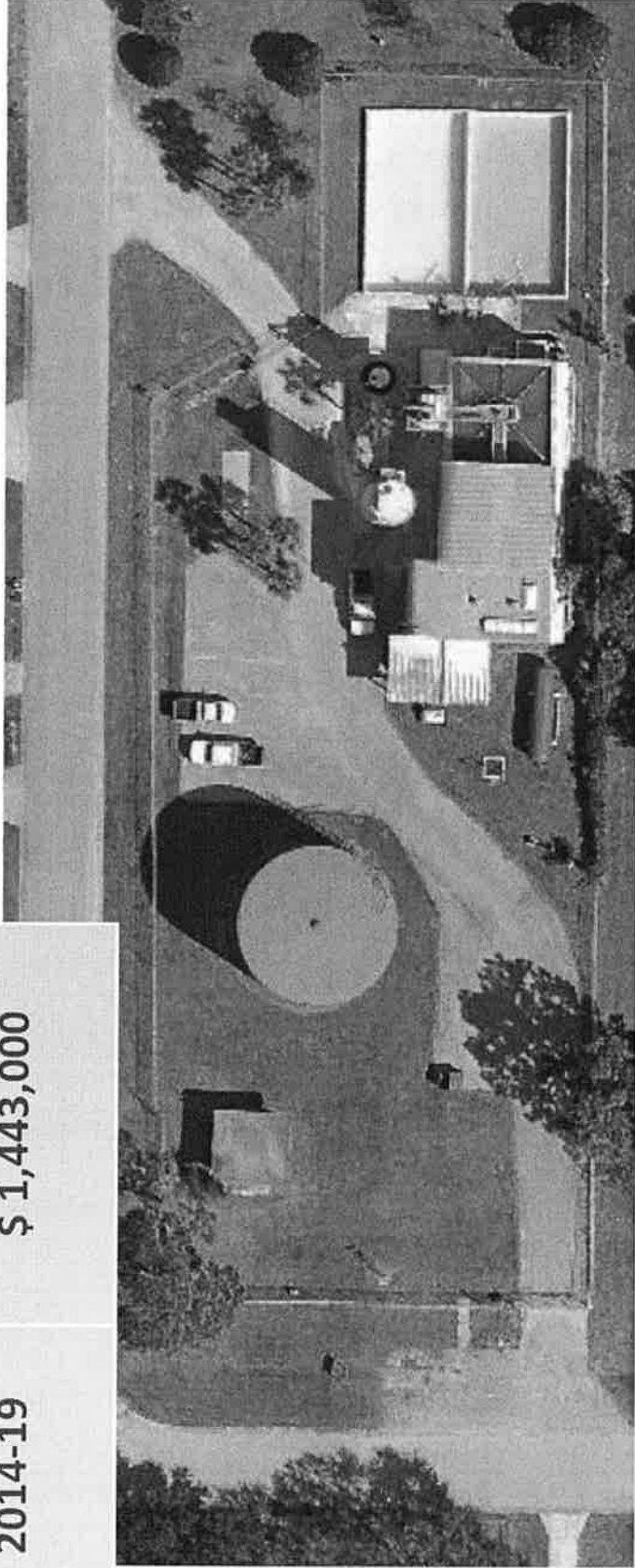
Years	Total Costs
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# Capital Improvements Barefoot Bay Water System



Years	Total Costs
2014-19	\$ 1,443,000





# Utility Services Department

- Questions From the Board