

# WATER & SEWER ENTERPRISE FUNDS

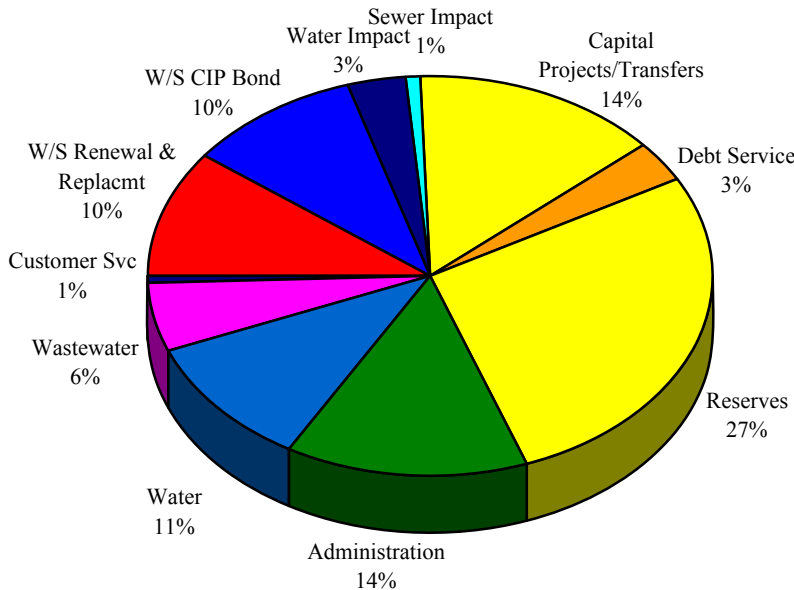
## OPERATED BY UTILITY SERVICES

*Chris Helfrich, P.E., Director*  
*Vacant, Deputy Director*

The mission of the Utility Services Department, operating in the Water & Sewer Enterprise Funds, is to provide water and sewer services to approximately 34,600 accounts, including residential, commercial, industrial and educational. The service area extends

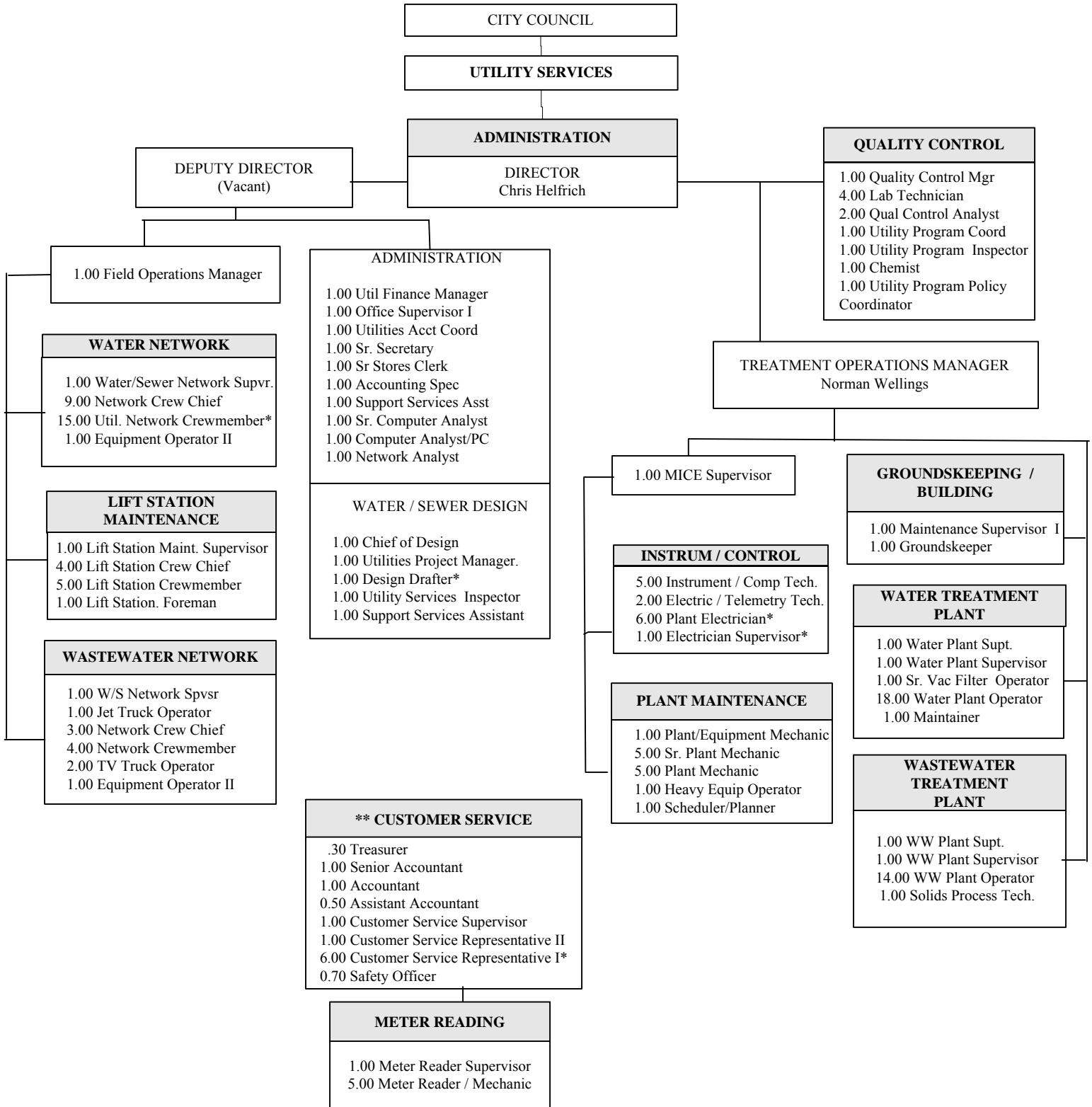
Glades Road Water Treatment Plant (WTP) has a treatment capacity of 80 MGD with fully computerized control and monitoring of the supply, production and distribution facilities. This includes a 40 MGD membrane Softening Plant to replace a portion of the L

The Wastewater Treatment Plant has a treatment capacity of 17.5 million gallons per day (MGD). An integral part of the plant is a wastewater reuse system, which is capable of treating 9 MGD of effluent for irrigation purposes and in-plant use.



DIVISION	APPROVED 2007-08 BUDGET
Administration	\$ 14,985,500
Water	11,680,400
Wastewater	6,032,300
Customer Service	728,300
W/S Renewal & Replacmt	11,003,700
W/S CIP Bond	11,000,000
Water Impact	3,484,000
Sewer Impact	1,000,000
Capital Projects/Transfers	15,547,000
Debt Service	3,493,900
Reserves	30,029,300
<b>TOTAL</b>	<b>\$ 108,984,400</b>

EXPENDITURE BY CATEGORY	ACTUAL 2005-06 BUDGET	APPROVED 2006-07 BUDGET	REVISED 2006-07 BUDGET	APPROVED 2007-08 BUDGET
Personal Services	10,231,950	11,174,000	11,195,000	11,379,600
Other Operating	17,073,041	18,553,400	23,841,000	19,904,200
Supplies	3,270,901	4,582,100	4,796,100	4,574,300
Capital Outlay	-	18,414,800	21,976,800	30,276,100
Transfers	4,043,384	6,087,600	6,087,600	9,327,000
Debt Service	1,689,143	3,498,800	3,498,800	3,493,900
Depreciation	8,927,025	-	-	-
<b>Sub-Total</b>	<b>45,235,444</b>	<b>62,310,700</b>	<b>71,395,300</b>	<b>78,955,100</b>
Reserves	57,920,869	17,151,900	16,851,900	30,029,300
<b>TOTAL</b>	<b>103,156,313</b>	<b>79,462,600</b>	<b>88,247,200</b>	<b>108,984,400</b>
Full-time Employees	169.50	169.50	170.50	165.50



- 1.00 Deputy Director (Administration)
- 1.00 Design Drafter (Water/Sewer Design)
- 1.00 Construction project Manager
- 2.00 Plant Electrician (Instrum/Control)
- 1.00 Utilities Network Crewmember (Water Network)
- +1.00 Electrician Supervisor (Instrum/Control)
- 5.00

= BUDGET DIVISION

\*\* Supervised by the Financial Services Department

Approved Positions FY 06/07	169.50
Revised Positions FY 06/07	+ 1.00
Personnel Changes FY 07/08	<u>-5.00</u>
<b>Approved Positions FY 07/08</b>	<b>165.50</b>

## ADMINISTRATION

EXPENDITURE BY CATEGORY	ACTUAL 2005-06 BUDGET	APPROVED 2006-07 BUDGET	REVISED 2006-07 BUDGET	APPROVED 2007-08 BUDGET
Personal Services	4,628,030	4,982,400	5,003,400	5,016,400
Other Operating	8,019,442	8,847,500	8,886,800	9,223,100
Supplies	430,219	590,400	597,100	498,900
Capital Outlay	-	213,500	370,700	187,100
Transfers	477,300	475,000	475,000	60,000
Depreciation	3,672,881	-	-	-
<b>TOTAL</b>	<b>17,227,872</b>	<b>15,108,800</b>	<b>15,333,000</b>	<b>14,985,500</b>

### Description of Division and Activity

Oversee and direct the operation, maintenance and construction activities within the Department.

### Goal

Provide efficient customer service for the residents and businesses in the community. Ensure that all process control functions meet the highest quality control standards. Complete construction projects on schedule and within budget.

### Objectives 2007-08

- Complete construction of Spanish Village Phase II Sewer and Water Improvements.
- Begin construction Hidden Valley, Sewer and Water Improvements.
- Complete design/construction of Boca Raton Heights Sewer, Water and Stormwater Improvements.
- Begin design of Boca Raton Hills, Sewer and Water Improvements.
- Develop plan for a Reliability Centered Maintenance Program.
- Evaluate and present Utility Rate Structure to City Council.
- Continue with Public outreach programs.

### Achievements 2006-07

- Implement new backflow prevention ordinance.  
New backflow ordinance implemented and adopted.
- Implementation of historical system for water and wastewater facilities.  
Historical system successfully implemented.
- Construction of Spanish Village Phase II Sewer/Water Improvements.  
Spanish Village Phase II Sewer/Water Improvements project under construction.
- Design of parallel sanitary force main across the Intracoastal Waterway.  
Project pending funding from State.
- Begin design of Hidden Valley, Water and Sewer Improvements.  
Completed design of Hidden Valley, Water and Sewer Improvements project.

PERFORMANCE MEASURES Strategic Initiatives:	FY 2005-06		FY 2006-07		FY 2007-08
	Goal	Actual	Goal	Estimated	Target
<i>World Class Municipal Services</i> Percentage of Utility employees attending training courses 20 or more hours per year	65%	70%	70%	65%	70%
<i>Financially Sound City Government</i> Meter reading accuracy rate		17,943 95%		17,943 95%	17,943 99%
Number of stopped registers in system		1%		1%	1%
Number of stopped meters in system		1.3%			
Number of work orders completed within 1 business day (including tests)		90%		90%	90%

**WATER**

<b>EXPENDITURE BY CATEGORY</b>	<b>ACTUAL 2005-06 BUDGET</b>	<b>APPROVED 2006-07 BUDGET</b>	<b>REVISED 2006-07 BUDGET</b>	<b>APPROVED 2007-08 BUDGET</b>
Personal Services	2,652,007	2,960,300	2,960,300	2,968,600
Other Operating	4,796,595	5,057,400	5,093,900	5,765,700
Supplies	1,776,570	2,754,100	2,946,500	2,845,600
Capital Outlay	-	125,300	157,500	100,500
Depreciation	511,330	-	-	-
<b>TOTAL</b>	<b>9,736,502</b>	<b>10,897,100</b>	<b>11,158,200</b>	<b>11,680,400</b>

**Description of Division and Activity**

Operation and maintenance of a 70 MGD Water Treatment Plant. Maintain over 540 miles of water mains and 5,000 fire hydrants. Operation and maintenance of 56 raw water production wells. Provide laboratory testing.

**Goal**

To provide treatment, distribution, and storage of potable water for human consumption, irrigation and fire protection in conformance with local, state and federal standards.

**Objectives 2007-08**Water Treatment Plant

- Begin rehabilitation of gravity filters.
- Complete painting of lime treatment unit #2 and ground storage tanks.
- Begin construction of three new production wells in Countess de Hoernele Park.
- Continue with security enhancement at water treatment and the water distribution system.
- Rehabilitation of Lime Softening Unit #2

Water Network

- Continue to locate main line valves for efficient operations and customer service.
- Evaluate water demands in North Federal and Downtown area.

**Achievements 2006-07**Water Treatment Plant

- Rehabilitation of Lime Softening Treatment Unit #2.  
Project postponed until FY 07/08 due to funding not available.
- Continue optimizing the operation of membrane softening facility.  
Project ongoing
- Install three (3) new wells in Blue Lake area  
Project postponed until FY 07/08 - pending site plan approval of Countess de Hoernele Park.

Water Network

- Repair and replace water mains, service lines and meters as needed.  
Project ongoing
- Repair and replace fire hydrants as needed.  
Project ongoing

PERFORMANCE MEASURES Strategic Initiatives:	FY 2005-06		FY 2006-07		FY 2007-08
	Goal	Actual	Goal	Estimated	Target
<i>World Class Municipal Services</i> Percentage of time drinking water surpasses state/federal standards	100%	100%	100%	100%	100%
<i>Strong Partnership with Our Stakeholders</i> Percentage of water service calls responded to within 2 hours.	100%	100%	100%	100%	100%

## WASTEWATER

EXPENDITURE BY CATEGORY	ACTUAL 2005-06 BUDGET	APPROVED 2006-07 BUDGET	REVISED 2006-07 BUDGET	APPROVED 2007-08 BUDGET
Personal Services	2,410,276	2,610,000	2,610,000	2,680,100
Other Operating	2,327,231	2,510,900	6,235,400	2,118,900
Supplies	1,063,545	1,236,600	1,251,500	1,228,800
Capital Outlay	-	56,000	127,900	4,500
Depreciation	791,546	-	-	-
<b>TOTAL</b>	<b>6,592,598</b>	<b>6,413,500</b>	<b>10,224,800</b>	<b>6,032,300</b>

### Description of Division and Activity

Operation and maintenance of a 17.5 MGD Wastewater Treatment Plant and 233 lift stations. Maintain over 106 miles of force mains and over 340 miles of gravity sewers.

### Goal

To provide treatment and disposal of wastewater in conformance with all local, state and federal standards. Monitor commercial, institutional and industrial firms for compliance with the wastewater pretreatment standards.

### Objectives 2007-08

#### Wastewater Plant

- Complete rehabilitation of primary clarifier project.
- Bid and award reclaimed water production expansion project.

#### Lift Station Maintenance

- Continue rehabilitation of lift stations.

#### Waste Water Network

- Continue rehabbing manholes as needed.

### Achievements 2006-07

#### Wastewater Plant

- Bid and award rehabilitation of primary clarifiers.  
Project Completed.
- Complete design; bid and award upgrade to aeration system  
Project delayed until FY 08/09 - pending regulatory changes.
- Complete design of reclaimed water production expansion.  
Design of reclaimed water production expansion project complete.

#### Lift Station Maintenance

- Continue rehabilitation of lift stations.  
Completed rehabilitation of 10 lift stations.

Achievements 2006-07
<p><u>Waste Water Network</u></p> <ul style="list-style-type: none"> <li>• Continue rehabbing manholes as needed. Project ongoing.</li> <li>• Continue lining gravity mains as needed. Project ongoing.</li> </ul>

PERFORMANCE MEASURES Strategic Initiatives:	FY 2005-06		FY 2006-07		FY 2007-08
	Goal	Actual	Goal	Estimated	Target
<i>World Class Municipal Services</i>					
Percent of raw waste water flowing into treatment facility.	100%	100%	100%	100%	100%