

# **WATER AND SEWER**

**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/ADMINISTRATION (I.T., CUSTOMER SERVICE, FINANCE & SUPPLY)

**PROGRAM DESCRIPTION:** This program is responsible for the administrative functions of the department. Responsibilities include accounting, billing, customer service, debt collection, IT, SCADA (supervisory control and data acquisition), logistics, project and maintenance costing, contract and grant administration, personnel functions, and budget administration.

**REVENUE:** The Water & Sewer enterprise fund receives revenue through monthly customer billings, capacity expansion charges and related ancillary charges for use of both the Water and Sewer systems within the Okaloosa County service area. The funds customer base is currently in excess of 37,000 water service and 34,000 sewer service connections both residential and commercial.

**MAJOR ACCOMPLISHMENTS LAST YEAR:**

- Continued to promote green options including e-billing and e-payments resulting in a reduction in the number of paper bills mailed each month.
- Continued to provide multiple options for payment of water & sewer bills including online and via the IVR (Integrated Voice Response) system, including online check payments.
- Maintained an extremely low level of bad debt write offs (below 1% of revenue).
- Migrated additional physical servers to the virtual environment within IT and SCADA to replace outdated servers. Continue green movement that decreases the number of physical servers needed.
- Continue to increase SCADA communications dependability by adding a T1 dedicated IP circuit to handle remote communications from the Verizon and Sprint private networks.
- Implemented inventory custody and controls as well as segregation of duties based on independent auditors recommendations. This includes fencing and securing of materials and separating duties and functions of the Logistics Division into two separate divisions; Finance Division and Logistics Division.
- Implemented a water distribution backup system to handle network traffic and remote viewing in the event of a T1/ISP network outage. (SCADA)
- Continued improvement of network security at router and switch level.
- Continued development of Wonderware 2014 Application.
- Assigned wireless modems to SCADA application users providing mobile connectivity.
- Completed the Windows XP to Windows 7 migration
- Assisted with the VGB implementation in the Newcastle and Shalimar areas by creating new routes, processing meter exchanges, and providing technical assistance with the interrogators.
- Worked with Sensus to seamlessly convert from radio read's to VGB while the Bluewater Bay tank was undergoing maintenance and back to radio on completion.
- Worked with Electricians to wire and network the new supply office.
- Worked with Warren Hollow (vendor), Judicial, and Sheriff Department IT to retrofit the 4<sup>th</sup> floor doors to a secured entry system and facilitate housing of network equipment in the IT server room.
- Established initial documentation of accounting procedures and processes department wide, including steps for year-end processing.

**PROGRAM GOAL:** To provide the administrative support necessary to operate these “back office” services, including all OCWS purchasing and inventory. To provide excellent customer service to our rate payers through all available means, including face to face, via telephone or internet. To also provide a high level of “internal customer service” as it relates to other departments within the water & sewer fund.

**KEY OBJECTIVES:**

1. Meet staffing challenges, such as recruiting, hiring, and retaining employees within the program.
2. Replace equipment that is past its useful life to prevent wasted man hours and poor customer service due to equipment failures and time needed for repair.
3. Ensure budgetary, personnel, customer service and purchasing functions comply with County policies and procedures.
4. Maintain and extend the useful life and utility of OCWS IT & SCADA infrastructure.
5. Reduce overall per capita consumption through the promotion and utilization of conservation techniques.
6. Ensure the preservation and safe operation of all work related equipment.
7. Provide accurate and timely customer billing.
8. Provide prompt and courteous customer service.
9. Provide all required computer support for the department.
10. Provide budgetary guidance and support to the department.
11. Increase awareness of conservation strategies and reduce energy costs throughout the department.
12. Continue to maintain annual bad debt write offs at a level of less than 1% of yearly billings.

The following projects are planned for FY2017:

- IT continues to fine tune the website to meet customer and county requests.
- We will be deploying OSTicket, which is an open source ticketing system, allowing IT to better visualize the volume of support requests handled.
- Billing will be transferring from a physical hardware based solution to a cloud based solution for our Flexnet radio read system.
- Assist with the mass meter switch out for meter entry and work orders
- Continue to assist with the large meter switch out.
- Continue to assist with personnel relocation and associated IT assets.
- IT will be increasing total storage capacity for the department with an upgrade from a 4TB storage system to a 14TB system. This upgrade will facilitate expected future expansion into digital document retention.
- Deploy ruggedized laptops for field operation personnel
- Deploy the Fusion / Converge module to facilitate mobile payments.
- Upgrade the virtual environment from VMWare ESXI 5.5 to ESXI 6
- Upgrade the AMR software to remediate an upcoming end-of-life issue with the current software.
- SCADA plans to implement a new virtual system to be located at APWRF as well as implement a Disaster Recovery solution.
- Upgrade APWRF’s software packages to expand capabilities to the entire SCADA system, Mtelligence & CMMS software.
- Combine existing Wonderware systems, APWRF, Bob Sikes, and TESCO into latest iteration of Wonderware 2014.
- Convert remaining proprietary automation control systems to Allen Bradley.
- Add Meigs Seminole and Blueberry Tank to the SCADA system.
- Review and update the physical restructuring of the warehouse done in FY 2016 to be sure all relevant goals have been achieved.
- Continue to fine tune and update appropriate documentation of accounting procedures and processes department wide.

**PERFORMANCE MEASURES:**

<b>Performance Measures</b>		<b>Actual FY2015</b>	<b>Estimated FY2016</b>	<b>Approved FY2017</b>
<b>Efficiency</b>	Bad debt written off as a % of annual billings	<1.0%	<1.0%	<1.0%
	Customer Service Personnel Managing/FT-PT	13-1	13-2	13-2
	Water & Sewer accounts	34,000	35,000	37,000
	Number of new accounts set up - Water	8,988	9,200	9,500
	Number of new accounts set up - Sewer	7,527	7,800	8,000
	Number of Cut offs processed	6,324	6,500	6,800
<b>Effectiveness</b>	Total full-time positions in the department	122	126	128
	Vacant positions in the department	6	14	TBD
	Workforce vacancies (vacancies / total)	5%	11%	TBD
	Leadership positions in the department	19	20	20
	Leadership vacancies or new personnel	5	9	TBD
	Leadership turnover (vacancies or new / total)	26%	45%	TBD
	Total Bills processed monthly - in excess of	29,720	30,000	31,000
	Average number of monthly e-bills sent	2,415	3,000	3,200

**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/WATER OPERATIONS

**PROGRAM DESCRIPTION:** This program is responsible for assuring that safe and adequate water supplies are provided to users of the County water system. This is accomplished through a network of 21 wells, 20 water tanks, 746 miles of water distribution mains, 53 miles of water service lines, and 3,980 fire hydrants. Read in excess of 33,000 meters each month and maintain backflow preventer program.

**MAJOR ACCOMPLISHMENTS LAST YEAR:**

- Continued large meter testing & replacement program, and instituted additional checks and balances for large meter sets. In the past 12 months, for meters 3” and larger, 29 were replaced/set and 26 were tested for calibration.
- Brooks Bridge Water Main Bore (alternatives analysis) – install a second water supply line to Okaloosa Island, which would then serve as the primary water source to Okaloosa Island (main on bridge would serve as backup). This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- Future Water Supply (planning) – continue with Implementation Plan to ensure the sustainability of a safe, reliable, and adequate water supply in the future, with efforts focused along the Shoal River for an offline reservoir. Partnered with the U.S. Army Corps of Engineers on a future water supply alternatives analysis. Completed Shoal River Reservoir Land Acquisition – two purchases, totaling 641 acres of land, for a future off-line reservoir, surface water treatment plant, and supporting infrastructure. Land acquisition was partially funded by a Defense Infrastructure Grant.
- Mid County Tank #4 (land acquisition & design) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant. Approximately 1.1 acres of land was acquired for the tank and associated infrastructure.
- Newcastle Area Water System Improvements (construction) – provide new, larger water mains to the area, along with water meters and fire hydrants to provide increased fire protection and ensure the reliability of the system. This project was partially funded by a Florida Department of Economic Opportunity Community Development Block Grant.
- Poquito Bayou Water Main & Force Main Bores (construction) – replace the aging, deteriorated mains under Poquito Bayou with new directional bores.
- Replaced approximately 150 aging water meters in hard-to-read locations in the Shalimar area with new, modern meters with transmitters.

**PROGRAM GOAL:** Provide safe, adequate and affordable water supplies to users of the County water system. Provide seamless addition of new water customers. Repair & maintain water wells, tanks, and potable water booster pump stations. Maintain backflow preventer program. Read in excess of 33,000 meters each month and perform all account turn on and turn offs. Maintain the highest standard as it relates to all facets of the customer service function including new service set up, billing and collections. Insure strict compliance with ALL Federal and State requirements through periodic sample testing and constant monitoring.

**KEY OBJECTIVES:**

1. Meet staffing challenges, such as recruiting, hiring, and retaining employees in 2 primary areas: meter readers (high turnover) and licensed water operators (open positions with high demand/low supply).
2. Ensure budgetary, personnel, customer service and purchasing functions comply with County policies and procedures.
3. Preserve and protect infrastructure to provide quality of service to customers.
4. Maintain and extend the useful life and utility of County facilities.
5. Reduce overall per capita consumption through the promotion and utilization of conservation techniques.
6. Ensure the preservation and safe operation of all work related equipment.
7. Assure water meets all applicable State and Federal drinking water standards.
8. Assure system is operated in such a fashion as to meet peak loads in all service areas.

The following projects are planned for FY2017:

- Brooks Bridge Water Main Bore (design & construction) – install a second water supply line to Okaloosa Island, which would then serve as the primary water source to Okaloosa Island (main on bridge would serve as backup). This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- Marlowe Area Water System Improvements (construction) – provide new, larger water mains to the area, along with water meters and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Mid County Tank #4 & Connecting Water Main (construction) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant.
- Newport/Essex Area Water System Improvements (design & construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Residential Water Meter Replacement – replace aging, water meters system-wide and add dual check backflow devices and transmitters (for radio read or drive-by capabilities). This is the first year of a multi-year project to replace meters, many of which are 15-20 years old.

**PERFORMANCE MEASURES:**

Performance Measures		Actual FY2015	Estimated FY2016	Approved FY2017
Input	Volume of water produced (millions of gallons)	2,559	2,540	2,540
Efficiency	Number of Backflow Preventers / # of Testers	2,431/1	2,445/1	2,455/1
	Number of Meters Read / # of Meter Readers	33,165/6	34,000/6	36,000/6
	Number of Wells / # of Water Operators	21/4	21/4	21/4
	Number of Tanks / # of Water Operators	19/4	19/4	20/4
	Cost per gallon of water processed	0.0045	0.0041	0.0044
Effectiveness	Total square miles of service area	71.5	71.5	71.5

**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/WASTEWATER OPERATIONS  
(WATER RECLAMATION FACILITIES & LIFT STATIONS)

**PROGRAM DESCRIPTION:** This program is responsible for protecting the public health through the provision of sanitary sewers for wastewater collection (lift stations), treatment plants, and effluent disposal. It is responsible for protecting the environment by preventing the introduction of pathogens and excess nutrients into the ground and surface waters.

**MAJOR ACCOMPLISHMENTS LAST YEAR:**

- Maintained 24/7 standby coverage on all program components, lift stations, and water wells.
- Transported bio solids from all 3 wastewater reclamation facilities (WRFs) off site to be used as fertilizer.
- Operated and maintained compliance with FDEP permits on all 3 WRFs.
- Maintained 150 lift stations in our collection system.
- Maintained 225 acres of RIBs for effluent disposal at the Arbennie Pritchett WRF.
- Operated and maintained Public Access Reuse System for the City of FWB.
- Maintenance of pretreatment program for industrial users.
- Operated and maintained a State Certified Lab at the Arbennie Pritchett WRF.
- Maintain 48 stationary & portable generator sets.
- Provided electronic/mechanical support on 21 potable water wells and 19 tanks.
- Operations staff provides 24/7 customer service, monitors alarms & notifications for entire water & wastewater system.
- Increased receiving from septic contractors at the Arbennie Pritchett WRF to provide a safe and reliable means of disposal for an otherwise undesirable product.
- Camp Rudder Force Main & Lift Station (construction) – provide sewer service to Camp Rudder via 1 master lift station and approximately 8.6 miles of piping. This project will divert all wastewater flows from Camp Rudder to the Arbennie Pritchett WRF.
- Arbennie Pritchett Water Reclamation Facility (APWRF) Expansion (design) – Expand the current facility from 10 million gallons per day (MGD) to 15 MGD because of additional flow from Eglin AFB projects, the East County Service Area (diversion project mentioned above), and future growth. Project is funded with Capacity Expansion Charges that have been received from development projects.
- Diversion of East County wastewater from the Niceville-Valparaiso Regional Sewer Board (NVR SB) Plant to the Arbennie Pritchett Water Reclamation Facility (APWRF) (design) – construct a new force main and pump station to divert OCWS sewer flow from NVR SB to the APWRF. This will consolidate flows and reduce overall wastewater treatment cost for the flows from our East County Service Area (Bluewater Bay area). Project will also eliminate Rocky Bayou Lift Station, Post Office Lift Station, and miles of 14” aging, sewer force main. Pump station construction was completed, and design of force main is in progress.

**PROGRAM GOAL:** Protect public health by providing sanitary sewers for wastewater collection (lift stations), treatment plants, and effluent disposal. Provide seamless addition of new sewer customers. Repair and maintain 150 sewage lift stations, 3 water reclamation facilities (WRFs) and all other portions of the infrastructure. Maintain the highest standard as it relates to all facets of the customer service function including new service set up, billing and collections. Insure strict compliance with ALL Federal and State requirements through compliance sample testing and constant monitoring.

## KEY OBJECTIVES:

1. Meet staffing challenges, such as recruiting, hiring, and retaining employees in the Wastewater Treatment Plant Operator positions.
2. Ensure budgetary, personnel, customer service and purchasing functions comply with County policies and procedures.
3. Preserve and protect infrastructure to provide quality of service to customers.
4. Maintain and extend the useful life and utility of County facilities.
5. Ensure the preservation and safe operation of all work related equipment.
6. Provide adequate collection lines and treatment facilities to provide capacity for 85 GPD per capita.
7. Meet or exceed State and Federal wastewater treatment standards.
8. Protect ground and surface waters through provision of consistent high quality wastewater treatment.
9. Continue to ensure maximum efficiencies by utilizing the best operating practices.

The following projects are planned for FY2017:

- Arbennie Pritchett WRF Expansion – In addition to the 5MGD capacity expansion described on the previous page, acquire and install a new self-contained septage receiving station to be located at the Arbennie Pritchett WRF. The new station will have the capability to accept all septage and septic tank residuals, as well as FOG. (Fats, Oils, Grease) A new Federal rule banning the land application of septic tank residuals takes effect as of July 1<sup>st</sup>, 2016. OCWS is being proactive in accommodating septic contractors by providing them a safe and reliable means of disposal after the ban takes effect.
- Bob Sikes WRF – New membranes were installed in train one this past year. Train one is on-line and operating efficiently with new membranes. Membranes in train two, which were in operation for approx. seven years, have exhausted their life cycle and are no longer usable. We need to purchase new membranes to have in storage for back-up to support maintenance and redundancy toward train one.
- Russell Stephenson WRF – Grit and sand removal from both oxidation ditches. Both oxidation ditches of the Russell Stephenson WRF have been on-line for approximately 15 years without being drained and cleaned of grit and debris. Over time, sand and debris will collect on the bottom of the ditches and reduce required detention times. Although the plant is not in a state of non-compliance, these reduced detention times can and do create operational challenges to the process. Technology now exists which would enable cleaning the ditches without taking them off-line or draining. Removing the sand and debris from the ditches will improve the efficiency of the process and in turn reduce the operating cost of the facility.
- Reclaimed Water to City of Niceville and Eglin AFB (design & construction) – provide for facility upgrades at the APWRF to provide up to 4 MGD of reclaimed water capability and install approximately 11 miles of reclaimed water transmission mains to the City and Eglin AFB. This project has a rough-order-of-magnitude cost of \$8M, and is currently funded at \$3M, via a state appropriation administered by a FDEP Grant Agreement. This grant will fund the entire design and environmental work, the construction of the APWRF upgrades, and a portion of the pipeline.
- Meigs-Seminole Lift Station & Associated Force Mains (construction) – replace the aging and undersized Meigs-Seminole Lift Station, which currently pumps all the wastewater from Bluewater Bay to the NVRSB facility.



**PERFORMANCE MEASURES:**

<b>Performance Measures</b>		<b>Actual FY2015</b>	<b>Estimated FY2016</b>	<b>Approved FY2017</b>
Input	Total Wastewater treated (millions of gallons)	2,508	2,600	2,650
	Total number of trouble call outs (Wells, Tanks, Plants, Facilities)	1,106	1,200	1,250
Output	Dry Tons of Sludge Hauled	1,345	1,500	1,550
	Total number of pumps pulled	71	63	65
Efficiency	Total number of wastewater operators (3 plants)	11	13	14
	Cost per gallon of wastewater treated	0.0069	0.0060	0.0063
	Total Number of Technicians	9	9	9
Effectiveness	Total square miles of service area	42	42	42
	Total Public Access reuse water (millions of gals.)	135	120	130
	Interdepartmental project support (Airport, Road )	16	15	13

**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/ENGINEERING

**PROGRAM DESCRIPTION:** To provide service to the department and public in the area of engineering services for design, inspection, development review and acceptance, and to offer assistance to the public and staff relating to information regarding the operation of Okaloosa County Water & Sewer.

**MAJOR ACCOMPLISHMENTS LAST YEAR:**

Provided engineering, surveying, permitting, inspection, and project management services for the following:

- Arbennie Pritchett Water Reclamation Facility (APWRF) Expansion (design) – Expand the current facility from 10 million gallons per day (MGD) to 15 MGD because of additional flow from Eglin AFB projects, the East County Service Area (diversion project mentioned above), and future growth. Project is funded with Capacity Expansion Charges that has been received from development projects.
- Brooks Bridge Water Main Bore (alternatives analysis) – install a second water supply line to Okaloosa Island, which would then serve as the primary water source to Okaloosa Island (main on bridge would serve as backup). This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- Camp Rudder Force Main & Lift Station (construction) – provide sewer service to Camp Rudder via 1 master lift station and approximately 8.6 miles of piping. This project will divert all wastewater flows from Camp Rudder to the Arbennie Pritchett WRF.
- Diversion of East County wastewater from the Niceville-Valparaiso Regional Sewer Board (NVRSB) Plant to the Arbennie Pritchett Water Reclamation Facility (APWRF) (design) – construct a new force main and pump station to divert OCWS sewer flow from NVRSB to the APWRF. This will consolidate flows and reduce overall wastewater treatment cost for the flows from our East County Service Area (Bluewater Bay area). Project will also eliminate Rocky Bayou Lift Station, Post Office Lift Station, and miles of 14” aging, sewer force main. Pump station construction was completed, and design of force main is in progress.
- Future Water Supply (planning) – continue with Implementation Plan to ensure the sustainability of a safe, reliable, and adequate water supply in the future, with efforts focused along the Shoal River for an offline reservoir. Partnered with the U.S. Army Corps of Engineers on a future water supply alternatives analysis. Completed Shoal River Reservoir Land Acquisition – two purchases, totaling 641 acres of land, for a future off-line reservoir, surface water treatment plant, and supporting infrastructure. Land acquisition was partially funded by a Defense Infrastructure Grant.
- Garniers Area Sanitary Sewer Rehab (construction) – install cured-in-place liners on vitrified clay sewer mains and brick manholes to reduce the inflow and infiltration, which is currently inundating the wastewater collection system.
- Lake Pippin Area Sewer (alternatives analysis) – install public sewer to approximately 125 lots adjacent to Choctawhatchee Bay and Lake Pippin. This project is funded by a state appropriation administered by a FDEP Grant Agreement.
- Marlowe Area Water System Improvements (design) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Mid County Tank #4 (land acquisition & design) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant. Approximately 1.1 acres of land was acquired for the tank and associated infrastructure.

- Newcastle Area Water System Improvements (construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system. This project was partially funded by a Florida Department of Economic Opportunity Community Development Block Grant.
- PJ Adams Pkwy Water Main Relocation (design) – install a water transmission main to replace the existing main that is in conflict with the roadway 4-laning project. Project to occur in 4 phases from Hwy 85 to Interstate 10.
- Poquito Bayou Water Main & Force Main Bores (construction) – replace the aging, deteriorated mains under Poquito Bayou with new directional bores.

**PROGRAM GOAL** When land development projects are submitted, complete the review and issue comments within 15 business days. Begin new construction inspections within 48 hours of notification. With regards to underground utility mapping and as-built drawings, complete the gravity sewer. Continue to support OCWS projects in the Capital Improvement Plan by surveying, designing, permitting, and inspections as needed. Ensure accurate as-built construction plans are recorded for each completed project.

### **KEY OBJECTIVES:**

The primary mission of OCWS Engineering is to design, review, permit, and inspect new construction, either for land development projects or OCWS construction projects for the water and sewer system that benefit our customers. OCWS Engineering also provides surveying, computer aided-drafting, land/easement acquisition, and project management services for OCWS in-house construction projects. The primary deliverables of OCWS Engineering are approved construction plans and as-built construction plans. The following are key objectives:

1. To assure all development serviced by the system meets accepted standard specifications.
2. Provide engineering support to assure that the system meets its operation and maintenance standards.
3. Advise the director and senior managers regarding engineering and design services.
4. To increase the search for relationships that will result in the consolidation of potable water supply as well as wastewater treatment and disposal services – to ultimately save the customers and taxpayers money.

The following major projects are planned for FY2017:

- Arbennie Pritchett Water Reclamation Facility (APWRF) Expansion (construction) – expand the current facility from 10 million gallons per day (MGD) to 15 MGD because of additional flow from Eglin AFB projects, the East County Service Area (diversion project mentioned above), and future growth. Project is funded with Capacity Expansion Charges that has been received from development projects.
- Brooks Bridge Water Main Bore (design & construction) – install a second water supply line to Okaloosa Island, which would then serve as the primary water source to Okaloosa Island (main on bridge would serve as backup). This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- Diversion of East County wastewater from the Niceville-Valparaiso Regional Sewer Board (NVR SB) Plant to the Arbennie Pritchett Water Reclamation Facility (APWRF) (construction) – construct a new force main to divert OCWS sewer flow from NVR SB to the Arbennie Pritchett WRF. This will consolidate flows and reduce overall wastewater treatment cost for the flows from our East County service area.
- Garniers Area Sanitary Sewer Rehab (construction) – installed cured-in-place liners on vitrified clay sewer mains and brick manholes to reduce the inflow and infiltration, which is currently inundating the collection system. This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- GIS/Mapping – database to be improved and upgraded, by merging multiple datasets. Additional subsurface utility engineering to be completed as needed to accomplish the merger.
- Hwy 90 West Water Main Replacement (design & construction) – install a water transmission main to replace the aging pipeline that is regularly failing.

- Lake Pippin Area Sewer (design) – install public sewer to approximately 125 lots adjacent to Choctawhatchee Bay and Lake Pippin. This project is funded by a state appropriation administered by a FDEP Grant Agreement.
- Marlowe Area Water System Improvements (construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Meigs-Seminole Lift Station & Associated Force Mains (construction) – replace the aging and undersized Meigs-Seminole Lift Station, which currently pumps all the wastewater from Bluewater Bay to the NVRSB facility.
- Mid County Tank #4 & Connecting Water Main (construction) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant.
- Newport/Essex Area Water System Improvements (design & construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- OCWS Operations Building (design) – construct a metal building along Oddfellow Road that would provide for a better, more efficient and consolidated use of land and would also allow OCWS Logistics to establish better control/consolidation of inventory. Building to house the following OCWS staff: Carpenter’s Shop, Engineering, Maintenance, SCADA, and Water Operations.
- PJ Adams Pkwy Water Main Relocation (construction) – install a water transmission main to replace the existing main that is in conflict with the roadway 4-laning project. Project to occur in four phases from Hwy 85 to Interstate 10.
- Reclaimed Water to City of Niceville and Eglin AFB (design & construction) – provide for facility upgrades at the APWRF to provide up to 4 MGD of reclaimed water capability and install approximately 11 miles of reclaimed water transmission mains to the City and Eglin AFB. This project has a rough-order-of-magnitude cost of \$8M, and is currently funded at \$3M, via a state appropriation administered by a FDEP Grant Agreement. This grant will fund the entire design and environmental work, the construction of the APWRF upgrades, and a portion of the pipeline.
- Taxiway H Water Main Extension (construction) – in partnership with County Airports and Eglin AFB, install a water main that will support the Aircraft Rescue & Fire Fighting Station and Eglin AFB’s water system. This project is funded by an FAA grant and payment in kind for the APWRF lease with Eglin AFB.

**PERFORMANCE MEASURES:**

<b>Performance Measures</b>		<b>Actual FY2015</b>	<b>Estimated FY2016</b>	<b>Approved FY2017</b>
<b>Input</b>	Land development projects submitted for review	20	25	30
	Land development construction projects commenced	16	16	20
	Number of new sewer taps	154	160	170
	Number of new water taps	179	200	210
<b>Output</b>	Dollar value - new sewer taps	\$489,135	\$520,000	\$600,000
	Dollar value - new water taps	\$167,253	\$190,000	\$250,000
	State Permits obtained for in house projects	8	13	14

**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/UTILITIES OPERATIONS

**PROGRAM DESCRIPTION:** This program is responsible for providing support services to the OCWS in-house construction team and the buildings and facilities within the fund. This includes carpentry, masonry, painting, maintenance, janitorial services and landscaping.

**MAJOR ACCOMPLISHMENTS LAST YEAR**

- Constructed fence and assisted with site work at Main Island lift Station.
- Constructed fence and assisted with the construction of the East County Repump Station.
- Assisted with site restoration (driveway repair and road cuts) for the Newcastle Area Water System Improvements.
- Repaired drywall and painted the 4<sup>th</sup> floor of the Water and Sewer Administrative Building for County Judges.
- Repaired drywall and painted the 2<sup>nd</sup> floor of the Water and Sewer Administrative Building.
- Remodeled and added security fences for the logistics office and outlying logistics yards.
- Assisted with the construction of the Camp Rudder Lift Station.

**PROGRAM GOAL:** To provide timely and efficient operational support to the water and sewer enterprise fund. To maintain clean and safe facilities for both staff and the public. Repair and care for the infrastructure of water & sewer buildings, facilities and grounds.

**KEY OBJECTIVES:**

1. Ensure budgetary, personnel, customer service and purchasing functions comply with County policies.
2. Preserve and protect infrastructure to provide quality of service to customers.
3. Maintain and extend the useful life and utility of County facilities.
4. Ensure the preservation and safe operation of all work related equipment.

The following projects are planned for FY2017:

- Continue to assist & support in all projects listed throughout the entire department.

**PERFORMANCE MEASURES:**

Performance Measures		Actual FY2015	Estimated FY2016	Approved FY2017
Input	Number of work orders responded to (facilities)	95	97	100
	Number of work orders responded to (constr.)	43	46	50
	Number of work orders responded to (repair)	104	110	115

**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/WATER & SEWER CONSTRUCTION

**PROGRAM DESCRIPTION:** This program is responsible for the installation of new water and sewer infrastructure and replacing aging infrastructure. Routinely installs new water mains, sewer mains, and lift stations to upgrade or extend service. Has the capability to perform other construction activities as required.

**MAJOR ACCOMPLISHMENTS LAST YEAR:**

- Camp Rudder Force Main & Lift Station (construction) – provide sewer service to Camp Rudder via 1 master lift station and approximately 8.6 miles of piping. This project will divert all wastewater flows from Camp Rudder to the Arbennie Pritchett WRF.
- Diversion of East County wastewater from the Niceville-Valparaiso Regional Sewer Board (NVRSB) Plant to the Arbennie Pritchett Water Reclamation Facility (APWRF) (design) – construct a new force main and pump station to divert OCWS sewer flow from NVRSB to the APWRF. This will consolidate flows and reduce overall wastewater treatment cost for the flows from our East County Service Area (Bluewater Bay area). Project will also eliminate Rocky Bayou Lift Station, Post Office Lift Station, and miles of 14” aging sewer force main. Pump station construction was completed, and design of force main is in progress.
- Marlowe Area Water System Improvements (design) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Mid County Tank #4 (land acquisition & design) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant. Approximately 1.1 acres of land was acquired for the tank and associated infrastructure. Constructed water main for the tank.
- Newcastle Area Water System Improvements (construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system. This project was partially funded by a Florida Department of Economic Opportunity Community Development Block Grant.
- PJ Adams Pkwy Water Main Relocation (design) – install a water transmission main to replace the existing main that is in conflict with the roadway 4-laning project. Project to occur in 4 phases from Hwy 85 to Interstate 10.
- Poquito Bayou Water Main & Force Main Bores (construction) – replace the aging, deteriorated mains under Poquito Bayou with new directional bores.
- Assisted Water Operations with residential and commercial meter exchanges.
- Assisted Maintenance with new taps and services
- Assisted Maintenance with aging water main replacements on Okaloosa Island.

**PROGRAM GOAL:** To execute all construction activities in a professional and economical fashion while maintaining the highest level of quality in all work performed. Consider the effect of all projects on the environment and proceed accordingly. Strive to do each project on time every time.

## KEY OBJECTIVES:

1. Ensure budgetary, personnel, customer service and purchasing functions comply with County policies and procedures.
2. Install new infrastructure to provide quality of service to customers.
3. Maintain and extend the useful life and utility of County facilities.
4. Ensure the preservation and safe operation of all work related equipment.
5. Maximize the use of department capital funding by completing construction projects with in-house capabilities.
6. Tie new construction into the system in a timely fashion.
7. Increase the utilization of “in house” resources for maximum cost savings, flexibility and timely completion of internal projects as well as to attract new clients to our customer base.

The following projects are planned for FY2017:

- Brooks Bridge Water Main Bore (design & construction) – install a second water supply line to Okaloosa Island, which would then serve as the primary water source to Okaloosa Island (main on bridge would serve as backup). This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- Diversion of East County wastewater from the Niceville-Valparaiso Regional Sewer Board (NVR SB) Plant to the Arbennie Pritchett Water Reclamation Facility (APWRF) (construction) – construct a new force main to divert OCWS sewer flow from NVR SB to the Arbennie Pritchett WRF. This will consolidate flows and reduce overall wastewater treatment cost for the flows from our East County service area.
- Hwy 90 West Water Main Replacement (design & construction) – install a water transmission main to replace the aging pipeline that is regularly failing.
- Lake Pippin Area Sewer (design) – install public sewer to approximately 125 lots adjacent to Choctawhatchee Bay and Lake Pippin. This project is funded by a state appropriation administered by a FDEP Grant Agreement.
- Marlowe Area Water System Improvements (construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Meigs-Seminole Lift Station & Associated Force Mains (construction) – replace the aging and undersized Meigs-Seminole Lift Station, which currently pumps all the wastewater from Bluewater Bay to the NVR SB facility.
- Mid County Tank #4 & Connecting Water Main (construction) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant.
- Newport/Essex Area Water System Improvements (design & construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- PJ Adams Pkwy Water Main Relocation (construction) – install a water transmission main to replace the existing main that is in conflict with the roadway 4-laning project. Project to occur in four phases from Hwy 85 to Interstate 10.
- Reclaimed Water to City of Niceville and Eglin AFB (design & construction) – provide for facility upgrades at the APWRF to provide up to 4 MGD of reclaimed water capability and install approximately 11 miles of reclaimed water transmission mains to the City and Eglin AFB. This project has a rough-order-of-magnitude cost of \$8M, and is currently funded at \$3M, via a state appropriation administered by a FDEP Grant Agreement. This grant will fund the entire design and environmental work, the construction of the APWRF upgrades, and a portion of the pipeline.

- Taxiway H Water Main Extension (construction) – in partnership with County Airports and Eglin AFB, install a water main that will support the Aircraft Rescue & Fire Fighting Station and Eglin AFB’s water system. This project is funded by an FAA grant and payment in kind for the APWRF lease with Eglin AFB

**PERFORMANCE MEASURES:**

<b>Performance Measures</b>		<b>Actual FY2015</b>	<b>Estimated FY2016</b>	<b>Approved FY2017</b>
<b>Input</b>	Footages/Miles of new mains and infrastructure	59,000/11.2	22,000/4.2	57,000/10.8
	Construction projects started / completed (@ year-end)	5/6	5/4	6/5
	Number of new sewer taps	154	160	170
	Number of new water taps	179	200	210
<b>Output</b>	Dollar value - new sewer taps	\$489,135	\$520,000	\$600,000
	Dollar value - new water taps	\$167,253	\$190,000	\$250,000



**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/MAINTENANCE

**PROGRAM DESCRIPTION:** This program is responsible for the repair and maintenance of 746 miles of water distribution mains, 53 miles of water service lines, 534 miles of sewer mains, 102 miles of sewer service lines, 3,980 fire hydrants, and 7,696 manholes. It is a multi-discipline approach involving specialized crews.

**MAJOR ACCOMPLISHMENTS LAST YEAR:**

- Brooks Bridge Water Main Bore (alternatives analysis) – install a second water supply line to Okaloosa Island, which would then serve as the primary water source to Okaloosa Island (main on bridge would serve as backup). This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- Camp Rudder Force Main & Lift Station (construction) – provide sewer service to Camp Rudder via 1 master lift station and approximately 8.6 miles of piping. This project will divert all wastewater flows from Camp Rudder to the Arbennie Pritchett WRF.
- Diversion of East County wastewater from the Niceville-Valparaiso Regional Sewer Board (NVRSB) Plant to the Arbennie Pritchett Water Reclamation Facility (APWRF) (design) – construct a new force main and pump station to divert OCWS sewer flow from NVRSB to the APWRF. This will consolidate flows and reduce overall wastewater treatment cost for the flows from our East County Service Area (Bluewater Bay area). Project will also eliminate Rocky Bayou Lift Station, Post Office Lift Station, and miles of 14” aging sewer force main. Pump station construction was completed, and design of force main is in progress.
- Garniers Area Sanitary Sewer Rehab (construction) – install cured-in-place liners on vitrified clay sewer mains and brick manholes to reduce the inflow and infiltration, which is currently inundating the wastewater collection system.
- Lake Pippin Area Sewer (alternatives analysis) – install public sewer to approximately 125 lots adjacent to Choctawhatchee Bay and Lake Pippin. This project is funded by a state appropriation administered by a FDEP Grant Agreement.
- Marlowe Area Water System Improvements (design) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Mid County Tank #4 (land acquisition & design) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant. Approximately 1.1 acres of land was acquired for the tank and associated infrastructure.
- Newcastle Area Water System Improvements (construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system. This project was partially funded by a Florida Department of Economic Opportunity Community Development Block Grant.
- PJ Adams Pkwy Water Main Relocation (design) – install a water transmission main to replace the existing main that is in conflict with the roadway 4-laning project. Project to occur in 4 phases from Hwy 85 to Interstate 10.
- Poquito Bayou Water Main & Force Main Bores (construction) – replace the aging, deteriorated mains under Poquito Bayou with new directional bores.

**PROGRAM GOAL:** To be on call and ready to perform any repair to any facet of the Okaloosa County Water & Sewer Systems' service area at any time 24/7/365. To handle all projects undertaken in a professional manner with a minimal amount of service disruption to our customers.

**KEY OBJECTIVES:**

1. Ensure budgetary, personnel, customer service and purchasing functions comply with County policies and procedures.
2. Preserve and protect aging infrastructure to provide quality of service to customers.
3. Maintain and extend the useful life and utility of County facilities.
4. Ensure the preservation and safe operation of all work related equipment.
5. To provide routine and preventative maintenance for the system.
6. To provide emergency response capabilities to prevent all but short term interruptions to service and prevent system losses or environmental damage.
7. To maintain and improve key components of the Water & Sewer infrastructure.

The following projects are planned for FY2017:

- Brooks Bridge Water Main Bore (design & construction) – install a second water supply line to Okaloosa Island, which would then serve as the primary water source to Okaloosa Island (main on bridge would serve as backup). This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- Diversion of East County wastewater from the Niceville-Valparaiso Regional Sewer Board (NVRSB) Plant to the Arbennie Pritchett Water Reclamation Facility (APWRF) (construction) – construct a new force main to divert OCWS sewer flow from NVRSB to the Arbennie Pritchett WRF. This will consolidate flows and reduce overall wastewater treatment cost for the flows from our East County service area.
- Garniers Area Sanitary Sewer Rehab (construction) – install cured-in-place liners on vitrified clay sewer mains and brick manholes to reduce the inflow and infiltration, which is currently inundating the collection system. This project is partially funded by a state appropriation administered by a FDEP Grant Agreement.
- GIS/Mapping – database to be improved and upgraded, by merging multiple datasets. Additional subsurface utility engineering to be completed as needed to accomplish the merger.
- Hwy 90 West Water Main Replacement (design & construction) – install a water transmission main to replace the aging pipeline that is regularly failing.
- Lake Pippin Area Sewer (design) – install public sewer to approximately 125 lots adjacent to Choctawhatchee Bay and Lake Pippin. This project is funded by a state appropriation administered by a FDEP Grant Agreement.
- Marlowe Area Water System Improvements (construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- Meigs-Seminole Lift Station & Associated Force Mains (construction) – replace the aging and undersized Meigs-Seminole Lift Station, which currently pumps all the wastewater from Bluewater Bay to the NVRSB facility.
- Mid County Tank #4 & Connecting Water Main (construction) – a second elevated water tank near the Bob Sikes Industrial Park would provide for increased storage, reliability, and redundancy for the potable water and fire suppression systems. This project is partially funded by a Northwest Florida Water Management District grant.
- Newport/Essex Area Water System Improvements (design & construction) – provide new, larger water mains to the area and fire hydrants to provide increased fire protection and ensure the reliability of the system.
- PJ Adams Pkwy Water Main Relocation (construction) – install a water transmission main to replace the existing main that is in conflict with the roadway 4-laning project. Project to occur in four phases from Hwy 85 to Interstate 10.

- Reclaimed Water to City of Niceville and Eglin AFB (design & construction) – provide for facility upgrades at the APWRF to provide up to 4 MGD of reclaimed water capability and install approximately 11 miles of reclaimed water transmission mains to the City and Eglin AFB. This project has a rough-order-of-magnitude cost of \$8M, and is currently funded at \$3M, via a state appropriation administered by a FDEP Grant Agreement. This grant will fund the entire design and environmental work, the construction of the APWRF upgrades, and a portion of the pipeline.
- Taxiway H Water Main Extension (construction) – in partnership with County Airports and Eglin AFB, install a water main that will support the Aircraft Rescue & Fire Fighting Station and Eglin AFB’s water system. This project is funded by an FAA grant and payment in kind for the APWRF lease with Eglin AFB.

**PERFORMANCE MEASURES:**

Performance Measures		Actual FY2015	Estimated FY2016	Approved FY2017
Input	Miles of Sewer main / Maintenance Personnel	552/7	534/7	540/7
	Miles of Water main / Maintenance Personnel	774/10	746/10	750/10
	Number of new sewer taps	154	160	170
	Number of new water taps	179	200	210
Output	Dollar value - new sewer taps	\$489,135	\$520,000	\$600,000
	Dollar value - new water taps	\$167,253	\$190,000	\$250,000
Efficiency	Feet/Miles of sewer lines cleaned	111,635/21.1	177,424/33.6	180,000/34.1
Effectiveness	Number of main breaks repaired - Water	833	681	700
	Number of main breaks repaired - Sewer	363	338	360
	Valves maintained	162	300	1,650
	Number of work orders (excludes taps & projects)	3,520	3,577	3,600
	Man hours per work order	3.89	7.5	6.5

**BOARD OF COUNTY COMMISSIONERS  
OKALOOSA COUNTY, FLORIDA**

**SERVICE AREA:** PHYSICAL ENVIRONMENT

**DEPARTMENT/PROGRAM:** WATER & SEWER ENTERPRISE FUND/LABORATORY

**PROGRAM DESCRIPTION:** This program is responsible for testing various water and wastewater samples to assure compliance with Federal and State regulatory requirements. These samples come from 3 wastewater treatment facilities, 39 monitoring wells, and various points throughout the water distribution system.

**MAJOR ACCOMPLISHMENTS LAST YEAR:**

- Performed a total of over 4,000 wastewater sample tests.
- Tested in excess of 936 water samples from monitoring wells.
- Completed in excess of 2,097 tests in both Bacteriology and Quality on County drinking water samples.
- Provided all required reports to DEP, EPA, and NW Florida Water Management District.
- Performed numerous testing on an as needed basis (outsourced, leachate, sand and grit).

**PROGRAM GOAL:** Through the timely testing and reporting of water quality, ensure the public has a safe supply. Make certain that all treated wastewater meets all required standards prior to discharge from the plant. Provide the public with an annual report on the quality of the drinking water and how samples are tested and monitored.

**KEY OBJECTIVES:**

1. Ensure budgetary, personnel, customer service and purchasing functions comply with County policies and procedures.
2. Maintain and extend the useful life and utility of County facilities.
3. Ensure the preservation and safe operation of all work related equipment.
4. Carry out required State and Federal laboratory testing to assure water and wastewater meet proper standards.
5. Perform all tests required by law, regulation and design standards, or contract with a laboratory capable of such tests at a cost efficient manner as needed.

The following projects are planned for FY2017:

- Perform all mandated wastewater sample tests.
- Test all required water samples from monitoring wells.
- Complete both Bacteriology and Quality tests on County drinking water samples.
- Provide all required reports to DEP, EPA, and NW Florida Water Management District.
- Prepare and distribute annual Consumer Confidence Report (CCR; water quality analysis) to the public.

**PERFORMANCE MEASURES:**

Performance Measures		Actual FY2015	Estimated FY2016	Approved FY2017
Efficiency	Annual lab tests performed / Lab personnel	4,430/5	>4,000/5	>4,000/5
	Annual lab tests performed / monitoring wells	726/34	456/39	456/39
	Number of lab tests on drinking water	2,173	>2,000	>2,000

**HISTORICAL STAFFING SUMMARY:**

<b>Category</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>
Full-time Administrative & Support	32	32	34	35
Full-time Management & Professional	15	15	15	15
Full Time Operations & Trades	75	75	77	79
Part Time	0	2	2	2
<b>Total</b>	<b>122</b>	<b>124</b>	<b>128</b>	<b>131</b>

**EXPENDITURES:**

<b>Category</b>	<b>Expenditures</b>		<b>Budget</b>		<b>FY16/FY17 +/-</b>	<b>Increase/ Decrease</b>
	<b>FY2014 Actual</b>	<b>FY2015 Actual</b>	<b>FY2016 Approved</b>	<b>FY2017 Approved</b>		
Personnel Services	\$5,863,852	\$6,223,669	\$7,627,261	\$7,888,390	\$261,129	3.4%
Operating Expenses	\$15,318,889	\$16,643,661	\$10,116,763	\$10,724,306	\$607,543	6.0%
Capital Outlay	\$4,601,298	\$3,509,773	\$21,568,500	\$24,391,000	\$2,822,500	13.1%
Debt Service	\$181,367	\$3,226,317	\$5,687,533	\$6,606,525	\$918,992	16.2%
Other Uses	\$0	\$0	\$20,277,145	\$22,853,320	\$2,576,175	12.7%
<b>Total</b>	<b>\$25,965,405</b>	<b>\$29,603,420</b>	<b>\$65,277,202</b>	<b>\$72,463,541</b>	<b>\$7,186,339</b>	<b>11.0%</b>

**ACCOUNTS:**

<b>Code</b>	<b>Category</b>	<b>FY2015 Approved</b>	<b>FY2016 Approved</b>	<b>FY2017 Approved</b>	<b>FY16/FY17 +/-</b>	<b>Increase/ Decrease</b>
10	SALARIES & WAGES	\$5,306,741	\$5,467,038	\$5,715,380	\$248,342	4.5%
	Funds two additional operational staff and a Contracts and Lease Coordinator.					
20	BENEFITS	\$1,960,415	\$2,160,223	\$2,173,010	\$12,787	0.6%
31	PROFESSIONAL SERVICES	\$414,000	\$425,500	\$400,000	(\$25,500)	-6.0%
	Reduction in consulting expenses.					
32	ACCOUNTING & AUDITING	\$27,500	\$27,500	\$77,500	\$50,000	181.8%
	Provides funding for an external assessment of the Water & Sewer fund.					
34	CONTRACT SERVICES	\$3,325,867	\$3,402,623	\$3,428,494	\$25,871	0.8%
40	TRAVEL & PER DIEM	\$7,200	\$9,200	\$9,200	\$0	0.0%
41	COMMUNICATIONS SERVICES	\$70,000	\$80,000	\$110,000	\$30,000	37.5%
	Increase due to conversion from black box analog to cable modems (SCADA)					
42	FREIGHT & POSTAGE	\$5,500	\$5,500	\$5,500	\$0	0.0%
43	UTILITY SERVICES	\$1,588,000	\$1,956,000	\$1,958,000	\$2,000	0.1%
44	RENTS & LEASES	\$384,323	\$391,789	\$399,405	\$7,616	1.9%
45	RISK MANAGEMENT ALLOCATION	\$503,456	\$503,456	\$393,428	(\$110,028)	-21.9%
	Decrease is due to insurance costs.					
46	REPAIR & MAINTENANCE	\$2,049,088	\$2,050,187	\$2,745,278	\$695,091	33.9%
	Increase primarily for water tank painting and repair.					
47	PRINTING & BINDING	\$1,750	\$2,000	\$2,000	\$0	0.0%
49	MISCELLANEOUS CHARGES	\$174,200	\$211,300	\$212,500	\$1,200	0.6%
51	OFFICE SUPPLIES	\$15,000	\$15,000	\$15,000	\$0	0.0%
52	OPERATING SUPPLIES	\$1,067,584	\$994,708	\$922,001	(\$72,707)	-7.3%
	Reduction primarily due to reduced Fleet fuel allocation.					
54	BOOKS/PUBS/SUBS & MEMBERSHIPS	\$21,000	\$21,000	\$21,000	\$0	0.0%
55	TRAINING & EDUCATION EXPENSES	\$15,000	\$21,000	\$25,000	\$4,000	19.0%
	Increase in training for additional staff - Primarily required for SCADA					
60	CAPITAL OUTLAY	\$18,815,594	\$21,568,500	\$24,391,000	\$2,822,500	13.1%
	Capital Outlay, Vehicles, & CIP					
71	PRINCIPAL	\$4,656,272	\$2,377,300	\$3,322,859	\$945,559	39.8%
	Result of bond refunding.					
72	INTEREST	\$3,664,004	\$3,309,233	\$3,283,666	(\$25,567)	-0.8%
73	OTHER DEBT SERVICE COSTS	\$1,750	\$1,000	\$0	(\$1,000)	-100.0%
	Result of bond refunding.					
81	AIDS TO GOVERNMENT AGENCIES	\$166,350	\$0	\$0	\$0	-
99	RESERVES	\$16,700,161	\$20,277,145	\$22,853,320	\$2,576,175	12.7%
	<b>TOTAL</b>	<b>\$60,940,755</b>	<b>\$65,277,202</b>	<b>\$72,463,541</b>	<b>\$7,186,339</b>	<b>11.0%</b>