

Davie County
Public Utilities Department

2014-2015
Proposed Budget

DEPARTMENTAL ACTIVITIES & GOALS

In 2013-2014 Davie County Public Utilities had a very successful year. We have received spec limits for a NPDES permit to continue to move forward with a new Eastern Davie WWTP. With the upgrade of two lift stations coupled with the expansion of capacity to the Forsyth County Utilities Commission which included an amendment to the existing agreement to pump a total of 750,000 gallons a day, boring of I-40 to allow access to sewer on the North side of I-40 and Wake Forest Baptist Hospital, upgraded all life stations to SCADA, added telemetry to be viewed at Cooleemee WWTP, worked to finish upgrades to Cooleemee WTP and Sparks Road WTP to make the plants fully automated, Davie County Public Utilities well trained, ambitious and motivated staff has accomplished much to support the growth of the system to accommodate all citizens of the County.

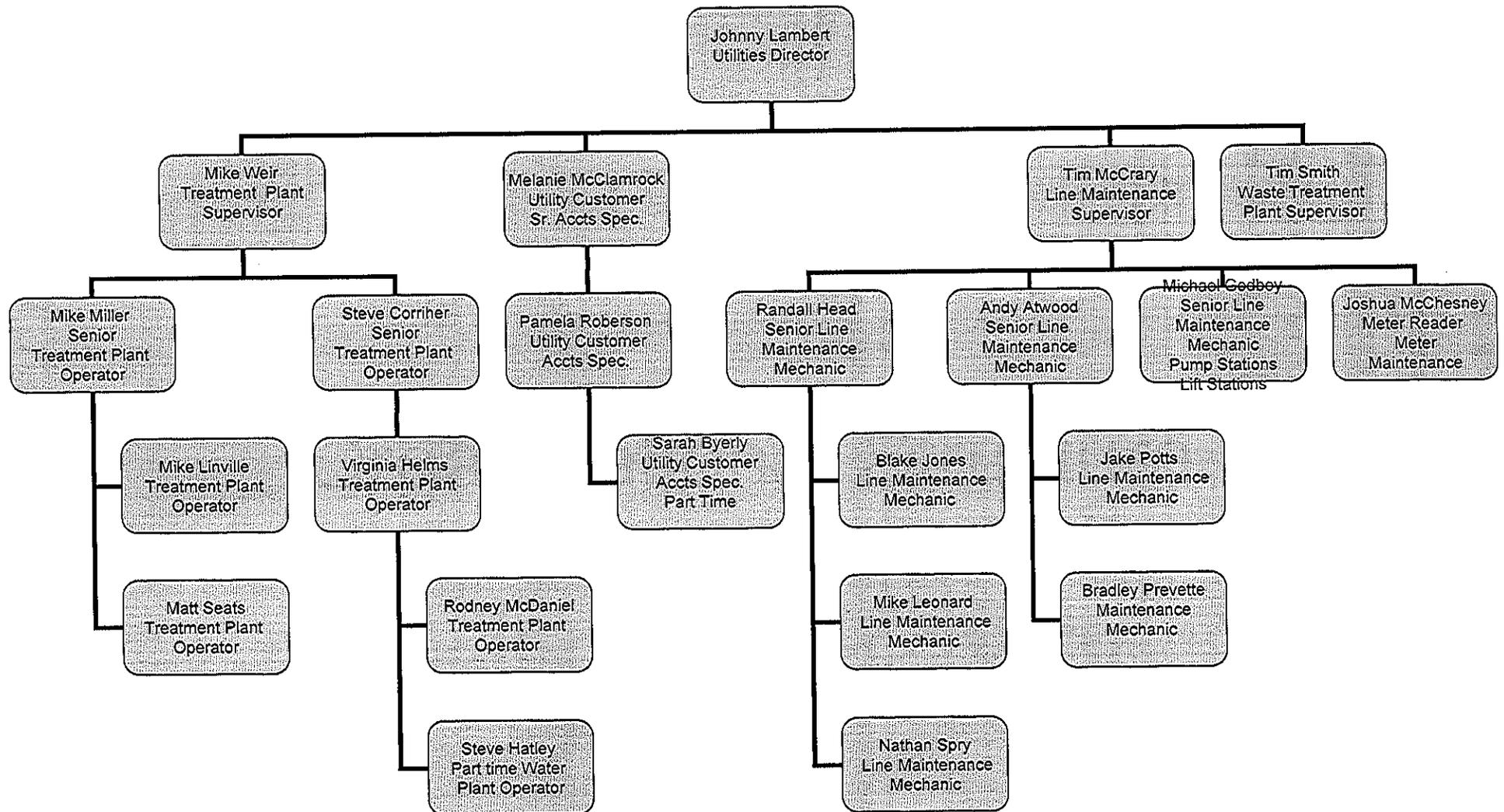
The 2014-2015 goals of the Public Utilities Department are to provide the highest quality drinking water and provide customer service to the residents of Davie County as efficiently as possible. We will seek advancements in our water and wastewater systems. We will continue with the installation of the automated meter reading system (AMR) anticipating a 95% system completion next year. We will continue to increase technology to make the operation of our facilities more efficient and cost effective. We will continue to increase our knowledge through certificate training in order to remain compliant with all rules and regulations implemented by state and federal agencies. This will establish a fully trained and functional staff of professionals for the citizens of Davie County. We will continue to cross train employees in their respective department to ensure a knowledgeable and well organized staff.

Due to Davie County Public Utilities being an enterprise fund, it is imperative that our rates for services accurately reflect and account for the cost to provide water and sewer services to the citizens of Davie County. The fees for services will be increased to accurately reflect the cost to provide this service; the rate structure is detailed in the attached spreadsheet. These rates are based on a rate analysis that was completed in January 2014 by Grey Engineering and as recommended the rates aggressively increase for Eastern Davie sewer.

It is very important that Davie County Public Utilities plan for future upgrades and these needs have been built into the rate study. This will help provide funding for extensions so that more residents will have the option to receive water and sewer services. We plan to move forward aggressively with the construction of a new waste water treatment plant in Eastern Davie County and will continue this process thru the 2015-2016 budget years. This will make Davie County a standalone utility with control of its own rates. We will continue to map the entire utility system recording the GPS coordinates of all valve, hydrant and meter locations. Davie County Public Utilities will strive to achieve AWOP awards for Sparks Road and Cooleemee water treatment plants; Cooleemee will seek to receive its first AWOP award becoming one of the oldest water treatment plants to be optimized in the State of North Carolina.

The Cooleemee Wastewater Treatment Facility will continue to look for ways to decrease our B.O.D and T.S.S discharge to further minimize our carbon footprint on the environment and maintain a positive relationship with NCDENR and the community. Davie County Public Utilities will continue to seek ways to modernize the water and wastewater treatment process to meet economic growth and will continue to serve as a premier utility.

Organizational Structure



ACTIVITY JUSTIFICATION

Activity: Administrative Employees	Number of 3.25	# of Full-time 2.25 # of Part-Time 1	Annual Cost: 303,434
Mandated by GS - NCGS # _____	County Cost: 0		Federal/State Cost: 0

Each Employee, Job Title, Duties/Responsibilities of Positions in the Activity:

Johnny Lambert	Director of Public Utilities 25% (Administrative)
Melanie McClamrock	Sr. Utility Customer Accounts Specialist 100% (Administrative)
Pamela Roberson	Utility Customer Accounts Specialist 100% (Administrative)
Sarah Byerly	Part Time Utility Customer Accounts Specialist 100% (Administrative)

Utility Director:

Work involves responsibility for division staffing, budget development and administration. Plans, organizes and directs the work of subordinate supervisors and employees. Provide back up and support to all subordinate personnel. Answers customers complaints, troubleshoots for billing concerns. Reporting for billing for the Town of Mocksville and Bermuda Run getting all audit information that is needed on a yearly basis to the finance department. Answers complaints from citizens, researches problems, and answers to their questions; adjusts bills for leaks, incorrect meter readings, etc. Works on rate maintenance and closely with billing software support to maintain a proper billing system.

SENIOR UTILITY CUSTOMER ACCOUNTS SPECIALIST:

An employee in this class is responsible for the activities which involve the generation and disbursement of the utility bills; handling customer inquiries relating to utility billings and general customer services; preparing and verifying a variety of reports and records; collecting utility bills and other revenues, coordinating with the field services functions and supervisory functions of the office staff. Work requires multiple detailed procedural steps and knowledge of the utility billing process and computer application. Work involves public contact functions, and requires considerable tact and courtesy. Work is performed under general supervision and is evaluated through conferences, by accuracy and timeliness of customer service records and bills, and thoroughness of assigned responsibilities. Reviews all billing reports for malfunction meters and accuracy of water and sewer usage prior to creating final billing report to submit for process. Performs route coordination with all AMR installation and enters GPS coordinates into the billing system. Processes all reporting for leak detection thru the AMR system and performs customer contacts regarding leaks

Utility Customer Accounts Specialist:

Enters meter readings and meter numbers into accounts as they change; enters customer deposits into system; calculates interest on deposits to refund and/or apply to final bill for customers closing their accounts. Prints edit list and reviews after initial meter readings are entered; identifies potential mis-reads and other potential problems; determines which meters require rereading. Coordinate the activities of the office with field personnel; coordinates with utility personnel the meter reading functions and the cutting on and off of services to customers. Answers complaints from citizens, researches problems, and answers to their questions; adjusts bills for leaks, incorrect meter readings, etc. Establishes new customer accounts; insures proper initial readings are entered; establishes, updates, and deletes accounts for multiple temporary development needs. Monitors the billing cycle and assures

that all records are submitted on a timely basis in order that established deadlines will be met. Researches and prepares special reports for management as requested on the assigned area of work. Provides general office and administrative support, reception, office management and records management for the Utilities Department; prepares time sheets and purchase requisitions. Determines customer problems regarding leaks, billings, etc.; determines when billing adjustments are appropriate.

Justify Need for Each Position in Detail (use additional pages if necessary):

Davie County Public Utilities serves 11,100 customers. Averaging around 100 plus phone calls daily, handling everything from water quality issues to emergency water and or sewer leaks, account inquires, returned checks, final bills, billing questions or concerns. Billing is done on a 60 day cycle. Non-payment of bills usually consists of an average of 200 to 250 customers that will be disconnected and reconnected. We have an average of 50 to 100 people a day walking in to transfer accounts, make payments, create accounts, or make an a acquire on an account. Davie County Public Utilities has a large number of invoices (water/sewer samples, utility bills ect.) that are coded and sent to finance. We provide all of the above billing & collection related services to the Town of Bermuda Run & the Town of Mocksville. All of the purchasing chemicals, parts, equipment, ect for the Public Utility department are preformed in Administration to create centralized purchasing. We generate all work orders, from July 2013 to December 1st 2013 we had 427 leaks, 500 rereads, 1560 miscellaneous work orders.

DAVIE COUNTY
ANNUAL BUDGET ESTIMATE - SUMMARY OPERATIONAL EXPENSE REQUEST

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Department: Public Utilities Admin

Account No.	Item	Remarks	Requested		Recommended	
				Non-Local Cost	Local Cost	Non-Local Cost
57010-510010	Salaries & Wages	100% Admin	87,910.00			
57010-510020	Part-Time Salaries	100% Admin	15,000.00			
57010-510040	Longevity	100% Admin	1,268.00			
57010-520050	FICA	100% Admin	6,725.00			
57010-520060	Group Hosp.Insurance	100% Admin	18,900.00			
57010-520070	Retirement	100% Admin	6,215.00			
57010-520080	Workman's Comp	100% Admin	1,750.00			
57010-520120	401KEmployer Supp	100% Admin	2,637.00			
57010-530120	Postage	100% Admin Printing Mailing Binding of bills	48,000.00			
57010-530300	Vehicle Tires	100% Admin Directors Truck Replace & Install	500			
57010-530310	Vehicle Gas & Oil	100% Admin Directors Truck	1,300			
57010-530320	Office Supplies	100% Admin Paper,Pens,Work orders, Door hangers	6,500.00			
57010-530330	Department Supplies	100% Admin Hinkles,Cintas,Walmart	5,000.00			
57010-540110	Telephone	100% Admin Office,Faxline,Internet,	1,300.00			
57010-540130	Utilities	100% Admin Gas,power	5,000.00			
57010-540450	Purchased Services	100% Admin Cintas,Lebleu,Pest control, adding machines	10,000.00			
57010-541540	Computer Service	100% Admin Billing System renewals,	9,500.00			
57010-550150	Building & Grounds	100% Admin Office, Signage, Heat/Ac,Building	1000			
57010-550160	Equipment Maint.	100% Admin printer,fax,copier	500			
57010-550170	Vehicle Maint.	100% Admin Directors Truck	500			
57010-560260	Advertising	100% Admin Jockey flow test Job Posting	500			
57010-560530	Dues & Subscriptions	100% Admin	1,900.00			
57010-560570	Miscellaneous	100% Admin Security @ Water Treatment & WWTP Cooleemee	5,000.00			
57010 580600	Equipment & Furniture	100% Admin New equipment and Furniture	0.00			
Totals			236,905.00			

ACTIVITY JUSTIFICATION

Activity: <p style="text-align: center;">Operations</p>	Number of Employees <p style="text-align: center;">11</p>	# of Full-time 10.75 # of Part-Time 0	Annual Cost:1,248,216
Mandated by 15a NCAC 18D .0206 NC DENR	County Cost:		Federal/State Cost: 0

Each Employee, Job Title, Duties/Responsibilities of Positions in the Activity:

Johnny Lambert	Director of Public Utilities 25% (Operations)
Timothy McCrary	Supervisor of Operations 75 % (Operations)
Michael Godbey	Senior Line Maintenance Mechanic 50% (Operations)
Randall Head	Senior Line Maintenance Mechanic 100% (Operations)
Ervin Atwood	Senior Line Maintenance Mechanic 100% (Operations)
Michael Leonard	Line Maintenance Mechanic 100% (Operations)
Joshua McChesney	Line Maintenance Mechanic 100% (Operations)
Jake Potts	Line Maintenance Mechanic 100% (Operations)
Nathan Spry	Line Maintenance Mechanic 100% (Operations)
Bradley Prevette	Line Maintenance Mechanic 100% (Operations)
Jonathan Jones	Line Maintenance Mechanic 100% (Operations)

UTILITIES DIRECTOR:

Work involves responsibility for division staffing, budget development and administration. Plans, organizes and directs the work of subordinate supervisors and employees. Participates in the maintenance and repair of water and sewer pumping stations, elevated storage tanks, and related facilities. Supervises the meter reading program, water service connections and disconnections and related utility customer response. Supervises the hiring, promotion, training, discipline, evaluation and other personnel actions and decisions for the division. Plans and implements safety programs including training, procedures and equipment as necessary. Researches and recommends strategies for meeting new regulatory requirements and serves as Operator in Responsible Charge (ORC) for the water distribution and cross connection backflow prevention program. Provides technical advice and guidance to County management regarding utilities, services, ordinances, fees, policies and related issues. Obtains quotes for supplies and equipment, generates purchase order request. Keeps records, prepares reports, prepares material and supply requisitions and maintains adequate inventory. Employee is also subject to on-call and call-back work.

Supervisor of operations

Performs responsible technical work supervising the work of a crew engaged in repair, replacement and installation of water and sewer lines and appurtenances. Work includes supervising the construction, maintenance and repair of water and sewer lines, hydrants, meter and valves, pumping stations, and lift stations. Work also includes planning work projects based on service extension needs, maintenance, and emergency needs; coordinating work with property owners: assigning crews to projects; inspecting work and resolving public complaints. Serves as Operator in Responsible Charge (ORC) for the sewer collections system Work also involves requesting and acquiring necessary resources for projects and supervisory responsibility for crew efficiency, quality and safety. Instructs workers in the appropriate safety procedures and enforces their use.

Plans preventive maintenance programs for hydrants, valves and meters as well as supervises meter change-out, testing, and repair programs. Employees is also subject to on-call and call-back work.

SENIOR LINE MAINTENANCE MECHANIC:

Operates heavy construction equipment requiring skill and care around underground utility lines; operates front end loader, dump trucks, jackhammers, tampers, pipe threading machines, tapping machines, trenchers, air compressors and boring machines. Serves as lead worker or crew leader on an assigned work group. Operates tapping machine to make water and sewer taps and service connections. Lays water and sewer pipe; adjusts pipe to proper grade and depth with laser; repairs and replaces sewer and water lines and related facilities. Installs, services and tests water meters and meter yokes. Operates the sewer rodder to unstop sewer lines. Installs hydrants, meters, valves, clamps and related pipeline apparatus; sets meter boxes; repairs and replaces fire hydrants. Maintains assigned truck properly stocked and in proper operating condition. Locates lines and assists with inspection and repair of pumping stations, reading water meters and other related tasks. Employees are also subject to on call and call back work.

LINE MAINTENANCE MECHANIC:

Operates tapping machine to make water and sewer taps and service connections.
Lays water and sewer pipe; repairs and replaces sewer and water lines and related facilities.
Installs, services and tests water meters and meter yokes. Operates the sewer rodder to unstop sewer lines.
Operates front end loader, dump trucks, jackhammers, tampers, pipe threading machines, tapping machines, trenchers, air compressors, and boring machines. Installs hydrants, meters, valves, clamps and related pipeline apparatus; sets meter boxes; repairs and replaces fire hydrants. Employees are also subject to on call and call back work.

Justify Need for Each Position in Detail (use additional pages if necessary):

15A NCAC 18D .0206 Certified Operators Required

(C) There shall be an operator in responsible charge for the distribution portion of the community and non-transient non-community public water systems designated. This operator shall possess a valid certificate issued by the Board equivalent to or exceeding the distribution classification of the facility for which he or she is designated.

(D) There shall be a operator in responsible charge for the cross connection control facilities of the distribution system for all public water systems required by 15a NCAC 18C to have five or more testable backflow prevention assemblies. This operator shall possess a valid Grade Cross Connection control certificate issued by the Board. From July 1, 2013 through December 1, 2013 Davie County Public Utilities has responded to over 2000 billing concerns and general work orders for small leaks, 427 water leaks and over 50 new meter installations. They have

also responded to over 15 sewer blockages and cleaned over 10,000 ft of sewer mains. We operate a state mandated flushing program, cross connection and backflow prevention program. Davie County Public Utilities maintains over 400 miles of water lines and 40 miles of sewer line. Davie County has 1670 fire hydrants that are maintained on the distribution system along with an 11,000 plus meter reading program. We run leak crews of three this is to include at least one person to run equipment, one in the ditch and one to be a look out for traffic control and emergency situations that may arise with someone is in the ditch. Larger leaks on more congested streets may take up to five people for traffic control. With Davie County Public Utilities having a good working relationship with DOT to help control traffic situations on major highways DOT requires all individuals that work in the DOT right away to have flagger training from certified trainers; they also require reflective signs whenever work is being done in the state right of way. In some cases employees may have to enter confined spaces that may require permits to enter and we have several employees trained for confined space entry. From 1-1-13 to 12-31-13 150 after hours calls were received and dispatched to on call personnel. Calls taken after hours may take from 30 minutes to five hours depending on the nature of the call. Davie County Public Utilities has built a strong team to maintain such a rural water system that continues to grow.

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Department Public Utilities

Account No.	Item	Remarks	Requested		Recommended	
			Local Cost	Non-Local Cost	Local Cost	Non-Local Cost
57020-510010	Salaries And Wages	100%(Operations) of Personnel Cost	298,191.00			
57020-510040	Longevity	100%(Operations)of Personnel Cost	2,005.00			
57020-520050	FICA	100%(Operations)of Personnel Cost	23,014			
57020-520060	Group Hosp Insurance	100%(Operations)of Personnel Cost	79,800.00			
57020-520070	Retirement	100%(Operations)of Personnel Cost	21,270.00			
57020-520080	Workman's Comp	100%(Operations) of Personnel Cost	11,233.00			
57020-520120	401k Employer Supp.	100%(Operations)of Personnel Cost	9,025.00			
57020-530300	Vehicle Tires	100%(Operations) Replacement & Repair	4,500.00			
57020-520110	Vehicle Gas & Oil	100%(Operations)Replacement & Repair	35,000.00			
57020-530330	Dept. Supplies	100%(Operations)Cintas,PaperTowels,Lebleu	7,500.00			
57020-530360	Uniforms	100%(Operations) Boot Reinbursement,Gloves	5,700.00			
57020-530370	Tools & Minor Equip.	100%(Operations) Lowes, Hardware, Davie Supply	6,500.00			
57020-540100	Education & Training	100% (Operations) Cerification,Cont ed,Schools	6,500.00			
57020-540110	Telephone	100%(Operations) Nextel's Dialers @ pump stations	6,000.00			
57020-540130	Utilities	100% (Operations) Pump stations,Shop,Fuel	24,000.00			
57020-540450	Purchased Services	100%(Operations) Jobs that must be outsourced	2,500.00			
57020-541550	Consultants	100%(Operations) Emergency	15,000.00			
57020-550150	Building & Grounds	100%(Operations) Repairs to shop, Pump stations	1,500.00			
57020-550160	Equip. Maintenance	100% Repairs to air compressor's Tap machines	2,500.00			
57020-550170	Vehicle Maintenance	100%(Operations) Repairs to road vehicles	5,000.00			
57020-550400	Heavy Equip. Maint	100%(Operations) Repairs to Track & Back Hoe	5,500.00			
57020-551190	System Maintenance	100%(Operations) Parts,Paveing,Pipe,	155,000.00			
57020-560150	Private Property Dam	100%(Operations) Landscapeing,Sidewalks	1,500.00			
57020-560530	Dues & Subscriptions	100%(Operations) Renewals Permit, License	12,000.00			
57020-580120	Fire Hydrants	100% (Operations) 1 Free Hydrant per Dept Yearly	37,000.00			
57020-580600	Equip.& Furniture	100%(Operations) new Equipment and Furniture	29,000.00			
57020-580680	Water Meters	100% (Operations) Replacement & Repair	440,000.00			
Total			1,246,738.00			

ACTIVITY JUSTIFICATION

Activity: Water Treatment Plants	Number of Employees 7.25	# of Full-time <u>7.25</u> # of Part-Time <u>1</u>	Annual Cost: 1,729,852
Mandated by <u>15A NCAC 18 D</u>	County Cost:		Federal/State Cost:

Each Employee, Job Title, Duties/Responsibilities of Positions in the Activity:

- Johnny Lambert – Director of Public Utilities 25%
- Michael Weir - Water Treatment Plant Supervisor 75%
- Michael Miller – Senior Water Treatment Plant Operator 100%
- Steven Corriher – Senior Water Treatment Plant Operator 100%
- Rodney McDaniel – Water Treatment Plant Operator 100%
- Michael Linville – Water Treatment Plant Operator 100%
- Matt Seats – Water Treatment Plant Operator 100%
- Virginia Helms – Water Treatment Plant Operator 100%

- Part Time:
- Steve Hatley – Water Treatment Plant Operator 100%

Utilities Director – Work involves responsibility for division staffing, budget development and administration. Plans, organizes and directs the work of subordinate supervisors and employees. Participates in the maintenance and repair of water and sewer pumping stations, elevated storage tanks, and related facilities; supervises the meter reading program, water service connections and disconnections, and related utility customer response. Supervises the hiring, promotion, training, discipline, evaluation, and other personnel actions and decisions for the division; plans and implements safety programs including training, procedures, and equipment as necessary. Researches and recommends strategies for meeting new regulatory requirements serves as Operator in Responsible Charge(ORC) for the water distribution and cross connection backflow prevention program. Obtains quotes for supplies and equipment, generates purchase order request. Keeps records; prepares reports; prepares material and supply requisitions; maintains adequate inventory. Employees are also subject to on-call and call-back work.

Water Treatment Plant Supervisor – Performs technical and supervisory work in the operations, maintenance, and laboratory analysis at water treatment plants as Operator in Responsible Charge or ORC. Work involves planning and assigning work to subordinates, supervision and participating in the operations of the plant, preparation and analysis of laboratory results, preventive maintenance and repairs. Work also involves researching and recommending long and short capital facilities and equipment construction and renovation, establishing and maintaining records and reports necessary for full compliance with all regulations and for effective management decision-making, requesting necessary resources in the annual budget, and motivating, coaching, and insuring effective productivity of division personnel.

Senior Water Treatment Plant Operator – Performs responsible skilled and technical work in the operation of a water treatment plant; serves in the absence of the Plant Supervisor and as back up ORC. Work is performed on assigned or rotating shifts and includes monitoring the plant’s operations through observation, mechanical readings, and the results of standard chemical and biological tests and making necessary adjustments in the process as demand or other operational conditions dictate. Work also includes a variety of equipment, grounds, and facility maintenance. Employee maintains records of work activities and test results. Work is performed in accordance with regulations of the State Division of Health Services and the State Division of Environmental Management

Water Treatment Plant Operator – Performs responsible skilled and technical work in the operation of a water treatment plant. Work is performed on assigned or rotating shifts and includes monitoring the plant’s operations through observation, mechanical readings, and the results of standard chemical and biological tests and making necessary adjustments in the process as demand or other operational conditions dictate. Work also includes a variety of equipment, grounds, and facility maintenance. Work is performed in accordance with regulating of the State Division of Health Services and the State Division of Environmental Management.

Justify Need for Each Position in Detail (use additional pages if necessary):

15A NCAC 18D .0206 states that all public water systems must have a certified ORC for each water treatment facility that alters the physical, chemical, or microbiological characteristics of the water.

15A NCAC 18D .0701 (b) 1 No person shall be in responsible charge of more then one surface water treatment facility without written permission from the Board.

15A NCAC 18D .0206 (b) There shall be an operator holding at least a Grade C-Surface certification or above assigned to be on duty on the premises when a surface water treatment facility is treating water.

By recommendation from NCDENR a Senior Water Treatment Plant Operator is in place to serve as back up ORC and Water Treatment Plant Supervisor when the designated Water Treatment Plant Supervisor is absent.

Sparks Rd WTP

<u>Fiscal Year</u>	<u>Hours of Plant Operation</u>	<u>Million Gallons Produced</u>
2008-2009	4088.00 hours	433,624,690 gallons
2009-2010	4403.00 hours	465,309,000 gallons
2010-2011	4845.50 hours	508,860,000 gallons
2011-2012	4996.75 hours	503,928,000 gallons
2012-2013	5039.50 hours	492,640,000 gallons
July – Dec 2013	2429.75 hours	233,910,000 gallons

Coolcemeetee WTP

<u>Fiscal Year</u>	<u>Hours of Plant Operation</u>	<u>Million Gallons Produced</u>
2008-2009	4809.50 hours	406,447,241 gallons
2009-2010	4577.50 hours	410,198,283 gallons
2010-2011	4381.00 hours	422,241,000 gallons
2011-2012	4362.25 hours	400,388,000 gallons
2012-2013	4509.25 hours	401,381,000 gallons
July – Dec 2013	2298.75 hours	207,424,000 gallons

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Department: Public Utilities Water treatment plant

Account No.	Item	Remarks	Requested		Recommended	
			Local Cost	Non-Local Cost	Local Cost	Non-Local Cost
57030-510010	SALARIES AND WAGES	100%(WTP) Personnel Cost	271,554			
57030-510040	LONGEVITY	100%(WTP) Personnel Cost	2,840			
57030-520050	FICA	100%(WTP) Personnel Cost	21,217			
57030-520060	GROUP HOSPITAL INSURANCE	100%(WTP) Personnel Cost	58,800			
57030-520070	RETIREMENT	100% (WTP)Personnel Cost	19,608			
57030-520080	WORKMENS COMPENSATION	100%(WTP) Personnel Cost	11,913			
57030-520120	401K-EMPLOYER SUPPLEMENT	100%(WTP) Personnel Cost	8,320			
57030-530120	POSTAGE	100%(WTP) stamps, shipping of samples or equipment	500			
57030-530300	VEHICLE TIRES	100% (WTP)Tires for fleet vehicles	900			
57030-530310	VEHICLE GAS & OIL	100% (WTP)Gas and oil for fleet vehicles	3,500			
	OFFICE SUPPLIES	100% (WTP)Paper,pens,copier ink,books,binders	500			
57030-530330	DEPARTMENT SUPPLIES	100%(WTP) toilet paper, paper towels, office supplies	10,000			
57030-530331	CHEMICALS	100%(WTP) chemicals used in treatment process	500,000			
57030-530360	UNIFORMS	100%(WTP) boots, shirts, pants, gloves, safety gear	3,000			
57030-530370	TOOLS & MINOR EQUIPMENT	100% (WTP) handtools, small pumps, hardware	5,000			
57030-540100	EDUCATION & TRAINING	100% (WTP)continuing ed credit hours, schools, certifica	7,550			
57030-540110	TELEPHONE	100%(WTP) cellphones, fax line, internet and phone ser	8,300			
57030-540130	UTILITIES	100%(WTP) Fuel,Power	185,000			
57030-540450	PURCHASED SERVICES	100%(WTP) Cintas, Ridabug, calibrations, generator, hc	2,000			
57030-540480	WATER ANALYSIS	100% (WTP)water tests and testing	65,000			
57030-540490	GARBAGE COLLECTION	100% (WTP)collection at plants	1,600			
57030-541550	CONSULTANTS	100%(WTP) Emergency Design	25,000			
57030-550130	WATER TANK REPAIR	100%(WTP) maintenance and repair of elevated water t	96,000			
57030-550150	BUILDING & GROUNDS MAINT	100%(WTP) fences, building, and grounds maint and re	9,000			
57030-550170	VEHICLE MAINTENANCE	100%(WTP) vehicles repairs other then tires, ex: brakes	1,500			
57030-550400	HEAVY EQUIPMENT MAINTENAN	100%(WTP) plant components, motors, pumps	275,000			
57030-560430	WATER PURCHASE	100% (WTP)Town of Mocksville	1,000			
57030-560530	DUES & SUBSCRIPTIONS	100% (WTP)memberships, liscence fees	5,000			
	COMPUTER HARDWARE	100% (WTP) SCADA and PLC upgrades	4,000			
57030-580600	EQUIPMENT & FURNITURE	100%(WTP) new equipment, furniture, capital outlay	126,250			
Totals	Total		1,729,852.00			

ACTIVITY JUSTIFICATION

Activity: Wastewater Treatment Plant	Number of Employees 1.40	# of Full-time <u>1.40</u> # of Part-Time _____	Annual Cost: 509,966
Mandated by <u>15A NCAC 08G</u>	County Cost:	Federal/State Cost:	

Each Employee, Job Title, Duties/Responsibilities of Positions in the Activity:

- Johnny Lambert Utilities Director 15% (Waste Treatment Plant)
- Tim Smith Waste treatment Plant supervisor 100% (Waste Treatment Plant) ORC
- Mike Weir Water Treatment Plant Supervisor 25% (Waste Treatment Plant) Back up ORC

Utilities Director

Work involves responsibility for division staffing, budget development and administration. Plans, organizes and directs the work of subordinate supervisors and employees. Supervises the hiring, promotion, training, discipline, evaluation and other personnel actions and decisions for the division. Plans and implements safety programs including training, procedures and equipment as necessary. Researches and recommends strategies for meeting new regulatory requirements and serves as back up (ORC) for collection system. Obtains quotes for supplies and equipment and generates purchase order request. Keeps records, prepares reports, prepares material and supply requisitions, maintains adequate inventory. Coordinates the land application of bio-solids with the contractor. Provides technical advice and guidance to County management regarding utilities and services, ordinances, fees, policies and related issues. Provides oversight for project documentation & review, production reports, trouble shoots plant's technical issues. Provides to staff coaching ensures effective productivity of division personnel. Employee is subject to on-call and call-back work.

WWTP Supervisor (ORC)

Direct, Coordinate, and evaluate the operation of Waste Water Treatment Facility Cooleemee WWTP Provides guidance and oversight for all wwtp administration, Budget preparation, capital improvement programs, strategic planning, personnel management and regulatory documentation. Ensure best possible regulatory compliance and timely correspondence with accurate reporting. Monitor plant's compliance and efficiency by interpreting lab data to identify process trends. Serve as state mandated ORC (Operator in Responsible Charge.) Responsible for maintaining waste water equipment which includes but is not limited to, pumps, aerators and vehicles. Maintain equipment to comply with all manufacture's recommendations and NCDENR regulations. Calibrates lab instruments and maintains optimal general grounds maintenance and house keeping duties.

Water Treatment Plant Supervisor (Back up ORC)

Performs technical and supervisory work in the operations, maintenance, and laboratory analysis at water treatment plants as Operator in Responsible Charge or ORC. Work involves planning and assigning work to subordinates, supervision and participating in the operations of the plant, preparation and analysis of laboratory results, preventive maintenance and repairs. Work also involves researching and recommending long and short capital facilities and equipment construction and renovation, establishing and maintaining records and reports necessary for full compliance with all regulations and for effective management decision-making, requesting necessary resources in the annual budget, and motivating, coaching, and insuring effective productivity of division personnel.

. Serves as state mandated back up (ORC), and acts in ORC's absence (weekends off, sickness, vacations, etc.)

Justify Need for Each Position in Detail (use additional pages if necessary):

State mandates DMR's to be completed on a monthly basis, operator samples plant wasting, changing chemicals, checking over plant operations to be sure everything is in working order. During this time spent at plant he also does maintenance and repair.

15A NCAC 08G .0201 RESPONSIBILITY OF SYSTEM OWNERS TO DESIGNATE CERTIFIED OPERATORS

Owners of Classified water pollution control systems and water pollution control system must designate operators, certified by the Water Pollution Control System Operators certification Commission (WPCSOCC), Of the appropriate type and grade for the system, and for each classification must:

- (1) Designate one Operator in Responsible Charge (ORC) who possesses a valid certificate of the type and grade at least equivalent to the type and grade of the system.
- (2) Designate one or more Back-UP (ORC) who possesses a valid certificate of the type of the system and no more than one grade less then the grade of the system.

DAVIE COUNTY
ANNUAL BUDGET ESTIMATE - SUMMARY OPERATIONAL EXPENSE REQUEST

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Department: Public Utilities Waste treatment Plants

Account No.	Item	Remarks	Requested		Recommended	
			Local Cost	Non-Local Cost	Local Cost	Non-Local Cost
57040-510010	Salaries & Wages	100%WWTP Personel Cost	65,567.00			
57040-510040	Longevity	100%WWTP Personnel Cost	130			
57040-520050	FICA	100%WWTP Personnel Cost	4,558			
57040-520070	Retirement	100%WWTP Personel Cost	4,213			
57040-520080	Workman's Comp.	100%WWTP Personnel Cost	1,325			
57040-520110	Group Hospital Insurance	100%WWTP Personnel Cost	11,760			
57040-520120	401k Employer Supp	100%WWTP Personnel Cost	1,788			
57040-530120	Postage	100%WWTP Stamps, Shipping of samples or equipment	275			
57040-530300	Vehicle Tires	100%WWTP Tires For WWTP Vehicle	500			
57040-530310	Vehicle Gas & Oil	100%WWTP Gas & Oil for WWTP Vehicle	3,100			
57040-530320	Office Supplies	100%WWTP Paper Printer cartridges,pens, disk	700			
57040-530330	Department Supplies	100%WWTP Gloves, Test Strips,Ph solution	2,500			
57040-530331	Chemicals	100%WWTP Chemicals Used in the Treatment process	27,000			
57040-530360	Uniforms	100%WWTP boots,shirts,pants,gloves,safety gear	550			
57040-530370	Tools and Minor Equipment	100%WWTP Hand tools, pumps, Hardware	2,000			
57040-540100	Education & Training	100%WWTP Continuing ed credit hours, schools, certificates	2,500			
57040-540110	Telephone	100% WWTP Cell phones, Fax line, internet, phone service	3,500			
57040-540130	Utilities	100% WWTP Power, Genset Fuel, Natural Gas	105,000.00			
57040-540440	Waste Water Analysis	100% WWTP Sampling for waste water	21,000			
57040-540450	Purchased Services	100%WWTP EMA,Pest Control,	3,500.00			
57040-541550	Consultants	100%WWTP Emergency,Design	15,000.00			
57040-550150	Building & Grounds Main.	100%WWTP Fences, Building, And grounds Main. repairs	3,500.00			
57040-550400	Heavy Equip. Maint.	100%WWTP Plant Componets,Motors,Pumps	75,000.00			
57040-551190	System Maintenance	100%WWTP Land Application Sludge Transfers	145,000.00			
57040-560530	Dues Subscriptions	100%WWTP Membership, License Fees	7,500			
57040-560560	Charges Penalties	100%WWTP Compliance Charges	2,500			
57040-580600	Equipment & Furniture	100%WWTP New equipment, furniture, capital outlay	0		Total	509,966

ACTIVITY JUSTIFICATION

Activity: Eastern Davie Sewer	Number of Employees <div style="text-align: center;">3</div>	# of Full-time .85 # of Part-Time 0	Annual Cost: 979,326
Mandated by NCDENR Division of water Quality 15a NCAC 08G .0201	County Cost:	Federal/State Cost: 0	

Each Employee, Job Title, Duties/Responsibilities of Positions in the Activity:

Johnny Lambert	Director of Public Utilities	10% (Eastern Davie Sewer)
Tim McCrary	Supervisor of Operations	25% (Eastern Davie Sewer)
Michael Godbey	Senior Line Maintenance Mechanic	50% (Eastern Davie Sewer)

UTILITIES DIRECTOR: Utilities Director

Work involves responsibility for division staffing, budget development and administration. Plans, organizes and directs the work of subordinate supervisors and employees. Supervises the hiring, promotion, training, discipline, evaluation and other personnel actions and decisions for the division. Plans and implements safety programs including training, procedures and equipment as necessary. Researches and recommends strategies for meeting new regulatory requirements and serves (ORC) for collection system. Obtains quotes for supplies and equipment and generates purchase order request. Keeps records, prepares reports, prepares material and supply requisitions, maintains adequate inventory. Provides technical advice and guidance to County management regarding utilities and services, ordinances, fees, policies and related issues. Provides oversight for project documentation & review, production reports, trouble shoots plant's technical issues. Provides to staff coaching ensures effective productivity of division personnel. Employee is subject to on-call and call-back work.

Over sight for project documentation & review, production reports, trouble shoot collection system and force systems, technical issues; coaching, and ensuring effective productivity of division personnel subject to on-call and call-back work.

Supervisor of operations

Performs responsible technical work supervising the work of a crew engaged in repair, replacement and installation of water and sewer lines and appurtenances. Work includes supervising the construction, maintenance and repair of water and sewer lines, hydrants, meter and valves, pumping stations, and lift stations. Work also includes planning work projects based on service extension needs, maintenance, and emergency needs; coordinating work with property owners: assigning crews to projects; inspecting work and resolving public complaints. Serves as Operator in Responsible Charge (ORC) for the sewer collections system Work also involves requesting and acquiring necessary resources for projects and supervisory responsibility for crew efficiency, quality and safety. Instructs workers in the appropriate safety procedures and enforces their use. Plans preventive maintenance programs for hydrants, valves and meters as well as supervises meter change-out, testing, and repair programs. Employees is also subject to on-call and call-back work.

SENIOR LINE MAINTENANCE MECHANIC:

Operates heavy construction equipment requiring skill and care around underground utility lines; operates front end loader, dump trucks, jackhammers, tampers, pipe threading machines, tapping machines, trenchers, air compressors and boring machines. Serves as lead worker or crew leader on an assigned work group. Operates tapping machine to make water and sewer taps and service connections. Lays water and sewer pipe; adjusts pipe to proper grade and depth with laser; repairs and replaces sewer and water lines and related facilities. Installs, services and tests water meters and meter yokes. Operates the sewer rodder to unstop sewer lines. Installs hydrants, meters, valves, clamps and related pipeline apparatus; sets meter boxes; repairs and replaces fire hydrants. Maintains assigned truck properly stocked and in proper operating condition. Locates lines and assists with inspection and repair of pumping stations, reading water meters and other related tasks. Inspect Lift stations on a weekly basis for grease build up and inspect pump for usage times to be sure pumps alternate for efficient usage. Changes charts, exercises generators and cleans buildup in wet wells. Employee is also subject to on call and call back work. This position also requires a person to be on call 24/7, 365 days a year for lift station alarms, repairs and for sewer right of way inspections that are required by state mandated programs.

Justify Need for Each Position in Detail (use additional pages if necessary):

This employee comes out in severe weather when power failures occur due to infiltration and inflow because there is no time for most stations to be without power or pump failures. This would cause overflows and heavy fines from DWQ (Division of Water Quality). All sewer lines must be walked or visually inspected every 6 months. All right of ways must be mowed and accessible at all times. DWQ does annual inspections to be sure that the collection systems are being cared for properly. They also mandate grease trap ordinances and FOG (Fats Oils & Grease) programs.

Davie County has 2300 sewer connections, 40 miles of sewer line, there is a total of twelve lift stations that must be maintained on a routine basis per NCDENR Division of water quality. These are checked weekly for pump run times, appearance, odors, leaks, pump noise, warning lights, vandalism, oil levels, generator warning lights, generator oil & fluid levels, batteries ect. Employee also does all grounds maintenance at all stations.

15A NCAC 08G .0201 RESPONSIBILITY OF SYSTEM OWNERS TO DESIGNATE CERTIFIED OPERATORS

Owners of a Classified water pollution control system must designate operators, certified by the Water Pollution Control System Operators Certification Commission (WPCSOCC), of the appropriate type and grade for the system and for each classification must:

- (1) Designate one Operator in Responsible Charge (ORC) who possesses a valid certificate of the type and grade at least equivalent to the type and grade of the system.
- (2) Designate one or more Back-Up (ORC) who possesses a valid certificate of the type of the system and no more than one grade less than the grade of the system.

DAVIE COUNTY
ANNUAL BUDGET ESTIMATE - SUMMARY OPERATIONAL EXPENSE REQUEST

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Department Public Utilities Eastern Davie Sewer

Account No.	Item	Remarks	Requested		Recommended	
			Local Cost	Non-Local Cost	Local Cost	Non-Local Cost
57050-510010	Salaries and Wages	100% (EDS) Personnel Cost	33,568			
57050-510040	Longevity	100% (EDS) Personnel Cost	268			
57050-520050	FICA	100% (EDS) Personnel Cost	2,357			
57050-520060	Group Hosp. Insuran	100% (EDS) Personnel Cost	7,140			
57050-520070	Retirement	100% (EDS) Personnel Cost	2,178			
57050-520080	Workman's Comp.	100% (EDS) Personnel Cost	941			
57050-520120	401K- Employer Sup.	100% (EDS) Personnel Cost	924			
57050-530300	Vehicle Tires	100% (EDS) Replacement & Repair	600			
57050-530310	Vehicle Gas & Oil	100% (EDS) gas and oil for fleet vehicles	3,800			
570550-530330	Dept. Supplies	100% (EDS)	3,000			
57050-530331	Chemicals	100% (EDS) Degreaser	2,500			
57050-530360	Uniforms	100% (EDS) boots, shirts, pants, gloves, saftey gear	550			
57050-540100	Education & Training	100% (EDS) continuing ed, certifications	2,000			
57050-540110	Telephone	100% (EDS) Auto Dialers on Lift Stations	4,000			
57050-540130	Utilities	100% (EDS) Power Lift stations	40,000			
57050-540450	Purchased services	100% (EDS) Pump trucks, calibrations	2,500			
57050-540471	WS/FC Utilities	100% (EDS) Bill from Forsyth County Utilities Comm.	750,000.00			
57050-541550	Consultants	100% (EDS) emergency or design	10,000.00			
57050-550150	Building & Grounds	100% (EDS) Weed Killers, Fence Repairs	1,500.00			
57050-550170	Vehicle Maintenance	100% (EDS) vehicle repairs	500.00			
57050-550400	Heavy Equip. Maint.	100% (EDS) Pumps, Motors, SCADA, Telemetry, Valves	90,000.00			
57050-560530	Dues & Subscription	100% (EDS) Permit fees	500			
57050-580600	Equipment Furniture	100% (EDS) new equipment & furniture Budget items	0			
57050-581120	Sewer Improvements	100% (EDS) Upgrades to problem areas	20,000			
Totals	Total		978,826			

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: NONE

Description:

Justification

Estimated Cost:

Estimated Annual Operation / Maintenance

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Truck Replacement

Description: 2008 ford f150 2wd

Justification: This truck has become a maintenance issue. We have tried to replace trucks in the fleet at used vehicle pricing in the past. In replacing trucks with used vehicle prices we have removed several four wheel drives from the fleet because of cost. Therefore, we need a new four wheel drive replacement due to our trucks running in all severe weather/terrain. Replacing these trucks with used four wheel drive vehicles has been unsuccessful in the past.

Estimated Cost: 29,000

Estimated Annual Operation / Maintenance Cost: 2000.00 Gas and oil

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Reservoir Erosion Phase III

Description: Repair a section of reservoir shoreline where erosion has taken place.

Justification: Over time the shoreline has become eroded causing large sections to cave in resulting in instability of the shoreline and intrusion on the access road around the reservoir. There are numerous sections that are needed to be repaired and we will act upon it in phases. This budget year we will start on phase 3 with other sections and phases to be completed in future budget cycles.

Estimated Cost: \$ 33,750

Estimated Annual Operation / Maintenance Cost:

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Valve Rebuilds

Description: Rebuild Ross Valves to ensure proper operation of pumps.

Justification: Overtime the flow of water wears down interior parts of the valves compromising the operation of the valves and important pump function. This is a routine maintenance practice to insure the uninterrupted process of treating and delivering of water.

Estimated Cost: \$ 8,500

Estimated Annual Operation / Maintenance Cost:

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Filter Rebuild

Description: Rebuild filter bed, replace media and inspect filter components

Justification: Overtime the mixed media filter beds will collapse and compress making filtration more difficult resulting in shorter filter runs and as a result longer plant operation to achieve state standards. Operation and Maintenance Manual for filters suggest filters be rebuilt every 10 years or sooner if needed to ensure proper filtration is met.

Estimated Cost: \$ 50,000

Estimated Annual Operation / Maintenance Cost:

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Probes for Lab

Description: Routine replacement of probes in lab for water testing. Replace 4 ph probes and 4 Fluoride probes.

Justification: Life span of probes for water sampling is limited. To ensure water quality is being checked accurately probes need to be changed out routinely.

Estimated Cost: \$ 7,000

Estimated Annual Operation / Maintenance Cost:

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Hach DR6000

Description: Purchase of Hach DR6000 UV-Vis Spectrophotometer for testing of various parameters in lab

Justification: Our current Spectrophotometer is a Hach DR4000 which is now obsolete for parts and repairs, repairs or testing equipment. Hach DR6000 is the replacement series of Spectrophotometer offered by Hach which will test the parameters needed for state regulatory testing. The Spectrophotometer is an important piece of lab equipment used in everyday testing at the Water Treatment Plants.

Estimated Cost: \$ 10,000.00

Estimated Annual Operation / Maintenance Cost:

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Hach DR6000

Description: Purchase of Hach DR6000 UV-Vis Spectrophotometer for testing of various parameters in lab

Justification: Our current Spectrophotometer is a Hach DR4000 which is now obsolete for parts and repairs, repairs or testing equipment. Hach DR6000 is the replacement series of Spectrophotometer offered by Hach which will test the parameters needed for state regulatory testing. The Spectrophotometer is an important piece of lab equipment used in everyday testing at the Water Treatment Plants.

Estimated Cost: \$ 10,000.00

Estimated Annual Operation / Maintenance Cost:

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: Probes for Lab

Description: Routine replacement of probes in lab for water testing. Replace 4 ph probes and 4 Fluoride probes.

Justification: Life span of probes for water sampling is limited. To ensure water quality is being checked accurately probes need to be changed out routinely.

Estimated Cost: \$ 7,000

Estimated Annual Operation / Maintenance Cost:

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: NONE
Description:
Justification
Estimated Cost:
Estimated Annual Operation / Maintenance

ANNUAL BUDGET ESTIMATE - SUMMARY CAPITAL OUTLAY REQUEST

Department: Public Utilities - Cooleemee WWTP

Item	Remarks	Account No.	Requested		Recommended	
			Quantity	Cost	Quantity	Cost
	None					
Totals						

CAPITAL OUTLAY DETAIL

Name of Project or Equipment: NONE

Description:

Justification

Estimated Cost:

Estimated Annual Operation / Maintenance

CONFERENCE & TRAINING DETAIL

No. Attending	Purpose, Estimated Date & Location	Mode of Travel	Estimated Cost			
			Travel	Fees	Lodging	Total
6	Certification Training for Distribution and collection system certification required by DENR					5,000.00
10	Certification Renewals					1,500.00

CONFERENCE & TRAINING DETAIL

No. Attending	Purpose, Estimated Date & Location	Mode of Travel	Estimated Cost			
			Travel	Fees	Lodging	Total
3	Certification Training for Water Surface Treatment system certification required by DENR					6,500
7	Continuing ed hours classes					1050.00
						7,550

CONFERENCE & TRAINING DETAIL

No. Attending	Purpose, Estimated Date & Location	Mode of Travel	Estimated Cost			
			Travel	Fees	Lodging	Total
2	NC-AWWA Certificate Training			300.		2200
2						300.

CONFERENCE & TRAINING DETAIL

No. Attending	Purpose, Estimated Date & Location	Mode of Travel	Estimated Cost			
			Travel	Fees	Lodging	Total
1	NC-AWWA			400.	300.	700.
1	Certificate Training			300.		300.
						1000.

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

	PRIOR YR ACT	CURR ACTUAL	REVISED BUDGET	REQUESTED	MANAGER	BOARD
	JUNE 2013	2013-2014	2013-2014	2014-2015	2014-2015	2014-2015
WATER - ADMINISTRATIVE						
47010 430001 CONTRIBUTION COED	-	-	-	-		
47010 430146 CONTRIBUTION - BERMUDA RUN	(4,360.00)	-	-	-		
47010 453003 SERVICE CHARGES	(3,546.53)	(1,130.35)	(4,000.00)	2,000.00		
47010 453004 DAMAGE CHARGES	(1,580.00)	(1,982.00)	-	-		
47010 453005 WASTE WATER ANALYSIS	-	-	-	-		
47010 458001 LATE CHARGES	(114,074.57)	(46,683.68)	(95,000.00)	99,000.00		
47010 480001 PERMIT APPLICATION FEE	-	-	-	-		
47010 480002 LAWSUIT SETTLEMENT	-	-	-	-		
47010 480003 TAX REFUNDS	-	-	-	-		
47010 480004 OVERAGE & SHORTAGE	-	-	-	-		
47010 480005 DEBT COLLECTION PRIOR CUST	-	-	-	-		
47010 480019 SALE OF FIXED ASSET	-	-	-	-		
47010 485101 INTEREST ON INVESTMENTS	(1,345.05)	(573.30)	(2,000.00)	1,000.00		
47010 486101 MISCELLANEOUS REVENUE	(40,994.41)	(19,434.89)	(45,000.00)	45,000.00		
47010 490003 LEASE/PURCHAS LOAN PROCEEDS	-	-	-	-		
47010 490010 CONTRIBUTION FROM GENERAL FUND	(32,000.00)	-	(32,000.00)	37,000.00		
47010 490300 CONTRIBUTION FROM WATER CONSTR	-	-	-	-		
47010 493101 FUND BALANCE APRROP	-	-	(192,202.37)	-		
TOTAL WATER - ADMINISTRATIVE	(197,900.56)	(69,804.22)	(370,202.37)	184,000.00		

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

	PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
WATER - OPERATIONS						
47020 451001 WATER SALES	(3,572,170.72)	(1,365,979.90)	(3,500,000.00)	3,900,000.00		
47020 451003 WATER SALES NOT ON RECEIVABLE	-	-	-	-		
47020 452001 METER CONNECTION FEES	(66,050.00)	(42,975.00)	(48,000.00)	55,000.00		
47020 452002 SEWER CONNECTION FEES	-	-	-	-		
47020 452003 HYDRANT CONNECTION FEES	-	-	-	-		
47020 452004 METER SET FEE	-	-	-	-		
47020 452005 ASSESSMENT FEES	-	-	-	-		
47020 453001 NEW LINE FEES	-	-	-	-		
47020 453002 SPRINKLER FEES	(6,042.13)	-	(6,000.00)	6,000.00		
47020 480004 OVERAGE & SHORTAGE	-	-	-	-		
TOTAL WATER - OPERATIONS	(3,644,262.85)	(1,408,954.90)	(3,554,000.00)	3,961,000.00		

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

	PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
WASTE TREATMENT PLANT						
47040 420001 SEWER PLANT IMPROVEMENT GRANT	-	-	-	-		
47040 442001 MOCKSVILLE WASTEWATER OPER	(64,433.02)	-	-	-		
47040 451002 SEWER SALES	(307,152.52)	(154,707.48)	(320,000.00)	335,000.00		
47040 452002 SEWER CONNECTION FEES	-	-	-			
TOTAL WASTE TREATMENT PLANT	(371,585.54)	(154,707.48)	(320,000.00)	335,000.00		

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

	PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
EASTERN DAVIE SEWER						
47050 430001 CONTRIBUTION COED	-	-	-	-		
47050 451004 EAST DAVIE SEWER SALES	(459,936.87)	(248,172.38)	(600,000.00)	840,000.00		
47050 452006 EAST DAVIE TAP FEES	(400.00)	(100.00)	(1,000.00)	500.00		
47050 452007 EAST DAVIE CAPACITY FEES	(296,350.00)	(17,525.00)	-	-		
47050 452008 EAST DAVIE SEWER CONNECT FEES	-	(200.00)	-	-		
47050 452009 EAST DAVIE-RESERVE CAPACITY	(292.01)	-	-	-		
47050 452010 FIRE TAP	-	-	-	-		
47050 487001 CONTRIBUTION FROM DEVELOPERS	-	-	-	-		
47050 493101 FUND BALANCE APRROP	-	-	-	-		
TOTAL EASTERN DAVIE SEWER	(756,978.88)	(265,997.38)	(601,000.00)	840,500.00		
TOTAL WATER / SEWER REVENUE	(4,970,727.83)	(1,899,463.98)	(4,845,202.37)	5,320,500.00		

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

		PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
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WATER - ADMINISTRATIVE

57010	510010	SALARIES AND WAGES	136,925.49	55,995.00	138,152.00	137,344.00	
57010	510020	PART-TIME SALARIES	7,740.75	5,462.48	15,075.00	12,748.00	
57010	510040	LONGEVITY	1,410.00	1,500.00	1,500.00	1,590.00	
57010	520050	FICA	10,450.32	4,514.55	11,665.00	11,604.00	
57010	520060	GROUP HOSPITAL INSURANCE	24,280.11	10,226.62	24,243.00	25,200.00	
57010	520070	RETIREMENT	9,323.78	4,064.90	10,780.00	9,823.00	
57010	520080	WORKMENS COMPENSATION	1,526.59	-	1,750.00	1,750.00	
57010	520100	ECS UNEMPLOYMENT INSURANCE	-	-	-	-	
57010	520110	GROUP LIFE INSURANCE	122.40	51.00	-	-	
57010	520120	401K-EMPLOYER SUPPLEMENT	4,017.87	1,679.90	4,079.00	4,120.00	
57010	520130	YMCA MEMBERSHIP	-	-	-	-	
57010	520250	EMPLOYEE MEDICAL EXPENSE	-	-	-	-	
57010	520260	EMPLOYEE EDUCATION REIMBURSEME	-	-	-	-	
57010	520990	RETIREMENT -ROUNDING ACCOUNT	-	-	-	-	
57010	530120	POSTAGE	37,522.97	17,718.51	43,000.00	48,000.00	
57010	530250	PRINTING & BINDING	-	-	-	-	
57010	530300	VEHICLE TIRES	285.73	-	500.00	500.00	
57010	530310	VEHICLE GAS & OIL	823.32	526.34	1,300.00	1,300.00	
57010	530320	OFFICE SUPPLIES	2,726.40	157.65	6,000.00	6,500.00	
57010	530330	DEPARTMENT SUPPLIES	5,032.48	2,138.61	4,200.00	5,000.00	
57010	530840	OTHER MATERIALS	-	-	-	-	
57010	540100	EDUCATION & TRAINING	44.00	-	-	-	
57010	540110	TELEPHONE	763.27	279.41	1,500.00	1,300.00	
57010	540130	UTILITIES	3,952.82	709.37	7,000.00	5,000.00	
57010	540140	TRAVEL	-	-	-	-	
57010	540210	BUILDING & EQUIPMENT RENTAL	-	-	-	-	
57010	540450	PURCHASED SERVICES	1,016.00	90.00	10,000.00	10,000.00	
57010	540500	LAUNDRY & DRY CLEANING	-	-	-	-	
57010	541540	COMPUTER SERVICES	7,550.67	7,490.00	9,500.00	9,500.00	
57010	541550	CONSULTANTS	-	-	1,993.00	-	
57010	541710	LEGAL FEES	-	-	-	-	
57010	550150	BUILDING & GROUNDS MAINTENANCE	17,242.23	-	1,200.00	1,000.00	
57010	550160	EQUIPMENT MAINTENANCE	-	-	500.00	500.00	
57010	550170	VEHICLE MAINTENANCE	-	-	500.00	500.00	
57010	560020	OTHER FEES AND SERVICES	4,396.86	-	-	-	
57010	560120	SPECIAL EVENTS	-	-	-	-	
57010	560260	ADVERTISING	-	-	500.00	500.00	
57010	560530	DUES & SUBSCRIPTIONS	629.00	970.79	1,500.00	1,900.00	
57010	560540	INSURANCE & BONDS	-	-	-	-	
57010	560570	MISCELLANEOUS	5,000.00	1,250.00	5,000.00	5,000.00	
57010	560600	BUILDING INSURANCE	-	-	-	-	
57010	560610	AUTO INSURANCE	-	-	-	-	
57010	580600	EQUIPMENT & FURNITURE	-	-	-	-	
57010	580620	COMPUTER HARDWARE	-	-	2,300.00	1,000.00	
57010	580640	BUILDING IMPROVEMENTS	-	-	-	-	
TOTAL WATER - ADMINISTRATIVE			282,783.06	114,825.13	303,737.00	301,679.00	

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

		PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
WATER - OPERATIONS							
57020	510010	262,991.99	107,396.72	270,102.00	276,895.00		
57020	510020	-	-	-	-		
57020	510040	1,710.00	1,800.00	1,980.00	2,070.00		
57020	520050	19,592.15	8,098.36	20,374.00	21,341.00		
57020	520060	69,945.08	28,626.30	73,710.00	75,600.00		
57020	520070	17,840.85	7,720.24	18,829.00	19,723.00		
57020	520080	10,884.00	-	11,233.00	11,233.00		
57020	520100	-	-	-	-		
57020	520110	354.44	153.38	-	-		
57020	520120	4,283.14	2,092.56	7,930.00	8,307.00		
57020	520130	-	-	-	-		
57020	520250	-	-	-	-		
57020	520260	-	-	-	-		
57020	530120	-	-	-	-		
57020	530250	-	-	-	-		
57020	530300	1,320.20	1,777.34	5,000.00	4,500.00		
57020	530310	35,169.70	14,959.27	31,000.00	35,000.00		
57020	530320	-	-	-	-		
57020	530330	5,548.41	1,113.59	7,500.00	7,500.00		
57020	530360	3,962.99	2,523.83	5,700.00	5,700.00		
57020	530370	5,147.54	1,708.20	6,700.00	6,500.00		
57020	540100	4,414.91	3,404.33	6,500.00	6,500.00		
57020	540110	5,793.48	1,611.38	5,000.00	6,000.00		
57020	540130	19,298.19	6,901.24	24,000.00	24,000.00		
57020	540140	-	-	-	-		
57020	540210	-	-	-	-		
57020	540450	406.78	-	2,500.00	2,500.00		
57020	541540	-	-	-	-		
57020	541550	10,500.00	-	15,000.00	15,000.00		
57020	550150	1,809.59	744.50	1,000.00	1,500.00		
57020	550160	73.72	-	2,500.00	2,500.00		
57020	550170	3,626.89	2,283.28	5,000.00	5,000.00		
57020	550400	4,280.94	1,622.10	5,500.00	5,500.00		
57020	551190	100,435.14	56,346.48	155,000.00	155,000.00		
57020	560120	-	-	-	-		
57020	560150	-	-	1,500.00	1,500.00		
57020	560260	-	-	-	-		
57020	560530	4,145.00	1,330.00	12,000.00	12,000.00		
57020	560540	-	-	-	-		
57020	560570	-	-	-	-		
57020	560600	-	-	-	-		
57020	560610	-	-	-	-		
57020	580110	-	-	-	-		
57020	580120	28,925.50	1,482.13	32,000.00	37,000.00		
57020	580600	47,610.36	92,394.41	107,000.00	29,000.00		
57020	580620	-	-	-	-		
57020	580680	428,194.79	352,064.50	440,000.00	440,000.00		
TOTAL WATER - OPERATIONS		1,098,265.78	698,154.14	1,274,558.00	1,217,369.00		

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

		PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
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WATER TREATMENT PLANT

57030	510010	SALARIES AND WAGES	296,469.61	119,764.54	287,394.00	268,557.00	
57030	510020	PART-TIME SALARIES	-	-	6,500.00	17,982.00	
57030	510040	LONGEVITY	3,560.00	3,770.00	3,770.00	2,910.00	
57030	520050	FICA	22,317.62	9,160.17	22,762.00	22,143.00	
57030	520060	GROUP HOSPITAL INSURANCE	48,351.79	19,071.24	56,930.00	58,800.00	
57030	520070	RETIREMENT	20,221.95	8,733.91	20,576.00	19,193.00	
57030	520080	WORKMENS COMPENSATION	11,584.44	-	11,913.00	11,913.00	
57030	520100	ECS UNEMPLOYMENT INSURANCE	-	-	-	-	
57030	520110	GROUP LIFE INSURANCE	285.82	119.00	-	-	
57030	520120	401K-EMPLOYER SUPPLEMENT	10,799.03	4,186.19	8,540.00	8,057.00	
57030	520130	YMCA MEMBERSHIP	-	-	-	-	
57030	520250	EMPLOYEE MEDICAL EXPENSE	-	-	-	-	
57030	520260	EMPLOYEE EDUCATION REIMBURSEME	-	-	-	-	
57030	530120	POSTAGE	402.01	134.13	400.00	500.00	
57030	530250	PRINTING & BINDING	-	-	-	-	
57030	530300	VEHICLE TIRES	237.49	-	900.00	900.00	
57030	530310	VEHICLE GAS & OIL	3,005.57	1,444.76	5,500.00	5,000.00	
57030	530320	OFFICE SUPPLIES	-	-	500.00	500.00	
57030	530330	DEPARTMENT SUPPLIES	6,972.61	4,927.02	10,000.00	10,000.00	
57030	530331	CHEMICALS	267,000.48	95,474.86	415,780.24	500,000.00	
57030	530360	UNIFORMS	1,607.17	595.06	3,000.00	3,000.00	
57030	530370	TOOLS & MINOR EQUIPMENT	3,179.27	559.45	5,000.00	5,000.00	
57030	540100	EDUCATION & TRAINING	1,106.51	1,274.13	8,550.00	10,500.00	
57030	540110	TELEPHONE	8,002.06	3,258.79	8,500.00	8,500.00	
57030	540130	UTILITIES	184,788.36	60,691.90	165,000.00	185,000.00	
57030	540140	TRAVEL	-	-	-	-	
57030	540210	BUILDING & EQUIPMENT RENTAL	-	-	-	-	
57030	540230	LAND LEASE	-	-	-	-	
57030	540450	PURCHASED SERVICES	3,700.00	-	-	-	
57030	540480	COLIFORM WATER ANALYSIS	27,864.48	12,976.00	74,120.00	65,000.00	
57030	540490	GARBAGE COLLECTION	1,327.70	402.07	1,500.00	1,600.00	
57030	541540	COMPUTER SERVICES	-	-	-	-	
57030	541550	CONSULTANTS	1,800.00	3,072.07	35,000.00	35,000.00	
57030	550130	WATER TANK REPAIR	91,006.86	834.63	95,000.00	96,000.00	
57030	550150	BUILDING & GROUNDS MAINTENANCE	6,832.59	1,493.02	10,000.00	10,000.00	
57030	550170	VEHICLE MAINTENANCE	670.27	243.52	2,500.00	2,000.00	
57030	550400	HEAVY EQUIPMENT MAINTENANCE	142,562.00	58,984.01	343,695.13	275,000.00	
57030	560120	SPECIAL EVENTS	-	-	-	-	
57030	560260	ADVERTISING	-	-	-	-	
57030	560430	WATER PURCHASE	231.90	20.00	1,000.00	1,000.00	
57030	560530	DUES & SUBSCRIPTIONS	4,380.00	4,442.00	4,500.00	5,000.00	
57030	560540	INSURANCE & BONDS	-	-	-	-	
57030	560570	MISCELLANEOUS	-	-	-	-	
57030	560600	BUILDING INSURANCE	-	-	-	-	
57030	560610	AUTO INSURANCE	-	-	-	-	
57030	580010	LAND ACQUISITION	-	-	-	-	
57030	580600	EQUIPMENT & FURNITURE	238,990.31	65,687.80	161,174.00	126,250.00	
57030	580620	COMPUTER HARDWARE	-	-	-	-	
TOTAL WATER TREATMENT PLANT			1,409,257.90	481,320.27	1,770,004.37	1,755,305.00	

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

			PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
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WASTE TREATMENT PLANT

57040	510010	SALARIES AND WAGES	42,775.48	26,734.56	45,563.00	43,127.00		
57040	510020	PART-TIME SALARIES	-	-	-	-		
57040	510040	LONGEVITY	170.00	50.00	200.00	80.00		
57040	520050	FICA	2,930.09	1,888.60	3,447.00	3,305.00		
57040	520060	GROUP HOSPITAL INSURANCE	8,007.80	3,149.54	8,126.00	8,400.00		
57040	520070	RETIREMENT	2,894.51	1,893.68	3,186.00	3,055.00		
57040	520080	WORKMENS COMPENSATION	1,279.11	-	1,325.00	1,325.00		
57040	520100	ECS UNEMPLOYMENT INSURANCE	-	-	-	-		
57040	520110	GROUP LIFE INSURANCE	40.58	17.00	-	-		
57040	520120	401K-EMPLOYER SUPPLEMENT	-	370.70	1,346.00	1,294.00		
57040	520130	YMCA MEMBERSHIP	-	-	-	-		
57040	520250	EMPLOYEE MEDICAL EXPENSE	-	-	-	-		
57040	520260	EMPLOYEE EDUCATION REIMBURSEME	-	-	400.00	-		
57040	530120	POSTAGE	208.14	58.00	250.00	275.00		
57040	530250	PRINTING & BINDING	-	-	-	-		
57040	530300	VEHICLE TIRES	-	-	500.00	500.00		
57040	530310	VEHICLE GAS & OIL	3,301.32	818.54	3,000.00	3,100.00		
57040	530320	OFFICE SUPPLIES	78.79	-	700.00	700.00		
57040	530330	DEPARTMENT SUPPLIES	1,959.37	2,070.07	3,500.00	2,500.00		
57040	530331	CHEMICALS	10,673.75	13,738.30	25,000.00	27,000.00		
57040	530360	UNIFORMS	-	249.26	550.00	550.00		
57040	530370	TOOLS & MINOR EQUIPMENT	1,215.03	252.25	2,500.00	2,000.00		
57040	540100	EDUCATION & TRAINING	654.28	1,400.18	2,500.00	2,500.00		
57040	540110	TELEPHONE	2,878.67	998.05	3,500.00	3,500.00		
57040	540130	UTILITIES	102,162.06	34,123.21	99,000.00	105,000.00		
57040	540140	TRAVEL	-	-	-	-		
57040	540210	BUILDING & EQUIPMENT RENTAL	-	-	-	-		
57040	540440	WASTEWATER ANALYSIS	20,334.90	10,518.00	21,000.00	21,000.00		
57040	540442	MOCKSVILLE WASTEWATER PLANT	22,109.82	-	-	-		
57040	540450	PURCHASED SERVICES	3,468.00	-	25,000.00	15,000.00		
57040	541540	COMPUTER SERVICES	-	-	-	-		
57040	541550	CONSULTANTS	-	7,348.75	20,000.00	15,000.00		
57040	550150	BUILDING & GROUNDS MAINTENANCE	434.57	390.21	2,500.00	2,500.00		
57040	550400	HEAVY EQUIPMENT MAINTENANCE	43,786.88	29,505.08	75,000.00	75,000.00		
57040	551190	SYSTEM MAINTENANCE	140,214.85	31,397.95	138,500.00	145,000.00		
57040	560120	SPECIAL EVENTS	-	-	-	-		
57040	560260	ADVERTISING	-	-	-	-		
57040	560530	DUES & SUBSCRIPTIONS	6,971.84	1,107.64	4,000.00	7,500.00		
57040	560540	INSURANCE & BONDS	-	-	-	-		
57040	560560	CHARGES & PENALTIES	-	-	2,500.00	2,500.00		
57040	560570	MISCELLANEOUS	-	-	-	-		
57040	560600	BUILDING INSURANCE	-	-	-	-		
57040	580110	WATER DEPT IMPROVEMENTS	-	-	-	-		
57040	580140	ROAD IMPROVEMENTS	-	-	-	-		
57040	580600	EQUIPMENT & FURNITURE	33,277.00	-	119,500.00	-		
57040	580620	COMPUTER HARDWARE	-	-	-	-		
57040	580640	BUILDING IMPROVEMENTS	-	-	-	-		
TOTAL WASTE TREATMENT PLANT			451,826.84	168,079.57	612,593.00	491,711.00		

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

			PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
EASTERN DAVIE SEWER								
57050	510010	SALARIES AND WAGES	29,965.96	12,793.41	32,523.00	32,989.00		
57050	510020	PART-TIME SALARIES	-	-	-	-		
57050	510040	LONGEVITY	170.00	200.00	200.00	230.00		
57050	520050	FICA	2,211.71	894.94	2,453.00	2,541.00		
57050	520060	GROUP HOSPITAL INSURANCE	8,540.08	3,635.10	8,170.00	8,400.00		
57050	520070	RETIREMENT	2,031.14	918.65	2,267.00	2,349.00		
57050	520080	WORKMENS COMPENSATION	847.16	-	941.00	941.00		
57050	520100	ECS UNEMPLOYMENT INSURANCE	-	-	-	-		
57050	520110	GROUP LIFE INSURANCE	39.96	16.62	-	-		
57050	520120	401K-EMPLOYER SUPPLEMENT	868.92	383.80	956.00	990.00		
57050	520130	YMCA MEMBERSHIP	-	-	-	-		
57050	520250	EMPLOYEE MEDICAL EXPENSE	-	-	-	-		
57050	520260	EMPLOYEE EDUCATION REIMBURSEME	-	-	-	-		
57050	530120	POSTAGE	-	-	-	-		
57050	530250	PRINTING & BINDING	-	-	-	-		
57050	530300	VEHICLE TIRES	-	-	600.00	600.00		
57050	530310	VEHICLE GAS & OIL	3,071.17	1,764.03	4,000.00	3,800.00		
57050	530320	OFFICE SUPPLIES	-	-	-	-		
57050	530330	DEPARTMENT SUPPLIES	1,633.83	-	3,500.00	3,000.00		
57050	530331	CHEMICALS	1,422.97	-	2,500.00	2,500.00		
57050	530360	UNIFORMS	-	-	700.00	550.00		
57050	540100	EDUCATION & TRAINING	-	-	2,500.00	2,500.00		
57050	540110	TELEPHONE	4,229.70	975.31	4,000.00	4,000.00		
57050	540130	UTILITIES	35,131.91	11,033.43	29,000.00	40,000.00		
57050	540140	TRAVEL	-	-	-	-		
57050	540210	BUILDING & EQUIPMENT RENTAL	-	-	-	-		
57050	540450	PURCHASED SERVICES	-	-	2,500.00	2,500.00		
57050	540471	WS/FC UTILITIES COMM CHG	723,110.23	202,205.43	640,000.00	750,000.00		
57050	541540	COMPUTER SERVICES	-	-	-	-		
57050	541550	CONSULTANTS	12,800.00	1,553.50	15,000.00	10,000.00		
57050	550150	BUILDING & GROUNDS MAINTENANCE	-	-	1,500.00	1,500.00		
57050	550170	VEHICLE MAINTENANCE	180.21	271.67	500.00	500.00		
57050	550400	HEAVY EQUIPMENT MAINTENANCE	41,864.10	20,444.15	110,000.00	90,000.00		
57050	560120	SPECIAL EVENTS	-	-	-	-		
57050	560260	ADVERTISING	-	-	-	-		
57050	560530	DUES & SUBSCRIPTIONS	-	-	500.00	500.00		
57050	560540	INSURANCE & BONDS	-	-	-	-		
57050	560560	CHARGES & PENALTIES	-	-	-	-		
57050	560570	MISCELLANEOUS	-	-	-	-		
57050	560600	BUILDING INSURANCE	-	-	-	-		
57050	560961	PAY BACK TO DEVELOPERS	-	-	-	-		
57050	580010	LAND ACQUISITION	-	-	-	-		
57050	580110	WATER DEPT IMPROVEMENTS	-	-	-	-		
57050	580600	EQUIPMENT & FURNITURE	10,680.00	-	-	-		
57050	580620	COMPUTER HARDWARE	-	-	-	-		
57050	581120	SEWER IMPROVEMENTS	-	-	20,000.00	20,000.00		
TOTAL EASTERN DAVIE SEWER			878,799.05	257,090.04	884,310.00	980,390.00		

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

			PRIOR YR ACT JUNE 2013	CURR ACTUAL 2013-2014	REVISED BUDGET 2013-2014	REQUESTED 2014-2015	MANAGER 2014-2015	BOARD 2014-2015
CONTRIBUTIONS TO OTHER FUNDS								
57090	570010	DEBT SERVICE	-	-	-			
57090	570020	REFINANCING OF BOND	-	-	-			
57090	570060	CONTINGENCY	-	-	-			
57090	570071	GOOD FAITH MONEY	-	-	-			
57090	570080	DEBT SERVICE - INTEREST	-	-	-			
57090	570100	CONTRIBUTION TO WATER CONTR	-	-	-			
TOTAL CONTRIBUTIONS TO OTHER FUNDS			-	-	-			
TOTAL WATER / SEWER EXPENSES			4,120,932.63	1,719,469.15	4,845,202.37	4,746,454.00		

COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR

Yrs Srvc
Jul 14 -

Org	Emp #	Last Name	First	Job Desc	Service Date	Jun 15	Grade	Hourly	Annual	Request
57010	<u>1038</u>	BYERLY	SARAH	PART TIME UTIL CUST SVC SPEC				12.76		12,748.00
57010	<u>571</u>	LAMBERT	RAYMOND	UTILITIES DIRECTOR	06/14/2004	11	71		65,912.00	65,912.00
57010	<u>171</u>	MCCLAMROCK	MELANIE	UTILITY CUSTOMER ACCTS SPEC	10/15/1990	24	63		41,209.00	41,209.00
57010	<u>339</u>	ROBERSON	PAMELA	UTILITY CUSTOMER ACCTS SPEC	08/07/2000	14	61		32,185.00	32,185.00
TOTAL FULL TIME									139,306.00	139,306.00
TOTAL PART TIME									-	12,748.00
TOTAL									139,306.00	152,054.00
LONGEVITY										1,590.00
FICA										11,754.00
HOSPITAL										25,200.00
RETIREMENT										9,961.00
401K										4,179.00
TOTAL AUTHORIZED POSITIONS 3 FULL TIME; PART-TIME AS NEEDED.										204,738.00

**COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR**

Yrs Srvc
Jul 14 -

Org	Emp #	Last Name	First	Job Desc	Service Date	Jun 15	Grade	Hourly	Annual	Request	
57020	<u>883</u>	ATWOOD	ERVIN	SENIOR LINE MAINT MECHANIC	08/03/2009	5	62		29,258.00	32,184.00	DMG
57020	<u>881</u>	HEAD	RANDALL	SENIOR LINE MAINT MECHANIC	07/13/2009	5	62		29,258.00	32,989.00	DMG/CERT
57020	<u>930</u>	JONES	JONATHAN	LINE MAINTENANCE MECHANIC	06/01/2011	4	59		26,552.00	26,552.00	
57020	<u>283</u>	LEONARD	MICHAEL	LINE MAINTENANCE MECHANIC	06/01/1998	17	59		30,651.00	30,651.00	
57020	<u>858</u>	MCCHESENEY	JOSHUA	LINE MAINTENANCE MECHANIC	12/29/2008	6	59		32,216.00	32,216.00	
57020	<u>343</u>	MCCRARY	TIMOTHY	LINE MAINTENANCE SUPERVISOR	08/01/2000	14	65		41,257.00	41,257.00	
57020	<u>1031</u>	POTTS	JACOB	LINE MAINTENANCE MECHANIC	05/09/2013	2	59		25,904.00	26,552.00	CERT
57020	<u>1034</u>	PREVETTE	BRADLEY	LINE MAINTENANCE MECHANIC	06/03/2013	2	59		28,594.00	28,594.00	
57020	<u>919</u>	SPRY	WILLIAM	LINE MAINTENANCE MECHANIC	10/06/2010	4	59		25,904.00	25,904.00	
TOTAL FULL TIME									269,594.00	276,899.00	
TOTAL PART TIME									-	-	
TOTAL									269,594.00	276,899.00	
LONGEVITY										2,070.00	
FICA										21,341.00	
HOSPITAL										75,600.00	
RETIREMENT										19,723.00	
401K										8,307.00	

TOTAL AUTHORIZED POSITIONS 9 FULL TIME; PART-TIME AS NEEDED.

COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR

Yrs Srvc
Jul 14 -

Org	Emp #	Last Name	First	Job Desc	Service Date	Jun 15	Grade	Hourly	Annual	Request	
57030	<u>345</u>	CORRIHER	STEVEN	SENIOR TREATMENT PLANT OPERA	08/01/2000	14	64		38,634.00	39,600.00	CERT
57030	<u>1061</u>	HEMS	VIRGINIA	TREATMENT PLANT OPERATOR	01/28/2014	1	61		30,519.00	32,045.00	Probation
57030	<u>711</u>	LINVILLE	MICHAEL	TREATMENT PLANT OPERATOR	09/29/2006	8	61		33,500.00	33,500.00	
57030	<u>288</u>	MCDANIEL	RODNEY	TREATMENT PLANT OPERATOR	07/03/1989	25	61		37,373.00	37,373.00	
57030	<u>289</u>	MILLER	MICHAEL	SENIOR TREATMENT PLANT OPERA	08/10/1992	22	64		42,499.00	42,499.00	
57030	<u>942</u>	SEATS	MATTHEW	TREATMENT PLANT OPERATOR	09/26/2011	3	61		29,270.00	30,752.00	CERT
57030	<u>348</u>	WEIR	MICHAEL	TREATMENT PLANT SUPERVISOR	08/14/2000	14	68		53,925.00	53,925.00	
57030	<u>287</u>	HATLEY	STEVEN	TREATMENT PLANT OPERATOR-PART TIME				17.50		17,483.00	
TOTAL FULL TIME									265,720.00	269,694.00	
TOTAL PART TIME									-	17,483.00	
TOTAL									265,720.00	287,177.00	
LONGEVITY										2,930.00	
FICA										22,193.00	
HOSPITAL										58,800.00	
RETIREMENT										19,275.00	
401K										8,091.00	

TOTAL AUTHORIZED POSITIONS 7 FULL TIME; PART-TIME AS NEEDED.

COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR

Yrs Srvc
Jul 14 -

Org	Emp #	Last Name	First	Job Desc	Service Date	Jun 15	Grade	Hourly	Annual	Request	
57040	<u>1043</u>	SMITH	TIMOTHY	TREATMENT PLANT SUPERVISOR	08/13/2013	1	68		43,130.00	44,208.00	CERT

TOTAL FULL TIME 43,130.00 44,208.00

TOTAL PART TIME - -

TOTAL 43,130.00 44,208.00

LONGEVITY 80.00

FICA 3,388.00

HOSPITAL 8,400.00

RETIREMENT 3,131.00

401K 1,326.00

TOTAL AUTHORIZED POSITIONS 1 FULL TIME; PART-TIME AS NEEDED.

COUNTY OF DAVIE
BUDGET 2014-2015 FISCAL YEAR

Yrs Srvc
Jul 14 -

Org	Emp #	Last Name	First	Job Desc	Service Date	Jun 15	Grade	Hourly	Annual	Request	
57050	838	GODBEY	MICHEAL	SENIOR LINE MAINT MECHANIC	07/21/2008	6	62		32,184.00	32,989.00	CERT

TOTAL FULL TIME 32,184.00 32,989.00

TOTAL PART TIME - -

TOTAL 32,184.00 32,989.00

LONGEVITY 230.00

FICA 2,541.00

HOSPITAL 8,400.00

RETIREMENT 2,349.00

401K 990.00

TOTAL AUTHORIZED POSITIONS 1 FULL TIME; PART-TIME AS NEEDED.

LONGEVITY 6,900.00

FICA 61,217.00

HOSPITAL 176,400.00

RETIREMENT 54,439.00

401K 22,893.00

2014-2015 Proposed Rates and Fees

Service	Size	Current Fee	Requested 2014-2015	Net Increase
Water Tap Fees	3/4"	\$1,650.00	No change	\$0
	1"	\$2,300.00	No Change	\$0
	1 1/2"	\$3,150.00	No Change	\$0
	2"	\$4,700.00	No change	\$0
	3" or more	Cost plus materials	Cost plus materials	\$0
Irrigation tee off	3/4"	\$875.00	No change	\$0

Service	Description	Current Rate	Requested 2014-2015	Net Increase
Water Rates/County Wide	0-3000 gallons	\$24.00	\$26.00	\$2.00
	Over 3,000	\$4.18 p/1000	\$5.00 p/1000	20%
Irrigation/County Wide	0-3000 gallons	\$24.00	\$28.00	\$4.00
	Over 3,000	\$4.73 p/1000	\$5.50 p/1000	16%
Cooleemee sewer	0-3000 gallons	\$14.00	\$20.00	\$6.00
	Over 3,000	\$3.37 p/1000	\$3.60 p/1000	7%
Mocksville to Cooleemee	0-3000	\$14.00	\$20.00	\$6.00
	Over 3,000	\$3.37 p/1000	to be Determined Per contract p/1000	3%
East Davie Sewer	0-3000	\$25.00	\$32.00	\$7.00
	Over 3,000	\$8.24 p/1000	\$11.00 p/1000	33%
Capacity Fee	one time fee	\$10 p/gallon	\$13 p/gallon	\$3.00

2014-2015

GREY ENGINEERING, INC.

Mr. Johnny Lambert, Director
Davie County Public Utilities
298 E Depot St.
Mocksville, NC 27028

1/31/14

Re: Davie County Water System 2014 Rate Study

Dear Johnny:

We have performed a water and sewer rate analysis based on historic data provided from the billing system for November 2012 through the end of October 2013, annual audit reports from the Davie County website and our discussions of necessary pending capital improvements.

The attached tables represent our findings and recommendations through FY 19/20. **Table 1** presents projected rates, revenues and expenses. **Table 2** presents a strategy for capital improvement funding that holds one year of expenses in fund balance, then allocates net revenues to capital project funds. **Table 3** presents average residential two-month bills for each projected rate increase. **Table 4** presents useful summary statistics gleaned from detailed billing records for the period referenced. **Table 5** presents detailed system statistics summarizing residential, commercial, industrial and institutional information by account category for the period indicated.

The starting date for each suggested rate increase is indicated on the associated table as July 1 of each budget year and it is noted that the actual billing would follow approximately 75 days later. As prices rise, demand will fall somewhat (demand elasticity) and conservation will be encouraged. These calculations assume only a 1% overall growth rate and that demand will be reduced by approximately 2.5% for every 10% of rate increase.

It is critical that the Davie Water and Sewer system earn sufficient revenues to fund required capital improvements including:

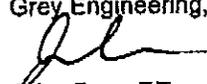
1. The Eastern Davie wastewater treatment plant project;
2. An emergency water connection to Davidson County to abate risk from the aging Cooleemee Water Plant;
3. The Cooleemee Wastewater Treatment Plant upgrade for nutrient removal that will be required in 2019 NPDES permits;
4. Cooleemee Water Treatment plant replacement in accordance with various engineering recommendations due to failing concrete structures;
5. Various line extensions and system improvements.

Fund allowances for these projects are shown in **Table 2**. Once you have reviewed these recommendations, we can work with you to develop project specific road maps.

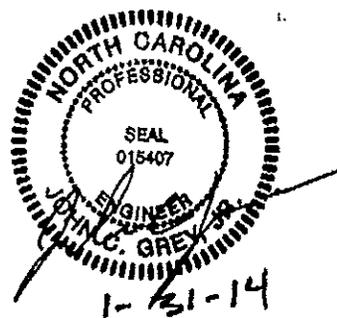
Thank you for this opportunity to be of service. We look forward to your comments.

Sincerely,

Grey Engineering, Inc.


John Grey, PE
President

Attachments



**Table 1
Projected Rates, Revenues and Expenses**

	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Davie County Water						
Yr Beg Base Rate	26.00	28.00	30.00	31.00	32.00	33.00
Yr Beg Variable Rate	5.00	6.00	6.25	6.50	6.75	7.00
Irrigation						
Yr Beg Base Rate	28.00	30.00	32.00	33.00	34.00	35.00
Yr Beg Variable Rate	5.50	6.50	6.75	7.00	7.25	7.50
Yr End Operating Revenues	3,938,840	4,327,854	4,560,844	4,729,193	4,899,240	5,071,050
Yr End Expenses	3,100,300	3,193,309	3,289,108	3,387,782	3,489,415	3,594,097
Yr End Net Revenue	838,540	1,134,545	1,271,736	1,341,411	1,409,825	1,476,952
<hr/>						
East Davie Sewer						
Yr Beg Base Rate	32.00	44.00	46.20	49.50	53.40	50.00
Yr Beg Variable Rate	11.00	14.00	15.50	16.50	17.80	16.50
Capacity Fee	13.00	14.00	15.00	16.00	16.50	17.00
Yr End Operating Revenues	840,365	1,031,057	1,100,234	1,169,350	1,248,999	1,173,352
Yr End Expenses	938,939	999,644	1,064,448	1,133,634	1,207,502	1,167,496
Yr End Net Revenues	-98,574	31,413	35,786	35,716	41,497	5,856
<hr/>						
Cooleemee Sewer						
Yr Beg Base Rate	20.00	21.00	22.00	23.00	24.00	25.00
Yr Beg Variable Rate	3.60	3.80	4.00	4.25	4.50	4.75
Yr End Operating Revenues	337,883	349,894	362,177	375,024	388,151	401,569
Yr End Expenses	431,108	444,041	457,362	471,083	485,215	499,772
Yr End Net Revenues	-93,224	-94,147	-95,185	-96,059	-97,064	-98,203
<hr/>						
Summary						
Overall Yr End Revenues	5,117,088	5,708,805	6,023,255	6,273,566	6,536,391	6,645,971
Overall Yr End Expenses	4,470,346	4,636,994	4,810,919	4,992,498	5,182,133	5,261,366
Overall Yr End Net Revenues	646,742	1,071,811	1,212,337	1,281,068	1,354,258	1,384,606

Notes:

- (1) Base rates shown are for two months and 3,000 gallons.
- (2) Variable rate is cost per thousand gallons after 3,000 gallons.
- (3) Cooleemee WTP contributes to Cooleemee sewer.
- (4) Rate changes become effective on July 1 of the earliest year indicated.

**Table 2
Capital Project Funding**

Starting Assumptions	7/1/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20
		FY14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20
Yr End Unrestricted Fund Balance	6,900,000	4,470,346	4,636,994	4,810,919	4,992,498	5,182,133	5,261,366
Transfer to Overall Cap. Projects Funds	2,400,000	676,396	1,071,811	1,212,337	1,281,068	1,354,258	1,384,606
Prev Capital Projects Balance	2,122,000						
Starting Capital Projects Balance	4,522,000						
Accumulated Overall Capital Project Funds	4,522,000	5,198,396	6,270,207	7,482,544	8,763,612	10,117,870	11,502,476

Individual Capital Project Funding

Individual Capital Project Allocations	Est. Project Allowance	7/1/14	6/30/15	6/30/16	6/30/17	6/30/18	6/30/19	6/30/20
		Beginning FY 14/15	Ending FY14/15	Ending FY 15/16	Ending FY 16/17	Ending FY 17/18	Ending FY 18/19	Ending FY 19/20
East Davie Sewer	16,000,000							
Transfer In		1,000,000	1,000,000	500,000	500,000	500,000		
Balance		1,000,000	2,000,000	2,500,000	3,000,000	3,500,000	3,500,000	3,500,000
Emergency Water Connection	4,000,000							
Transfer In		1,000,000	500,000	500,000	500,000	500,000	1,000,000	
Balance		1,000,000	1,500,000	2,000,000	2,500,000	3,000,000	4,000,000	4,000,000
Line Extensions and System Revisions	700,000							
Transfer In		100,000	100,000	100,000	50,000	50,000	100,000	200,000
Balance		100,000	200,000	300,000	350,000	400,000	500,000	700,000
Cooleemee WTP Replacement	18,000,000							
Transfer In		250,000	250,000	100,000	100,000	100,000	100,000	100,000
Balance		250,000	500,000	600,000	700,000	800,000	900,000	1,000,000
Cool WWTP Nutrient Removal	3,000,000							
Transfer In		250,000	250,000	200,000	100,000	200,000	200,000	1,000,000
Balance		250,000	500,000	700,000	800,000	1,000,000	1,200,000	2,200,000
Annual Aggregate Project Allocations		2,600,000	2,100,000	1,400,000	1,250,000	1,350,000	1,400,000	1,300,000
Unallocated Overall Project Fund Balance		1,922,000	498,396	170,207	132,544	63,612	17,870	102,476

Notes:

- (1) One year of operating expenses are held in enterprise fund balance at all times.
- (2) Excess revenues will be apportioned among Capital Projects.
- (3) East Davie Sewer will be funded out of revenue bonds after 6/30/18.
- (4) Mocksville will share expense of Cooleemee WWTP nutrient upgrades.

**Table 3
Average Residential Two Month Bills Under New Rates**

	Effective Dates of New Rates						
	1/1/14	7/1/14	7/1/15	7/1/16	7/1/17	7/1/18	7/1/19
Davie County Water							
Base Rate	24.00	26.00	28.00	30.00	31.00	32.00	33.00
Variable Rate	4.18	5.00	6.00	6.25	6.50	6.75	7.00
Average Residential Bill	50.63	55.56	60.79	63.61	65.41	67.19	68.97
Irrigation							
Base Rate	24.00	28.00	30.00	32.00	33.00	34.00	35.00
Variable Rate	4.73	5.50	6.50	6.75	7.00	7.25	7.50
Average Residential Bill	38.17	43.14	46.19	48.46	49.72	50.96	52.20
East Davie Sewer							
Base Rate	25.00	32.00	44.00	46.20	49.50	53.40	50.00
Variable Rate	8.24	11.00	14.00	15.50	16.50	17.80	16.50
Average Residential Bill	69.97	84.25	103.10	108.63	114.09	120.66	112.34
Cooleeemee Sewer							
Base Rate	14.00	20.00	21.00	22.00	23.00	24.00	25.00
Variable Rate	3.37	3.60	3.80	4.00	4.25	4.50	4.75
Average Residential Bill	28.50	35.05	36.50	37.95	39.48	40.99	42.49

Table 4
Summary Statistics for the Period From November 2012 through October 2013

	Usage Billed Gals	Percent of Total Usage Gals	Period Revenue \$	Percent of Total Rev. %	Billed Accounts #	Two Mo. Avg. Res. Usage Gals
Davie County Water	511,327,867	80.2%	2,755,403	80.0%	8,606	9,371
Davie County Irrigation	44,979,460	7.1%	276,192	8.0%	829	5,997
East Davie Water	81,200,240	12.7%	414,504	12.0%	1,245	8,198
Total Water Fee Rev	637,507,587	100.0%	3,446,099	100.0%	10,680	
Average Daily Flow	1,746,596					
East Davie Sewer	83,821,490		594,580		1,254	8,458
Average Daily Flow	229,648					
Cooleemee Sewer	18,438,420		71,478		393	7,304
Average Daily Flow	50,516					
Mocksville Bear Creek Sewer	74,975,524		245,193			
Average Daily Flow	205,412					
Total Sewer Fee Rev.			911,251			
Tot Water and Sewer Fee Rev.			4,357,350			
Pass-Through Billing						
Mocksville Sewer	17,031,760		112,117		171	7,771
Bermuda Run Sewer	46,496,430		275,569		363	
Bermuda Run Irrigation	1,591,430		12,494		55	
Total Bermuda Run			288,063			

Table 5
Detailed System Statistics For the Period From November 2012 through October 2013

Account Code		Avg. No. of Acc'ts	Avg. No. of Acc'ts Billed	Total Usage Gals	Two Month Average Usage Gals	Total Revenue \$	Two Month Average Bill \$
11	Davie County Water						
	Residential	9,240	8,299	466,608,199	9,371	2,519,069	50.59
	Commercial	209	181	28,850,520	26,590	130,943	120.68
	Industrial	15	15	14,404,780	161,851	58,859	661.34
	Institutional	120	112	1,464,388	2,189	46,532	69.55
10	Davie County Irrigation						
	Residential	823	793	28,514,160	5,997	198,547	
	Commercial	37	37	16,465,300		77,645	
17	East Davie Water						
	Residential	1,275	1,183	58,180,510	8,196	328,940	46.34
	Commercial	59	58	17,530,030	52,643	63,305	190.11
	Institutional	7	6	5,489,700	152,492	22,259	618.30
27	East Davie Sewer						
	Residential	1,270	1,186	60,162,060	8,458	423,671	59.56
	Commercial	64	61	17,659,730	48,516	127,878	351.31
	Institutional	9	8	5,999,700	130,428	43,032	935.47
21	Cooleeemee Sewer						
	Residential	418	386	16,017,980	7,304	62,541	28.52
	Commercial	22	17	791,080	7,832	3,270	32.38
	Industrial	3	3	1,059,100	58,839	3,425	190.26
	Institutional	9	8	570,260	11,880	2,242	46.71
35	Mocksville Bear Creek Sewer	1	1	74,975,524		245,193	40,865.52
	Mocksville Sewer Billing						
31	Residential (out)	141	135	6,294,630	7,771	56,175	69.35
	Commercial (out)	16	13	844,130	10,963	8,052	104.57
	Industrial (out)	1	1	6,000	1,000	238	39.67
	Institutional (out)	8	8	3,883,510	79,255	24,531	500.63
30	Commercial (in)	13	12	3,039,990	41,644	11,950	163.70
	Industrial (in)	2	2	2,963,500	246,958	11,171	930.94
25	Bermuda Run Sewer Billing						
	Residential	673	360	45,081,230		266,903	
	Commercial	3	3	1,415,200		8,667	
26	Bermuda Run Irrigation Billing						
	Residential	56	55	1,591,430		12,494	

Notes:

- (1) Bermuda Run billings include master metered accounts which will skew average consumption calculations.
- (2) Date source is an aggregate of billing records.