

# FISCAL YEAR 2011 BUDGET



WESTERN VIRGINIA  
WATER AUTHORITY

*Our Mission is Clear*



# Fiscal Year 2011 Budget

Our Mission is Clear

## **Purpose**

The Western Virginia Water Authority (Authority) which started operations July 1, 2004 was created from the utility departments and billing offices of the City of Roanoke and Roanoke County. The Authority's mission is to protect and manage essential water resources through the delivery of quality water and wastewater service to its customers. During the last several years, the Authority entered into contracts for water and wastewater services with Franklin County. In 2009 Franklin County joined the Authority. Water service is provided to more than 57,000 residential, commercial and industrial locations in the City of Roanoke, Roanoke County and the Smith Mountain Lake area of Franklin County and to customers in other area localities through bulk sales contracts. Sewer service is provided to approximately 51,000 residential, commercial and industrial locations. Bulk wastewater service contracts with the City of Salem, the Town of Vinton and Botetourt County provide service to the majority of citizens in these localities.

The Authority has ongoing water and wastewater service contracts with the Town of Fincastle. Operating revenues and expenses related to these systems are included in the budget.

This document summarizes accomplishments of the current year and the budget for Fiscal Year 2011, organized by fund, including projected revenues and planned expenditures (pages 1-3). A summary of the Authority's five-year Capital Improvement Plan (pages 4-6) for each fund is also included as well as the five-year user rate plan (Appendix A).

## **Organization**

The Authority is overseen by a seven-member Board of Directors appointed by the elected bodies of the City of Roanoke and Roanoke County and Franklin County. Board members serve four-year terms. Appendix B provides an introduction to the current Board members.

Authority staffing includes 263 full-time employees assigned into four operating divisions. One new full time position is included in this budget. Following no annual pay raise for employees last year, this budget is planning for a modest increase for employees in this budget.

The Authority's finances are organized into two funds, Water and Water Pollution Control (WPC). The Water Fund fully supports debt incurred for water facilities and the Water Capital Improvement Plan, as well as fully funding the Water



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Operations Division and 50% of the operation of Field Operations and Internal Services.

The WPC Fund supports debt incurred for wastewater facilities, the Wastewater and Water Pollution Control Plant Capital Improvement Plans, the operations of the Water Pollution Control Division and 50% of the operations of Field Operations and Internal Services.

**Water Operations.** This division is responsible for operation of the Authority's water treatment plants and reservoirs as well as operation and maintenance of metering systems and operation of pumping stations and elevated storage tanks. Water production for the Authority is provided at the Spring Hollow, Carvins Cove, Falling Creek and Crystal Spring water treatment plants. In addition, supplemental water can be provided from various groundwater well systems owned by the Authority. Current rated treatment capacity is approximately 56 million gallons a day (mgd) with average production of approximately 23 mgd. Wholesale purchases of water are also used to feed into the Franklin County Smith Mountain Lake system. Security and recreation at the Carvins Cove Reservoir and Natural Reserve are also responsibilities of the Water Operations division.

**Water Pollution Control.** Functions of this division include operation of the Roanoke Regional Water Pollution Control (WPC) Plant, industrial and building maintenance of the Authority's facilities, operation of sewage lift stations, evaluation of the sanitary sewer collection system for inflow and infiltration control, land application of biosolids, septage treatment and industrial pretreatment. The WPC Plant provides advanced treatment under a permit from the Virginia Department of Environmental Quality. Long term average annual daily flow is 37 million gallons per day (mgd) with a permit limit of 55 mgd. The Authority also operates a small package plant in the Westlake area of Franklin County.

**Field Operations.** Located at the Authority's Field Operations Center on Hollins Road, operations of this division include construction and maintenance of the Authority's water distribution system including water mains, valves and fire hydrants and construction and maintenance of the wastewater collection system, including gravity mains and manholes. This division provides emergency and after-hours customer response 24-hours-a-day, seven-days-a-week. The majority of the Authority's fleet is managed by this division. This includes service and tool trucks, backhoes, dump trucks, front end loaders and track hoes.

**Internal Services.** Located at the Authority's administrative headquarters at the corner of Franklin and Jefferson in downtown Roanoke, the Internal Services group includes Utility Administration, Engineering Services, Finance, Human



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Resources and Information Technology. Utility Administration includes the Authority's executive management. Engineering Services division is responsible for development review, capital program implementation, construction inspection, utility infrastructure location and mapping. Finance includes accounts payable and receivable, debt management and investments. Human Resources division includes the personnel, payroll, risk management, safety functions and the Authority's environmental education and outreach program. Information Technology includes the functions of billing, customer service and data processing.

In addition to the operating divisions listed, the Authority also contracts for services to private vendors, the City of Roanoke and Roanoke County. The Authority's legal services and processing of payments by regular mail are contracted to private companies. Roanoke County provides fleet and fuel management services to the Authority. The City of Roanoke provides information systems support including applications, networking and phone systems.

## **Accomplishments of the Current Fiscal Year**

As the Authority's sixth fiscal year comes to a close, the Executive Directors would like to note a number of accomplishments and achievements completed through the dedication and determination of the employees of the Western Virginia Water Authority.

### **Regionalism**

Following a joint public meeting in early November between the Council of the City of Roanoke, and the Boards of Supervisors of Roanoke County and Franklin County and the Western Virginia Water Authority, Franklin County officially joined the Western Virginia Water Authority on November 24, 2009.

Progress continued on the U.S. Route 220 water line, which began in FY08. This project, a joint agreement between the Counties of Franklin and Roanoke and the Authority, will provide reliable public water and fire protection for the residents in our regional community. The section of the water line that is located in Roanoke County was completed, tested and put into service in 2009. Aaron J. Conner, General Contractor Inc. of Roanoke continues work on Phase II, the portion of the line in Franklin County. When completed later this year, the 65,000 - foot water line will extend to the Wirtz Plateau area of Franklin County.

In conjunction with the U.S. Route 220 water line, plans are underway to extend a water line along Taylors Road approximately 2,500 lineal feet to Boones Mill Elementary School and approximately 3,000 feet along Wirtz Road. The Wirtz



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Road extension is being funded through the American Recovery and Reinvestment (Stimulus) Act and the DEQ Leaking Underground Storage Tank (LUST) mitigation program.

Contract services for the Town of Fincastle's water supply system and wastewater treatment facility continued for the fourth year. Services include daily operation, maintenance and testing services, meter reading, billing and the development of a preventative maintenance program for the Town.

The Authority, in partnership with Roanoke County, dedicated the Joint Fleet Maintenance Service Facility located off Hollins Road in October 2009. This 23,079 square foot facility accommodates both Roanoke County and Western Virginia Water Authority fleet vehicles and equipment.

Engineering Services completed a project to GPS locate fire hydrants in the Town of Vinton and portions of the water system in Roanoke County that the Town maintains. This cooperative effort between the Authority, the Town and Roanoke County Fire Department will display hydrants on the Authority's GIS website for ease of access by all parties.

This spring, the Authority co-sponsored a one-day seminar on utility management at the Spring Hollow Water Treatment Facility with the Joint Utility Management Committee of the state chapter of the American Water Works Association and the Virginia Water Environment Association.

In 2010, the Authority entered into a contract with Roanoke County's 911 Emergency Dispatch service to have dispatchers receive and route calls from Authority customers after normal business hours. This partnership allows customers who are experiencing a water or sewer emergency to reach a trained representative 24-hours-a-day.

### **Water Division**

Authority CIP crews and outside contractors replaced undersized and aging water lines throughout the service area to provide customers with improved water flow and fire protection. During FY10, lines were rehabilitated along Townsend Road, Rugby Boulevard, Rorer Avenue, Harrison Avenue, Club Lane and in the Deyerle Road neighborhood. The Rugby Boulevard and Rorer Avenue Water Line replacements were funded with grants from the American Recovery and Reinvestment (Stimulus) Act while the Harrison Avenue Water Line replacement was funded in part by the VWSRF program.



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In addition, E.C. Pace Company began construction on the Scruggs Road (Route 616) water line extension project. This water line, scheduled to be completed this fall, will serve the Water Front, Boardwalk and Windmere Point subdivisions and allow them to be disconnected from the groundwater systems that presently provide water.

Carnell Construction Corporation of Martinsville continued efforts to rehabilitate the Falling Creek Dam. This project that started in May 2009, involves stabilizing the slope of the dam, controlling seepage and increasing the spillway capacity to bring the dam into compliance with current State dam regulations. To assist with the grouting of a new pipe sliplined in the raw water line penetrating the dam, the reservoir was drained. The Field Operations Crew offered considerable assistance in repeatedly draining the reservoir as heavy precipitation kept refilling the reservoir.

While the construction on the dam continued, staff worked to make improvements to the treatment facility including replacing filter media, tube settlers and baffles and improving the chemical feed systems.

Staff also negotiated with DEQ on Notices of Violation from the Falling Creek backwash discharges. To meet the stringent copper discharge limits from the September 2008 discharge permit, Authority and DEQ staff agreed to recycle the backwash water in the plant instead of discharging it into Falling Creek.

Heavy snowfall and frigid temperatures greatly hampered efforts to repair water main breaks. In many instances Field Operations and Water Distribution personnel worked around the clock under miserable weather conditions to quickly and efficiently restore the water distribution system to its normal condition.

Work commenced in April on the Clifford D. Craig Memorial Dam (at Spring Hollow) Drilling and Grouting Project. This project is intended to target those areas that appear to be the primary sources of seepage at the interface between the roller compacted concrete (RCC) dam and the rock foundation.

Staff submitted an application to the State Corporation Commission in order to acquire the water system which serves the Contentment Island development at Smith Mountain Lake.

### **Water Pollution Control Plant**

After several consecutive years of below normal precipitation, this past year saw heavy rains and significant resulting in increased flows at the Water Pollution Control Plant. Of particular note were November and December 2009 flows.



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Average flows for November were 54.2 mgd with a daily peak of 137.4 million gallons associated with the November 10-11<sup>th</sup> storm event. This record peak day shattered the previous peak day of 103.4 mgd. Average flows for December were 74.7 mgd with a peak day of 120.9 mgd associated with the December 8-9<sup>th</sup> storm. Both months' average flows exceeded the highest monthly averages ever recorded at the plant. Even at these high flow conditions, treatment removal efficiencies were excellent, meeting permit conditions with 99.9% removal of BOD and above 97% for all other parameters. Unfortunately, the increased precipitation levels caused the three-year record of no plant overflows to be broken with overflows from the equalization basin in both November and December.

Because the high average daily flows exceeded permitted capacity for three months in a row, a re-opener clause in the Authority's permit with DEQ was triggered. Staff sent the required notification letter but is not proposing any action at this time as the flow exceedences were driven by weather and not overdevelopment.

The National Association of Clean Water Agencies (NACWA) recognized the Water Pollution Control staff with a Gold Operations Award for plant management. NACWA also recognized the Authority's efforts with other Virginia utilities in the creation of the Virginia Biosolids Council. Scott Shirley, Director of Wastewater Operations, was selected by the Virginia Water Environment Association (VWEA) to receive the Hatfield Award. The Hatfield Award is presented to operators of wastewater treatment plants for outstanding performance and professionalism and is the highest award offered by VWEA.

The Authority was awarded a \$500,000 grant in February through the Commonwealth's Department of Mines, Minerals and Energy to help convert excess methane gas at the WPCP into usable electricity. The first of the three generators, the diesel powered machine that will provide back-up power to the plant, arrived in late March. The other two generators will use methane to provide 40% of the plant's electrical needs and eliminate 4,600 metric tons of greenhouse gas from being released from the plant each year. Delivery and installation of those generators is expected to be complete later this year.

Staff worked with four property owners at Smith Mountain Lake to install sanitary sewer in the Westlake Service District as part of three development projects that will add significant flow to the Westlake Plant.

Repairs and replacements were made to sewer lines along Hershberger Road, Liberty Road, First Street, Ranch Road and Brandon Lane. New sanitary sewer lines were installed in the Cherokee Hills and Fairhope neighborhoods to replace homeowner's connections to aging and failing septic systems.



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Final acceptance was given to improvements made to the Lower Murray Run Sewer area and a model was developed to identify sources of inflow and infiltration (I&I) in the Tinker Creek Interceptor.

## **Field Operations**

The Field Operations Division dedicated their new 12,000 sq. ft. facility on Hollins Road in July. This new building offers additional work space as well as many OSHA-required features typical of utility shops. The training space in this building is used for the new Public Works Academy and has already served as the host location for several community events.

As noted earlier, bitterly cold weather and excessive precipitation in January resulted in the highest ever monthly water break total (130) for the Authority. Crews from all divisions worked a total of 2,550 hours of overtime and some outside contractors were called in to help repair the record number of breaks.

## **Internal Services**

The Authority notified Roanoke County in February 2010 of their intent to not participate in the County's health care coverage program. Although the relationship with the County had been very positive, The Local Choice Health Benefit Program (TLC), an Anthem program offered to Commonwealth of Virginia employees and families, offered Authority employees more options at a lower rate. During Open Enrollment in April, all employees heard information about the new program so they could make educated decisions about enrolling in the new plans.

The Blue Ridge Chapter of the Public Relations Society of America awarded the Authority a Silver Summit award in the moderate budget print publication category for the safety rewards campaign. The Authority received the national Public Education Award from the Water Environment Federation for the Authority's comprehensive approach to outreach including classroom visits, tours, publications and website content.

Authority staff participated in a number of public events designed to inform citizens of the Authority's operations including public forums, fairs and speaking engagements by individual Authority employees. Over 9,600 students in the City of Roanoke and Roanoke County participated in classroom presentations or tours of our treatment facilities. These outreach programs support the Authority's vision of protecting our natural environment through education and conservation.



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Authority staff continued to work with Virginia Western Community College to offer the Water and Wastewater Certificate Program. This curriculum is intended to generate interest and prepare trainees for a career in the water and wastewater industry and to assist individuals currently employed in the field with career advancement opportunities. Several students from the first two programs are currently employed by the Authority as Operators in Training or as Full-time employees.

Customer service averaged over 575 customer interactions per day for the year and successfully met their goals by answering 91% of all incoming calls.

## **Goals for Fiscal Year 2011 Budget**

**Operations.** The continuing economic uncertainties are foremost in planning for this budget. Directors submitted budgets to control expenditures where possible with a goal of limiting increases in the budget to 2% for operations and maintenance. Fiscal Year 2010 has seen lower customer water consumption levels and this budget reduced the forecast water consumption by 3%. Water operational goals include managing water production resources facing lower consumption levels and increased costs for electricity. Wastewater operational goals include managing the treatment process faced with electricity and chemical cost increases along with reductions to inflow and infiltration entering the collection system.

**Capital.** Capital goals include providing adequate funding for capital infrastructure replacement. This year's budget plans for \$3.8 million for water capital projects and equipment expenditures focused on replacing aging water line infrastructure, reservoir improvements and meter replacements. \$29.7 million is budgeted for sewer capital projects and equipment expenditures. The capital plan for the wastewater system is divided into two components, wastewater collection system capital improvements and wastewater plant capital improvements. The Wastewater Capital Plan also integrates the elements of the Corrective Action Plan (CAP) required by the consent order to address I&I control. Elements of the CAP included sewer system delineation and prioritization, flow metering, pipe inspection, modeling and capital construction. Staff has divided the wastewater collection system into more than 30 drainage areas, referred to as sewersheds. The sewersheds have been prioritized for action based upon flow metering data and computer modeling. The CAP's overall plan is to eliminate sewer overflows from wet weather events resulting from storm frequencies of two years or less. The CAP also includes special high priority projects such as the Mudlick Creek Interceptor Replacement and the Tinker Creek Interceptor Improvements intended to eliminate recurring overflow points.



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**Financial.** The Authority's fiscal policy contains policies related to budgeting for revenues, expenses, capital improvements, reserves and development of rates and fees. This budget follows those guidelines and meets the requirements stated within. The Board has also adopted Financial Performance Measurements which are reviewed annually. This budget conforms to those standards as well.

**Regional.** The Authority seeks to increase regional cooperation and activity. Contract work for the Town of Fincastle will continue in the areas of meter reading, wastewater plant operations and billing.

## **Water Fund Fiscal Year 2011 Budget**

**Assets.** The Authority's drinking water system consists of 1,000-miles of water main, 4,000-fire hydrants, 50-pumping stations and 48-storage tanks in addition to the four treatment plants previously mentioned. Water Fund assets total \$355.4 million as of June 30, 2009 and the balance of the cash and cash equivalents as of March 2010 is \$7.2 million.

**Revenue.** Water Fund revenue sources include direct billings for service to Authority residential, commercial and industrial customers, bulk service billings to other localities, development and service fees, nonoperating contributions and lease and investment income.

The proposed rate changes, subject to public notification and hearing, along with a revised projection of water consumption, result in retail revenues approximately 4% ahead of last year's budget. Total Operating Income is projected to increase 3% over last year's budget. Estimated operating and non-operating revenue for Fiscal Year 2011 is approximately \$27 million, an increase of 3% over the 2010 budget which includes the half-year revenue increase of the expected rate change.

**Expenditures.** Water Fund cash expenditures for Fiscal Year 2011 are \$23.1 million, including debt service of \$7.9 million. Expenses incurring increases this year include electric, paving, and labor. Overall operating expenses will increase 3% under the budget. The operating margin is forecast to be 40% and funds available for capital use and reserves total \$3.8 million.

## **Water Pollution Control Fund Fiscal Year 2011 Budget**

**Assets.** The wastewater collection system consists of 900-miles of gravity sewer main, more than 22,000-manholes, 21-sewage lift stations with 10 miles of



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pressurized force mains and the regional WPC Plant. Water Pollution Control (WPC) Fund assets total \$328.2 million as of June 30, 2009, and the balance of the Cash and cash equivalents as of March 2010 is \$16.9 million.

**Revenue.** WPC Fund revenue sources include direct billings for service to Authority customers, bulk service billings to other localities, development and service fees, septage disposal fees and lease and investment income.

The proposed rate changes, subject to public notification and hearing, along with a revised projection of sewer flow result in retail revenues approximately 5% ahead of last year's budget. Overall operating income will increase 4%. Total estimated revenue for Fiscal Year 2011 is approximately \$28.5 million, which includes the half-year revenue increase of the expected rate change.

**Expenditures.** WPC Fund cash expenditures for Fiscal Year 2011 are \$23.6 million which includes debt service expense of \$6.4 million. Operating expenses are projected to increase 2% this year. Expenses incurring increases this year include biosolids handling, electric and chemicals. The operating margin is forecast to be 38% and funds available for capital and reserves are \$4.9 million compared to \$4.2 million in last year's budget.

### **Debt Service**

The projected debt service for FY 2011 is \$7.9 million for the Water Fund and includes debt recently issued for ARRA bonds for Rorer Avenue, Rugby Blvd, Harrison Avenue and Liberty Road. The projected debt service for FY 2011 is \$6.4 million for the Water Pollution Control Fund.

Total debt outstanding for the Water Fund at the end of FY 2009 was \$78.3 million. Principal payments of \$4.5 million will be made in fiscal year 2011. Total debt for the Water Pollution Control Fund at the end of FY 2009 was \$74.1 million. Principal payments of \$6.4 million will be made in fiscal year 2011.

The Water Fund is applying for funding through the Virginia Department of Health's Revolving Loan Program for the Salem Turnpike waterline replacement project in the amount of \$590,000. Repayment of this debt will not impact the 2011 budget. This program offers 20-year repayment schedules at interest rates in the 3 to 4% range.

The Wastewater Fund is planning on applying for funding through the Department of Environmental Quality's Revolving Loan Program for \$25.3 million. Consent order projects will be for \$11.87 million and \$13.48 million will be for treatment plant projects. The treatment plant project's loan repayment will be



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shared by the plant partner jurisdictions. Repayment of this debt will not impact the 2011 budget. This program offers 20-year repayment schedules at interest rates in the 3 to 4% range

Projected Debt Service coverage for the Water Fund is 1.51 times and 1.77 times for the Water Pollution Control Fund. Both systems are required to maintain at least a 1.1 times coverage on senior debt and 1.0 times coverage on locality compensation payments.

## **Rates**

The Authority has advertised for a change beginning in January 2011 in the water and wastewater base rates as shown in Appendix A. Appendix A shows the schedule of current and proposed user rates. For Roanoke area residential water customers, the proposed base rate would increase \$1.50 over the current amount. There is no change in the volume charge proposed under this budget. The average water bill for Roanoke area residents using 5,000 gallons a month will change from \$21.25 to \$22.75.

For Roanoke area residential wastewater customers, the proposed base rate would increase \$1.95 over the current amount. There is no change in the volume charge proposed under this budget. The average sewer bill for Roanoke area residents using 5,000 gallons a month of water will change from \$26.75 to \$28.70.

A change is proposed for the Franklin County service area rate schedule for minimum monthly base charge. A fee of \$16.00 for undeveloped lots with a 5/8 inch meter is proposed and includes a minimum monthly usage of 2,000 gallons.

The Authority is proposing no change in Availability and Connection fees this year. The Availability fee is designed to contribute to capital costs and the Connection fee is designed to recover the cost of connecting to the system. The current water Availability fee for residential service is \$2,500 and \$2,000 for a Connection fee. The current sewer Availability fee for residential service is \$2,500 and \$2,000 for a Connection fee.

## **Reserve Funds**

The Authority has several reserve funds. The Contingency Reserve Fund is being built over a ten-year period to a level of \$5 million. The amount of funding scheduled for fiscal year 2011 is \$533,333. The Water and WPC Fund will each contribute \$266,666 in this budget.



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The Water and WPC Fund are building an Operating Emergency Reserve Fund over a 15-year period to equal three months of operating expenses. These annual requirements are fully met in the budget. The Water Fund will allocate \$218,296 and the Wastewater Fund will allocate \$245,228 to fund their Operating Emergency Reserve Fund.

The Construction Reserve Fund contains reserves to be used as a source of capital funding. Surplus operating monies at year-end are added to this fund. The target level of this fund is 10-12% of operating expenses. The budget increases the amount in the Water Construction Reserve by \$250,231 and uses \$230,000 to fund capital projects. The projected balance of the fund after these transactions is \$868,976.

The WPC Construction Reserve will have \$54,483 added from operations and is being used to fund \$650,000 in capital projects in the fiscal year 2011 budget. The projected balance of the fund after these transactions is \$1,740,126.

## **Capital Improvement Plan**

A five-year summary of the Water and Water Pollution Control Fund Capital Plans is provided. Funding for these projects comes from fund revenues, debt service and capital contributed by developers and other local governments.

Annual improvements for the Water Fund Capital Plan range from \$3.4 to \$5.8 million over the next five years. Total capital spending for the five-year period is \$22.6 million. The plan provides a wide variety of projects in 2011 including numerous distribution system improvements, treatment facilities improvements and the purchase of meters and capital equipment.

The Water Pollution Control Fund's Capital Plan contains two elements – a WPC Plant Capital Plan and a Wastewater Capital Plan, which primarily addresses collection system infrastructure.

The WPC Plant Capital Plan was established by contract with the other local jurisdictions utilizing the plant. Cost sharing is determined by flow allocation. The Authority's cost share is slightly more than seventy percent (70%) of a total annual funding of \$1.2 million. Debt issuance is planned in 2011 in the amount of \$12.6 million for additional plant improvements to meet the Wet Weather Consent Order. Total capital spending for 2011 plant improvements total \$13.8 million.



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The Wastewater Capital Plan includes funding for design studies to meet the Wet Weather Special Order by Consent as well as collection system improvements for inflow and infiltration (I&I) reduction and extensions for development. Total capital spending for the five-year period is \$40.7 million. Capital Debt issuances of \$22.9 million are expected over the next five years to fund the improvements required by the Wet Weather Special Consent Order. Of this amount, projects for 2011 funded by debt are projected to be \$12.7 million.

## **Summary**

The staff of the Western Virginia Water Authority is proud of the accomplishments during our sixth year of operations. We look forward to even greater achievements as we continue to serve our shareholders, our customers in the City of Roanoke, Roanoke County and Franklin County, in the upcoming year.

**Western Virginia Water Authority  
FY 2011 Operating and Capital Budget Summary**

	FY 2011 Budget Water	FY 2011 Budget Wastewater	FY 2011 Budget Total
<b>Income:</b>			
Customer Charges	\$22,665,579	\$24,022,249	\$46,687,828
Connection Fees	\$150,000	\$75,000	\$225,000
Bulk Sales	\$435,000	\$2,250,000	\$2,685,000
Other Income	\$1,999,073	\$1,037,500	\$3,036,573
<b>Total Operating Income</b>	<b>\$25,249,652</b>	<b>\$27,384,749</b>	<b>\$52,634,401</b>
Total Non-Operating Income (1) (2)	\$2,648,848	\$1,892,600	\$4,541,448
<b>Total Income</b>	<b>\$27,898,500</b>	<b>\$29,277,349</b>	<b>\$57,175,849</b>
<b>Expenses:</b>			
Operating Expenses	\$8,510,828	\$10,917,935	\$19,428,763
Field Operations	\$3,460,515	\$3,001,907	\$6,462,421
Internal Services	\$3,154,422	\$3,154,422	\$6,308,844
Depreciation Expense	\$7,093,717	\$7,519,435	\$14,613,152
Total Expense before Debt Service	<b>\$22,219,481</b>	<b>\$24,593,698</b>	<b>\$46,813,180</b>
Net Income before Debt Service	<b>\$5,679,018</b>	<b>\$4,683,651</b>	<b>\$10,362,669</b>
Debt Service Coverage	<b>1.51</b>	<b>1.77</b>	<b>1.63</b>
Long-Term Debt Principal & Interest Payments	\$7,866,015	\$6,390,388	\$14,256,403
Non-Operating Expenses	\$135,650	\$135,650	\$271,300
Total Expenses	<b>\$30,221,147</b>	<b>\$31,119,736</b>	<b>\$61,340,883</b>
Income after Debt Service Available for Capital Use	\$4,021,070	\$4,927,048	\$8,948,118
<b>Equipment &amp; Construction Expenditures</b>			
<b>Funded by Operations:</b>			
Capital Projects	\$2,612,012	\$2,548,956	\$5,160,968
Capital Equipment	\$685,470	\$623,320	\$1,308,790
Water Pollution Control Capital Service Fund	\$0	\$1,200,000	\$1,200,000
Reserve Funds	\$484,962	\$511,894	\$996,856
Total Capital & Reserve Uses	<b>\$3,782,444</b>	<b>\$4,884,170</b>	<b>\$8,666,614</b>
Increase / (Decrease) WVWA Reserves	\$238,626	\$42,878	\$281,504
<b>Surplus Revenue Reserves:</b>			
Beginning Balance Revenue Surplus Fund	\$848,745	\$2,335,643	
Reserve Funding	\$230,000	\$650,000	
Ending Balance Revenue Surplus Fund	\$857,371	\$1,728,521	

**NOTES:**

- (1) Includes Interest Income, Sale of Assets & Availability Fees.
- (2) Includes Non-Cash Revenues from Developers for Dedicated Facilities.

Bruce Grant  
Director of Finance

Adopted June 17, 2010

**Western Virginia Water Authority  
FY 2011 Operating Budget Summary  
Water Fund**

Description	FY 2010 Budget	FY 2011 Budget	Budget \$ Variance	Percent Budget Change
<b>Water Revenues</b>				
Water Sales	21,868,080	22,640,119	772,039	4%
Connection Fees	215,000	150,000	(65,000)	-30%
Bulk Sales	435,000	435,000	0	0%
Fire Service	1,162,644	1,209,073	46,429	4%
Contract Sales	25,460	25,460	0	0%
Other Revenue	775,000	790,000	15,000	2%
<b>Total Water Operating Revenues</b>	<b>24,481,184</b>	<b>25,249,651</b>	<b>768,467</b>	<b>3%</b>
<b>Water Operation &amp; Maintenance Expenses</b>				
Water Purchases	100,000	102,000	2,000	2%
Reservoir Operations	350,417	375,464	25,047	7%
Carvins Cove Water Treatment Plant	1,323,195	1,519,522	196,327	15%
Spring Hollow Water Treatment Plant	1,710,256	1,754,493	44,237	3%
Crystal Spring Water Treatment Plant	192,675	246,669	53,994	28%
Falling Creek Water Treatment Plant	451,454	259,985	(191,469)	-42%
Well Operations	323,911	330,536	6,625	2%
Contract Operations	22,160	20,407	(1,753)	-8%
Smith Mountain Lake System	265,560	295,500	29,940	11%
Laboratory Services	365,752	355,858	(9,894)	-3%
Pump and Storage Operations	823,838	962,371	138,533	17%
Distribution Operations	880,285	592,901	(287,384)	-33%
Meter Operations	737,724	931,948	194,224	26%
Water Treatment Administration	773,519	763,174	(10,345)	-1%
Internal Services	3,078,315	3,154,422	76,107	2%
Water Distribution Service	3,275,027	3,460,515	185,488	6%
Depreciation Expense	6,900,000	7,093,717	193,717	3%
<b>Total Water Operating &amp; Maintenance Expenses</b>	<b>21,574,088</b>	<b>22,219,481</b>	<b>645,393</b>	<b>3%</b>
<b>Income from Operations</b>	<b>2,907,096</b>	<b>3,030,170</b>	<b>123,073</b>	<b>4%</b>
<b>Non - Operating Revenues</b>				
Investment Income	73,000	50,000	(23,000)	-32%
Rental Income	345,620	357,240	11,620	3%
Office Building Income	175,200	125,000	(50,200)	-29%
Availability Fees	735,000	700,000	(35,000)	-5%
Contributed Capital - Localities	452,425	666,608	214,183	47%
Contributed Capital - Dedicated Facilities	700,000	750,000	50,000	7%
Subtotal Non - Operating Revenues	2,481,245	2,648,848	167,603	7%
<b>Non - Operating Expenses</b>				
Office Building Maintenance Expenses	(120,000)	(135,650)	(15,650)	13%
Interest Expense on Bonds	(3,524,023)	(3,329,806)	194,217	-6%
Subtotal Non - Operating Expenses	(3,644,023)	(3,465,456)	178,567	-5%
<b>Total Non - Operating Revenues &amp; Expenses</b>	<b>(1,162,778)</b>	<b>(816,608)</b>	<b>346,170</b>	<b>-30%</b>
<b>Net Income (Loss)</b>	<b>1,744,318</b>	<b>2,213,562</b>	<b>469,243</b>	<b>27%</b>
Principal Payment on Long-Term Debt	4,430,669	4,536,209	105,540	2%
<b>Funds Available for Capital Projects</b>	<b>3,513,649</b>	<b>4,021,070</b>	<b>507,420</b>	<b>14%</b>
Total Income	26,962,429	27,898,499	936,070	3%

**Western Virginia Water Authority  
FY 2011 Operating Budget Summary  
Water Pollution Control Fund**

Description	FY 2010 Budget	FY 2011 Budget	Budget \$ Variance	Percent Budget Change
<b>Water Pollution Control Revenues</b>				
Water Pollution Control Charges	22,731,853	23,922,249	1,190,396	5%
Connection Fees	75,000	75,000	0	0%
Bulk Sales	2,300,000	2,250,000	(50,000)	-2%
Septic Disposal Fees	300,000	350,000	50,000	17%
Contract Operations	95,515	100,000	4,485	5%
Other Income	610,000	687,500	77,500	13%
<b>Total Water Pollution Control Operating Revenues</b>	<b>26,112,368</b>	<b>27,384,749</b>	<b>1,272,381</b>	<b>5%</b>
<b>WPC Operation &amp; Maintenance Expenses</b>				
Westlake Operations	63,354	66,785	3,431	5%
Metering & Lift Stations	165,606	174,404	8,798	5%
Collection System Metering	265,000	265,000	0	0%
Inflow & Infiltration Control	1,435,797	1,348,834	(86,963)	-6%
Water Pollution Control Operations	4,257,597	4,403,459	145,862	3%
Water Pollution Control Biosolids Handling	1,867,320	1,904,666	37,346	2%
Water Pollution Control - Maintenance	1,732,284	1,773,426	41,142	2%
Pretreatment	173,633	169,779	(3,854)	-2%
Contract Operations	54,839	60,266	5,427	10%
Water Pollution Control Administration	782,150	751,316	(30,834)	-4%
WPC Distribution Service	3,040,018	3,001,907	(38,112)	-1%
Internal Services	3,078,315	3,154,422	76,107	2%
Depreciation Expense	7,200,000	7,519,435	319,435	4%
<b>Total WPC Operating &amp; Maintenance Expenses</b>	<b>24,115,913</b>	<b>24,593,698</b>	<b>477,785</b>	<b>2%</b>
<b>Income from Operations</b>	<b>1,996,455</b>	<b>2,791,051</b>	<b>794,596</b>	<b>40%</b>
<b>Non - Operating Revenues</b>				
Investment Income	140,000	110,000	(30,000)	-21%
Office Building Income	175,200	125,000	(50,200)	-29%
Availability Fees	692,500	550,000	(142,500)	-21%
Plant Capital from Local Jurisdictions	357,600	357,600	0	0%
Contributed Capital - Localities	202,000	0	(202,000)	-100%
Contributed Capital - Dedicated Facilities	700,000	750,000	50,000	7%
Subtotal Non - Operating Revenues	2,267,300	1,892,600	(374,700)	-17%
<b>Non - Operating Expenses</b>				
Office Building Maintenance Expenses	(120,000)	(135,650)	(15,650)	13%
Interest Expense on Bonds	(2,668,530)	(2,396,171)	272,359	-10%
Subtotal Non - Operating Expenses	(2,788,530)	(2,531,821)	256,709	-9%
<b>Total Non - Operating Revenues &amp; Expenses</b>	<b>(521,230)</b>	<b>(639,221)</b>	<b>(117,991)</b>	<b>23%</b>
<b>Net Income (Loss)</b>	<b>1,475,225</b>	<b>2,151,830</b>	<b>676,605</b>	<b>46%</b>
Principal Payment on Long-Term Debt	3,490,042	3,994,217	504,175	14%
<b>Funds Available for Capital Projects</b>	<b>4,485,183</b>	<b>4,927,048</b>	<b>441,865</b>	<b>10%</b>
Total Income	28,379,668	29,277,349	897,681	3%

Western Virginia Water Authority  
Water System Capital Improvement Program  
FY 2011 Capital Budget  
Subfund 130

Line #	Project	Project Cost	Spending by Year					
			2011	2012	2013	2014	2015	
1	Arlington Hills Area Waterline Replacements	120,000	120,000					
2	Glen Heather Farms Area Waterline Replacements	1,250,000	250,000	250,000	250,000	250,000	250,000	
3	Ingal Boulevard Waterline Replacements (Glenvar)	300,000	300,000					
4	Norwood Street Area Waterline Replacements	575,000		575,000				
5	Raleigh Court Area Waterline Replacements	525,000		100,000	425,000			
6	Taylor Avenue Waterline Replacements (WPCP Siphon)	121,000		121,000				
7	Buck Mountain Road (4000 Block) Interconnection	80,000		80,000				
8	Curtis Avenue Waterlines	75,000		75,000				
9	Old Southwest Area Waterline Replacements	350,000			350,000			
10	Lester, Whittle & Wingfield Waterlines	135,000			135,000			
11	Shenandoah Valley Avenue Waterline Replacements-Phase 2	110,000			110,000			
12	15th Street SW & Jackson Avenue Waterlines	295,000				295,000		
13	Willow Road & Linwood Road (3000-3100 Block) Waterlines	290,000				290,000		
14	Ward St (900 Block) & Willis St (5100 Block) Connections	140,000				140,000		
15	Rosalind Avenue (23rd-27th St) Waterline	140,000				140,000		
16	Bennington & Riverland VDOT Betterment Contribution	100,000				100,000		
17	Hanover Avenue NW Waterlines	95,000				95,000		
18	Sunnybrook Area Waterlines	989,000						989,000
19	Amberway Circle Area Improvements	650,000						650,000
20	Extension Projects-Distribution System	250,000	50,000	50,000	50,000	50,000	50,000	50,000
21	Meter Replacements	1,400,000	300,000	275,000	275,000	275,000	275,000	275,000
22	Generators	125,000	25,000	25,000	25,000	25,000	25,000	25,000
23	Future System Improvements (Distribution)	200,000		50,000	50,000	50,000	50,000	50,000
24	Storage Tank Improvements	325,000	125,000	50,000	50,000	50,000	50,000	50,000
25	Carroll Ave Water Tank	235,000		235,000				
26	Future Water Tank Construction	200,000				100,000	100,000	
27	Filter Rehabilitation	200,000		50,000	50,000	50,000	50,000	50,000
28	Spring Hollow Reservoir Dam Improvements	400,000	400,000					
29	Spring Hollow GAC Replacement	100,000	50,000	50,000				
30	Carvins Cove Dam Inspection & Inundation Map	125,000	125,000					
31	Carvins Cove Chlorine Dioxide System Upgrade	100,000		25,000	25,000	25,000	25,000	25,000
32	Carvins Cove Roof Replacements	70,000	20,000	50,000				
33	Carvins Cove Pavement Resurfacing	35,000			35,000			
34	Carvins Cove Airwash System (Design)	150,000				150,000		
35	Reservoir Improvements	400,000		100,000	100,000	100,000	100,000	100,000
36	Future Water Treatment Projects	400,000		100,000	100,000	100,000	100,000	100,000
37	Jurisdictional Transportation Projects	500,000	100,000	100,000	100,000	100,000	100,000	100,000
38	Renovations to Coulter Building	110,000	10,000	25,000	25,000	25,000	25,000	25,000
39	Easement Acquisition	2,500	2,500					
40	Capitalized Labor	3,789,592	734,512	752,874	771,695	755,808	774,703	
	<b>Total Cash Funded Capital Projects</b>	<b>\$15,457,092</b>	<b>\$2,612,012</b>	<b>\$3,138,874</b>	<b>\$2,926,695</b>	<b>\$3,165,808</b>	<b>\$3,613,703</b>	
41	Main Street Bridge Waterline Replacement	125,000	125,000					
42	Salem Main St VDOT Betterment Contribution	105,000	105,000					
	<b>Total Reserve Funded Capital Projects</b>	<b>\$230,000</b>	<b>\$230,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
43	Salem Turnpike Waterline Replacement (12" CI WL)	590,000	590,000					
44	Shenandoah Avenue Waterline Replacement (12" CI WL)	1,500,000		1,500,000				
45	Westside Boulevard Waterline Replacement (12" CI WL)	520,000			520,000			
46	Persinger Road SW Waterline Replacement (12" CI WL)	320,000			320,000			
47	Avon Road Waterline Replacement (12" CI WL)	260,000			260,000			
48	Garden City Boulevard Waterline Replacement (12" CI WL)	250,000			250,000			
49	Pennsylvania Ave & Old Virginia St Waterline Replacements	400,000				400,000		
50	Syracuse Avenue NW Waterlines	335,000				335,000		
51	New York Avenue Area Waterline Replacements	260,000				260,000		
52	23rd Street & Melrose Avenue NW Waterlines	150,000				150,000		
53	Williamson Road (2800 Block) Waterline Replacements	150,000				150,000		
54	Rutrough Road Waterline Extension	1,200,000						1,200,000
55	Carvins Cove Airwash System (Construction)	1,000,000						1,000,000
	<b>Total Bond Funded Capital Projects</b>	<b>\$6,935,000</b>	<b>\$590,000</b>	<b>\$1,500,000</b>	<b>\$1,350,000</b>	<b>\$1,295,000</b>	<b>\$2,200,000</b>	
	<b>Total Capital Projects Funded</b>	<b>\$22,622,092</b>	<b>\$3,432,012</b>	<b>\$4,638,874</b>	<b>\$4,276,695</b>	<b>\$4,460,808</b>	<b>\$5,813,703</b>	

Western Virginia Water Authority  
Wastewater Collection System Capital Improvement  
FY 2011 Capital Budget  
SUBFUND 230

Line #	Project	Project Cost	Spending by Year					
			2011	2012	2013	2014	2015	
1	Dunbar Street Sewer Replacement	508,000	508,000					
2	Aberdeen Avenue Sewer Replacement	143,000		143,000				
3	Stratford Place Alley Sewer Replacement	108,000	108,000					
4	Deep Sewer Point Repairs FY11	60,000	60,000					
5	Salem Main St VDOT Betterment Contribution	54,000	54,000					
6	Roanoke River Siphons Replacement	1,500,000			200,000	1,300,000		
7	High Acres Road Sewer Replacements	300,000			300,000			
8	Hastings Road Easement Sewer Replacements	175,000			175,000			
9	501 Bullitt Avenue Sewer Extension	30,000			30,000			
10	Allison Avenue Sewer Rehabilitation	14,000			14,000			
11	Woods Avenue Sewer Rehabilitation	14,000			14,000			
12	Highland Avenue Sewer Rehabilitation	13,000			13,000			
13	Peters Creek Interceptor Replacements-Phase 3	1,750,000						1,750,000
14	Bennington & Riverland VDOT Betterment Contribution	100,000				100,000		
15	Morehead Street Sewer Rehabilitation	13,000				13,000		
16	Morrill Avenue Sewer Rehabilitation	13,000				13,000		
17	Orchard Road Sewer Extension	150,000						150,000
18	Williamson Road/Hollyhock Road Sewer Realignments	75,000						75,000
19	10th Street Sewer Rehabilitation	44,000						44,000
20	17th Street Sewer Rehabilitation	10,000						10,000
21	Deyerle Road Sewer Rehabilitation	9,000						9,000
22	Gilmer Avenue Sewer Rehabilitation	8,000						8,000
23	Extension Projects-Collection System	1,000,000	100,000	150,000	200,000	250,000	300,000	
24	Storm Drain Inflow Abatement Projects	350,000	25,000	50,000	75,000	100,000	100,000	
25	Systemwide Manhole Rehabilitation (CAP)	750,000	150,000	150,000	150,000	150,000	150,000	
26	Miscellaneous Paving / Manhole Adjustment	1,150,000	300,000	250,000	200,000	200,000	200,000	
27	Sewer Service Replacements	500,000	100,000	100,000	100,000	100,000	100,000	
28	Lift Station Rehabilitation	950,000	100,000	150,000	200,000	250,000	250,000	
29	Miscellaneous A&E Requests	120,000	20,000	25,000	25,000	25,000	25,000	
30	Future System Improvements (Collection)	1,000,000		100,000	200,000	300,000	400,000	
31	Jurisdictional Transportation Projects	500,000	100,000	100,000	100,000	100,000	100,000	
32	Renovations to Coulter Building	110,000	10,000	25,000	25,000	25,000	25,000	
33	2703 Peters Creek Road Sewer Replacement	73,000	73,000					
34	Meter Replacements	1,350,000	250,000	275,000	275,000	275,000	275,000	
35	Easement Acquisition	2,500	2,500					
36	Capitalized Labor	3,093,116	588,456	603,167	618,246	633,702	649,545	
<b>Total Cash Funded Capital Projects</b>		<b>\$16,039,616</b>	<b>\$2,548,956</b>	<b>\$2,121,167</b>	<b>\$2,914,246</b>	<b>\$3,834,702</b>	<b>\$4,620,545</b>	
37	1021 Orange Avenue Sewer Replacement	200,000	200,000					
38	Mill Mountain Sewer Improvements	100,000	100,000					
39	Riverside Boulevard Sewer Project (MH 20B-3212.0 - 3226.0)	550,000		550,000				
40	Morrill Avenue Sewer Replacement (Under Railroad)	100,000		100,000				
41	Williamson Road (2700) Sewer Replacement	245,000		245,000				
42	Williamson Road (4317) To Yardley Sewer	165,000		165,000				
43	Renovations to Coulter Building	250,000	250,000					
44	Field Operations Building Roof Replacement	100,000	100,000					
<b>Total Reserve Funded Capital Projects</b>		<b>\$1,710,000</b>	<b>\$650,000</b>	<b>\$1,060,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
45	Harvest Lane Area Sewer Improvements	500,000	500,000					
46	Tinker Creek Interceptor - Conveyance	3,375,000	3,375,000					
47	Old Roanoke River Interceptor Improvements - Phase 2	1,500,000	1,500,000					
48	Tinker Creek Interceptor - I&I	1,000,000	1,000,000					
49	Lower Murray Run Interceptor Replacement - Phase 2	250,000	250,000					
50	Malvern Hills Sewer Rehabilitation	625,000	625,000					
51	Mount Vernon Heights/Castle Hills Sewer Rehabilitation	500,000	500,000					
52	Hyde Park Drive (Cresthill Area) Sewer Rehabilitation	250,000	250,000					
53	Creek Crossing Manhole Rehabilitation - Phase 1	192,000	192,000					
54	Orlando Avenue (Vista Area) Sewer Rehabilitation	175,000	175,000					
55	Plantation Circle Sewer Rehabilitation	155,000	155,000					
56	Lockridge Road Sewer Rehabilitation - Phase 2	150,000	150,000					
57	Barnhardt Creek Area Sewer Rehabilitation	94,000	94,000					
58	Colonial Avenue Sewer Rehabilitation (MH 08A-3020.0 - 3022.0)	50,000	50,000					
59	Murdock Creek Sewer Improvements	900,000	900,000					
60	Albemarle Avenue Sewer Replacement	550,000	550,000					
61	Tinker Creek Siphon at Columbia Avenue Replacement	115,000	115,000					
62	Brandon Avenue (2500 Block) Sewer Replacement	90,000	90,000					
63	Kerns Avenue Sewer Replacement (Interceptor Connection)	75,000	75,000					
64	15th Street Sewer Replacement (Interceptor Connection)	75,000	75,000					
65	Barnhardt Creek Sewer Improvements - Phase 1	500,000	500,000					
66	Peters Creek Interceptor Improvements	500,000	500,000					
67	Mill Mountain Sewer Improvements	400,000	400,000					
68	Campbell Avenue (800 Block) Sewer Replacement	297,000	297,000					
69	Berkley Avenue Sewer Replacement	163,000	163,000					
70	Norfolk Avenue (800 Block) Sewer Replacement	150,000	150,000					
71	Norfolk Avenue (600 Block) Sewer Replacement	116,000	116,000					
72	SOC Sewer Replacement Projects	6,000,000		1,500,000	1,500,000	1,500,000	1,500,000	
73	SOC Sewer Rehabilitation Projects	2,000,000		500,000	500,000	500,000	500,000	
74	Taylor Avenue Siphon Replacement (WPCP)	600,000			600,000			
75	Williamson Road Sewer Relocation (Oakland)	600,000			600,000			
76	Roanoke River Interceptors Connection (WPCP)	275,000			275,000			
77	Taylor Avenue Sewer Replacement	246,000			246,000			
78	Lombardy Avenue Sewer Replacement	210,000			210,000			
79	Denniston Avenue Sewer Rehabilitation	92,000			92,000			
80	Belford Street (4000 Block) Sewer Rehabilitation	58,000			58,000			
81	Lick Run Aerial Crossing (MH 12A-3331.0 - 0054.0)	50,000				50,000		
82	Penmar Avenue Sewer Relocation	50,000				50,000		
83	McVitty Road Sewer Rehabilitation	10,000				10,000		
<b>Total Bond Funded Capital Projects</b>		<b>\$22,938,000</b>	<b>\$12,747,000</b>	<b>\$2,000,000</b>	<b>\$4,191,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	
<b>Total Capital Projects Funded</b>		<b>\$40,687,616</b>	<b>\$15,945,956</b>	<b>\$5,181,167</b>	<b>\$7,105,246</b>	<b>\$5,834,702</b>	<b>\$6,620,545</b>	

Western Virginia Water Authority  
Wastewater Plant Capital Improvement  
FY 2011 Capital Budget  
SUBFUND 240

Line #	Project	Project Cost *	2011	2012	2013	2014	2015
1	Replacement of Aeration Grids	280,000	140,000		70,000	70,000	
2	Unanticipated Major Breakdown Repairs	950,000	200,000	200,000	150,000	200,000	200,000
3	Remaining Flood Protection	1,060,000	560,000	500,000			
4	Single Point of Electrical Service- Substation Design	100,000	100,000				
5	Cooling Water System Improvements	75,000	75,000				
6	Aeration System Improvements	100,000	100,000				
7	Substation Construction	1,000,000			500,000	500,000	
8	Roof Replacement DAF	100,000			100,000		
9	Existing Sluice / Stop Gate Rehab and Replacement	250,000			150,000	100,000	
10	Roof Replacement Blower Building	450,000			200,000	250,000	
11	Biosolids Enhancements	750,000				400,000	350,000
12	Plant / Filter Building Valve Replacements	500,000					500,000
13	Grease Handling Improvements	500,000		500,000			
	<b>Total Cash Funded Capital Projects</b>	<b>\$6,115,000</b>	<b>\$1,175,000</b>	<b>\$1,200,000</b>	<b>\$1,170,000</b>	<b>\$1,520,000</b>	<b>\$1,050,000</b>
14	Septage Receiving Station Improvements	375,000		375,000			
	<b>Total Reserve Funded Capital Projects</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
15	Design	950,000	950,000				
16	Replacement of Dystor Domes	880,000	880,000				
17	Drive Unit / DAF Improvements	412,500	412,500				
18	Additional CL2 Contact Capacity	3,460,000	3,460,000				
19	Digester Improvements	4,900,000	4,900,000				
20	BAF Optimization	2,000,000	2,000,000				
	<b>Total Bond Funded Capital Projects</b>	<b>\$12,602,500</b>	<b>\$12,602,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	<b>Total Capital Projects Funded</b>	<b>\$19,092,500</b>	<b>\$13,777,500</b>	<b>\$1,575,000</b>	<b>\$1,170,000</b>	<b>\$1,520,000</b>	<b>\$1,050,000</b>

Notes: a) Annual Funding of \$1.2M Available from Contributions by All Participating Jurisdictions. Authority Share is 70.1% or \$842,000 annually

**WESTERN VIRGINIA WATER AUTHORITY  
SCHEDULE OF CURRENT & PROPOSED MONTHLY WATER RATES  
ROANOKE CITY & COUNTY CUSTOMERS**

January 2010 Current (1)	January 2011 Approved (2)	January 2012 Projected (3)	January 2013 Projected (3)	January 2014 Projected (3)	January 2015 Projected (3)
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**Volume Charge:**

All Customer Types - Per 1,000 Gallons

First Tier	\$3.00	\$3.00	\$3.00	\$3.05	\$3.05	\$3.11
Second Tier Rate (4)	\$3.50	\$3.50	\$3.60	\$3.70	\$3.81	\$3.92

Irrigation	\$3.50	\$3.50	\$3.60	\$3.70	\$3.81	\$3.92
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**Base Charge:**

Monthly Charge per Unit Charge per meter size:	Number Of ERU's (5) Per Unit						
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5/8" Meter	1.00	\$6.25	\$7.75	\$8.65	\$9.60	\$10.35	\$11.35
3/4" Meter	1.50	\$9.38	\$11.63	\$12.98	\$14.40	\$15.53	\$17.03
1" Meter	2.50	\$15.63	\$19.38	\$21.63	\$24.00	\$25.88	\$28.38
1 1/2" Meter	5.00	\$31.25	\$38.75	\$43.25	\$48.00	\$51.75	\$56.75
2" Meter	8.00	\$50.00	\$62.00	\$69.20	\$76.80	\$82.80	\$90.80
3" Meter	15.00	\$93.75	\$116.25	\$129.75	\$144.00	\$155.25	\$170.25
4" Meter	30.00	\$187.50	\$232.50	\$259.50	\$288.00	\$310.50	\$340.50
6" Meter	60.00	\$375.00	\$465.00	\$519.00	\$576.00	\$621.00	\$681.00
8" Meter	90.00	\$562.50	\$697.50	\$778.50	\$864.00	\$931.50	\$1,021.50
10" Meter	150.00	\$937.50	\$1,162.50	\$1,297.50	\$1,440.00	\$1,552.50	\$1,702.50
12" Meter	200.00	\$1,250.00	\$1,550.00	\$1,730.00	\$1,920.00	\$2,070.00	\$2,270.00

(1) Rates Effective January 1, 2010

(2) Rates Effective January 1, 2011

(3) Projected Rate Plan

(4) Second Tier Rates effective after gallons:

Residential 10,000

Commercial 75,000

Industrial 375,000

(5) ERU is Equivalent Residential Unit

**WESTERN VIRGINIA WATER AUTHORITY  
SCHEDULE OF CURRENT & PROPOSED MONTHLY SEWER RATES  
ROANOKE CITY & COUNTY CUSTOMERS**

January 2010 Current (1)	January 2011 Approved (2)	January 2012 Projected (3)	January 2013 Projected (3)	January 2014 Projected (3)	January 2015 Projected (3)
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**Volume Charge:**

All Customer Types - Per 1,000 Gallons	\$3.50	\$3.50	\$3.70	\$3.86	\$4.19	\$4.39
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**Base Charge:**

Monthly Charge per Unit Charge per meter size:	Number Of ERU's (4) Per Unit	January 2010	January 2011	January 2012	January 2013	January 2014	January 2015
5/8" Meter	1.00	\$9.25	\$11.20	\$12.75	\$14.80	\$16.00	\$18.50
3/4" Meter	1.50	\$13.88	\$16.80	\$19.13	\$22.20	\$24.00	\$27.75
1" Meter	2.50	\$23.13	\$28.00	\$31.88	\$37.00	\$40.00	\$46.25
1 1/2" Meter	5.00	\$46.25	\$56.00	\$63.75	\$74.00	\$80.00	\$92.50
2" Meter	8.00	\$74.00	\$89.60	\$102.00	\$118.40	\$128.00	\$148.00
3" Meter	15.00	\$138.75	\$168.00	\$191.25	\$222.00	\$240.00	\$277.50
4" Meter	30.00	\$277.50	\$336.00	\$382.50	\$444.00	\$480.00	\$555.00
6" Meter	60.00	\$555.00	\$672.00	\$765.00	\$888.00	\$960.00	\$1,110.00
8" Meter	90.00	\$832.50	\$1,008.00	\$1,147.50	\$1,332.00	\$1,440.00	\$1,665.00
10" Meter	150.00	\$1,387.50	\$1,680.00	\$1,912.50	\$2,220.00	\$2,400.00	\$2,775.00
12" Meter	200.00	\$1,850.00	\$2,240.00	\$2,550.00	\$2,960.00	\$3,200.00	\$3,700.00

**Flat Rate Sewer Charges:**

Residential	6,000 gallons	\$30.25	\$32.20
Commercial	30,000 gallons	\$114.25	\$116.20

- (1) Rates Effective January 1, 2010
- (2) Rates Effective January 1, 2011
- (3) Projected Rate Plan
- (4) ERU is Equivalent Residential Unit

**WESTERN VIRGINIA WATER AUTHORITY  
SCHEDULE OF CURRENT & PROJECTED MONTHLY FIRE SERVICE RATES  
ROANOKE CITY & COUNTY CUSTOMERS**

January 2010 Current (1)	January 2011 Approved (2)	January 2012 Projected (3)	January 2013 Projected (3)	January 2014 Projected (3)	January 2015 Projected (3)
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**Base Monthly Charge** \_\_\_\_\_

Less than 4" Meter	\$35.00	\$35.00	\$36.00	\$36.00	\$36.30	\$36.30
4" Meter	\$71.25	\$71.25	\$72.00	\$72.00	\$72.60	\$72.60
6" Meter	\$142.50	\$142.50	\$144.00	\$144.00	\$145.20	\$145.20
8" Meter	\$213.75	\$213.75	\$216.00	\$216.00	\$217.80	\$217.80
10" Meter	\$356.25	\$356.25	\$360.00	\$360.00	\$363.00	\$363.00
12" Meter	\$475.00	\$475.00	\$480.00	\$480.00	\$484.00	\$484.00

The Western Virginia Water Authority reserves the right to charge for excessive fire service water consumption at commercial water rates.

- (1) Rates Effective January 1, 2010
- (2) No Rate Change
- (3) Projected Rate Plan

**WESTERN VIRGINIA WATER AUTHORITY  
SCHEDULE OF CURRENT & PROPOSED  
AVAILABILITY AND CONNECTION FEES**

	January 2010 Current (1)	January 2011 Approved (2)	January 2012 Projected (3)	January 2013 Projected (3)	January 2014 Projected (3)	January 2015 Projected (3)
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**Water Availability Fee:**

	Number Of ERU's (4) Per Unit	January 2010 Current (1)	January 2011 Approved (2)	January 2012 Projected (3)	January 2013 Projected (3)	January 2014 Projected (3)	January 2015 Projected (3)
5/8" Meter	1.00	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
3/4" Meter	1.50	\$3,750	\$3,750	\$3,750	\$3,750	\$3,750	\$3,750
1" Meter	2.50	\$6,250	\$6,250	\$6,250	\$6,250	\$6,250	\$6,250
1 1/2" Meter	5.00	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500
2" Meter	8.00	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
3" Meter	15.00	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500
4" Meter	30.00	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000
6" Meter	60.00	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
8" Meter	90.00	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000
10" Meter	150.00	\$375,000	\$375,000	\$375,000	\$375,000	\$375,000	\$375,000
12" Meter	200.00	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000

**Water Connection Charge**

Charge per meter size:

	1.00	1.50	2.50	5.00	Actual Cost	Actual Cost	Actual Cost	Actual Cost
5/8" Meter	1.00	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
3/4" Meter	1.50	\$2,020	\$2,020	\$2,020	\$2,020	\$2,020	\$2,020	\$2,020
1" Meter	2.50	\$2,130	\$2,130	\$2,130	\$2,130	\$2,130	\$2,130	\$2,130
1 1/2" Meter and above	5.00	Actual Cost	Actual Cost	Actual Cost	Actual Cost	Actual Cost	Actual Cost	Actual Cost

**Sewer Availability Fee**

	Number Of ERU's (4) Per Unit	January 2010 Current (1)	January 2011 Approved (2)	January 2012 Projected (3)	January 2013 Projected (3)	January 2014 Projected (3)	January 2015 Projected (3)
5/8" Meter	1.00	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500	\$2,500
3/4" Meter	1.50	\$3,750	\$3,750	\$3,750	\$3,750	\$3,750	\$3,750
1" Meter	2.50	\$6,250	\$6,250	\$6,250	\$6,250	\$6,250	\$6,250
1 1/2" Meter	5.00	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500
2" Meter	8.00	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
3" Meter	15.00	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500
4" Meter	30.00	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000
6" Meter	60.00	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
8" Meter	90.00	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000
10" Meter	150.00	\$375,000	\$375,000	\$375,000	\$375,000	\$375,000	\$375,000
12" Meter	200.00	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000

**Sewer Connection Charge**

Charge per meter size:

	1.00	1.50	Actual Cost	Actual Cost	Actual Cost	Actual Cost	Actual Cost
5/8" Meter	1.00	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
3/4" Meter and above	1.50	Actual Cost	Actual Cost	Actual Cost	Actual Cost	Actual Cost	Actual Cost

(1) Rates Effective January 1, 2010

(2) No Rate Change

(3) Projected Rate Plan

(4) ERU is Equivalent Residential Unit

**WESTERN VIRGINIA WATER AUTHORITY  
SCHEDULE OF MONTHLY WATER RATES  
COUNTY OF FRANKLIN  
WATERFRONT, WATERS EDGE, BOARDWALK, WINDMERE POINT & CONTENTMENT ISLAND**

January <b>2010</b> Current (1)	January <b>2011</b> Approved (2)	January <b>2012</b> Projected (3)	January <b>2013</b> Projected (3)	January <b>2014</b> Projected (3)	January <b>2015</b> Projected (3)
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**Volume Charge:**

All Customer Types - Per 1,000 Gallons

Volume Rate - For Usage above Minimum	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00
Irrigation	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00

**Monthly Minimum Charge:**

Monthly Charge per Unit Charge per meter size:	Includes Minimum Usage of	Number Of ERU's (4) Per Unit	2010	2011	2012	2013	2014	2015
5/8" Meter - Undeveloped lot	2,000	1.00		\$16.00	\$16.00	\$16.00	\$16.00	\$16.00
5/8" Meter	4,000	1.00	\$30.00	\$32.00	\$32.00	\$32.00	\$32.00	\$32.00
3/4" Meter	4,000	1.50	\$30.00	\$32.00	\$32.00	\$32.00	\$32.00	\$32.00
1" Meter	10,000	2.50	\$75.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00
1 1/2" Meter	20,000	5.00	\$150.00	\$160.00	\$160.00	\$160.00	\$160.00	\$160.00
2" Meter	32,000	8.00	\$240.00	\$256.00	\$256.00	\$256.00	\$256.00	\$256.00
3" Meter	64,000	15.00	\$480.00	\$512.00	\$480.00	\$480.00	\$480.00	\$480.00
4" Meter	100,000	30.00	\$750.00	\$800.00	\$960.00	\$960.00	\$960.00	\$960.00
6" Meter	200,000	60.00	\$1,500.00	\$1,600.00	\$1,920.00	\$1,920.00	\$1,920.00	\$1,920.00
8" Meter	300,000	90.00	\$2,250.00	\$2,400.00	\$2,880.00	\$2,880.00	\$2,880.00	\$2,880.00
10" Meter	500,000	150.00	\$3,750.75	\$4,000.00	\$4,800.00	\$4,800.00	\$4,800.00	\$4,800.00
12" Meter	665,000	200.00	\$4,998.75	\$5,360.00	\$6,400.00	\$6,400.00	\$6,400.00	\$6,400.00

**COUNTY OF FRANKLIN  
WESTLAKE**

**Volume Charge:**

All Customer Types - Per 1,000 Gallons

Volume Rate - For Usage above Minimum	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00
Irrigation	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00	\$8.00

**Monthly Minimum Charge:**

Monthly Charge per Unit Charge per meter size:	Includes Minimum Usage of	Number Of ERU's (4) Per Unit	2010	2011	2012	2013	2014	2015
5/8" Meter	4,000	1.00	\$32.00	\$32.00	\$32.00	\$32.00	\$32.00	\$32.00
3/4" Meter	4,000	1.50	\$32.00	\$32.00	\$32.00	\$32.00	\$32.00	\$32.00
1" Meter	10,000	2.50	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00
1 1/2" Meter	20,000	5.00	\$160.00	\$160.00	\$160.00	\$160.00	\$160.00	\$160.00
2" Meter	32,000	8.00	\$256.00	\$256.00	\$256.00	\$256.00	\$256.00	\$256.00
3" Meter	64,000	15.00	\$512.00	\$512.00	\$480.00	\$480.00	\$480.00	\$480.00
4" Meter	100,000	30.00	\$800.00	\$800.00	\$960.00	\$960.00	\$960.00	\$960.00
6" Meter	200,000	60.00	\$1,600.00	\$1,600.00	\$1,920.00	\$1,920.00	\$1,920.00	\$1,920.00
8" Meter	300,000	90.00	\$2,400.00	\$2,400.00	\$2,880.00	\$2,880.00	\$2,880.00	\$2,880.00
10" Meter	500,000	150.00	\$4,000.00	\$4,000.00	\$4,800.00	\$4,800.00	\$4,800.00	\$4,800.00
12" Meter	665,000	200.00	\$5,360.00	\$5,360.00	\$6,400.00	\$6,400.00	\$6,400.00	\$6,400.00

- (1) Rates Effective January 1 for 2010
- (2) Rates Effective January 1 for 2011
- (3) Projected Rate Plan
- (4) ERU is Equivalent Residential Unit

**WESTERN VIRGINIA WATER AUTHORITY  
SCHEDULE OF MONTHLY SEWER RATES  
COUNTY OF FRANKLIN  
THE WESTLAKE OVERLAY DISTRICT**

January 2010 Current (1)	January 2011 Approved (2)	January 2012 Projected (3)	January 2013 Projected (3)	January 2014 Projected (3)	January 2015 Projected (3)
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**Volume Charge:** \_\_\_\_\_

All Customer Types - Per 1,000 Gallons	\$7.25	\$7.60	\$8.35	\$8.70	\$9.25	\$9.25
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**Monthly Minimum Charge:** \_\_\_\_\_

Monthly Charge per Unit Charge per meter size:	Number Of ERU's (4) Per Unit	\$9.00	\$11.00	\$11.00	\$13.00	\$14.00	\$15.00
5/8" Meter	1.00						
3/4" Meter	1.50	\$11.25	\$13.75	\$13.75	\$16.25	\$17.50	\$18.75
1" Meter	2.50	\$28.15	\$34.40	\$34.40	\$40.63	\$43.75	\$46.88
1 1/2" Meter	5.00	\$56.25	\$68.75	\$68.75	\$81.25	\$87.50	\$93.75
2" Meter	8.00	\$90.00	\$110.00	\$110.00	\$130.00	\$140.00	\$150.00
3" Meter	15.00	\$168.75	\$206.25	\$206.25	\$243.75	\$262.50	\$281.25
4" Meter	30.00	\$337.50	\$412.50	\$412.50	\$487.50	\$525.00	\$562.50
6" Meter	60.00	\$675.00	\$825.00	\$825.00	\$975.00	\$1,050.00	\$1,125.00
8" Meter	90.00	\$1,012.50	\$1,237.50	\$1,237.50	\$1,462.50	\$1,575.00	\$1,687.50
10" Meter	150.00	\$1,687.50	\$2,062.50	\$2,062.50	\$2,437.50	\$2,625.00	\$2,812.50
12" Meter	200.00	\$2,250.00	\$2,750.00	\$2,750.00	\$3,250.00	\$3,500.00	\$3,750.00

- (1) Rates Effective January 1, 2010
- (2) Rates Effective January 1, 2011
- (3) Projected Rate Plan
- (4) ERU is Equivalent Residential Unit



## Appendix B Western Virginia Water Authority Board of Directors

### Our Mission Is Clear

The Western Virginia Water Authority has a seven-member governing board. Roanoke County and City of Roanoke governing bodies each select three board members while Franklin County selects one board member.

Serving four-year terms are county resident H. Odell "Fuzzy" Minnix, who is Authority Board Chair, city resident Marc S. Fink who the Vice-Chairman, city resident John P. Bradshaw, Jr., Vinton resident Donald L. Davis, county resident R. Grayson "Gray" Goldsmith and city resident Robert Lawson. The seventh position is represented by Mrs. Shirley Holland, a resident of Franklin County. Serving as treasurer is Authority Director of Finance and Administration Mr. Bruce Grant and serving as secretary is Authority Executive Assistant Ms. Jean Thurman.

#### **Mr. H. Odell "Fuzzy" Minnix**



Authority Board Chair Mr. Minnix is a Roanoke County resident. Mr. Minnix served on the Roanoke County Board of Supervisors from 1992 through the first half of 2004.

Born in Roanoke County, Mr. Minnix is an Andrew Lewis High School graduate. He served four years in the U.S. Air Force as a Control Tower Operator. A graduate of the FAA Air Traffic Control Academy in Oklahoma City, Oklahoma, Mr. Minnix is also a graduate of the FAA Management School at Cameron University in Lawton, Oklahoma.

Mr. Minnix is a member of the Roanoke County School Board representing the Cave Spring Magisterial District. He was elected to this position in 2008 to serve until 2012.

Mr. Minnix is a recipient of the Roanoke Valley Big Brother of the Year Award, the Roanoke Federal Employee of the Year Award and FAA Education Facilitator of the Year Award for the Eastern Region. Mr. Minnix has also received five outstanding ratings in the FAA. A local radio station, WROV, chose Mr. Minnix as a WROV Outstanding Performer Award recipient.

Mr. Minnix has been a member of the Roanoke Valley Economic Development Partnership Board, liaison to the Virginia Association of Counties and a member of the Urban Partnership board. He also serves on the Bio-Ethics Committee at Lewis-Gale Hospital, the Blue Ridge Zoological Society of Virginia and the Roanoke Valley-Alleghany Regional Commission Metropolitan Planning Organization.

Mr. Minnix is a member of Ghent Grace Brethren Church where he is a past moderator and Sunday school superintendent. An avid supporter of youth and sports, Mr. Minnix has served as head football coach at Hidden Valley Junior High, head softball coach, assistant varsity football coach and assistant varsity track coach at Cave Spring High School. Mr. Minnix is also active as a Virginia High School League football and basketball official.

Mr. Minnix is married to Janet Carol Hammers. He has two sons and a daughter-in-law and three grandchildren.

### **Mr. Donald L. Davis**



Mr. Davis has lived in Vinton since 1965. Mr. Davis served on the Vinton Town Council for fifteen years, the last four years as Mayor. He was employed in the banking industry from 1965-1997, retiring after 32 years.

Mr. Davis has served as President of the Vinton Chamber of Commerce and the Vinton Dogwood Festival and has served as Vice Chairman of the Roanoke Valley Alleghany Regional Commission. He has held Club, District, and State offices in the Lions Club. He currently serves on the board of the Vinton Needy Family Program and Habitat for Humanity.

He is a long time member of Thrasher Memorial United Methodist church in Vinton where he serves as Treasurer of the Church.

Mr. Davis has a banking degree from the University of Virginia. He and his wife have one daughter, one son, and one granddaughter.

### **Mr. Marc S. Fink**

Authority Board Vice-Chairman Marc Fink is CEO and Chairman of Fink's Jewelers, Inc. which operates fourteen stores. Nine stores are in Virginia – two in Roanoke, one in Lynchburg, one in Charlottesville, three in Richmond, one in Norfolk and one in Dulles. The other four stores are in North Carolina – two in Charlotte and three in the Raleigh – Durham area. Marc Fink is a third generation jeweler.

Mr. Fink is a graduate of the University of Alabama with a Bachelor of Science Degree in Business Administration. He studied at the Gemological Institute of America in Santa Monica, California and received the Graduate Gemologist Degree. He is a Registered Jeweler and Certified Gemologist of the American Gem Society.

Mr. Fink has served on the boards of the Rotary Club of Roanoke Valley, Council of Community Services, The American Heart Association, YMCA, Roanoke Chamber of Commerce, Temple Emanuel and the Better Business Bureau. He currently serves on the board of HomeTown Bank and is a member of the Young Presidents' Organization.

In the jewelry industry, he has served on the boards of the Jewelry Information Center, Jewelers of America and Jewelers Vigilance Committee. He is currently serving on the board of Couture Diamond Leadership Conference Advisory Council. His most recent industry accomplishment is winning the National Jeweler's Retailer Hall of Fame award.

### **Mr. R. Grayson "Gray" Goldsmith**



Mr. Goldsmith was born and raised in the Roanoke Valley and has been a resident of Roanoke County since 1978. He started his career in Roanoke with the old First National Exchange Bank (predecessor to Wachovia Bank) in 1976, and served there in a multitude of roles and responsibilities until 1998. He then joined SunTrust Bank as a Senior Vice President in the Commercial Banking Group with management responsibility for commercial sales activities in the Roanoke, New River Valley and Southside markets. In 2007, Mr. Goldsmith joined Valley Bank and assumed his present position as Business Banking Group Manager.

Mr. Goldsmith has taken an active interest in community endeavors over the years. He is a life long member of St. John's Episcopal Church in Roanoke and has served on numerous civic and professional organizations. He currently serves on the corporate boards of YMCA of Roanoke Valley and Junior Achievement of Southwest Virginia. He became a board member of the Western Virginia Water Authority in December 2007.

Mr. Goldsmith is a graduate of Hampden-Sydney College with a Bachelor Degree in Psychology. He and his wife Eva have two daughters and one son.

### **Mr. Robert C. Lawson, Jr.**



Mr. Lawson is a resident of the City of Roanoke. He joined SunTrust Bank in Lynchburg, Virginia as a vice president in the Commercial Lending Group in May 1979. In 1982, he moved to Roanoke. In 1986, he was elected president of SunTrust - Roanoke, which included management responsibility for the Radford, Virginia market. In 1997, his management duties were expanded to include responsibility for all commercial banking activities for SunTrust Bank, Western Virginia. In 2000, he assumed the role of president and chief executive officer, SunTrust Bank, Western Virginia until his retirement in 2007. Mr. Lawson is currently a principal at Longview Associates, LLC, a general management and finance consulting firm.

Mr. Lawson has an undergraduate degree from Virginia Polytechnic Institute and State University and a Masters in Business Administration from the University of Richmond.

He has served as board chairman of the United Way of Roanoke Valley, Inc., Downtown Roanoke, Inc., Roanoke Regional Chamber of Commerce and the Roanoke Region Economic Development Partnership.

He currently serves on the boards of the Roanoke Valley Development Corporation, YMCA of Roanoke Valley, Western Virginia Foundation for the Arts, Art Museum of Western Virginia, Hotel Roanoke, LLC, Virginia Tech Foundation, Roanoke Valley Economic Development Partnership and Foundation for Roanoke Valley.

In 1996, Mr. Lawson was awarded the Wiley S. Hubbard Award for Outstanding Service to United Way. In 2000, he received the John W. Hancock, Jr. Award for Outstanding Community Service. He was also awarded the Perry F. Kendig Award in 2000 for Outstanding Support of the Arts.

### **Mr. John P. Bradshaw, Jr.**



Raised in the City of Norfolk, Mr. Bradshaw became a permanent resident of the City of Roanoke in 1962 when he was transferred here as an engineer with the engineering architectural firm of Hayes Seay Mattern & Mattern. Prior to his retirement from HSMM in 1998, Mr. Bradshaw held various assignments including structural and geotechnical engineer, Structural Department Head, Project Manager, Partner and Chairman of the Board.

He received his Bachelor of Science degree in Civil Engineering from MIT and returned there after three years in the Navy to obtain a Masters Degree, specializing in geotechnical engineering. Professionally, he held engineering registrations in more than two dozen states including Virginia and California. In addition to membership in other professional societies, he is a Past President of the Virginia Chapter of ASCE where he was quite supportive of student engineers.

Mr. Bradshaw continued his interest in the Navy, retiring from the Naval Reserve as a Commander. He is a long time member of St. John's Episcopal Church, serving in various rolls including two terms on its Vestry. He also served as Past President of the Kiwanis Club of Roanoke and more recently Past Treasurer and Past President of the Historical Society of Western Virginia. In later rolls, he was instrumental in the establishment of the O. Winston Link Museum.

In 1972 he was appointed to the City of Roanoke Planning Commission and served for some 24 years, including being Chairman at various times. In the fall of 2007, Mr. Bradshaw was elected to a four year term as the City of Roanoke's representative on the Blue Ridge Soil and Water Conservation District Commission.

Married to a Roanoke Valley native, Matilda, the Bradshaws have three married daughters, two of whom currently reside in the valley, and four grandchildren.

### **Mrs. Shirley Holland**



Mrs. Holland joined the Western Virginia Water Authority in 2010 as the Franklin County representative. She, her husband and two children reside in Callaway, Virginia. Mrs. Holland is employed by Carilion Clinic as Vice President of Strategic Development, responsible for planning and marketing functions for the organization, as well as community outreach and the Carilion Foundation.

Mrs. Holland is a board member of the Roanoke Valley Convention and Visitor's Bureau, the Smith Mountain Lake Scholarship Trust Fund and the Carilion Foundation. She has served as the President of the YMCA of Franklin County board and a board member of Blue Ridge Public TV. She received her Bachelors of Arts from Bridgewater College and her Masters in Business Administration from Radford University.