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# City of Franklin, Tennessee Water Management

Amendment to the  
Operating & Capital Equipment  
*Biennial Budget*  
Fiscal Years 2012 & 2013



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# Water Management Overview

*Mark S. Hilty, Director*

The Water Management Department's vision, in support of the City's vision statement, is to continually strive to enhance quality of life through exceptional, responsive, and cost effective water resources services. These services include drinking water treatment and distribution, wastewater collection and treatment, and reclaimed water treatment and distribution for its customers located primarily in the City of Franklin.

To achieve this vision it is necessary to effectively and consistently deliver safe drinking water and efficient collection and treatment of wastewater. As the Water Management Department evolves, aggressive operations and programs have been introduced to protect sources of supply and receiving streams, investments are ongoing to replace and renew infrastructure to enhance water quality and service delivery, and treatment operations are being refined.

This biennial budget amendment was developed to further refine operations to achieve the department's vision, in support of the City of Franklin's goals and objectives. Revenues and expenditures for each division are presented in consolidated Sections as follows:

<b>Division</b>	<b>Section</b>
Water Distribution	Water
Water Treatment	Water
Wastewater Collection	Wastewater
Wastewater Treatment	Wastewater
Reclaimed Water	Reclaimed Water
Utility Billing	Water
Utility Administration	Wastewater

Water and wastewater are independent business units of the City of Franklin and are required to be self-sufficient entities. These utilities are not subsidized by local taxes, paying the General Fund monies to cover the costs of services such as payroll, human resources and other support activities. Reclaimed water, while presented as its own section, is an alternative disposal method of treated wastewater. This disposal method effectively increases the discharge capacity of the wastewater treatment plant (primarily during summer months) and provides a cost effective source of irrigation water within the reclaimed water distribution system while providing revenue to support its operation.



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# Water Section

## Water Section *Overview*

The Water Section comprises the Water Treatment and Water Distribution Divisions. In June 2012, the Tennessee Department of Environment and Conservation (TDEC) performed a Sanitary Survey of the Water Section resulting in an approved score of 97. Significant progress has been made in terms of regulatory compliance and quality assurance over the last six years and continues to remain a focus for these divisions.

The Water Treatment facility is located on Lewisburg Pike. Staff at the plant performs numerous functions including water treatment, compliance sampling, and assisting Water Distribution service crews with system maintenance and operation.

The Water Distribution service crews maintain approximately 275 miles of distribution lines, six (6) booster stations, and seven (7) finished water storage tanks. In February 2012 a two (2) million gallon tank in the Goose Creek area was brought online to serve the area as it develops. The new tank is being operated at a fraction of its overall capacity due to relatively low demands in the area. At full capacity the tank increases the overall finished water storage capacity to 11.5 million gallons.

## Water Section *Goals & Strategic Initiatives*

The primary goal for the Water Section is to continue to provide safe, reliable drinking water to customers. Operationally, the Water Section is enhancing and implementing various programs to improve customer service and regulatory compliance, and to move from a reactive to a proactive approach in operating and maintaining the system. Some of these initiatives include the following:

- **Condition and Criticality Assessments** – The department has been compiling available information to develop condition and criticality assessments of infrastructure. Possible sources of available data include geographic information system (GIS) data, as-built drawing, historic service requests and work orders, and institutional knowledge. The goal of these assessments is to help prioritize maintenance, rehabilitation and replacement and to help identify risk of failure.
- **Leak Detection Program** –With the success of the initial leak detection surveys, the department contracted with a firm to perform surveys of approximately 155 miles of distribution system. The financial plan provides for additional funding to complete surveys of the entire distribution system in FY 2013. The leak detection services in FY 2012 identified 63 leaks equating to approximately 94 million gallons of water loss annually. The leaks identified during the leak detection surveys were repaired within weeks of identification.

## Water Section

### Water Rates

The Water Management Department has been performing cost of service analyses over the past several years to ensure that the department can adequately fund the cost of operations. In October 2010, the Board of Mayor and Aldermen took measures that established a five year plan in which to achieve appropriate revenue streams by increasing projected water revenues by 4% annually (approximately \$308,000 based on the 2010 cost of service analysis) starting in January 2011.

Franklin's rate analyses and evolving rate structure has been developed using a cost of service approach per user class that includes a component for conservation through inclining rates based on monthly consumption. The structure also includes a higher rate for customers that have service outside of the city limits in recognition of the benefits to customers that do not pay city taxes.

The City is currently undergoing a cost of service analyses to gauge the impact of the five year plan established in 2010 and to determine if the plan still reflects need. The current rate structure and the cost of service values established in 2010 for the City of Franklin water customers is presented in the following table.

#### Current Water Rate Structure

<b>Water - Residential; Inside</b>	<b>Cost of Service</b>	<b>Current</b>
	<b>\$14.94</b>	
Availability Charge (plus 1,000 Gal Included)	<b>(\$10.71+\$4.23)</b>	\$10.42
Next 9,000 Gallons		\$3.72
Next 15,000 Gallons		\$4.65
All Additional		\$5.58
<b>Water - Residential; Outside</b>	<b>Cost of Service</b>	<b>Current</b>
	<b>\$15.12</b>	
Availability Charge (plus 1,000 Gal Included)	<b>(\$10.84+\$4.28)</b>	\$12.42
Next 9,000 Gallons		\$5.80
Next 15,000 Gallons		\$6.38
All Additional		\$6.96
<b>Water - Commercial; Inside</b>	<b>Cost of Service</b>	<b>Current</b>
	<b>\$18.66</b>	
Availability Charge (plus 1,000 Gal Included)	<b>(\$14.46+\$4.20)</b>	\$13.21
Next 9,000 Gallons		\$3.72
Next 15,000 Gallons		\$4.65
All Additional		\$5.58
<b>Water - Commercial; Outside</b>	<b>Cost of Service</b>	<b>Current</b>
	<b>\$19.89</b>	
Availability Charge (plus 1,000 Gal Included)	<b>(\$15.54+\$4.35)</b>	\$14.01
Next 9,000 Gallons		\$5.80
Next 15,000 Gallons		\$6.38
All Additional		\$6.96

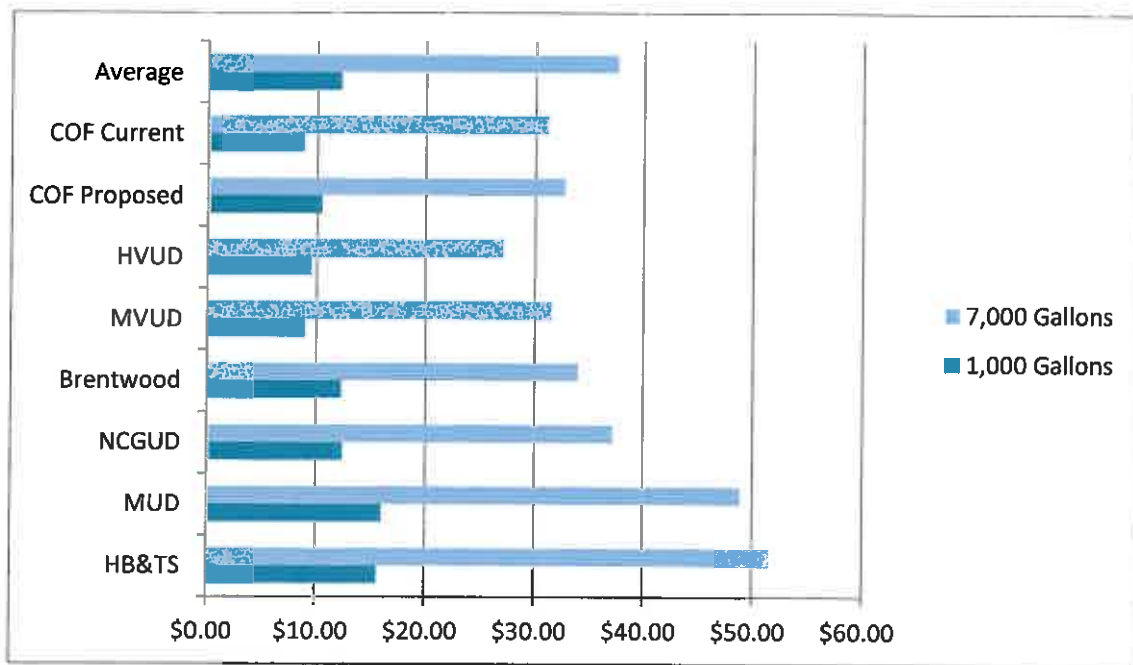


Water providers are required to recover the cost of operations. This is inclusive of administration, operations and maintenance, and rehabilitation and replacement. It is important to note that the City is also required to maintain a rates structure (user rates and development fees, as appropriate) to fully recover costs to ensure eligibility for low interest loans through the State Revolving Fund (SRF).

The operations of individual utility districts can widely vary. The table and chart below present a rate comparison of various utilities within Franklin and Williamson County (updated July 2011). Of the seven utilities presented, Franklin’s proposed rates are third from the lowest in both the 1,000 gallon and 7,000 gallon volumes.

**Water Rate Comparison  
(Sales Tax applies)**

Service Provider	1,000 Gallons	7,000 Gallons
HB&TS	\$15.54	\$51.54
MUD	\$16.00	\$48.89
NCGUD	\$12.40	\$37.25
Brentwood	\$12.25	\$34.05
MVUD	\$9.00	\$31.50
HVUD	\$9.50	\$27.05
COF Proposed	\$10.42	\$32.74
COF Current	\$8.82	\$31.14
<i>Average (not including COF Current)</i>	<i>\$12.16</i>	<i>\$37.57</i>



## Water Section Revenues

The 2013 budget revenues presented below are based on the revenues presented in the 2012-2013 biennial budget which includes proposed revenue increases based on the 2010 financial plan adopted by the Board of Mayor and Aldermen. Upon completion of the cost of service analyses currently underway, an amendment to the revenues shall be presented to the Board of Mayor and Aldermen for consideration.

### Revenues through Budget 2013

WATER OPERATIONS REVENUE	Budget 2012	Est 2012	Budget 2013	Budget 2013 Amend
INTEREST INCOME	\$ 15,300	\$ 18,726	\$ 15,600	\$ 15,600
RENTAL INCOME	\$ 11,600	\$ 23,273	\$ 11,600	\$ 11,600
SALE OF SURPLUS ASSETS	\$ -	\$ 10,044	\$ -	\$ -
<b>TOTAL USE OF MONEY &amp; PROPERTY</b>	<b>\$ 26,900</b>	<b>\$ 52,043</b>	<b>\$ 27,200</b>	<b>\$ 27,200</b>
MISCELLANEOUS OTHER REVENUE	\$ -	\$ 1,252	\$ -	\$ -
<b>TOTAL OTHER REVENUE</b>	<b>\$ -</b>	<b>\$ 1,252</b>	<b>\$ -</b>	<b>\$ -</b>
CUSTOMER SERVICE	\$ 8,745,000	\$ 8,958,799	\$ 9,007,500	\$ 9,007,500
PENALTIES	\$ 240,000	\$ 132,267	\$ 247,650	\$ 247,650
SERVICE CHARGES	\$ 100,000	\$ 159,020	\$ 103,000	\$ 103,000
INSPECTION FEES	\$ 65,000	\$ 60,877	\$ 66,950	\$ 66,950
OTHER SERVICE REVENUE	\$ 100,000	\$ 68,766	\$ 103,000	\$ 103,000
<b>TOTAL CUSTOMER SERVICE</b>	<b>\$ 9,250,000</b>	<b>\$ 9,379,729</b>	<b>\$ 9,528,100</b>	<b>\$ 9,528,100</b>
INSTALLATION FEE	\$ 25,000	\$ 55,323	\$ 25,750	\$ 25,750
<b>TOTAL CAPITAL CONTRIBUTIONS</b>	<b>\$ 25,000</b>	<b>\$ 55,323</b>	<b>\$ 25,750</b>	<b>\$ 25,750</b>
<b>TOTAL REVENUES</b>	<b>\$ 9,301,900</b>	<b>\$ 9,488,347</b>	<b>\$ 9,581,050</b>	<b>\$ 9,581,050</b>

# Water Section

## Water Expenditures – Proposed Amendments

**Personnel** – Proposed personnel amendments in the Water Section include postponing the addition of one equipment operator senior position and one utility service worker senior position until fiscal year 2014.

The staffing per position tables present the position, pay grade, number of 2012 and 2013 budgeted positions, and the proposed amendments to the 2013 budgeted positions. Proposed changes for the FY 2013 budget are highlighted in red.

<b>WATER SECTION</b>					
<b>UTILITY BILLING</b>					
<b>POSITION</b>	<b>PAY GRADE</b>	<b>BUDGETED FY 2012 FULL-TIME</b>	<b>BUDGETED FY 2013 FULL-TIME</b>	<b>AMENDED FY 2013 FULL-TIME</b>	<b>CURRENT VACANCIES</b>
Meter Reader Sr	10	1	1	1	2
Meter Reader	9	2	2	2	0
<b>TOTALS</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>
<b>WATER DISTRIBUTION</b>					
<b>POSITION</b>	<b>PAY GRADE</b>	<b>BUDGETED FY 2012 FULL-TIME</b>	<b>BUDGETED FY 2013 FULL-TIME</b>	<b>AMENDED FY 2013 FULL-TIME</b>	<b>CURRENT VACANCIES</b>
Service Division Superintendent	20	1	1	1	0
Water Distribution Assistant Superintendent	19	1	1	1	0
Utilities Crew Chief	13	3	3	3	1
Backflow Inspector	16	2	2	2	0
Administrative Assistant	12	1	1	1	0
Stock Room Supervisor	12	1	1	1	1
<b>Equipment Operator Senior</b>	11	2	3	<b>2</b>	1
<b>Utility Service Worker Sr</b>	10	4	5	<b>4</b>	0
<b>TOTALS</b>		<b>15</b>	<b>17</b>	<b>15</b>	<b>3</b>
<b>WATER TREATMENT PLANT</b>					
<b>POSITION</b>	<b>PAY GRADE</b>	<b>BUDGETED FY 2012 FULL-TIME</b>	<b>BUDGETED FY 2013 FULL-TIME</b>	<b>AMENDED FY 2013 FULL-TIME</b>	<b>CURRENT VACANCIES</b>
Water Plant Superintendent	20	1	1	1	0
Asst Superintendent	19	1	1	1	0
Water Operator Sr	16	5	5	5	0
Water Operator 2	13	2	2	2	2
Administrative Assistant	12	1	1	1	0
Water Operator 1	11	3	3	3	-2
<b>TOTALS</b>		<b>13</b>	<b>13</b>	<b>13</b>	<b>0</b>
<b>WATER SECTION TOTALS</b>		<b>31</b>	<b>33</b>	<b>31</b>	<b>5</b>

**Operations** – The following table presents the requested changes to the FY 2013 operations budget. A brief explanation has been provided for items that have a difference greater than \$10,000.

**WATER SUMMARY**

OPERATIONS	BUDGET AMENDMENT			REQUEST JUSTIFICATION
	BUDGET 2013	2013	DIFFERENCE	
TRANSPORTATION CHARGES	\$ 3,987	\$ 3,687	\$ (300)	
OPERATING SERVICES	\$ 10,850	\$ 12,400	\$ 1,550	
NOTICES, SUBSCRIPTIONS, PUBLICITY	\$ 8,000	\$ 11,250	\$ 3,250	
UTILITIES	\$ 263,350	\$ 273,625	\$ 10,275	The request for additional monies is related to utility services (electrical, solid waste, water, etc) stormwater facilities that are owned by the Water Management Department, yet are not related to operations. These facilities included the 4-H barn, Five Points Post Office, jails]
CONTRACTUAL SERVICES	\$ 21,000	\$ 35,000	\$ 14,000	Water Management Department is requesting additional funds to continue the leak detection services.
REPAIR & MAINTENANCE SERVICES	\$ 121,800	\$ 189,500	\$ 67,700	The additional funding requested is to address items identified in the Five Year Tank Inspections. Items include internal cleaning and mixing mechanisms. Additional items will be identified in future years.
EMPLOYEE PROGRAMS	\$ 5,100	\$ 1,600	\$ (3,500)	
PROFESSIONAL DEVELOPMENT/TRAVEL	\$ 8,340	\$ 8,490	\$ 150	
OFFICE SUPPLIES	\$ 4,800	\$ 4,350	\$ (450)	
OPERATING SUPPLIES	\$ 194,200	\$ 208,400	\$ 14,200	Additional funding is requested due to increased unit cost of chemicals in treatment of water
FUEL & MILEAGE	\$ 86,200	\$ 26,500	\$ (9,700)	
SUPPLIES FOR RESALE	\$ 3,400,000	\$ 3,400,000	\$ -	
MACHINERY & EQUIPMENT (<\$25,000)	\$ 49,300	\$ 54,600	\$ 5,300	Budgeting for operations capital has been modified and is explained in the next section
REPAIR & MAINTENANCE SUPPLIES	\$ 245,850	\$ 250,250	\$ 4,400	
OPERATIONAL UNITS	\$ 994,170	\$ 1,033,983	\$ 39,813	Operational units have been reevaluated. This expenditure was based on the year to date figure at the time of budget development and did not accurately reflect expenditure requirement
PROPERTY & LIABILITY COSTS	\$ 44,400	\$ 60,950	\$ 16,550	
RENTALS	\$ 1,500	\$ 2,050	\$ 550	
PERMITS	\$ 41,100	\$ 38,100	\$ (3,000)	
FINANCIAL FEES	\$ 100	\$ 40,050	\$ 39,950	This expenditure was based on the year to date figure at the time of budget development and did not accurately reflect expenditure requirement
OTHER BUSINESS EXPENSES	\$ 500	\$ -	\$ (500)	
DEBT SERVICE	\$ 191,321	\$ 249,246	\$ 57,925	Debt service has changed due to refinancing of loans
TRANSFERS	\$ -	\$ -	\$ -	
<b>TOTAL OPERATIONS</b>	<b>\$ 5,645,868</b>	<b>\$ 5,904,031</b>	<b>\$ 258,163</b>	

**Operations Capital** – Operations Capital expenditures are related to equipment and vehicles directly related to operations versus system replacement or expansion. The Water Management Department in an effort to levelize the budgeting of operations capital has evaluated the annual cost of replacement of operations capital items based on present day replacement value, anticipated lifecycle, and a projected annual increase in replacement cost of five percent.

There are various goals the department is striving to achieve in using this approach including the ability to:

- Provide for adequate funding of operations capital,
- Avoid significant swings in required funding from one budget to another, and

- Provide more stable data in performing cost of service analyses.

This process was applied to operations capital expenditures on machinery and equipment greater than and less than \$25,000. The following tables present a summary of these values.

Capital <\$25,000	Estimate Based on	Initial Budget	FY 2013 Budget		
	Needs	Value	FY 2013 Budget	Amendment	FY 2014 Projection
EQUIPMENT	\$ 28,300	\$ 28,300	\$ -	\$ 28,300	\$ 29,715
INFORMATION TECHNOLOGY	\$ 5,167	\$ 5,200	\$ -	\$ 5,200	\$ 5,460
VEHICLES	\$ 21,050	\$ 21,100	\$ -	\$ 21,100	\$ 22,155
<b>Water</b>	<b>\$ 54,517</b>	<b>\$ 54,600</b>	<b>\$ 49,300</b>	<b>\$ 54,600</b>	<b>\$ 57,330</b>

Capital >\$25,000	Estimate Based on	Initial Budget	FY 2013 Budget		
	Needs	Value	FY 2013 Budget	Amendment	FY 2014 Projection
BUILDING IMPROVEMENTS	\$ 1,833	\$ 1,900	\$ -	\$ 1,900	\$ 1,995
EQUIPMENT	\$ 44,242	\$ 45,000	\$ 461,000	\$ 336,000	\$ 47,250
VEHICLES	\$ 39,000	\$ 39,000	\$ -	\$ 39,000	\$ 40,950
<b>Water</b>	<b>\$ 85,075</b>	<b>\$ 85,900</b>	<b>\$ 461,000</b>	<b>\$ 376,900</b>	<b>\$ 90,195</b>

It is important to note that the FY 2013 Budget Amendment does not entirely reflect the initial budget value for capital expenditures greater than \$25,000. This is due to specific equipment budgeted in the original FY 2013 budget that requires replacement. The projected numbers for FY 2014 are presented to illustrate the predicatability of capital purchases for future budgeting purposes.

# Water Section

## Proposed Expenditures Amendment Summary

### WATER SUMMARY

PERSONNEL	BUDGET 2012	YTD @ 6/30/2012	ESTD 2012	BUDGET 2013	BUDGET	
					AMENDMENT 2013	
WAGES	\$ 1,253,445	\$ 1,090,217	\$ 1,090,217	\$ 1,335,006	\$	1,285,123
OFFICIALS FEES	\$ -	\$ -	\$ -	\$ -	\$	-
BENEFITS	\$ 538,241	\$ 528,163	\$ 528,163	\$ 579,086	\$	577,333
<b>TOTAL PERSONNEL</b>	<b>\$ 1,791,686</b>	<b>\$ 1,618,380</b>	<b>\$ 1,618,380</b>	<b>\$ 1,914,092</b>	<b>\$</b>	<b>1,862,456</b>

OPERATIONS	BUDGET 2012	YTD @ 6/30/2012	ESTD 2012	BUDGET 2013	BUDGET	
					AMENDMENT 2013	
TRANSPORTATION CHARGES	\$ 3,687	\$ 4,724	\$ 4,724	\$ 3,987	\$	3,687
OPERATING SERVICES	\$ 16,700	\$ 17,072	\$ 17,072	\$ 10,850	\$	12,400
NOTICES, SUBSCRIPTIONS, PUBLICITY	\$ 9,650	\$ 9,846	\$ 9,846	\$ 8,000	\$	11,250
UTILITIES	\$ 256,310	\$ 228,672	\$ 250,000	\$ 263,350	\$	273,625
CONTRACTUAL SERVICES	\$ 205,875	\$ 132,465	\$ 132,465	\$ 21,000	\$	35,000
REPAIR & MAINTENANCE SERVICES	\$ 150,800	\$ 220,656	\$ 220,656	\$ 121,800	\$	189,500
EMPLOYEE PROGRAMS	\$ 5,100	\$ 433	\$ 433	\$ 5,100	\$	1,600
PROFESSIONAL DEVELOPMENT/TRAVEL	\$ 8,340	\$ 2,669	\$ 2,669	\$ 8,340	\$	8,490
OFFICE SUPPLIES	\$ 5,900	\$ 5,123	\$ 5,123	\$ 4,800	\$	4,350
OPERATING SUPPLIES	\$ 191,500	\$ 358,599	\$ 358,599	\$ 194,200	\$	208,400
FUEL & MILEAGE	\$ 33,300	\$ 26,301	\$ 26,473	\$ 36,200	\$	26,500
SUPPLIES FOR RESALE	\$ 3,300,000	\$ 2,594,424	\$ 3,281,034	\$ 3,400,000	\$	3,400,000
MACHINERY & EQUIPMENT (<\$25,000)	\$ 80,900	\$ 123,049	\$ 123,049	\$ 49,300	\$	54,600
REPAIR & MAINTENANCE SUPPLIES	\$ 246,550	\$ 337,420	\$ 377,140	\$ 245,850	\$	250,250
OPERATIONAL UNITS	\$ 965,211	\$ 965,211	\$ 965,211	\$ 994,170	\$	1,033,983
PROPERTY & LIABILITY COSTS	\$ 59,798	\$ 60,468	\$ 60,468	\$ 44,400	\$	60,950
RENTALS	\$ 1,900	\$ 545	\$ 545	\$ 1,500	\$	2,050
PERMITS	\$ 32,640	\$ 28,294	\$ 28,294	\$ 41,100	\$	38,100
FINANCIAL FEES	\$ 56,100	\$ 36,417	\$ 36,417	\$ 100	\$	40,050
OTHER BUSINESS EXPENSES	\$ 500	\$ -	\$ -	\$ 500	\$	-
DEBT SERVICE	\$ 202,496	\$ 225,419	\$ 225,419	\$ 191,321	\$	249,246
TRANSFERS	\$ -	\$ -	\$ -	\$ -	\$	-
<b>TOTAL OPERATIONS</b>	<b>\$ 5,833,257</b>	<b>\$ 5,377,807</b>	<b>\$ 6,125,637</b>	<b>\$ 5,645,868</b>	<b>\$</b>	<b>5,904,031</b>

CAPITAL	BUDGET 2012	YTD @ 6/30/2012	ESTD 2012	BUDGET 2013	BUDGET	
					AMENDMENT 2013	
LAND	\$ -	\$ -	\$ -	\$ -	\$	-
BUILDINGS	\$ 45,000	\$ 40,793	\$ -	\$ -	\$	1,900
IMPROVEMENTS	\$ 1,000,000	\$ 861,725	\$ 861,725	\$ 1,000,000	\$	1,000,000
INFRASTRUCTURE	\$ -	\$ -	\$ -	\$ -	\$	-
MACHINERY & EQUIPMENT (>\$25,000)	\$ 414,000	\$ 177,976	\$ 177,975	\$ 461,000	\$	375,000
<b>TOTAL CAPITAL</b>	<b>\$ 1,459,000</b>	<b>\$ 1,080,494</b>	<b>\$ 1,039,700</b>	<b>\$ 1,461,000</b>	<b>\$</b>	<b>1,376,900</b>

<b>TOTAL EXPENDITURES</b>	<b>\$ 9,083,943</b>	<b>\$ 8,076,681</b>	<b>\$ 8,783,717</b>	<b>\$ 9,020,960</b>	<b>\$</b>	<b>9,143,387</b>
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# Wastewater Section

## Wastewater Section *Overview*

The Wastewater Section includes the Wastewater Collection and Wastewater Treatment (Water Reclamation) Divisions.

The City of Franklin operates an activated sludge treatment facility located at 135 Claude Yates Drive. The City of Franklin presently has a National Pollutant Discharge Elimination System Permit (NPDES) for treatment and discharge of twelve (12) million gallons of treated effluent per day. Limits and procedures were incorporated into the NPDES Permit that allows the City of Franklin to operate a reclaimed water network. This Division is facing increasing regulatory constraints from EPA and TDEC in the area of Local Limit Loading Reductions to the Harpeth River and additional Capacity Management Operation Maintenance (CMOM) Initiative requirements. The City has received a new NPDES permit effective November 1, 2010 through November 1, 2011. The City has applied for a new NPDES permit and is currently working with TDEC for issuance.

The Wastewater Collection Division is responsible for the operation and maintenance of the wastewater collection system including gravity sewer lines, force main lines and sewage lift stations located throughout the service area. Under this division, there are crews that are assigned to the replacement and extension of the wastewater collection system which collects and transports wastewater to the treatment plant. It is anticipated that this division will be facing an increasing workload in order to maintain compliance with EPA's Capacity Management Operation Maintenance (CMOM) Initiative requirements.



## Wastewater Section *Goals and Strategic Initiatives*

The primary goal for the Wastewater Section is to effectively operate the collection system with no sanitary sewer overflows and to produce high quality effluent water for distribution in the reclaimed water system and discharge to the Harpeth River that meets or exceeds permit requirements. As with the Water Section, the Wastewater Section is enhancing and implementing various programs to improve customer service, regulatory compliance, and overall operations. Some of these initiatives include the following:



- **Condition and Criticality Assessments** – The department has been compiling available information to develop condition and criticality assessments of infrastructure. Possible sources of available data include geographic information system (GIS) data, as-built drawing, historic service requests and work orders, and institutional knowledge. Additionally, the department has new closed circuit video inspection software that is aiding in prioritization of rehabilitation, replacement and maintenance. The goal of these assessments is to help prioritize maintenance, rehabilitation and replacement and to help identify risk of failure.
  
- **Tennessee Water and Wastewater Utilities Partnership Energy Management Program** – The Water Reclamation Facility is participating in an energy management program., partnering with the United States Environmental Protection Agency (EPA), the Tennessee Valley Authority (TVA) and the Tennessee Department of Environment and Conservation (TDEC). Department representatives have worked with this group to develop an energy management analysis and has participated in three of four scheduled workshops. The goal of the program is to identify operational changes to reduce electricity consumption and ultimately developing an energy management plan.

In November 2011, Water Reclamation Facility staff started modifying operations in an effort to reduce energy consumption and have made a significant amount of progress in a short period of time. Electrical costs per thousand gallons of water treated in FY 2011 was approximately \$0.35 versus \$0.33 in FY 2012. The Water Reclamation Facility treats approximately 3.35 billion gallons annually which equates to approximately \$65,000 annual cost savings.

## Wastewater Section

### *Wastewater Rates*

As with the Water Section, the Water Management Department has been performing cost of service analyses for the Wastewater Section to ensure that the Department can adequately fund the cost of operations and capital investments.

In October 2010, the Board of Mayor and Aldermen took measures that established a five year plan in which to achieve appropriate revenue streams by increasing projected wastewater revenues by 7% annually, starting in January 2011.

Similar to water rates, the sanitary sewer rate analyses and evolving rate structure has been developed using a cost of service approach per user class. Similar to the water rates, the sanitary sewer rates are higher for customers that have service outside of the city limits in recognition of the benefits to customers that do not pay city taxes.

The sanitary sewer rates, as opposed to water rates, include a declining structure that is intended to alleviate wastewater user fees that are potentially due to water consumption associated with flows that do not reach the sanitary sewer stream such as irrigation. The City also allows for irrigation meters to be installed which are not billed sanitary sewer fees.

The City is currently undergoing a cost of service analyses to gauge the impact of the five year plan established in 2010. The current rate structure and the cost of service values established in 2010 for the City of Franklin water customers is presented in the following table.

### Current Wastewater Rate Structure

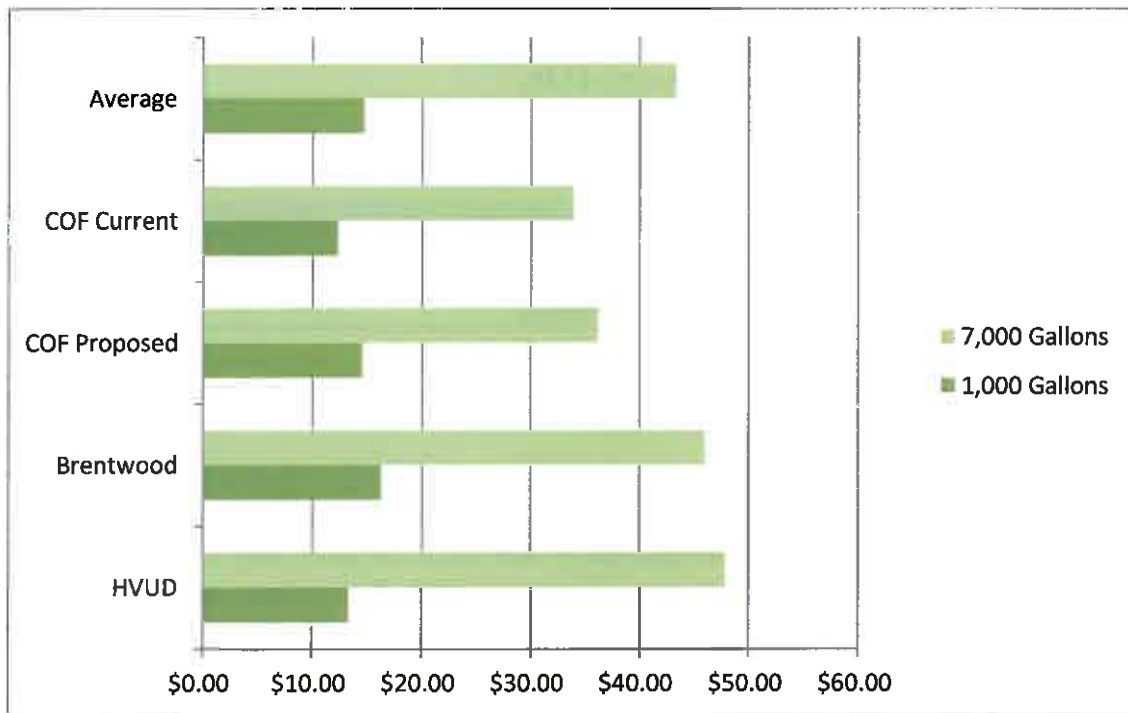
Wastewater - Residential; Inside	Cost of Service	Current
Availability Charge (plus 1,000 Gal Included)	\$24.82 (\$21.56+\$3.26)	\$14.55
Next 14,000 Gallons		\$3.61
All Additional		\$2.82
Wastewater - Residential; Outside	Cost of Service	Current
Availability Charge (plus 1,000 Gal Included)	\$22.94 (\$19.68+\$3.26)	\$19.21
Next 14,000 Gallons		\$5.62
All Additional		\$4.47
Wastewater - Commercial; Inside	Cost of Service	Current
Availability Charge (plus 1,000 Gal Included)	\$46.87 (\$43.52+\$3.35)	\$29.00
Next 14,000 Gallons		\$4.42
All Additional		\$3.43
Wastewater - Commercial; Outside	Cost of Service	Current
Availability Charge (plus 1,000 Gal Included)	\$40.81 (\$37.46+\$3.35)	\$31.00
Next 14,000 Gallons		\$6.91
All Additional		\$5.02

Wastewater providers are required to recover the cost of operations. This is inclusive of administration, operations and maintenance, and rehabilitation and replacement. It is important to note that the City is also required to maintain a rates structure (user rates and development fees, as appropriate) to fully recover costs to ensure eligibility for low interest loans through the State Revolving Fund (SRF).

The operations of individual utility districts can widely vary. The table and chart below present a rate comparison of various utilities within Franklin and Williamson County (updated July 2011). Of the three utilities presented, Franklin's proposed rates continue to be significantly lower for the 7,000 gallon volume and remain competitive for the 1,000 gallon volume.

**Wastewater Rate Comparison  
(Sales Tax Does Not Apply)**

<b>Service Provider</b>	<b>1,000 Gallons</b>	<b>7,000 Gallons</b>
HVUD	\$13.30	\$47.90
Brentwood	\$16.25	\$46.00
COF Proposed	\$14.55	\$36.21
COF Current	\$12.30	\$33.96
<i>Average (not including COF Current)</i>	<i>\$14.70</i>	<i>\$43.37</i>



## Wastewater Section

### Revenues

The 2013 budget revenues presented below are based on the revenues presented in the 2012-2013 biennial budget which includes proposed revenue increases based on the 2010 financial plan adopted by the Board of Mayor and Aldermen. Upon completion of the cost of service analyses currently underway, an amendment to the revenues shall be presented to the Board of Mayor and Aldermen for consideration.

### Revenues through Budget 2013

<b>WASTEWATER OPERATIONS REVENUE</b>	<b>Budget 2012</b>	<b>Est 2012</b>	<b>Budget 2013</b>	<b>Budget 2013 Amend</b>
INTEREST INCOME	\$ 15,300	\$ 46,064	\$ 15,600	\$ 15,600
RENTAL INCOME	\$ 2,800	\$ -	\$ -	\$ -
SALE OF SURPLUS ASSETS	\$ -	\$ 12,051	\$ -	\$ -
<b>TOTAL USE OF MONEY &amp; PROPERTY</b>	<b>\$ 18,100</b>	<b>\$ 58,115</b>	<b>\$ 15,600</b>	<b>\$ 15,600</b>
MISCELLANEOUS OTHER REVENUE	\$ -	\$ -	\$ 180	\$ 180
<b>TOTAL OTHER REVENUE</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 180</b>	<b>\$ 180</b>
CUSTOMER SERVICE	\$ 10,460,000	\$ 11,488,988	\$ 10,960,000	\$ 10,960,000
PENALTIES	\$ -	\$ 84,943	\$ -	\$ -
INSPECTION FEES	\$ 30,000	\$ 32,290	\$ 31,000	\$ 31,000
OTHER SERVICE REVENUE	\$ 100,000	\$ 31,745	\$ 103,000	\$ 103,000
<b>TOTAL CUSTOMER SERVICE</b>	<b>\$ 10,590,000</b>	<b>\$ 11,637,966</b>	<b>\$ 11,094,000</b>	<b>\$ 11,094,000</b>
INSTALLATION FEE	\$ 75,000	\$ 140,723	\$ 77,250	\$ 77,250
<b>TOTAL CAPITAL CONTRIBUTIONS</b>	<b>\$ 75,000</b>	<b>\$ 140,723</b>	<b>\$ 77,250</b>	<b>\$ 77,250</b>
<b>TOTAL REVENUES</b>	<b>\$ 10,683,100</b>	<b>\$ 11,836,804</b>	<b>\$ 11,187,030</b>	<b>\$ 11,187,030</b>

## Wastewater Section

### Wastewater Expenditures – Proposed Amendments

**Personnel** – The Water Management Department is requesting two overarching changes to personnel in FY 2013. These changes include the following:

- Expand the scope and intent of the Regulatory Coordinator position budgeted for FY 2013 to an Assistant Director of Administration and Policy. The purpose for this request is to provide additional support at the administration level to more readily refine policy, standard operating procedures and to assist with managing extensive projects that are necessary to ensure water, wastewater and reclaimed water quality and capacity.
- The development of a Maintenance Division to serve process equipment maintenance needs department wide. Currently there are four Lift Station Technicians and one Wastewater Maintenance Technician that serve the maintenance needs of process equipment for the lift stations and water reclamation facility. The formation of this division allows for more comprehensive use of staff to provide preventative and reactive maintenance in all divisions of the Water Management Department. The division does not require additional staff but would require reclassification of existing staff. The reclassifications include introduction of a Maintenance Division Supervisor and four Maintenance Technicians. The reclassification of one of the existing technician positions to a Maintenance Division Supervisor.

The staffing per position tables present the position, pay grade, number of 2012 and 2013 budgeted positions, and the proposed amendments to the 2013 budgeted positions. Proposed changes for the FY 2013 budget are highlighted in red.

#### WASTEWATER SECTION UTILITY ADMINISTRATION

POSITION	PAY GRADE	BUDGETED FY 2012 FULL-TIME	BUDGETED FY 2013 FULL-TIME	AMENDED FY 2013 FULL-TIME	CURRENT VACANCIES
Director	25	1	1	1	0
Assistant Director of Operations	23	1	1	1	0
<b>Assistant Director of Administration and Policy</b>	<b>23 EST</b>	0	0	<b>1</b>	1
GIS Specialist	17	1	1	1	0
Administrative Assistant	12	1	1	1	0
Utility Inspector	17	3	3	3	0
Secretary	9	1	1	1	1
Utilities Project Manager	20	1	1	1	0
<b>Regulatory Coordinator</b>	<b>19 Est</b>	0	1	<b>0</b>	0
<b>TOTALS</b>		<b>9</b>	<b>10</b>	<b>10</b>	<b>2</b>

**WASTEWATER COLLECTION**

POSITION	PAY GRADE	BUDGETED FY 2012 FULL-TIME	BUDGETED FY 2013 FULL-TIME	AMENDED FY 2013 FULL-TIME	CURRENT VACANCIES
Wastewater Collection Assistant Superintendent	19	1	1	1	0
W&S Const. Supervisor	16	1	1	1	1
Television Sewer Inspector	15	2	2	2	0
<del>Lift Station Technician</del> RECLASSIFY TO MAINT TECH	14	4	4	0	0
Utilities Crew Chief	13	4	4	4	1
Equipment Operator Senior	11	2	2	2	1
Sewer Equipment Technician	11	4	4	4	0
Utility Service Worker Sr	10	5	5	5	1
<b>TOTALS</b>		<b>23</b>	<b>23</b>	<b>19</b>	<b>4</b>

**WATER RECLAMATION**

POSITION	PAY GRADE	BUDGETED FY 2012 FULL-TIME	BUDGETED FY 2013 FULL-TIME	AMENDED FY 2013 FULL-TIME	CURRENT VACANCIES
Wastewater Plant Superintendent	20	1	1	1	0
Asst Wastewater Superintendent	19	1	1	1	0
Industrial Pretreatment Coordinator	17	1	1	1	1
Wastewater Operator Sr	16	3	3	3	1
<del>Wastewater Maint Technician</del> RECLASSIFY TO MAINT TECH	14	1	1	0	0
Heavy Equipment Operator	12	2	2	2	1
Wastewater Operator 1	11	10	10	10	-1
Secretary	9	1	1	1	1
<b>TOTALS</b>		<b>20</b>	<b>20</b>	<b>19</b>	<b>3</b>

**MAINTENANCE**

POSITION	PAY GRADE	BUDGETED FY 2012 FULL-TIME	BUDGETED FY 2013 FULL-TIME	AMENDED FY 2013 FULL-TIME	CURRENT VACANCIES
<del>Maintenance Supervisor</del>	19 EST	0	0	1	1
<del>Maintenance Technician</del>	14 EST	0	0	4	0
<b>TOTALS</b>		<b>0</b>	<b>0</b>	<b>5</b>	<b>1</b>
<b>WASTEWATER SECTION TOTALS</b>		<b>52</b>	<b>53</b>	<b>53</b>	<b>10</b>

**Operations and Maintenance** – The following table presents the requested changes to the FY 2013 operations budget. A brief explanation has been provided for items that have a difference greater than \$10,000.

**WASTEWATER SUMMARY**

OPERATIONS	BUDGET			REQUEST JUSTIFICATION
	BUDGET 2013	AMENDMENT 2013	DIFFERENCE	
TRANSPORTATION CHARGES	\$ 3,145	\$ 3,120	\$ (25)	
OPERATING SERVICES	\$ 607,573	\$ 440,200	\$ (167,373)	
NOTICES, SUBSCRIPTIONS, PUBLICITY	\$ 8,600	\$ 12,700	\$ 4,100	
UTILITIES	\$ 1,510,076	\$ 1,411,078	\$ (98,998)	Reduction is attributed to the energy management efforts at the Water Reclamation Facility
CONTRACTUAL SERVICES	\$ 169,800	\$ 164,000	\$ (5,800)	Water Management Department is requesting additional funds to continue the leak detection services.
REPAIR & MAINTENANCE SERVICES	\$ 233,350	\$ 253,300	\$ 19,950	Additional monies are requested to perform roof repairs at the water reclamation facility
EMPLOYEE PROGRAMS	\$ 1,800	\$ 1,550	\$ (250)	
PROFESSIONAL DEVELOPMENT/TRAVEL	\$ 14,400	\$ 16,400	\$ 2,000	
OFFICE SUPPLIES	\$ 7,850	\$ 7,450	\$ (400)	
OPERATING SUPPLIES	\$ 226,256	\$ 239,625	\$ 13,369	Request is based on trending of operating supplies
FUEL & MILEAGE	\$ 136,750	\$ 141,000	\$ 4,250	
SUPPLIES FOR RESALE	\$ -	\$ -	\$ -	
MACHINERY & EQUIPMENT (<\$25,000)	\$ 30,700	\$ 96,950	\$ 65,650	Budgeting for operations capital has been modified and is explained in the next section
REPAIR & MAINTENANCE SUPPLIES	\$ 205,900	\$ 202,900	\$ (3,000)	Request is based on trending of operating supplies
OPERATIONAL UNITS	\$ 883,380	\$ 919,096	\$ 35,716	Operational units have been reevaluated.
PROPERTY & LIABILITY COSTS	\$ 101,000	\$ 128,500	\$ 27,500	This expenditure was based on the year to date figure at the time of budget development and did not accurately reflect expenditure requirement
RENTALS	\$ 7,600	\$ 6,800	\$ (800)	
PERMITS	\$ 14,500	\$ 10,500	\$ (4,000)	This expenditure was based on the year to date figure at the time of budget development and did not accurately reflect expenditure requirement
FINANCIAL FEES	\$ -	\$ 30,000	\$ 30,000	requirement
OTHER BUSINESS EXPENSES	\$ 600	\$ 500	\$ (100)	
DEBT SERVICE	\$ 1,101,801	\$ 1,110,076	\$ 8,275	
TRANSFERS	\$ -	\$ -	\$ -	
<b>TOTAL OPERATIONS</b>	<b>\$ 5,265,081</b>	<b>\$ 5,195,145</b>	<b>\$ (69,936)</b>	

**Operations Capital** – Operations Capital expenditures are related to equipment and vehicles directly related to operations versus system replacement or expansion. The Water Management Department in an effort to levelize the budgeting of operations capital has evaluated the annual cost of replacement of operations capital items based on present day replacement value, anticipated lifecycle, and a projected annual increase in replacement cost of five percent.

There are various goals the department is striving to achieve in using this approach including the ability to:

- Provide for adequate funding of operations capital,
- Avoid significant swings in required funding from one budget to another, and
- Provide more stable data in performing cost of service analyses.

This process was applied to operations capital expenditures on machinery and equipment greater than and less than \$25,000. The following tables present a summary of these values.



<b>Capital &lt;\$25,000</b>	<b>Estimate Based on</b>	<b>Initial Budget</b>	<b>FY 2013 Budget</b>		
	<b>Needs</b>	<b>Value</b>	<b>FY 2013 Budget</b>	<b>Amendment</b>	<b>FY 2014 Projection</b>
EQUIPMENT	\$ 66,535	\$ 66,600	\$ -	\$ 66,600	\$ 69,930
INFORMATION TECHNOLOGY	\$ 8,027	\$ 8,050	\$ -	\$ 8,050	\$ 8,453
VEHICLES	\$ 21,700	\$ 21,700	\$ -	\$ 21,700	\$ 22,785
<b>Wastewater</b>	<b>\$ 96,262</b>	<b>\$ 96,350</b>	<b>\$ 30,700</b>	<b>\$ 96,350</b>	<b>\$ 101,168</b>

<b>Capital &gt;\$25,000</b>	<b>Estimate Based on</b>	<b>Initial Budget</b>	<b>FY 2013 Budget</b>		
	<b>Needs</b>	<b>Value</b>	<b>FY 2013 Budget</b>	<b>Amendment</b>	<b>FY 2014 Projection</b>
BUILDING IMPROVEMENTS	\$ 2,333	\$ 2,500	\$ -	\$ 1,400	\$ 2,625
EQUIPMENT	\$ 556,595	\$ 557,000	\$ 1,065,000	\$ 1,007,500	\$ 584,850
VEHICLES	\$ 233,429	\$ 234,000	\$ -	\$ -	\$ 245,700
<b>Wastewater</b>	<b>\$ 792,357</b>	<b>\$ 793,500</b>	<b>\$ 1,065,000</b>	<b>\$ 1,008,900</b>	<b>\$ 833,175</b>

It is important to note that the FY 2013 Budget Amendment does not entirely reflect the initial budget value for capital expenditures greater than \$25,000. This is due to specific equipment budgeted in the original FY 2013 budget that requires replacement. The projected numbers for FY 2014 are presented to illustrate the predicatability of capital purchases for future budgeting purposes.

# Wastewater Section

## Proposed Expenditures Amendment Summary

### WASTEWATER SUMMARY

PERSONNEL	BUDGET 2012	YTD @ 6/30/2012	ESTD 2012	BUDGET 2013	BUDGET	
					BUDGET 2013	AMENDMENT 2013
WAGES	\$ 2,259,156	\$ 1,973,704	\$ 1,973,704	\$ 2,373,501	\$	2,384,857
OFFICIALS FEES	\$ -	\$ -	\$ -	\$ -	\$	-
BENEFITS	\$ 1,008,585	\$ 921,252	\$ 921,252	\$ 1,049,302	\$	1,027,881
<b>TOTAL PERSONNEL</b>	<b>\$ 3,267,741</b>	<b>\$ 2,894,956</b>	<b>\$ 2,894,956</b>	<b>\$ 3,422,803</b>	<b>\$</b>	<b>3,412,738</b>

OPERATIONS	BUDGET 2012	YTD @ 6/30/2012	ESTD 2012	BUDGET 2013	BUDGET	
					BUDGET 2013	AMENDMENT 2013
TRANSPORTATION CHARGES	\$ 3,075	\$ 1,912	\$ 1,912	\$ 3,145	\$	3,120
OPERATING SERVICES	\$ 596,747	\$ 342,832	\$ 342,832	\$ 607,573	\$	440,200
NOTICES, SUBSCRIPTIONS, PUBLICITY	\$ 9,400	\$ 11,352	\$ 11,352	\$ 8,600	\$	12,700
UTILITIES	\$ 1,451,200	\$ 1,240,515	\$ 1,251,499	\$ 1,510,076	\$	1,411,078
CONTRACTUAL SERVICES	\$ 668,075	\$ 70,833	\$ 70,038	\$ 169,800	\$	164,000
REPAIR & MAINTENANCE SERVICES	\$ 233,550	\$ 195,433	\$ 195,433	\$ 233,350	\$	253,300
EMPLOYEE PROGRAMS	\$ 1,800	\$ 748	\$ 748	\$ 1,800	\$	1,550
PROFESSIONAL DEVELOPMENT/TRAVEL	\$ 15,100	\$ 11,519	\$ 11,519	\$ 14,400	\$	16,400
OFFICE SUPPLIES	\$ 7,650	\$ 5,591	\$ 5,591	\$ 7,850	\$	7,450
OPERATING SUPPLIES	\$ 235,800	\$ 263,613	\$ 263,613	\$ 226,256	\$	239,625
FUEL & MILEAGE	\$ 124,300	\$ 128,587	\$ 128,587	\$ 136,750	\$	141,000
SUPPLIES FOR RESALE	\$ -	\$ -	\$ -	\$ -	\$	-
MACHINERY & EQUIPMENT (<\$25,000)	\$ 94,400	\$ 205,258	\$ 205,258	\$ 30,700	\$	96,350
REPAIR & MAINTENANCE SUPPLIES	\$ 206,000	\$ 123,381	\$ 125,381	\$ 205,900	\$	202,900
OPERATIONAL UNITS	\$ 857,965	\$ 924,213	\$ 924,213	\$ 883,380	\$	919,096
PROPERTY & LIABILITY COSTS	\$ 100,100	\$ 126,801	\$ 126,801	\$ 101,000	\$	128,500
RENTALS	\$ 7,600	\$ 752	\$ 752	\$ 7,600	\$	6,800
PERMITS	\$ 16,500	\$ 16,533	\$ 16,533	\$ 14,500	\$	10,500
FINANCIAL FEES	\$ 66,000	\$ 30,311	\$ 30,311	\$ -	\$	30,000
OTHER BUSINESS EXPENSES	\$ 600	\$ -	\$ -	\$ 600	\$	500
DEBT SERVICE	\$ 1,105,010	\$ 1,066,346	\$ 1,066,698	\$ 1,101,801	\$	1,110,076
TRANSFERS	\$ -	\$ -	\$ -	\$ -	\$	-
<b>TOTAL OPERATIONS</b>	<b>\$ 5,800,872</b>	<b>\$ 4,768,530</b>	<b>\$ 4,779,071</b>	<b>\$ 5,265,081</b>	<b>\$</b>	<b>5,195,145</b>

CAPITAL	BUDGET 2012	YTD @ 6/30/2012	ESTD 2012	BUDGET 2013	BUDGET	
					BUDGET 2013	AMENDMENT 2013
LAND	\$ -	\$ 49,202	\$ 49,202	\$ -	\$	-
BUILDINGS	\$ -	\$ -	\$ -	\$ -	\$	1,400
IMPROVEMENTS	\$ 800,000	\$ 60,432	\$ 60,432	\$ 1,300,000	\$	1,300,000
INFRASTRUCTURE	\$ -	\$ -	\$ -	\$ -	\$	-
MACHINERY & EQUIPMENT (>\$25,000)	\$ 651,000	\$ -	\$ -	\$ 1,065,000	\$	1,007,500
<b>TOTAL CAPITAL</b>	<b>\$ 1,451,000</b>	<b>\$ 109,634</b>	<b>\$ 109,634</b>	<b>\$ 2,365,000</b>	<b>\$</b>	<b>2,308,900</b>

<b>TOTAL EXPENDITURES</b>	<b>\$ 10,519,613</b>	<b>\$ 7,773,120</b>	<b>\$ 7,783,661</b>	<b>\$ 11,052,884</b>	<b>\$</b>	<b>10,916,783</b>
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HISTORIC  
FRANKLIN  
TENNESSEE

# Reclaimed Water Section

## Reclaimed Water Section

### *Overview*

On February 10, 2004, the City of Franklin Board of Mayor and Aldermen officially created the Reclaimed Division through adoption of Title 18, Chapter 4, of the Franklin Municipal Code. With the adoption of Chapter 4, the Water Management Department instituted the enforcement of the State Approved Construction Standards, Regulation and Fee Structures as set forth in the



Ordinance. The Reclaimed Water Section produces and distributes water for commercial and residential irrigation use within the City's water service area.

There are no dedicated personnel assigned to this division. Personnel from the Wastewater Collection Division and Water Distribution Division currently maintain the reclaimed water lines and personnel from the Water Reclamation Plant operate and maintain the pumps and sampling stations.

## Reclaimed Water Section

### *Goals and Strategic Initiatives*

The primary goal for the Reclaimed Water Section is to distribute high quality effluent water for irrigation needs of customers. The Downs Boulevard and West Reclaimed Water construction projects are completed.

Though it is not an essential service, it is imperative that the Department be able to serve the demands for the system. Depending on growth and technical issues, it is anticipated that the existing Long Lane Water Tank (500,000 gallons) will be converted to a reclaimed storage facility in the coming years. Additional storage facilities are being considered using existing Department property.

## Reclaimed Water Section

### *Reclaimed Water Rates*

The reclaimed water rate of \$0.87/1,000 gallons that was established in 1990s was changed to \$0.97/1,000 gallons on January 1, 2012. As with the water and wastewater rates, the City is currently undergoing an analyses to define the cost of service.

## Reclaimed Water Section

### Revenues

The revenues presented below are based on the revenues presented in the 2012-2013 biennial budget . Upon completion of the cost of service analyses currently underway, an amendment to the revenues shall be presented to the Board of Mayor and Aldermen for consideration.

### Revenues through Budget 2013

RECLAIMED OPERATIONS REVENUE	Budget 2012	Est 2012	Budget 2013	Budget 2013 Amend
INTEREST INCOME	\$ 500	\$ 1,840	\$ 510	\$ 510
TOTAL USE OF MONEY & PROPERTY	\$ 500	\$ 1,840	\$ 510	\$ 510
CUSTOMER SERVICE	\$ 272,000	\$ 146,724	\$ 287,740	\$ 287,740
PENALTIES	\$ 500	\$ 282	\$ 500	\$ 500
INSPECTION FEES	\$ 500	\$ -	\$ 520	\$ 520
TOTAL CUSTOMER SERVICE	\$ 273,000	\$ 147,006	\$ 288,760	\$ 288,760
<b>TOTAL REVENUES</b>	<b>\$ 273,500</b>	<b>\$ 148,846</b>	<b>\$ 289,270</b>	<b>\$ 289,270</b>

# Reclaimed Water Section

## *Proposed Expenditures Amendment Summary*

### RECLAIMED WATER SUMMARY

OPERATIONS	BUDGET				
	BUDGET 2012	YTD @ 6/30/2012	ESTD 2012	BUDGET 2013	AMENDMENT 2013
TRANSPORTATION CHARGES	\$ 250	\$ -	\$ -	\$ 250	\$ 250
NOTICES, SUBSCRIPTIONS, PUBLICITY	\$ 100	\$ -	\$ -	\$ 100	\$ 100
UTILITIES	\$ 40,000	\$ 49	\$ 49	\$ 41,600	\$ 41,600
CONTRACTUAL SERVICES	\$ -	\$ 14,107	\$ 14,107	\$ -	\$ -
REPAIR & MAINTENANCE SERVICES	\$ 12,000	\$ -	\$ -	\$ 12,000	\$ 15,000
OPERATING SUPPLIES	\$ 132,700	\$ 75,357	\$ 71,628	\$ 135,700	\$ 135,700
MACHINERY & EQUIPMENT (<\$25,000)	\$ 2,000	\$ -	\$ -	\$ 2,000	\$ 2,000
REPAIR & MAINTENANCE SUPPLIES	\$ 15,500	\$ 427	\$ 427	\$ 17,500	\$ 20,500
OPERATIONAL UNITS	\$ -	\$ 172,837	\$ 172,837	\$ -	\$ -
DEBT SERVICE	\$ 70,693	\$ 18,131	\$ 70,693	\$ 70,692	\$ 70,692
<b>TOTAL OPERATIONS</b>	<b>\$ 273,243</b>	<b>\$ 280,908</b>	<b>\$ 329,741</b>	<b>\$ 279,842</b>	<b>\$ 285,842</b>
<b>EXPENDITURES</b>	<b>\$ 273,243</b>	<b>\$ 280,908</b>	<b>\$ 329,741</b>	<b>\$ 279,842</b>	<b>\$ 285,842</b>

## Appendix A: Organization

The Water Management Department staffed facilities include the Administration and Service Divisions facility, the Water Reclamation Facility and the Water Treatment Plant. The following pages present the Water Management Department organization and the staffing per division. The red blocks and the orange blocks in the organization figure identify the eliminated and the proposed positions respectively as described in the proposed changes to personnel.

