



*Christopher Poole Photography*

**City of Franklin, Tennessee**

*FY 2016-2017*

# **Water Management Biennial Operating Budget**

**Water - Wastewater - Reclaimed**



Excellence Innovation Teamwork Integrity Action Oriented



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Water Management

Mark Hilty, Water Management Director

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# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Water Management

Mark Hilty, Water Management Director

	2013	2014	2015		2016	2017	2015 v. 2016	
	Actual	Actual	Budget	Estimated	Budget	Budget	\$	%
<b>Beginning Balance</b>	7,268,534	15,043,450	18,318,852	18,318,852	21,265,147	22,771,594		
<b>Revenues</b>	25,471,938	23,187,312	22,351,089	24,938,329	24,708,803	26,150,977	2,357,714	10.5%
<b>Expenses</b>								
Personnel	4,669,801	4,765,815	5,298,339	4,995,360	5,485,617	5,612,024	187,278	3.5%
Operations	11,421,311	11,847,191	12,119,000	12,353,807	12,545,632	12,811,200	426,632	3.5%
Capital	1,605,910	3,298,904	4,925,325	4,642,866	5,171,107	5,390,098	245,782	5.0%
<b>Expenses</b>	17,697,022	19,911,910	22,342,664	21,992,034	23,202,356	23,813,322	859,692	3.8%
<b>Ending Balance</b>	15,043,450	18,318,852	18,327,277	21,265,147	22,771,594	25,109,249		

### Budget Summary - By Division

	2013	2014	2015		2016	2017	2015 v. 2016	
	Actual	Actual	Budget	Estimated	Budget	Budget	\$	%
<b>Beginning Balance</b>	7,268,534	15,043,450	18,318,852	18,318,852	21,265,147	22,771,594		
<b>Revenues</b>	25,471,938	23,187,312	22,351,089	24,938,329	24,708,803	26,150,977	2,357,714	10.5%
<b>Expenses</b>								
Water	8,836,662	8,863,912	9,712,628	9,554,357	10,109,710	10,263,634	397,082	4.1%
Wastewater	8,738,856	10,904,872	12,433,961	12,252,625	12,889,816	13,345,613	455,855	3.7%
Reclaimed	121,504	143,126	196,075	185,051	202,831	204,075	6,756	3.4%
<b>Expenses</b>	17,697,022	19,911,910	22,342,664	21,992,034	23,202,356	23,813,322	859,692	3.8%
<b>Ending Balance</b>	15,043,450	18,318,852	18,327,277	21,265,147	22,771,594	25,109,249		

### Departmental Summary

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 distribution for customers located primarily in the City of Franklin.

To achieve this vision it is necessary to safely and efficiently deliver drinking water, sanitary sewer and reclaimed water services to our customers. The Water Management Department continues to evolve through formalization and refinement of practices and through the implementation of the Integrated Water Resources Plan.



**City of Franklin, Tennessee**  
**FY 2016-2017 Biennial Operating Budget**

**Water Management**

*Mark Hilty, Water Management Director*

**Departmental Summary (con't)**

This fiscal year 2016 and 2017 biennial budget 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
Utility Billing	Water
Wastewater Collection	Wastewater
Wastewater Treatment	Wastewater
Utility Administration	Wastewater
Reclaimed Water	Reclaimed Water

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, reimbursing the General Fund monies to cover the costs of administrative oversight and support services such as payroll, human resources, finance and engineering. Reclaimed water, while presented as its own section, is an alternative disposal method of treated sanitary sewer. This disposal method in effect, 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.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Performance Measures

How a community utilizes its resources must be governed in accordance with its citizens wishes and its plans for the future. Therefore, beginning in FY 2015, The City of Franklin has established **FranklinForward : A Vision for 2033**. This Strategic Plan has specific and demonstrable objectives for each department which, when achieved individually, will cohesively move Franklin forward to meet the challenges and demands of the future.

Each budget has a series of performance measures and benchmarks attached to it which demonstrate the workload, effectiveness and outcome of taxpayer support for the annual operations of the City of Franklin and its pursuit of the goals of the Strategic Plan. Together, these measures demonstrate a proper and diligent use of taxpayer dollars in the pursuit of a greater community.



### FranklinForward : A Vision for 2033 | Objectives for Developing a Strategic Plan

#### Theme: A Safe Clean and Livable City



Franklin will provide high-quality water and wastewater treatment services that will meet the needs of our growing community.

Franklin will establish standards for the quality of its infrastructure (i.e., water lines, sewer services)

Goal: To have a reliable, efficient, and scalable infrastructure

baseline: Baseline energy costs for water and sewage delivery is \$1,595,352 (FY2012 sum actual expenditures from water fund and wastewater fund)

Baseline: Baseline of unaccounted water within the system is 20.8% (FY2012)

Baseline: Baseline of sanitary score is 97 (2012)

Franklin will continue to meet or exceed regulatory requirements for water quality.

Goal: To have no violations of regulatory requirements for water quality.

Baseline: Zero water quality violations in 2012. (TN Dept. of Environment & Conservation monitoring requirements and regulatory standards.)

Franklin will pursue completion of the recently approved Integrated Water Resource Plan (IWRP) by 2042.

Goal: To fully complete the Franklin Integrated Water Resource Plan by 2042 in five year increments as set in the plan.

Baseline: 5% completed (2012). (Franklin Integrated Water Resource Plan.)

Baseline: Adopted Strategic Schedule for each of the 5-year increments. (2013).

**Franklin will be a model for environmental quality and a sustainable city.**

Goal: Franklin will achieve platinum status within the TVA sustainable Communities Program.

[Baseline: Achieved Goal status, 2013]

<b>Key:</b>	<b>Strategic Plan: FranklinForward</b>	
	<b>Sustainable Franklin</b>	
	<b>Tennessee Municipal Benchmarking Project</b>	

### Workload (Output) Measures

	2012	2013	2014	2015	2016
TBD					

### Efficiency Measures

	2012	2013	2014	2015	2016
TBD					



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Performance Measures

#### Outcome (Effectiveness) Measures

	2012	2013	2014	2015	2016
Franklin will establish standards for the quality of its infrastructure (i.e., water lines, sewer services)					
Goal: To have a reliable, efficient, and scalable infrastructure					
Declining or steady energy costs for water and sewage delivery	\$ 1,595,352	TBD	TBD	TBD	TBD
<b>Target</b> (FY2012 sum actual expenditures from water fund and wastewater fund)	\$ 1,595,352	\$ 1,595,352	\$ 1,595,352	\$ 1,595,352	\$ 1,595,352
<b>Meets Target?</b>	Yes	TBD	TBD	TBD	TBD
Unaccounted water within the system decreases	20.8%	TBD	16%	TBD	TBD
<b>Target</b> (20.8% unaccounted for in FY 2012)	20.8%	20.8%	20.8%	20.8%	20.8%
<b>Meets Target?</b>	Yes	TBD	Yes	TBD	TBD
Sanitary score remains or improves	97	TBD	Yes	TBD	TBD
<b>Target</b> (97 from FY 2012)	97	97	97	97	97
<b>Meets Target?</b>	Yes	TBD	Yes	TBD	TBD
Franklin will continue to meet or exceed regulatory requirements for water quality.					
Goal: To have no violations of regulatory requirements for water quality.					
Franklin Water Quality Violations	0	0	0	0	0
<b>Target</b> (TN Dept. of Environment & Conservation monitoring requirements and regulatory standards.)	0	0	0	0	0
<b>Meets Target?</b>	Yes	Yes	Yes	Yes	Yes
Franklin will pursue completion of the recently approved Integrated Water Resource Plan (IWRP) by 2042.					
Goal: To fully complete the Franklin Integrated Water Resource Plan by 2042 in five year increments as set in the plan.					
5% completed (2012). (Franklin Integrated Water Resource Plan.)	5%	TBD	TBD	TBD	TBD
<b>Target</b>	5%	8.17%	11.34%	14.51%	17.68%
<b>Meets Target?</b>	Yes	TBD	TBD	TBD	TBD
Baseline: Adopted Strategic Schedule for each of the 5-year increments. (2013).					
Franklin Status	N/A	Adopted	Adopted	Adopted	Adopted
<b>Target (Adopted?)</b>	N/A	Adopted	Adopted	Adopted	Adopted
<b>Meets Target?</b>	N/A	Yes	Yes	Yes	Yes
Franklin will achieve platinum status within the TVA sustainable Communities Program.					
Franklin status	N/A	Platinum	Gold	TBD	TBD
<b>Target (Platinum)</b>	N/A	Platinum	Platinum	Platinum	Platinum
<b>Meets Target?</b>	N/A	Yes	No	TBD	TBD



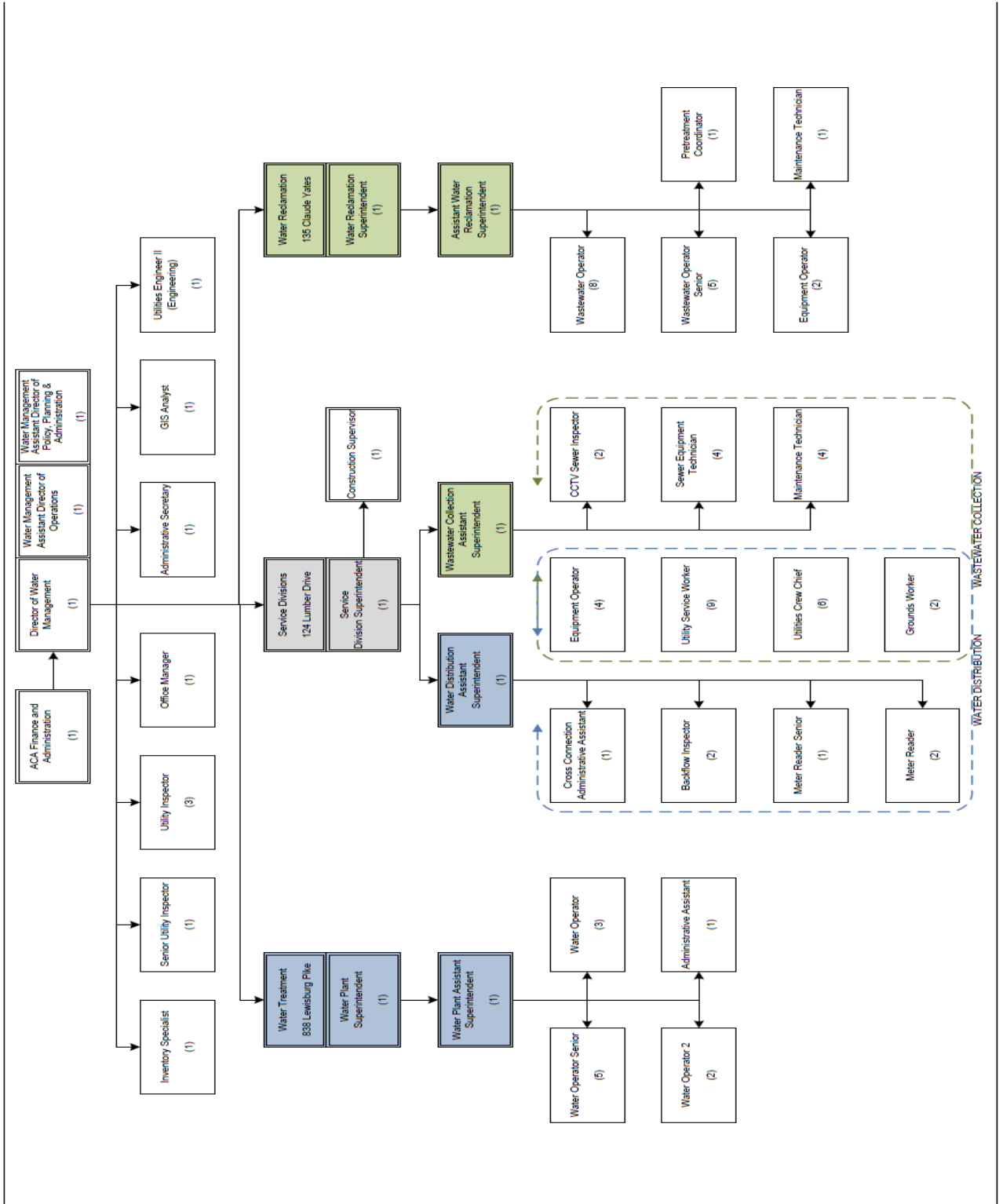
# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Organizational Chart

#### City of Franklin Water Management

FY 2016 - FY 2017 Biennial Budget



Note: For detailed counts and authorized positions, please see following page entitled "Staffing by Position"



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Staffing by Position

Position	Pay Grade	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
		F-T	F-T	F-T	F-T	F-T

#### Water Section

##### Utility Billing

Meter Reader Sr	C	1	1	1	1	1
Meter Reader	B	2	2	2	2	2
<b>TOTALS</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

##### Water Distribution

Service Division Superintendent	I	1	1	1	1	1
Water Distribution Assistant Superintendent	G	1	1	1	1	1
Utilities Crew Chief	E	3	3	3	3	3
Backflow Inspector	E	2	2	2	2	2
Administrative Assistant	D	1	1	1	1	1
Inventory Specialist	D	1	1	1	1	1
Equipment Operator	D	2	2	2	2	2
Utility Service Worker	C	4	4	4	4	4
<b>TOTALS</b>		<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>

##### Water Treatment Plant

Water Treatment Superintendent	H	1	1	1	1	1
Water Treatment Assistant Superintendent	G	1	1	1	1	1
Water Operator Sr	E	5	5	5	5	5
Water Operator 2	TBD	2	2	2	2	2
Administrative Assistant	D	1	1	1	1	1
Water Operator	D	3	3	3	3	3
<b>TOTALS</b>		<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>

#### Water Section Totals

**31      31      31      31      31**

#### Wastewater Section

##### Utility Administration

Director	L	1	1	1	1	1
Assistant Director of Operations	J	1	1	1	1	1
Assistant Director of Administration and Policy	J	1	1	1	1	1
GIS Analyst	E	1	1	1	1	1
Administrative Assistant	D	1	1	0	0	0
Administrative Secretary	B	0	0	1	1	1
Utility Inspector	F	3	3	3	3	3
Senior Utility Inspector	G	0	0	1	1	1
Office Manager	F	0	1	1	1	1
Utilities Engineer II	H	1	1	1	1	2
Grounds Worker	B	0	2	2	2	2
<b>TOTALS</b>		<b>9</b>	<b>12</b>	<b>13</b>	<b>13</b>	<b>14</b>

##### Wastewater Collection

Wastewater Collection Assistant Superintendent	G	1	1	1	1	1
Construction Supervisor	TBD	1	1	1	1	1
TV Truck Sewer Inspector	D	2	2	2	2	2
Maintenance Technician	E	0	0	4	4	4
Utilities Crew Chief	E	4	3	3	3	4
Equipment Operator	D	2	2	2	3	3





# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Staffing by Position

Position	Pay Grade	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017
		F-T	F-T	F-T	F-T	F-T
Sewer Equipment Technician	D	4	4	4	4	4
Utility Service Worker	C	5	5	5	4	6
<b>TOTALS</b>		<b>19</b>	<b>18</b>	<b>22</b>	<b>22</b>	<b>25</b>

### Water Reclamation

Water Reclamation Superintendent	I	1	1	1	1	1
Assistant Water Reclamation Superintendent	G	1	1	1	1	1
Pretreatment Coordinator	F	1	1	1	1	1
Wastewater Operator Sr	E	3	5	5	5	5
Maintenance Technician	E	0	0	1	1	1
Equipment Operator	D	2	2	2	2	2
Wastewater Operator	D	10	8	8	8	8
<b>TOTALS</b>		<b>18</b>	<b>18</b>	<b>19</b>	<b>19</b>	<b>19</b>

### Maintenance

Maintenance Supervisor	G - EST	1	1	0	0	0
Maintenance Technician	E	4	4	0	0	0
<b>TOTALS</b>		<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>

### WASTEWATER SECTION TOTALS

**51      53      54      54      58**

### Total All Employees, Water & Wastewater

**82      84      85      85      89**



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Budget - All Divisions

The following table presents the Water, Wastewater and Reclaimed Water divisions of the Water & Wastewater Fund in a composite presentation.

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G (E-C)</u>	<u>H (E/C)</u>
	Actual	Actual	Budget	Est'd	Budget	Budget	Difference	
	2013	2014	2015	2015	2016	2017	\$	%
<b>Personnel</b>								
Salaries & Wages	3,128,549	3,252,872	3,820,257	3,591,292	3,891,978	4,021,496	71,721	1.9%
Employee Benefits	1,541,252	1,512,943	1,478,082	1,404,068	1,593,639	1,590,528	115,557	7.8%
<b>Total Personnel</b>	<b>4,669,801</b>	<b>4,765,815</b>	<b>5,298,339</b>	<b>4,995,360</b>	<b>5,485,617</b>	<b>5,612,024</b>	<b>187,278</b>	<b>3.5%</b>
<b>Operations</b>								
Transportation Services	3,936	5,755	5,350	7,753	5,365	5,350	15	0.3%
Operating Services	323,472	416,462	387,260	375,866	405,360	424,261	18,100	4.7%
Notices, Subscriptions, etc.	14,962	17,987	26,600	21,624	26,456	26,450	(144)	-0.5%
Utilities	1,596,686	1,543,096	1,640,280	1,524,641	1,689,572	1,740,424	49,292	3.0%
Contractual Services	243,556	231,778	524,375	630,995	529,500	459,875	5,125	1.0%
Repair & Maintenance Services	480,682	460,808	376,000	343,890	346,732	346,000	(29,268)	-7.8%
Employee programs	2,713	1,223	12,150	2,897	12,150	12,150	-	0.0%
Professional Development/Travel	32,722	31,203	28,400	26,042	28,400	28,400	-	0.0%
Office Supplies	10,758	11,696	11,650	13,265	11,650	11,650	-	0.0%
Operating Supplies	654,172	749,945	677,650	702,856	699,050	716,501	21,400	3.2%
Fuel & Mileage	166,283	158,461	162,700	126,782	147,589	158,569	(15,111)	-9.3%
Supplies for Resale	3,799,487	3,466,520	3,600,000	3,500,000	3,744,000	3,893,760	144,000	4.0%
Machinery & Equipment (<\$25,000)	45,972	80,467	167,582	124,975	174,892	182,565	7,310	4.4%
Repair & Maintenance Supplies	543,983	757,210	395,800	651,031	410,800	410,800	15,000	3.8%
Operational Units	1,953,079	2,000,000	2,187,240	2,187,240	2,205,728	2,316,014	18,488	0.8%
Property & Liability Costs	146,181	222,967	201,372	235,109	201,364	211,432	(8)	0.0%
Rentals	27,085	4,652	5,500	2,358	5,500	5,500	-	0.0%
Financial Fees	46,010	25,266	61,800	26,626	86,800	61,800	25,000	40.5%
Permits	45,180	48,662	55,100	54,641	55,100	55,100	-	0.0%
Debt Service and Lease Payments	1,284,392	1,613,033	1,592,191	1,795,216	1,759,624	1,744,599	167,433	10.5%
<b>Total Operations</b>	<b>11,421,311</b>	<b>11,847,191</b>	<b>12,119,000</b>	<b>12,353,807</b>	<b>12,545,632</b>	<b>12,811,200</b>	<b>426,632</b>	<b>3.5%</b>
Buildings	-	(33,269)	3,675	89	3,859	4,051	184	5.0%
Improvements	1,541,955	2,968,778	3,800,000	4,524,037	3,987,500	4,189,063	187,500	4.9%
Machinery & Equipment (>\$25,000)	63,955	363,395	1,121,650	118,740	1,179,748	1,196,984	58,098	5.2%
<b>Capital</b>	<b>1,605,910</b>	<b>3,298,904</b>	<b>4,925,325</b>	<b>4,642,866</b>	<b>5,171,107</b>	<b>5,390,098</b>	<b>245,782</b>	<b>5.0%</b>
<b>Total Water &amp; Wastewater Fund</b>	<b>17,697,022</b>	<b>19,911,910</b>	<b>22,342,664</b>	<b>21,992,034</b>	<b>23,202,356</b>	<b>23,813,322</b>	<b>859,692</b>	<b>3.8%</b>

Note: Definitions of each category can be found in the appendices.



## City of Franklin, Tennessee

### FY 2016-2017 Biennial Operating Budget

#### Water Budget

##### Section Summary

The Water Section comprises the Water Treatment and Distribution Divisions and the Utility Billing Division. The activities of these divisions are summarized below.

The Water Treatment facility is located on Lewisburg Pike. Staff at the plant perform 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 reservoirs with a capacity of 11.5 million gallons.

The Utility Billing Division is the interface between the Water Management Department and Revenue Management. The division is responsible for collecting metering data and working with the Water Distribution Division to perform meter repairs, replacements, and to restore or terminate water service.

##### Section Goals & Strategic Initiatives

The primary goal for the Water Section is to continue to provide safe, reliable drinking water to customers. The Water Section has been working to refine practices and policies to better serve customers including the drafting of revisions to municipal code, review of internal work flow related to customer service requests and work orders and training and educating staff.

A key strategic initiative is the Water Treatment Plant Upgrade project. Bids for the project are to be received on July 22, 2015 to upgrade the facility with advanced treatment technologies to better serve the community. The upgrade to the facility includes installation of membrane filtration, ultraviolet (UV) disinfection and advanced oxidation processes and carbon contactors to address current and future regulatory requirements, taste and odor, lifecycle costs and operational considerations. A construction contract will be presented to the Board of Mayor and Aldermen for consideration in the Fall of 2015 and is scheduled for completion in early 2017.

Coupled with the upgrade project is the reapplication for an aquatic resources alteration permit (ARAP). City staff has been working through this process for over two years and on July 2, 2015 received a new permit. The main permit conditions are similar to the previous permit which includes provisions for withdrawal of up to 20% of flow with a 10 ft<sup>3</sup>/s cutoff. Additional protective measures in the new permit includes a withdrawal cutoff when the river is below 5 mg/L of dissolved oxygen (DO) as suggested by the City during permit development collaboration with TDEC.

An ongoing project that the Water Section has been working through is leak detection surveys. The department contracted this spring to perform leak detection surveys and has evaluated approximately miles of the distribution system as of June 23, 2015. The surveys to date have identified 128 leaks found in various parts of the system from service lines to water mains and had an estimated daily loss of approximately 93,800 gallons per day. This equates to an annual avoided cost of approximately \$87,300. The department expects to complete the surveys within several weeks.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Water Budget

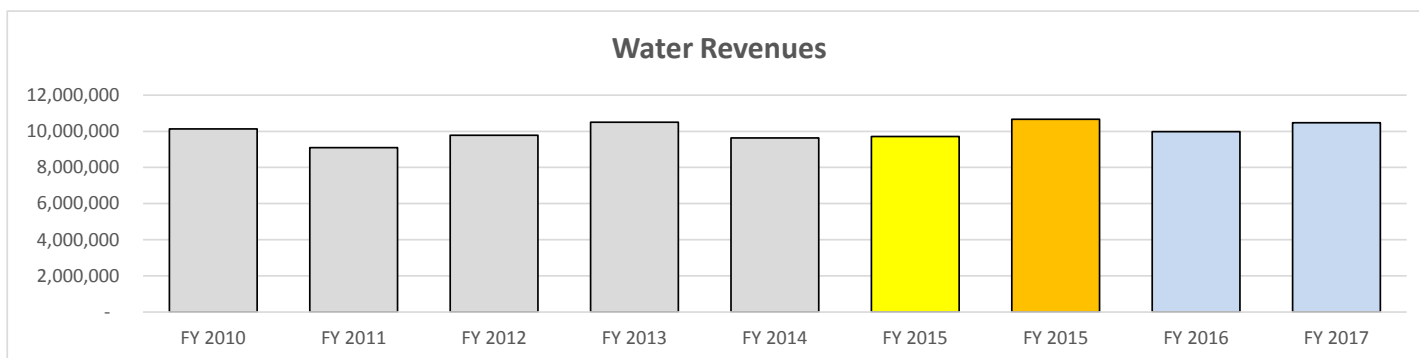
#### Consumption

The water customer base has witnessed steady growth since FY 2011. The average consumption for both residential and commercial customers has declined significantly over the last decade, with FY 2015 the second lowest total since FY 2007. The table below presents the account information and consumption values (residential and commercial totals) from FY 2007 through FY 2015.

Year	Customer Accounts	Annual Total (Million Gallons)	Monthly Average - Residential and Commercial (Gallons)
FY 07	16,194	1,662	8,553
FY 08	16,360	1,628	8,293
FY 09	16,444	1,576	7,987
FY 10	16,426	1,443	7,321
FY 11	16,454	1,489	7,541
FY 12	16,530	1,508	7,602
FY 13	16,711	1,499	7,475
FY 14	16,918	1,404	6,916
FY 15	17,094	1,436	7,002

#### Revenues

Rate based revenues for FY 2016-2017 are projected to be at approximately 96% of the budget. The tables below present historic revenue by category FY 2010-FY 2014, estimated for the budgeted and projected revenues for FY 2015 and the projected revenues for FY 2016 & 2017.



	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Budget	FY 2015 Est.	FY 2016 Forecast	FY 2017 Forecast
Intergovernmental	2,348,557	179,082	-	(484)	-	-	-	-	-
Interest Income	9,253	16,089	18,726	16,193	7,002	26,431	3,500	5,000	7,500
Rental Income	10,633	26,100	23,273	21,800	24,000	24,000	24,000	24,000	24,000
Sale of Surplus Assets	5,995	11,775	(26,066)	1,660	33,277	-	-	-	-
Customer Service (Rates)	7,302,046	8,691,274	9,252,143	9,182,126	9,293,143	9,396,197	9,387,523	9,721,988	10,213,128
Inspection Fees	55,374	38,738	60,877	73,444	72,422	71,000	71,000	60,000	60,000
Other Service Revenue	38,834	61,640	68,766	105,329	109,136	95,000	95,000	95,000	95,000
Capital Contributions	361,440	71,660	383,203	1,102,508	94,021	100,000	1,084,845	75,000	75,000
<b>Total Water Revenues</b>	<b>10,132,132</b>	<b>9,096,358</b>	<b>9,780,922</b>	<b>10,502,576</b>	<b>9,633,001</b>	<b>9,712,628</b>	<b>10,665,868</b>	<b>9,980,988</b>	<b>10,474,628</b>



## City of Franklin, Tennessee

### FY 2016-2017 Biennial Operating Budget

#### Water Budget

##### Budget Summary

**Personnel** – There are no proposed staffing changes in the Water Section for FY 2016 or FY 2017. The department does anticipate the need to hire an additional equipment operator in FY 2018. This position will be re-evaluated during the FY 2018 and FY 2019 biennial budget process.

**Operations** – The largest operations expense in the Water Section continues to be the purchase of finished water. Expenditures on purchased water can fluctuate depending on a number of factors. Some of these factors include Franklin Water Treatment capacities, weather, financial considerations, and water resource conservation efforts. The expenditure for FY 2016 is approximately \$3,744,000.

Indirect expenses also is a large expense item in the Water Section. These expenses include the interfund reimbursement the General Fund for administrative support functions (customer service, utility billing, and other support functions such as Engineering and Human Resources).

Utilities are estimated to be approximately \$235,000 for FY 2016. Electricity is the primary cost, and is necessary for booster pump stations in the distribution system, high service and raw water pumps at the Water Treatment Plant, and other day to day needs. Raw water pumping expenditures has decreased since the rehabilitation work to the reservoir. The Water Section continues to evaluate energy needs and practices to reduce electrical consumption.

**Operations Capital** – Operations Capital expenditures are related to equipment and vehicles directly related to operations versus system replacement or expansion. The Water Management Department 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. The department hopes to achieve the following goals by using this approach:

- 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, vehicles, information technology expenditures, and buildings.

In terms of capital projects, the City has been working through the IWRP priority projects established by the BOMA. The key projects in the Water Section include the Water Treatment Plant Upgrade and several distribution projects. The City will be receiving bids for the Water Treatment Plant Upgrade project on July 22, 2015. Upon review and evaluation of the bids, they will be presented to the BOMA for consideration at which time specific funding sources will be established. City staff will start moving forward on the distribution projects in FY 2017.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Budget

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G (E-C)</u>	<u>H (E/C)</u>
	Actual	Actual	Budget	Estd	Budget	Budget	Difference '15 v. '16	
	2013	2014	2015	2015	2016	2017	\$	%
<b>Divisions</b>								
Water Distribution	1,481,779	1,807,883	1,647,410	1,716,750	1,739,136	1,763,555	91,726	5.6%
Water Treatment/Plant	5,246,815	5,164,279	5,096,475	4,976,063	5,266,371	5,444,769	169,896	3.3%
Utility Billing	128,913	161,988	174,411	155,307	167,173	184,076	(7,238)	-4.1%
Water General	1,979,155	1,729,762	2,794,332	2,706,238	2,937,030	2,871,235	142,698	5.1%
<b>Total Water</b>	<b>8,836,662</b>	<b>8,863,912</b>	<b>9,712,628</b>	<b>9,554,357</b>	<b>10,109,710</b>	<b>10,263,634</b>	<b>397,082</b>	<b>4.1%</b>
<b>Expense by Category</b>								
<b>Personnel</b>								
Salaries & Wages	1,159,690	1,296,318	1,340,547	1,324,828	1,371,479	1,407,118	30,932	2.3%
Employee Benefits	519,928	571,838	541,008	503,439	607,859	585,043	66,851	12.4%
<b>Total Personnel</b>	<b>1,679,618</b>	<b>1,868,156</b>	<b>1,881,555</b>	<b>1,828,267</b>	<b>1,979,338</b>	<b>1,992,161</b>	<b>97,783</b>	<b>5.2%</b>
<b>Operations</b>								
Transportation Services	968	2,806	1,600	4,080	1,600	1,600	-	0.0%
Operating Services	11,921	24,648	21,500	19,674	21,600	21,600	100	0.5%
Notices, Subscriptions, etc.	5,307	8,150	9,750	14,254	9,750	9,750	-	0.0%
Utilities	257,522	225,727	228,880	219,967	235,528	242,463	6,648	2.9%
Contractual Services	86,708	104,116	202,125	56,366	214,000	144,125	11,875	5.9%
Repair & Maintenance Services	176,013	158,834	126,000	148,744	96,000	96,000	(30,000)	-23.8%
Employee programs	1,604	472	7,400	1,290	7,400	7,400	-	0.0%
Professional Development/Travel	12,244	17,601	8,900	7,817	8,900	8,900	-	0.0%
Office Supplies	4,906	5,351	4,500	3,550	4,500	4,500	-	0.0%
Operating Supplies	300,441	393,906	305,350	322,475	314,000	322,498	8,650	2.8%
Fuel & Mileage	44,529	40,037	37,700	43,282	34,606	36,230	(3,094)	-8.2%
Supplies for Resale	3,799,487	3,466,520	3,600,000	3,500,000	3,744,000	3,893,760	144,000	4.0%
Machinery & Equipment (<\$25,000)	8,819	66,214	61,325	56,798	63,451	65,684	2,126	3.5%
Repair & Maintenance Supplies	398,898	503,830	229,300	465,047	244,300	244,300	15,000	6.5%
Operational Units	1,033,983	1,058,823	1,157,951	1,157,951	1,167,738	1,226,125	9,787	0.8%
Property & Liability Costs	42,983	76,833	70,721	85,266	75,330	79,097	4,609	6.5%
Rentals	23,526	641	2,000	500	2,000	2,000	-	0.0%
Financial Fees	24,042	12,164	16,800	11,608	41,800	16,800	25,000	148.8%
Permits	31,351	33,222	38,100	7,347	38,100	38,100	-	0.0%
Debt Service and Lease Payments	190,666	209,933	209,821	307,936	309,851	309,828	100,030	47.7%
<b>Total Operations</b>	<b>6,455,918</b>	<b>6,409,828</b>	<b>6,339,723</b>	<b>6,433,952</b>	<b>6,634,454</b>	<b>6,770,759</b>	<b>294,731</b>	<b>4.6%</b>
Buildings	-	(33,269)	2,100	89	2,205	2,315	105	5.0%
Improvements	637,171	575,002	1,300,000	1,261,482	1,300,000	1,300,000	-	0.0%
Machinery & Equipment (>\$25,000)	63,955	44,195	189,250	30,567	193,713	198,398	4,463	2.4%
<b>Capital</b>	<b>701,126</b>	<b>585,928</b>	<b>1,491,350</b>	<b>1,292,138</b>	<b>1,495,918</b>	<b>1,500,713</b>	<b>4,568</b>	<b>0.3%</b>
<b>Total Water Summary</b>	<b>8,836,662</b>	<b>8,863,912</b>	<b>9,712,628</b>	<b>9,554,357</b>	<b>10,109,710</b>	<b>10,263,634</b>	<b>397,082</b>	<b>4.1%</b>

Note: Definitions of each category can be found in the appendices.



## Wastewater Budget

### Section Summary

The Wastewater Section includes the Wastewater Collection, Water Reclamation, Maintenance, and Utility Administration 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 is currently operating under an expired NPDES permit, awaiting issuance of new permit from the Tennessee Department of Environment and Conservation (TDEC).



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.

### Section Goals & 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.

The Water Management Department continues to refine operations efforts consistent with components of the EPA's Capacity Management, Operations and Maintenance (CMOM) program. In part, these activities include refinements to documentation and operations, development of a capacity management tool, and design and installation of permanent flow monitors within the collection system. These activities are intended to help monitor the system, reduce sanitary sewer overflows and provide better management tools for the system.

The wastewater collection division continues to perform inspections of the sanitary sewer system to evaluate condition, risk and maintenance needs. This year the division worked with the IT Department to develop a manhole inspection tool and process to help manage the data from ongoing manhole inspections.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Wastewater Budget

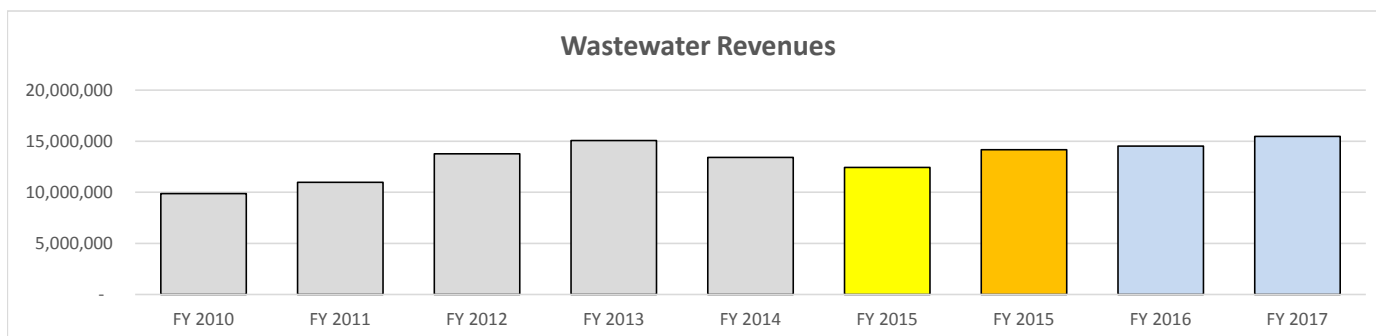
#### Consumption & Revenues

The sanitary sewer customer base has shown greater signs of growth primarily due to areas within the Mallory Valley and HB&TS Utility Districts.

Year	Customer Accounts	Annual Total (Million Gallons)	Monthly Average - Residential and Commercial (Gallons)
FY 07	16,708	1,582	7,889
FY 08	16,215	1,619	8,323
FY 09	18,617	1,900	8,504
FY 10	19,923	2,068	8,649
FY 11	20,201	2,334	9,627
FY 12	20,646	2,204	8,898
FY 13	21,221	2,332	9,157
FY 14	21,735	2,224	8,528
FY 15	22,601	2,147	7,917

#### Revenues

Rate based revenues for FY 2016-2017 are projected to be at approximately 98% of the budget. The tables below present historic revenue by category FY 2010-FY 2014, estimated for the budgeted and projected revenues for FY 2015 and the projected revenues for FY 2016 & 2017.



	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Budget	FY 2015 Est.	FY 2016 Forecast	FY 2017 Forecast
Intergovernmental	310,677	258,890	42,219	-	-	-	-	-	-
Interest Income	10,058	17,918	46,064	39,658	20,277	82,843	77,000	80,000	70,000
Rental Income	2,800	2,480	-	1,800	2,700	1,800	2,800	2,800	2,800
Sale of Surplus Assets	8,111	22	(152,425)	6,133	-	-	13,714	-	-
Customer Service (Rates)	8,692,758	10,410,071	11,500,187	12,241,583	13,072,915	12,047,735	13,720,304	14,200,515	15,159,049
Inspection Fees	13,028	33,228	32,290	75,298	90,563	75,298	135,000	75,000	75,000
Other Service Revenue	24,400	23,992	31,745	60,610	44,146	66,115	25,000	40,000	40,000
Capital Contributions	810,575	230,628	2,267,716	2,641,148	184,209	160,170	194,000	125,000	125,000
<b>Total Wastewater Revenue</b>	<b>9,872,407</b>	<b>10,977,229</b>	<b>13,767,796</b>	<b>15,066,230</b>	<b>13,414,810</b>	<b>12,433,961</b>	<b>14,167,818</b>	<b>14,523,315</b>	<b>15,471,849</b>





## Wastewater Budget

### Budget Summary

**Personnel** – The Water Management Department is requesting the following personnel changes within the Wastewater Section:

- Add one Utility Service Worker – FY 2017,
- Add one Equipment Operator – FY 2017,
- Add one Utility Crew Chief – FY 2017,
- Add one Utilities Engineer (this position would be managed through the Engineering Department and Funded through the Water Management Department) – FY 2017,
- Reconsider the formation of a Maintenance Division and the hiring of a Maintenance Division Supervisor. This concept will be evaluated depending on operational needs during preparation of the FY 2018 budget.

**Operations and Maintenance** – Operations and maintenance accounts for the largest costs in the Wastewater Section. Utility costs are a large expense item in Wastewater, exceeding \$1,000,000 annually. These costs are associated with aeration of the wastewater for biological processes, pumping, odor control and various other processes and operations.

Indirect Expenses also is a large expense item in the Wastewater Section. As with the Water Section, these expenses include reimbursement to the General Fund for customer service, utility billing, and other support functions such as Engineering and Human Resources.

The FOG (Fats, Oils & Grease) program is an ongoing effort to remove fats, oils and grease from the collection system in order to improve the conveyance and treatment of wastewater. This program has improved the collection system significantly by working with the food service industry to ensure there is adequate FOG removal. This year the department conducted 363 food service industry inspections issuing 43 noncompliance notifications. 37 of these noncompliance issues have been resolved. The department is currently working through resolution of the remaining 6 issues.

The Wastewater Collection Division responded to 14 overflows this fiscal year (less than 4 overflows per 100 miles of collection system per year). The largest overflow volume was 13,500 gallons during the February ice and snow storms. The overflow duration was approximately nine hours due to access issues associated with flooding by the Harpeth River. During that same period as the active overflow, the volume of river flow at the 96E bridge was approximately 124 million gallons which equates to the overflow being 0.01% of the river flow.

**Operations Capital** – Operations Capital expenditures are related to equipment and vehicles directly related to operations versus system replacement or expansion. The Water Management Department 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. The department hopes to achieve the following goals by using this approach:

- 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, vehicles, information technology expenditures, and buildings.

Similar to the Water Section, the City has been working through the IWRP priority projects established by the BOMA. The key project in the Wastewater Section is the Water Reclamation Facility Upgrade and Expansion. This project is also proposed to be funded through State Revolving Fund loans through the TDEC. Staff expect to bid this project with bid opening in the fall of 2015. Upon review and evaluation of the bids, staff will present the information to the BOMA for consideration at which time specific funding sources will be established.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Budget

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G (E-C)</u>	<u>H (E/C)</u>
	Actual	Actual	Budget	Est'd	Budget	Budget	Difference '15 v. '16	
	2013	2014	2015	2015	2016	2017	\$	%
<b>Divisions</b>								
Wastewater Collection	1,889,878	2,236,032	2,235,533	1,949,949	2,184,709	2,354,820	(50,824)	-2.3%
Wastewater Plant	3,203,225	3,235,158	4,021,131	3,238,469	4,191,527	4,292,736	170,396	4.2%
Utility Administration	633,522	662,152	977,216	922,159	1,007,930	1,012,808	30,714	3.1%
Wastewater General	3,012,231	4,771,530	5,200,081	6,142,049	5,505,650	5,685,251	305,569	5.9%
<b>Total Water</b>	<b>8,738,856</b>	<b>10,904,872</b>	<b>12,433,961</b>	<b>12,252,625</b>	<b>12,889,816</b>	<b>13,345,613</b>	<b>455,855</b>	<b>3.7%</b>
<b>Expense by Category</b>								
<b>Personnel</b>								
Salaries & Wages	1,968,859	1,956,554	2,479,710	2,266,464	2,520,500	2,614,378	40,790	1.6%
Employee Benefits	1,021,324	941,105	937,074	900,629	985,780	1,005,485	48,706	5.2%
<b>Total Personnel</b>	<b>2,990,183</b>	<b>2,897,659</b>	<b>3,416,784</b>	<b>3,167,093</b>	<b>3,506,280</b>	<b>3,619,863</b>	<b>89,496</b>	<b>2.6%</b>
<b>Operations</b>								
Transportation Services	2,968	2,949	3,500	3,673	3,500	3,500	-	0.0%
Operating Services	311,551	391,814	365,760	356,192	383,760	402,661	18,000	4.9%
Notices, Subscriptions, etc.	9,655	9,837	16,750	7,370	16,600	16,600	(150)	-0.9%
Utilities	1,339,152	1,317,357	1,411,350	1,304,666	1,453,991	1,497,911	42,641	3.0%
Contractual Services*	147,125	127,662	322,250	574,629	315,500	315,750	(6,750)	-2.1%
Repair & Maintenance Services	304,669	301,974	238,000	195,146	238,000	238,000	-	0.0%
Employee programs	1,109	751	4,750	1,607	4,750	4,750	-	0.0%
Professional Development/Travel	20,478	13,602	19,500	18,225	19,500	19,500	-	0.0%
Office Supplies	5,852	6,345	7,150	7,831	7,150	7,150	-	0.0%
Operating Supplies	268,361	278,656	272,100	280,258	278,850	285,803	6,750	2.5%
Fuel & Mileage	121,754	118,424	125,000	83,500	112,983	122,339	(12,017)	-9.6%
Supplies for Resale	-	-	-	-	-	-	-	0.0%
Machinery & Equipment (<\$25,000)	37,153	14,253	104,257	68,177	109,441	114,881	5,184	5.0%
Repair & Maintenance Supplies	142,266	248,737	151,000	168,924	151,000	151,000	-	0.0%
Operational Units	919,096	941,177	1,029,289	1,029,289	1,037,990	1,089,890	8,701	0.8%
Property & Liability Costs	103,198	146,134	130,651	149,843	126,034	132,335	(4,617)	-3.5%
Rentals	3,559	4,011	3,500	1,858	3,500	3,500	-	0.0%
Financial Fees	21,968	13,102	45,000	15,018	45,000	45,000	-	0.0%
Permits	13,829	15,440	17,000	47,294	17,000	17,000	-	0.0%
Debt Service and Lease Payments	1,070,146	1,342,012	1,316,395	1,421,305	1,383,798	1,368,796	67,403	5.1%
<b>Total Operations</b>	<b>4,843,889</b>	<b>5,294,237</b>	<b>5,583,202</b>	<b>5,734,804</b>	<b>5,708,347</b>	<b>5,836,366</b>	<b>125,145</b>	<b>2.2%</b>
Buildings	-	-	1,575	-	1,654	1,736	79	5.0%
Improvements	904,784	2,393,776	2,500,000	3,262,555	2,687,500	2,889,063	187,500	7.5%
Machinery & Equipment (>\$25,000)	-	319,200	932,400	88,173	986,035	998,586	53,635	5.8%
<b>Capital</b>	<b>904,784</b>	<b>2,712,976</b>	<b>3,433,975</b>	<b>3,350,728</b>	<b>3,675,189</b>	<b>3,889,385</b>	<b>241,214</b>	<b>7.0%</b>
<b>Total Wastewater</b>	<b>8,738,856</b>	<b>10,904,872</b>	<b>12,433,961</b>	<b>12,252,625</b>	<b>12,889,816</b>	<b>13,345,613</b>	<b>455,855</b>	<b>3.7%</b>

Note: Definitions of each category can be found in the appendices.

Note 2: \*Estimated Overage in FY 2015 Contractual Services attributable to legal expenses.



## Reclaimed Water

### Section Summary

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.

### Section Goals & Strategic Initiatives

The primary goal for the Reclaimed Water Section is to distribute high quality effluent water for irrigation needs of customers. In FY 2014 and 2015, the department will focus particularly on metering of reclaimed water. In general, reclaimed water consumption occurs at relatively high volumes as compared to domestic water. In recent years, there have been a number of meters that have been replaced well before the expected lifecycle. Staff will evaluate meter effectiveness in the reclaimed water application to determine if alternative types of meters are more appropriate to ensure meter accuracy and ultimately accurate revenues.

Though reclaimed water 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.



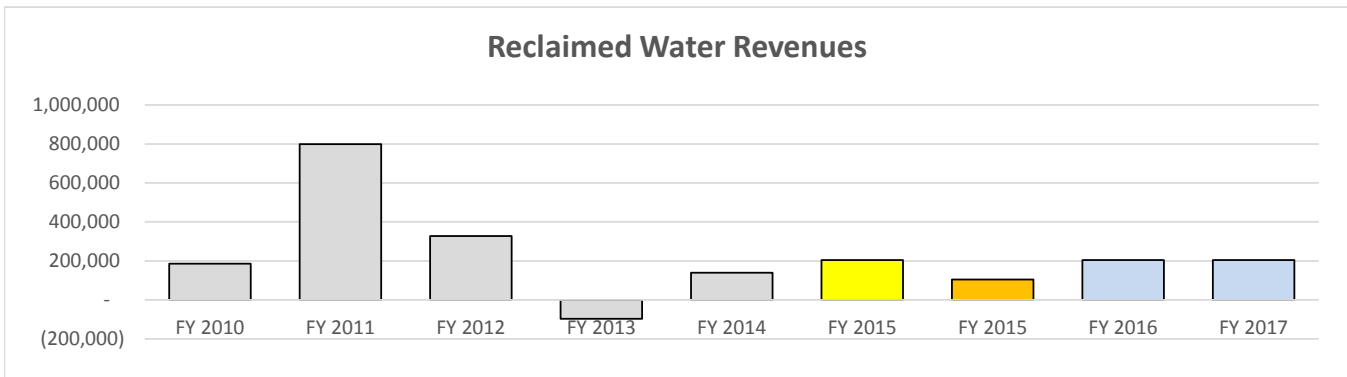
# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Reclaimed Water

#### Revenues

Rate based revenues for FY 2016-2017 are projected to be at approximately 96% of the budget. The tables below present historic revenue by category FY 2010-FY 2014, estimated for the budgeted and projected revenues for FY 2015 and the projected revenues for FY 2016 & 2017.



	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Budget	FY 2015 Est.	FY 2016 Forecast	FY 2017 Forecast
Intergovernmental	44,580	648,132	178,887	(240,183)	-	-	-	-	-
Interest Income	520	872	1,840	839	170	500	14	500	500
Sale of Surplus Assets	-	-	-	-	-	-	-	-	-
Customer Service (Rates)	140,842	146,237	147,006	135,305	130,570	200,500	87,242	200,500	200,500
Inspection Fees	-	-	-	2,337	-	1,000	-	1,000	1,000
Other Service Revenue	-	-	-	600	333	500	2,387	500	500
Capital Contributions	-	3,780	-	4,234	8,428	2,000	15,000	2,000	2,000
<b>Total Reclaimed Revenues</b>	<b>185,942</b>	<b>799,021</b>	<b>327,733</b>	<b>(96,868)</b>	<b>139,501</b>	<b>204,500</b>	<b>104,643</b>	<b>204,500</b>	<b>204,500</b>



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Budget

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G (E-C)</u>	<u>H (E/C)</u>
	Actual	Actual	Budget	Estd	Budget	Budget	Difference '15 vs. '16	
	2013	2014	2015	2015	2016	2017	\$	%
<b>Personnel</b>								
Salaries & Wages	-	-	-	-	-	-	-	0.0%
Employee Benefits	-	-	-	-	-	-	-	0.0%
<b>Total Personnel</b>	-	-	-	-	-	-	-	<b>0.0%</b>
<b>Operations</b>								
Transportation Services	-	-	250	-	265	250	15	6.0%
Operating Services	-	-	-	-	-	-	-	0.0%
Notices, Subscriptions, etc.	-	-	100	-	106	100	6	6.0%
Utilities	12	12	50	9	53	50	3	6.0%
Contractual Services	9,723	-	-	-	-	-	-	0.0%
Repair & Maintenance Services	-	-	12,000	-	12,732	12,000	732	6.1%
Employee programs	-	-	-	-	-	-	-	0.0%
Professional Development/Travel	-	-	-	-	-	-	-	0.0%
Office Supplies	-	-	-	1,884	-	-	-	0.0%
Operating Supplies	85,370	77,383	100,200	100,123	106,200	108,200	6,000	6.0%
Fuel & Mileage	-	-	-	-	-	-	-	0.0%
Supplies for Resale	-	-	-	-	-	-	-	0.0%
Machinery & Equipment (<\$25,000)	-	-	2,000	-	2,000	2,000	-	0.0%
Repair & Maintenance Supplies	2,819	4,643	15,500	17,060	15,500	15,500	-	0.0%
Operational Units	-	-	-	-	-	-	-	0.0%
Property & Liability Costs	-	-	-	-	-	-	-	0.0%
Rentals	-	-	-	-	-	-	-	0.0%
Financial Fees	-	-	-	-	-	-	-	0.0%
Permits	-	-	-	-	-	-	-	0.0%
Debt Service and Lease Payments	23,580	61,088	65,975	65,975	65,975	65,975	-	0.0%
<b>Total Operations</b>	<b>121,504</b>	<b>143,126</b>	<b>196,075</b>	<b>185,051</b>	<b>202,831</b>	<b>204,075</b>	<b>6,756</b>	<b>3.4%</b>
<b>Capital</b>								
	-	-	-	-	-	-	-	<b>0.0%</b>
<b>Total Reclaimed Water</b>	<b>121,504</b>	<b>143,126</b>	<b>196,075</b>	<b>185,051</b>	<b>202,831</b>	<b>204,075</b>	<b>6,756</b>	<b>3.4%</b>

Note: Definitions of each category can be found in the appendices.



*City of Franklin, Tennessee*  
**FY 2016-2017 Biennial Operating Budget**

Reclaimed Water

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# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Forecast

#### Section Summary

The Water & Wastewater Fund provides for a five-year forecast of future revenues and planned personnel, operating and capital expenses. This is done to ensure:

- The operations are able to keep up with ever-growing demand within and outside of the City of Franklin;
- Sufficient revenues are raised to ensure that the Water & Wastewater enterprise remains revenue neutral to taxpayers; and,
- Proper capital planning can be achieved.

The City of Franklin regularly has contracted out to industry experts to assist in the evaluation and planning of short-term and long-term rate structures and impact fees for the Water & Wastewater Fund. The last rate study was presented in July 2014 to the Board of Mayor and Aldermen. Through those cost of service studies, the BOMA has adopted a second five-year plan to annually raise rates for both water & wastewater services, 3.5% and 6.75%, respectively. This annual rate increase is designed to achieve two things:

- Ensure sufficient revenue is earned to handle all operations and capital needs (including all planned rate-funded capital, plant process improvements, and distribution and collection systems renewal); and,
- Provide for predictability for ratepayers

#### Section Goals & Strategic Initiatives

The Water & Wastewater Fund for the City of Franklin, Tennessee has two major new projects which it must plan, build and pay for in the planning horizon of this document; namely, process improvements for both the Water Treatment Plant and the Wastewater Treatment Plant. Guided by the City's new Integrated Water Resource Plan (IWRP), capital needs and resource management are carefully and thoughtfully proposed not just over the planning horizon of this document, but for future generations of Franklin residents.

While it is important to plan for the future, it is always important to remember that forecasts cannot calculate or anticipate all potential changes and needs of future residents. What is known is clear; as Franklin continues to grow and the demands of the community change, costs will not be stagnant. Costs will also gravitate upwards due to inflation pressures and fixed cost increases which are inevitable over time. The challenge is, and will be, to balance the Water and Wastewater needs of the citizens of Franklin with the ratepayers ability to pay.

The ensuing pages provide staffing forecasts, budget requests and anticipated revenue collections from FY 2018-FY 2022.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Staffing by Position

Position	Pay Grade	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
		F-T	F-T	F-T	F-T	F-T

Future needs for staffing of the Water and Wastewater Services for the City of Franklin are forecast to remain essentially unchanged, except for the addition of one Equipment Operator in Water Distribution, beginning in FY 2018.

### Water Section - Projected Personnel

#### Utility Billing

Meter Reader Sr	C	1	1	1	1	1
Meter Reader	B	2	2	2	2	2
<b>TOTALS</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>

#### Water Distribution

Service Division Superintendent	I	1	1	1	1	1
Water Distribution Assistant Superintendent	G	1	1	1	1	1
Utilities Crew Chief	E	3	3	3	3	3
Backflow Inspector	E	2	2	2	2	2
Administrative Assistant	D	1	1	1	1	1
Inventory Specialist	D	1	1	1	1	1
Equipment Operator	D	3	3	3	3	3
Utility Service Worker	C	4	4	4	4	4
<b>TOTALS</b>		<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>

#### Water Treatment Plant

Water Treatment Superintendent	H	1	1	1	1	1
Water Treatment Assistant Superintendent	G	1	1	1	1	1
Water Operator Sr	E	5	5	5	5	5
Water Operator 2	TBD	2	2	2	2	2
Administrative Assistant	D	1	1	1	1	1
Water Operator	D	3	3	3	3	3
<b>TOTALS</b>		<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>

### Water Section Totals

**32      32      32      32      32**

### WASTEWATER SECTION - Projected Personnel

#### Utility Administration

Director	L	1	1	1	1	1
Assistant Director of Operations	J	1	1	1	1	1
Assistant Director of Administration and Policy	J	1	1	1	1	1
GIS Specialist	E	1	1	1	1	1
Administrative Assistant	D	0	0	0	0	0
Administrative Secretary	B	1	1	1	1	1
Utility Inspector	F	3	3	3	3	3
Senior Utility Inspector	G	1	1	1	1	1
Office Manager	F	1	1	1	1	1
Utilities Engineer II	H	2	2	2	2	2
Grounds Worker (Seasonal)	B	2	2	2	2	2
<b>TOTALS</b>		<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>

#### Wastewater Collection

Wastewater Collection Assistant Superintendent	G	1	1	1	1	1
Construction Supervisor	TBD	1	1	1	1	1





# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Staffing by Position

Position	Pay Grade	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
		F-T	F-T	F-T	F-T	F-T

Future needs for staffing of the Water and Wastewater Services for the City of Franklin are forecast to remain essentially unchanged, except for the addition of one Equipment Operator in Water Distribution, beginning in FY 2018.

TV Truck Sewer Inspector	D	2	2	2	2	2
Maintenance Technician	E	0	0	0	0	0
Utilities Crew Chief	E	4	4	4	4	4
Equipment Operator	D	3	3	3	3	3
Sewer Equipment Technician	D	4	4	4	4	4
Utility Service Worker	C	6	6	6	6	6
<b>TOTALS</b>		<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>	<b>21</b>

#### Water Reclamation

Water Reclamation Superintendent	I	1	1	1	1	1
Assistant Water Reclamation Superintendent	G	1	1	1	1	1
Pretreatment Coordinator	F	1	1	1	1	1
Wastewater Operator Sr	E	5	5	5	5	5
Maintenance Technician	E	0	0	0	0	0
Equipment Operator	D	2	2	2	2	2
Wastewater Operator	D	8	8	8	8	8
<b>TOTALS</b>		<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>	<b>18</b>

#### Maintenance

Maintenance Supervisor	G - EST	1	1	1	1	1
Maintenance Technician	E	4	4	4	4	4
<b>TOTALS</b>		<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>

#### WASTEWATER SECTION TOTALS

**58      58      58      58      58**

#### Total All Employees, Water & Wastewater

**90      90      90      90      90**



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Forecasts

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
<b>Water</b>					
<b>Revenues</b>					
Interest Income	\$ 10,000	\$ 12,500	\$ 15,000	\$ 17,500	\$ 20,000
Rental Income	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000
Sale of Surplus Assets	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Use of Money &amp; Property</b>	<b>\$ 34,000</b>	<b>\$ 36,500</b>	<b>\$ 39,000</b>	<b>\$ 41,500</b>	<b>\$ 44,000</b>
Customer Service	\$ 10,157,310	\$ 10,612,816	\$ 10,925,072	\$ 11,243,573	\$ 11,468,445
Penalties	\$ 266,000	\$ 266,000	\$ 266,000	\$ 266,000	\$ 266,000
Service Charges	\$ 170,000	\$ 170,000	\$ 170,000	\$ 170,000	\$ 170,000
Inspection Fees	\$ 71,000	\$ 71,000	\$ 71,000	\$ 71,000	\$ 71,000
Other Service Revenue	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000
<b>Customer Service</b>	<b>\$ 10,759,310</b>	<b>\$ 11,214,816</b>	<b>\$ 11,527,072</b>	<b>\$ 11,845,573</b>	<b>\$ 12,070,445</b>
Contributions from Developer					
Installation Fee	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
<b>Capital Contributions</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>
<b>Available Funds</b>	<b>\$ 10,893,310</b>	<b>\$ 11,351,316</b>	<b>\$ 11,666,072</b>	<b>\$ 11,987,073</b>	<b>\$ 12,214,445</b>
<b>Expenses</b>					
Personnel	\$ 2,054,493	\$ 2,139,188	\$ 2,232,110	\$ 2,327,090	\$ 2,440,982
Operations	\$ 7,031,632	\$ 7,151,948	\$ 7,382,558	\$ 7,679,344	\$ 7,962,983
Capital	\$ 1,505,749	\$ 1,711,037	\$ 1,716,588	\$ 1,722,417	\$ 1,803,538
<b>Total Water</b>	<b>\$ 10,591,874</b>	<b>\$ 11,002,173</b>	<b>\$ 11,331,256</b>	<b>\$ 11,728,851</b>	<b>\$ 12,207,503</b>
<b>Surplus/(Deficit)</b>	<b>\$ 301,435</b>	<b>\$ 349,143</b>	<b>\$ 334,816</b>	<b>\$ 258,222</b>	<b>\$ 6,942</b>

\*More detail on Forecast years can be found in the Appendices Section.

### Water Forecast

The five-year forecast for Water Services maintains current service levels and rate increases. The forecast shows the generation of an annual surplus of between \$250,000 to \$350,000 through FY 2021. This amount will fund costs of the projects identified through the Integrated Water Resource Plan. The FY 2018 through FY 2022 revenues are based on revenue requirements projected during the cost of service analyses and include debt service associated with the priority water distribution projects as approved by the BOMA (starting in 2018) and debt service associated with the Water Treatment Plant Upgrade (starting in 2017). Detail on rate funded capital can be found in the Appendices section.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Forecasts

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
<b>Wastewater</b>					
<b>Revenues</b>					
Interest Income	\$ 80,000	\$ 90,000	\$ 100,000	\$ 110,000	\$ 120,000
Rental Income	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800	\$ 1,800
Sale of Surplus Assets	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Use of Money &amp; Property</b>	<b>\$ 81,800</b>	<b>\$ 91,800</b>	<b>\$ 101,800</b>	<b>\$ 111,800</b>	<b>\$ 121,800</b>
Customer Service	\$ 16,182,285	\$ 17,274,589	\$ 17,620,081	\$ 17,972,483	\$ 18,331,933
Inspection Fees	\$ 75,298	\$ 75,298	\$ 75,298	\$ 75,298	\$ 75,298
Other Service Revenue	\$ 66,115	\$ 66,115	\$ 66,115	\$ 66,115	\$ 66,115
<b>Customer Service</b>	<b>\$ 16,323,698</b>	<b>\$ 17,416,002</b>	<b>\$ 17,761,494</b>	<b>\$ 18,113,896</b>	<b>\$ 18,473,346</b>
Contributions from Developer					
Contributions Other					
Installation Fee	\$ 160,170	\$ 160,170	\$ 160,170	\$ 160,170	\$ 160,170
<b>Capital Contributions</b>	<b>\$ 160,170</b>	<b>\$ 160,170</b>	<b>\$ 160,170</b>	<b>\$ 160,170</b>	<b>\$ 160,170</b>
<b>Available Funds</b>	<b>\$ 16,565,668</b>	<b>\$ 17,667,972</b>	<b>\$ 18,023,464</b>	<b>\$ 18,385,866</b>	<b>\$ 18,755,316</b>
<b>Expenses</b>					
Personnel	\$ 3,727,611	\$ 3,838,634	\$ 3,953,037	\$ 4,070,917	\$ 4,202,588
Operations	\$ 5,955,090	\$ 6,097,493	\$ 6,200,919	\$ 6,327,614	\$ 6,471,757
Capital	\$ 4,176,417	\$ 4,441,529	\$ 4,747,072	\$ 5,074,153	\$ 5,264,948
<b>Total Wastewater</b>	<b>\$ 13,859,119</b>	<b>\$ 14,377,657</b>	<b>\$ 14,901,028</b>	<b>\$ 15,472,684</b>	<b>\$ 15,939,293</b>
<b>Surplus/(Deficit)</b>	<b>\$ 2,706,550</b>	<b>\$ 3,290,316</b>	<b>\$ 3,122,436</b>	<b>\$ 2,913,182</b>	<b>\$ 2,816,023</b>

\*More detail on Forecast years can be found in the Appendices Section.

### Wastewater Forecast

The five-year forecast for Wastewater Services maintains current service levels and rate increases. The forecast shows the generation of at least \$2.7 million annually in surplus. This amount will fund costs of the projects identified through the Integrated Water Resource Plan. The FY 2018 through FY 2022 revenues are based on revenue requirements projected during the cost of service analyses and include debt service associated with the priority water distribution projects as approved by the BOMA (starting in 2018) and debt service associated with the Wastewater Treatment Plant Upgrade (starting in 2017). Detail on rate funded capital can be found in the Appendices section.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Forecasts

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
<b>Reclaimed Water</b>					
<b>Revenues</b>					
Interest Income	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
<b>Use of Money &amp; Property</b>	<b>\$ 500</b>	<b>\$ 500</b>	<b>\$ 500</b>	<b>\$ 500</b>	<b>\$ 500</b>
Customer Service	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Penalties	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Inspection Fees	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Other Service Revenue	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
<b>Customer Service</b>	<b>\$ 202,000</b>	<b>\$ 202,000</b>	<b>\$ 202,000</b>	<b>\$ 202,000</b>	<b>\$ 202,000</b>
Instalation Fee	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
<b>Capital Contributions</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>
<b>Available Funds</b>	<b>\$ 204,500</b>	<b>\$ 204,500</b>	<b>\$ 204,500</b>	<b>\$ 204,500</b>	<b>\$ 204,500</b>
<b>Expenses</b>					
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ 206,075	\$ 209,075	\$ 212,075	\$ 148,100	\$ 150,100
Capital	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Reclaimed Water</b>	<b>\$ 206,075</b>	<b>\$ 209,075</b>	<b>\$ 212,075</b>	<b>\$ 148,100</b>	<b>\$ 150,100</b>
<b>Surplus/(Deficit)</b>	<b>\$ (1,575)</b>	<b>\$ (4,575)</b>	<b>\$ (7,575)</b>	<b>\$ 56,400</b>	<b>\$ 54,400</b>

\*More detail on Forecast years can be found in the Appendicies Section.

### Reclaimed Water Forecast

The five-year forecast for Reclaimed Water Services maintains current service levels and rates. The forecast shows small deficits in FY 2018 through FY 2020, but surpluses in FY 2021 and FY 2022.



*City of Franklin, Tennessee*  
**FY 2016-2017 Biennial Operating Budget**

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Appendices

- 
- Water Forecast Detail - FY 2018-2022
  - Wastewater Forecast Detail - FY 2018-2022
  - Reclaimed Water Forecast Detail - FY 2018-2022
  - Capital Projects Detail - FY 2018-2022
  - Chart of Accounts Definitions



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Budget

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
<b>Divisions</b>					
Water Distribution	1,805,294	1,861,299	1,923,825	1,986,466	2,048,928
Water Treatment/Plant	5,644,221	5,858,915	6,082,831	6,316,423	6,574,195
Utility Billing	189,403	194,934	200,579	206,926	216,718
Water General	2,952,956	3,087,025	3,124,021	3,219,036	3,367,662
<b>Total Water</b>	<b>10,591,874</b>	<b>11,002,173</b>	<b>11,331,256</b>	<b>11,728,851</b>	<b>12,207,503</b>
<b>Expense by Category</b>					
<b>Personnel</b>					
Salaries & Wages	1,448,251	1,490,649	1,534,258	1,579,206	1,635,324
Employee Benefits	606,242	648,539	697,852	747,884	805,658
<b>Total Personnel</b>	<b>2,054,493</b>	<b>2,139,188</b>	<b>2,232,110</b>	<b>2,327,090</b>	<b>2,440,982</b>
<b>Operations</b>					
Transportation Services	1,600	1,600	1,600	1,600	1,600
Operating Services	21,600	21,600	21,600	21,600	21,600
Notices, Subscriptions, etc.	9,750	9,750	9,750	9,750	9,750
Utilities	249,603	256,957	264,534	272,338	280,376
Contractual Services	164,125	159,125	134,125	164,125	169,125
Repair & Maintenance Services	96,000	96,000	96,000	96,000	96,000
Employee programs	7,400	7,400	7,400	7,400	7,400
Professional Development/Travel	8,900	8,900	8,900	8,900	8,900
Office Supplies	4,500	4,500	4,500	4,500	4,500
Operating Supplies	331,250	340,265	349,550	359,114	368,965
Fuel & Mileage	37,930	39,714	41,582	44,029	46,618
Supplies for Resale	4,049,510	4,211,491	4,379,950	4,555,148	4,737,354
Machinery & Equipment (<\$25,000)	68,028	70,490	73,073	75,787	78,636
Repair & Maintenance Supplies	244,300	244,300	244,300	244,300	244,300
Operational Units	1,287,431	1,226,125	1,287,431	1,351,803	1,419,393
Property & Liability Costs	83,051	87,204	91,564	96,142	100,949
Rentals	2,000	2,000	2,000	2,000	2,000
Financial Fees	16,800	16,800	16,800	16,800	16,800
Permits	38,100	38,100	38,100	38,100	38,100
Debt Service and Lease Payments	309,754	309,628	309,799	309,909	310,616
<b>Total Operations</b>	<b>7,031,632</b>	<b>7,151,948</b>	<b>7,382,558</b>	<b>7,679,344</b>	<b>7,962,983</b>
Buildings	2,431	2,553	2,680	2,814	2,955
Improvements	1,300,000	1,500,000	1,500,000	1,500,000	1,575,000
Machinery & Equipment (>\$25,000)	203,318	208,484	213,908	219,603	225,584
<b>Capital</b>	<b>1,505,749</b>	<b>1,711,037</b>	<b>1,716,588</b>	<b>1,722,417</b>	<b>1,803,538</b>
<b>Total Water Forecast</b>	<b>10,591,874</b>	<b>11,002,173</b>	<b>11,331,256</b>	<b>11,728,851</b>	<b>12,207,503</b>



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Budget

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
<b>Divisions</b>					
Wastewater Collection	2,425,882	2,496,657	2,569,971	2,645,930	2,739,245
Wastewater Plant	4,440,514	4,594,033	4,753,533	4,919,252	5,084,932
Utility Administration	1,012,808	1,063,372	1,074,216	1,106,370	1,139,538
Wastewater General	5,929,351	6,212,751	6,471,154	6,767,964	6,950,905
<b>Total Water</b>	<b>13,808,554</b>	<b>14,366,813</b>	<b>14,868,874</b>	<b>15,439,517</b>	<b>15,914,620</b>
<b>Expense by Category</b>					
<b>Personnel</b>					
Salaries & Wages	2,691,099	2,770,122	2,851,516	2,935,352	3,007,311
Employee Benefits	1,036,512	1,068,512	1,101,521	1,135,565	1,195,277
<b>Total Personnel</b>	<b>3,727,611</b>	<b>3,838,634</b>	<b>3,953,037</b>	<b>4,070,917</b>	<b>4,202,588</b>
<b>Operations</b>					
Transportation Services	3,500	3,500	3,500	3,500	3,500
Operating Services	422,505	443,342	465,222	488,195	512,317
Notices, Subscriptions, etc.	16,600	16,600	16,600	16,600	16,600
Utilities	1,543,145	1,589,746	1,637,734	1,687,167	1,738,077
Contractual Services	316,000	323,250	306,500	308,750	309,000
Repair & Maintenance Services	238,000	238,000	238,000	238,000	238,000
Employee programs	4,750	4,750	4,750	4,750	4,750
Professional Development/Travel	19,500	19,500	19,500	19,500	19,500
Office Supplies	7,150	7,150	7,150	7,150	7,150
Operating Supplies	292,964	300,339	307,937	315,762	323,822
Fuel & Mileage	130,060	135,252	140,663	146,305	152,187
Supplies for Resale	2	3	4	5	6
Machinery & Equipment (<\$25,000)	120,596	126,596	132,896	139,511	146,456
Repair & Maintenance Supplies	151,000	151,000	151,000	151,000	151,000
Operational Units	1,144,384	1,201,603	1,261,683	1,324,767	1,391,006
Property & Liability Costs	138,951	145,898	153,192	160,851	168,892
Rentals	3,500	3,500	3,500	3,500	3,500
Financial Fees	45,000	45,000	45,000	45,000	45,000
Permits	17,000	17,000	17,000	17,000	17,000
Debt Service and Lease Payments	1,340,485	1,325,467	1,289,092	1,250,307	1,224,002
<b>Total Operations</b>	<b>5,955,092</b>	<b>6,097,496</b>	<b>6,200,923</b>	<b>6,327,619</b>	<b>6,471,763</b>
Buildings	1,823	1,914	2,010	2,111	2,216
Improvements	3,105,742	3,338,673	3,589,073	3,858,254	4,000,000
Machinery & Equipment (>\$25,000)	1,068,852	1,100,942	1,155,989	1,213,789	1,262,732
<b>Capital</b>	<b>4,176,417</b>	<b>4,441,529</b>	<b>4,747,072</b>	<b>5,074,153</b>	<b>5,264,948</b>
<b>Total Wastewater</b>	<b>13,859,121</b>	<b>14,377,660</b>	<b>14,901,032</b>	<b>15,472,689</b>	<b>15,939,299</b>



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Budget

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
<b>Personnel</b>					
Salaries & Wages					
Employee Benefits					
<b>Total Personnel</b>	-	-	-	-	-
<b>Operations</b>					
Transportation Services	250	250	250	250	250
Operating Services	-	-	-	-	-
Notices, Subscriptions, etc.	100	100	100	100	100
Utilities	50	50	50	50	50
Contractual Services	-	-	-	-	-
Repair & Maintenance Services	12,000	12,000	12,000	12,000	12,000
Employee programs	-	-	-	-	-
Professional Development/Travel	-	-	-	-	-
Office Supplies	-	-	-	-	-
Operating Supplies	110,200	113,200	116,200	118,200	120,200
Fuel & Mileage	-	-	-	-	-
Supplies for Resale	-	-	-	-	-
Machinery & Equipment (<\$25,000)	2,000	2,000	2,000	2,000	2,000
Repair & Maintenance Supplies	15,500	15,500	15,500	15,500	15,500
Operational Units	-	-	-	-	-
Property & Liability Costs	-	-	-	-	-
Rentals	-	-	-	-	-
Financial Fees	-	-	-	-	-
Permits	-	-	-	-	-
Debt Service and Lease Payments	65,975	65,975	65,975	-	-
<b>Total Operations</b>	<b>206,075</b>	<b>209,075</b>	<b>212,075</b>	<b>148,100</b>	<b>150,100</b>
<b>Capital</b>	-	-	-	-	-
<b>Total Reclaimed Water</b>	<b>206,075</b>	<b>209,075</b>	<b>212,075</b>	<b>148,100</b>	<b>150,100</b>





# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Capital

The lists below detail the proposed rate funded capital projects for the Water & Wastewater Fund. These projects, and the order they are proposed in, stem from the City's Integrated Water Resource Plan and are based on operational need for renewal. Projects identified herein are subject to change as infrastructure demands, needs or change. Additional Capital investment, namely process improvements for the respective Water & Wastewater treatment plants, is not shown on these lists and should be considered in addition to the cost totals shown below.

WATER SECTION CIPs	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Project Cost
Adams Street Water Line Replacement	\$ -	\$ 30,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 280,000
Advanced Metering Infrastructure	\$ 252,450	\$ 553,100	\$ 553,100	\$ 476,915	\$ -	\$ -	\$ -	\$ 1,835,565
Alicia Drive Water Line Replacement; Battle Avenue to	\$ -	\$ -	\$ -	\$ -	\$ 61,000	\$ -	\$ -	\$ 61,000
Figuers Water Line Battle Avenue Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ 625,000	\$ -	\$ -	\$ 625,000
Bobby Drive Water Line; 4,200 LF 6"	\$ 45,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 515,000
Buckworth Water Line Church Street; Water Line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 56,000	\$ -	\$ 56,000
Upgrade (6") from 3rd Ave to 5th Avenue	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
East View Circle; Entire Water Line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000
Forrest Street Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000
Fourth Avenue South; South Margin to End of Street to Berry Circle	\$ -	\$ -	\$ 170,000	\$ -	\$ -	\$ -	\$ -	\$ 170,000
Gist Street Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000
Glass Lane Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ -	\$ -	\$ 175,000
James and Avondale Water	\$ 530,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 540,000
Lee Drive Water Line Rehabilitation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,000	\$ -	\$ 19,000
Lewisburg Pike Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000
Liberty Pike Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000
Manley Lane Dead End Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000
Morningside Drive Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ 150,000
Murfreesboro Road; South Margin to Ralston Lane; Water Line	\$ -	\$ -	\$ -	\$ 870,000	\$ -	\$ -	\$ -	\$ 870,000
Replacement Old Carters Creek Pike; Downs Boulevard to Approximately	\$ 463,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 480,000
Incinerator Road	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000
Old Hillsboro Road Water Line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,000	\$ -	\$ 105,000
Scruggs Avenue; Entire Length Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
South Margin; 1st Ave to 5th Ave; Water	\$ -	\$ -	\$ 265,000	\$ -	\$ -	\$ -	\$ -	\$ 265,000
Thompson Alley Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ -	\$ 175,000
Water Line Replacement 96W from 11th Avenue to Glass Lane	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
West End Circle Water Line Replacement (East 2" Line);	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Remove 2" Cross Country West Main Street Water	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 3,600,000
Rate Funded Capital Budget - Unassigned	\$ 9,550	\$ 161,900	\$ 61,900	\$ 153,085	\$ 239,000	\$ 145,000	\$ 1,000,000	\$ 1,770,435
<b>PLANNED RENEWAL TOTAL</b>	<b>\$ 1,300,000</b>	<b>\$ 1,300,000</b>	<b>\$ 1,300,000</b>	<b>\$ 1,500,000</b>	<b>\$ 1,500,000</b>	<b>\$ 1,500,000</b>	<b>\$ 1,575,000</b>	<b>\$ 13,257,000</b>



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Capital

The lists below detail the proposed rate funded capital projects for the Water & Wastewater Fund. These projects, and the order they are proposed in, stem from the City's Integrated Water Resource Plan and are based on operational need for renewal. Projects identified herein are subject to change as infrastructure demands, needs or change. Additional Capital investment, namely process improvements for the respective Water & Wastewater treatment plants, is not shown on these lists and should be considered in addition to the cost totals shown below.

WASTEWATER SECTION CIPs	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Project Cost
96W Sanitary Sewer Rehab	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Adams Street Sanitary Sewer Replacement	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000
Berry Circle Sanitary Sewer Lining	\$ -	\$ -	\$ 33,000	\$ -	\$ -	\$ -	\$ -	\$ 33,000
Buckworth Sanitary Sewer Relining	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,000	\$ -	\$ 53,000
Church Street; Sanitary Sewer Replacement from 3rd Ave to 5th Avenue	\$ -	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Curd Branch and Watson Branch Interceptor Sewer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115,000
East View Circle Sanitary Sewer; Northern Leg	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Evans Street Sanitary Sewer; East Fowlkes to 5th Avenue Sanitary Sewer Line Replacement	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Fieldstone Farms Pump Station No 1 Rehab	\$ 1,194,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,818,848
Forrest Crossing No. 1 Pump Station Rehabilitation	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000
Forrest Street Sanitary Sewer Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ 66,000	\$ -	\$ -	\$ 66,000
Frazier Drive Rehab	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Holiday Court Pump Station Rehabilitation	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000
James and Avondale Sanitary Sewer	\$ 685,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 695,000
Johnson Elementary School Sanitary Sewer Line Replacement	\$ -	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000
North Petway Sewer Improvements	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Sanitary Sewer Line Replacement on West Fowlkes Street	\$ -	\$ -	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ 225,000
Sanitary Sewer Replacement Behind New Hope Academy	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Sanitary Sewer Replacement Between Strahl Street and West Fowlkes Street	\$ -	\$ -	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ 275,000
Sanitary Sewer Replacement South Margin; 1st Ave to 5th Ave;	\$ -	\$ 235,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 235,000
Sanitary Sewer South Prong Sanitary Sewer Upgrade	\$ -	\$ -	\$ -	\$ -	\$ 3,100,000	\$ -	\$ -	\$ 3,100,000
South Royal Oaks Forcemain Replacement	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Spencer Creek at Franklin Road Sewer	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 590,000
Water Reclamation Facility Access Road	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
West Main Street Sanitary Sewer	\$ -	\$ 500,000	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 4,500,000
Rate Funded Capital Budget - Unassigned	\$ 53,500	\$ 174,063	\$ 262,742	\$ 1,338,673	\$ 423,073	\$ 3,805,254	\$ 4,000,000	\$ 10,057,305
<b>PLANNED RENEWAL TOTAL</b>	<b>\$ 2,687,500</b>	<b>\$ 2,889,063</b>	<b>\$ 3,105,742</b>	<b>\$ 3,338,673</b>	<b>\$ 3,589,073</b>	<b>\$ 3,858,254</b>	<b>\$ 4,000,000</b>	<b>\$ 23,468,305</b>



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Appendix – Chart of Account Definitions

The budget is presented in a format showing expenditure classifications within the three (3) major categories: Personnel, Operations, and Capital. The following classifications are an abbreviated list of the City’s complete Chart of Accounts. Further detail is available from the City’s Finance Office. These categories provide definitions of the classifications used within departmental and divisional budgets within each fund.

#### The classifications budgeted under Personnel are:

**81100 SALARIES & WAGES**

Amounts paid to both permanent and temporary City employees, including personnel substituting for those in permanent positions. This category includes gross salary for personal services rendered while on the payroll of the City.

**81400 EMPLOYEE BENEFITS**

Amounts paid by the City on behalf of employees; these amounts are not included in the gross salary, but are in addition to that amount. Such payments are fringe benefit payments and, although not paid directly to employees, are part of the cost of personal services.

#### The classifications budgeted under Operations are:

**82100 TRANSPORTATION CHARGES**

Charges for transport services needed for City operations

**82200 OPERATING SERVICES**

Services necessary for the ongoing operations of the City.

**82300 NOTICES, SUBSCRIPTIONS, PUBLICITY**

Costs incurred by City for public notices, dues and subscriptions, promotion, elections, and surveys.

**82400 UTILITIES**

Expenditures for energy, including gas, oil, coal, gasoline, and services received from public or private utility companies.

**82500 CONTRACTUAL SERVICES**

Amounts paid for services rendered by organizations or personnel not on the payroll of the City. Although a product may or may not result from the transaction, the primary reason for the purchase is the service provided.

**82600 REPAIR & MAINTENANCE SERVICES**

Expenditures for repair and Maintenance services not provided directly by City personnel.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Appendix – Chart of Account Definitions

- 82700 EMPLOYEE PROGRAMS**  
Primarily administered by Human Resources, these are programs established for employee development.
- 82800 PROFESSIONAL DEVELOPMENT / TRAVEL**  
Expenditures for transportation, meals, hotel, and other expenses associated with staff travel for the City. Payments for per diem in lieu of reimbursements for subsistence (room and board) also are charged here.
- 83100 OFFICE SUPPLIES**  
Costs incurred for various office supplies, décor items, benevolence items, and business meals and refreshments.
- 83200 OPERATING SUPPLIES**  
Amounts paid for items that are consumed or deteriorated through use or that lose their identity through fabrication or incorporation into different or more complex units or substances.
- 83300 FUEL & MILEAGE (NON-TRAVEL)**  
Costs of operating vehicles on duty.
- 83400 SUPPLIES PURCHASED FOR RESALE**  
Supplies purchased for use in providing City services. In the case of Water & Sewer, this includes water purchased from the Harpeth Valley Utility District.
- 83500 EQUIPMENT (<\$25,000)**  
Equipment used with an item cost under \$25,000. To distinguish from supplies, equipment usually has a power source: electrical, battery, fuel, etc.
- 83600 REPAIR & MAINTENANCE PARTS & SUPPLIES**  
Expenditures for supplies for repair and maintenance services provided directly by City personnel.
- 84000 OPERATIONAL UNITS**  
Costs incurred by departments for specific operational units or activities. In the case of Water & Wastewater, this includes Interfund Transfers to the General Fund (transfers for administrative services provided by the General fund for administration, finance, human resources, etc.)
- 85100 PROPERTY & LIABILITY COSTS**  
Property and liability costs.
- 85200 RENTALS**  
Costs for renting or leasing land, buildings, equipment, and vehicles.



# City of Franklin, Tennessee

## FY 2016-2017 Biennial Operating Budget

### Appendix – Chart of Account Definitions

**85300 PERMITS & FEES**  
Costs incurred by City for necessary permits and fees.

**85500 FINANCIAL FEES**  
Costs incurred related to financial operations.

**85900 OTHER BUSINESS EXPENSES**  
Business-related expenditures not classified elsewhere.

**86000 DEBT SERVICE**  
Costs incurred by City for outstanding debt.

#### The expenditure classifications budgeted under Capital are:

**89100 LAND**  
This includes cost for land and easements acquired for Capital projects.

**89200 BUILDINGS**  
Includes costs for buildings acquired, building design & construction and various building improvements greater than \$25,000 that adds new capacity to a existing building or extends the estimated useful life of an existing building.

**89300 IMPROVEMENTS**  
Expenditures for acquiring improvements not associated with buildings (such as Parks & Recreation Facilities & Distribution Systems)

**89400 INFRASTRUCTURE**  
Includes costs of improving drainage, streets, adding, improving, and replacing curb and gutter, adding or improving gateway enhancement and streetscape, improving bridges and tunnels, adding or improving sidewalks, acquiring and installing traffic signals and installing or improving streetlights.

**89500 MACHINERY & EQUIPMENT (>\$25,000)**  
Expenditures for the initial, additional and replacement items of equipment such as machinery, furniture and fixtures, and vehicles.



HISTORIC  
**FRANKLIN**  
TENNESSEE