



City of Franklin, Tennessee

FY 2019 Operating Budget

Water Management

	2016 Actual	2017 Actual	2018		2019 Budget	2018 v. 2019	
			Budget	Estimated		\$	%
Beginning Balance*	18,470,570	26,107,566	31,837,314	31,837,314	30,926,989		
Revenues	27,467,913	29,341,540	29,870,330	30,286,000	32,853,492	2,983,162	10.0%
Expenses							
Personnel	5,307,251	5,755,052	6,457,932	6,219,857	7,000,234	542,302	8.4%
Operations	13,234,578	14,166,436	13,605,231	16,369,726	15,114,800	1,509,569	11.1%
Capital	1,289,088	3,690,304	5,677,000	8,606,743	6,272,850	595,850	10.5%
Expenses	19,830,917	23,611,792	25,740,163	31,196,326	28,387,884	2,647,721	10.3%
Ending Balance*	26,107,566	31,837,314	35,967,481	30,926,989	35,392,597		

Budget Summary - By Division

	2016 Actual	2017 Actual	2018		2019 Budget	2018 v. 2019	
			Budget	Estimated		\$	%
Beginning Balance*	18,470,570	26,107,566	31,837,314	31,837,314	30,926,989		
Revenues	27,467,913	29,341,540	29,870,330	30,286,000	32,853,492	2,983,162	10.0%
Expenses							
Water	9,824,642	11,237,999	11,508,400	11,403,688	12,842,758	1,334,358	11.6%
Wastewater	9,923,161	12,188,233	14,025,688	19,563,438	15,153,401	1,127,713	8.0%
Reclaimed	83,114	185,560	206,075	229,200	391,725	185,650	90.1%
Expenses	19,830,917	23,611,792	25,740,163	31,196,326	28,387,884	2,647,721	10.3%
Ending Balance*	26,107,566	31,837,314	35,967,481	30,926,989	35,392,597		

*Beginning and Ending Balance representative of the cash basis of the Enterprise Fund. Does not include accrual of fixed assets.

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 2019 Operating Budget

Water Management

Departmental Summary (con't)

The 2018 and 2019 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:

Division	Section
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.

Forecasts for the Water & Wastewater functions, both operations and capital, can be found in Appendix I.



City of Franklin, Tennessee

FY 2019 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

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]

Key:	Strategic Plan: FranklinForward	
	Sustainable Franklin	
	Tennessee Municipal Benchmarking Project	
	2016 Franklin Citizens Survey	

Workload (Output) Measures

		2015	2016	2017	2018*	2019*
	Water Production (in MGD) - Average	1.60	1.21	0.68	1.40	1.40
	Water Production (in MGD) - Maximum	2.66	2.35	1.90	2.50	2.50

Efficiency Measures

		2015	2016	2017	2018*	2019*
	TBD					

Outcome (Effectiveness) Measures



City of Franklin, Tennessee

FY 2019 Operating Budget

Performance Measures

		2015	2016	2017	2018*	2019*
	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	\$ 1,293,381	\$ 1,568,533	\$ 1,502,802	\$ 1,510,520	\$ 1,627,962
	Target (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
	Meets Target?	Yes	No	Yes	TBD	TBD
	Unaccounted water within the system decreases	16%	16%	16%	16%	16%
	Target (20.8% unaccounted for in FY 2012)	20.8%	20.8%	20.8%	20.8%	20.8%
	Meets Target?	Yes	Yes	Yes	TBD	TBD
	Sanitary score remains or improves	TBD	TBD	99	TBD	TBD
	Target (97 from FY 2012)	97	97	97	97	97
	Meets Target?	Yes	Yes	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
	Target (TN Dept. of Environment & Conservation monitoring requirements and regulatory standards.)	0	0	0	0	0
	Meets Target?	Yes	Yes	Yes	TBD	TBD
	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.)	11.0%	12.0%	20.0%	20.0%	20.0%
	Target	11.0%	12.0%	15.0%	15.0%	15.0%
	Meets Target?	Yes	Yes	Yes	TBD	TBD
	Baseline: Adopted Strategic Schedule for each of the 5-year increments. (2013).					
	Franklin Status	Adopted	Adopted	Adopted	Adopted	Adopted
	Target (Adopted?)	Adopted	Adopted	Adopted	Adopted	Adopted
	Meets Target?	Yes	Yes	Yes	TBD	TBD
	Franklin will achieve platinum status within the TVA sustainable Communities Program.					
	Franklin status	Gold	Platinum	Platinum	TBD	TBD
	Target (Platinum)	Platinum	Platinum	Platinum	Platinum	Platinum
	Meets Target?	No	Yes	Yes	TBD	TBD

*2018 and 2019 are estimates

Franklin Citizens Survey

(Fall 2016)

		Excellent	Good	Fair	Poor
<input checked="" type="checkbox"/>	% rating the quality of Drinking water	27%	46%	17%	10%
<input checked="" type="checkbox"/>	% rating the quality of Sewer services	32%	56%	10%	1%

City of Franklin Water Management
FY 2018 – FY 2019 Biennial Budget



City of Franklin, Tennessee

FY 2019 Operating Budget

Staffing by Position

Position	Pay Grade	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
		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
TOTALS		3	3	3	3	3

Water Distribution						
Service Division Superintendent	I	1	1	1	1	1
Service Division Assistant Superintendent	H	0	0	0	1	1
Water Distribution Assistant Superintendent	G	1	1	1	0	0
Utilities Crew Chief	F	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	3	3	3
Utility Locate Technician	D	0	0	2	2	2
Utility Service Worker	C	4	4	4	4	4
Administrative Secretary	B	0	0	0	1	1
TOTALS		15	15	18	19	19

Water Treatment Plant						
Water Treatment Superintendent	I	1	1	1	1	1
Water Treatment Assistant Superintendent	H	1	1	1	1	1
Water Operator Sr	E	5	5	5	5	5
Water Operator 2	---	2	2	0	0	0
Administrative Assistant	D	1	1	1	1	1
Water Operator	D	3	3	5	5	5
TOTALS		13	13	13	13	13

Water Section Totals		31	31	34	35	35
-----------------------------	--	-----------	-----------	-----------	-----------	-----------

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	F	1	1	1	1	1
Administrative Assistant	D	0	0	1	1	1
Administrative Secretary	B	1	1	0	0	0
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	1	1	2	2	2
Grounds Worker	B	2	2	2	2	2
TOTALS		13	13	14	14	14

Wastewater Collection						
Service Division Assistant Superintendent	H	0	0	0	1	1
Wastewater Collection Assistant Superintendent	G	1	1	1	0	0
Construction Supervisor	F	1	1	1	1	1



City of Franklin, Tennessee

FY 2019 Operating Budget

Staffing by Position

Position	Pay Grade	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
		F-T	F-T	F-T	F-T	F-T
TV Truck Sewer Inspector	E	2	2	2	2	2
Maintenance Technician	E	4	4	4	4	4
Utilities Crew Chief	F	3	3	3	3	3
Equipment Operator	D	2	3	3	4	4
Sewer Equipment Technician	D	4	4	4	4	4
Utility Locate Technician	D	0	0	2	2	2
Utility Service Worker	C	5	5	5	5	5
TOTALS		22	23	25	26	26

Water Reclamation						
Water Reclamation Superintendent	I	1	1	1	1	1
Assistant Water Reclamation Superintendent	H	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	1	1	1	1	1
Equipment Operator	D	2	2	2	2	2
Wastewater Operator	D	8	8	8	8	8
TOTALS		19	19	19	19	19

WASTEWATER SECTION TOTALS	54	55	58	59	59
----------------------------------	-----------	-----------	-----------	-----------	-----------

Total All Employees, Water & Wastewater	85	86	92	94	94
--	-----------	-----------	-----------	-----------	-----------



City of Franklin, Tennessee

FY 2019 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 (E-C)</u>	<u>G (E/C)</u>
	Actual	Actual	Budget	Estd	Budget	Difference	
	2016	2017	2018	2018	2019	\$	%
Personnel							
Salaries & Wages	3,653,202	3,995,029	4,450,127	4,126,278	4,768,248	318,121	7.1%
Employee Benefits	1,654,049	1,760,023	2,007,805	2,093,579	2,231,986	224,181	11.2%
Total Personnel	5,307,251	5,755,052	6,457,932	6,219,857	7,000,234	542,302	8.4%
Operations							
Transportation Services	13,848	8,360	8,275	8,368	8,225	(50)	-0.6%
Operating Services	458,877	488,692	487,360	505,835	510,150	22,790	4.7%
Notices, Subscriptions, etc.	21,652	14,221	30,350	26,350	29,850	(500)	-1.6%
Utilities	1,568,533	1,502,802	1,508,321	1,510,520	1,627,962	119,641	7.9%
Contractual Services	969,024	568,945	535,625	2,334,125	1,097,425	561,800	104.9%
Repair & Maintenance Services	372,650	313,590	349,500	404,082	418,500	69,000	19.7%
Employee programs	10,720	8,682	11,950	11,977	12,300	350	2.9%
Professional Development/Travel	20,936	15,744	29,800	21,624	28,450	(1,350)	-4.5%
Office Supplies	14,748	11,094	11,050	9,550	10,950	(100)	-0.9%
Operating Supplies	765,271	692,551	719,600	715,600	731,200	11,600	1.6%
Fuel & Mileage	83,271	86,645	106,875	109,276	125,176	18,301	17.1%
Supplies for Resale	3,914,616	4,696,834	4,050,000	4,776,514	4,375,000	325,000	8.0%
Machinery & Equipment (<\$25,000)	111,853	263,168	235,824	205,325	227,250	(8,574)	-3.6%
Repair & Maintenance Supplies	729,245	1,131,593	445,200	467,415	453,500	8,300	1.9%
Operational Units	2,205,728	2,313,762	2,382,613	2,383,596	2,455,104	72,491	3.0%
Property & Liability Costs	227,116	331,886	248,795	387,575	350,427	101,631	40.8%
Rentals	21,385	6,069	5,500	5,505	5,500	-	0.0%
Financial Fees	33,376	35,031	60,050	86,036	60,050	-	0.0%
Permits	76,391	32,927	55,100	56,295	54,500	(600)	-1.1%
Debt Service and Lease Payments	1,615,338	1,643,840	2,323,443	2,344,159	2,533,281	209,838	9.0%
Total Operations	13,234,578	14,166,436	13,605,231	16,369,726	15,114,800	1,509,569	11.1%
Buildings	-	600,000	-	396,263	-	-	0.0%
Improvements	1,082,604	2,790,304	4,700,000	7,006,680	5,427,850	727,850	15.5%
Machinery & Equipment (>\$25,000)	206,484	300,000	977,000	1,203,800	845,000	(132,000)	-13.5%
Capital	1,289,088	3,690,304	5,677,000	8,606,743	6,272,850	595,850	10.5%
Total Water & Wastewater Func	19,830,917	23,611,792	25,740,163	31,196,326	28,387,884	2,647,721	10.3%



City of Franklin, Tennessee

FY 2019-2020 Biennial Operating Budget

Biennial 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 (F-E)</u>	<u>G (F/E-1)</u>
	Actual	Actual	Budget	Estd	Budget	Budget	Difference	
	2016	2017	2018	2018	2019	2020	\$	%
Personnel								
Salaries & Wages	3,653,202	3,995,029	4,450,127	4,126,278	4,768,248	4,938,702	170,454	3.6%
Employee Benefits	1,654,049	1,760,023	2,007,805	2,093,579	2,231,986	2,394,449	162,463	7.3%
Total Personnel	5,307,251	5,755,052	6,457,932	6,219,857	7,000,234	7,333,151	332,917	4.8%
Operations								
Transportation Services	13,848	8,360	8,275	8,368	8,225	8,325	100	1.2%
Operating Services	458,877	488,692	487,360	505,835	510,150	520,400	10,250	2.0%
Notices, Subscriptions, etc.	21,652	14,221	30,350	26,350	29,850	29,850	-	0.0%
Utilities	1,568,533	1,502,802	1,508,321	1,510,520	1,627,962	1,657,912	29,949	1.8%
Contractual Services	969,024	568,945	535,625	2,334,125	1,097,425	683,250	(414,175)	-37.7%
Repair & Maintenance Services	372,650	313,590	349,500	404,082	418,500	421,000	2,500	0.6%
Employee programs	10,720	8,682	11,950	11,977	12,300	12,300	-	0.0%
Professional Development/Travel	20,936	15,744	29,800	21,624	28,450	28,450	-	0.0%
Office Supplies	14,748	11,094	11,050	9,550	10,950	11,150	200	1.8%
Operating Supplies	765,271	692,551	719,600	715,600	731,200	742,800	11,600	1.6%
Fuel & Mileage	83,271	86,645	106,875	109,276	125,176	129,953	4,776	3.8%
Supplies for Resale	3,914,616	4,696,834	4,050,000	4,776,514	4,375,000	4,375,001	1	0.0%
Machinery & Equipment (<\$25,000)	111,853	263,168	235,824	205,325	227,250	222,050	(5,200)	-2.3%
Repair & Maintenance Supplies	729,245	1,131,593	445,200	467,415	453,500	460,500	7,000	1.5%
Operational Units	2,205,728	2,313,762	2,382,613	2,383,596	2,455,104	2,517,198	62,094	2.5%
Property & Liability Costs	227,116	331,886	248,795	387,575	350,427	365,445	15,019	4.3%
Rentals	21,385	6,069	5,500	5,505	5,500	5,650	150	2.7%
Financial Fees	33,376	35,031	60,050	86,036	60,050	60,050	-	0.0%
Permits	76,391	32,927	55,100	56,295	54,500	52,500	(2,000)	-3.7%
Debt Service and Lease Payments	1,615,338	1,643,840	2,323,443	2,344,159	2,533,281	2,473,184	(60,097)	-2.4%
Total Operations	13,234,578	14,166,436	13,605,231	16,369,726	15,114,800	14,776,967	(337,833)	-2.2%
Buildings	-	600,000	-	396,263	-	-	-	0.0%
Improvements	1,082,604	2,790,304	4,700,000	7,006,680	5,427,850	5,583,500	155,650	2.9%
Machinery & Equipment (>\$25,000)	206,484	300,000	977,000	1,203,800	845,000	170,000	(675,000)	-79.9%
Capital	1,289,088	3,690,304	5,677,000	8,606,743	6,272,850	5,753,500	(519,350)	-8.3%
Total Water & Wastewater Fund	19,830,917	23,611,792	25,740,163	31,196,326	28,387,884	27,863,618	(524,265)	-1.8%



City of Franklin, Tennessee **FY 2019 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 280 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. Contract start for the upgrades was October 26, 2015 with substantial completion scheduled for April 2018.

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.

The Water Distribution team continues to perform leak detection services. In FY 2017 leak detection surveys were performed on 86.3 miles of the system. The surveys identified 35 leaks with an estimated loss of approximately 12,000,000 gallons per year. Included in the FY 2018 enhancements is equipment to perform these surveys in-house. This equipment is anticipated to be purchased in April 2018 and will allow staff to improve the efficiency and flexibility in how surveys are performed in the future.



City of Franklin, Tennessee

FY 2019 Operating Budget

Water Budget

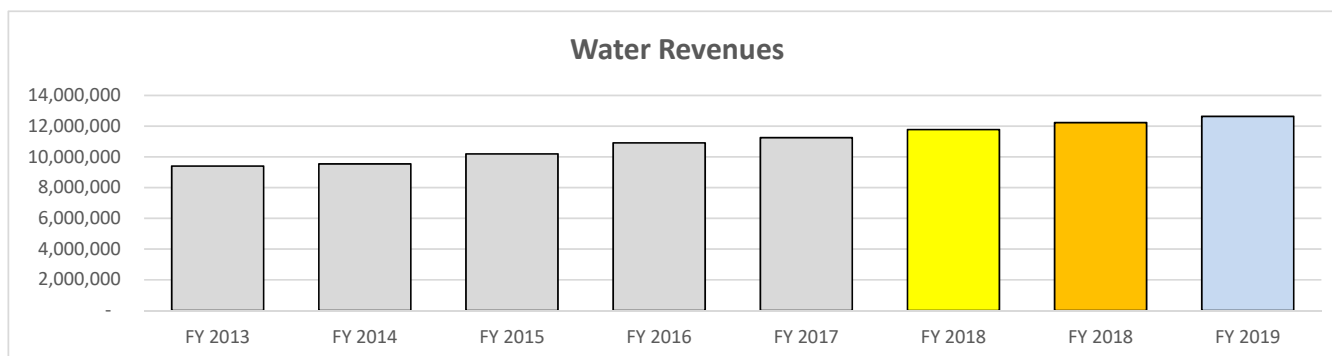
Consumption

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, however this average volume appears to be stabilizing over the last few years. The table below presents the account information and consumption values (residential and commercial totals) from FY 2012 through FY 2017. It is important to note that in 2016 the City updated the method by which it calculates customers to more accurately count each customer of each individual division of the system. This methodology was applied to the information presented below and may differ from prior information.

Year	Annual Total (Million Gallons)	Monthly Average - Residential and Commercial (Gallons)
FY 12	1,627	8,048
FY 13	1,599	7,827
FY 14	1,486	7,164
FY 15	1,548	7,338
FY 16	1,574	7,414
FY 17	1,505	7,160

Revenues

Rate based revenues for FY 2019 are projected to be at approximately 103.5% of the 2018 estimated receipts. The tables below present historic revenue by category FY 2013-FY 2017, estimated for the budgeted and projected revenues for FY 2018 and the projected revenues for FY 2019.



	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Estd	FY 2019 Budget
Intergovernmental	(484)	-	-	-	-	-	-	-
Interest Income	16,193	7,002	4,924	10,735	11,032	12,500	32,906	13,778
Rental Income	21,800	24,000	24,000	24,000	24,000	24,000	24,000	24,000
Sale of Surplus Assets	1,660	33,277	-	11,432	54,960	-	10,348	-
Customer Service (Rates)	9,182,126	9,293,143	9,987,026	10,716,426	11,006,147	11,582,574	12,005,814	12,442,642
Inspection Fees	73,444	72,422	83,765	61,100	78,595	60,000	60,000	60,000
Other Service Revenue	105,329	109,136	90,459	84,615	70,550	95,000	95,000	95,000
Total Water Revenues*	9,400,068	9,538,980	10,190,174	10,908,308	11,245,284	11,774,074	12,228,068	12,635,420

*Total revenues less those received for Capital Contributions and accounted for elsewhere within the Water & Wastewater Fund.



City of Franklin, Tennessee

FY 2019 Operating Budget

Water Budget

Budget Summary

Personnel – The Water Management Department is not requesting any additional water treatment or water distribution division staff this fiscal year

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, construction, and water resource conservation efforts. It is important to note that the facility is undergoing a significant construction project which does require occasional shut downs to perform certain work. The expenditure for FY 2018 is approximately \$4,700,000.

Indirect expenses also is a large expense item in the Water Section. These expenses include the interfund reimbursement to 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 \$210,000 for FY 2017. 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. The Water Section continues to evaluate energy needs and practices to reduce electrical consumption. The high service pumps and the raw water pumps will be replaced during the upgrade project at the Water Treatment Plant.

Operations Capital – Operations Capital expenditures are related to equipment and vehicles directly related to operations versus system replacement or expansion. In previous years 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. Due to budgeting requirements, the approach has been modified to be consistent with other City departments, however this practice will continue to be used during rate analyses to ensure long terms costs are captured. Enhancement requests have been provided and are largely related to replacement of existing equipment. The only new equipment requested is an vehicle for an additional utilities inspector.

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 which is currently being constructed and several distribution projects. The distribution projects are renewal of existing infrastructure which include upgrades to the water lines in Old Carters Creek Pike, Bobby Drive in the Grassland Community, and Franklin Road from downtown to Harlinsdale.

A key project to both water and wastewater systems is the supervisory control and data acquisition (SCADA) project. This project touches over 40 facilities in both the water and wastewater systems and will provide necessary data and remote operations capabilities to the department. The system is anticipated to be online in the Spring 2018.



City of Franklin, Tennessee

FY 2019 Operating Budget

Budget

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F (E-C)</u>	<u>G (E/C)</u>
	Actual	Actual	Budget	Estd	Budget	Difference '18 v. '19	
	2016	2017	2018	2018	2019	\$	%
Divisions							
Water Distribution	1,667,539	2,082,477	2,101,415	2,158,310	2,066,316	(35,099)	-1.7%
Water Treatment/Plant	5,537,005	6,177,219	5,643,579	6,346,546	6,068,155	424,575	7.5%
Utility Billing	153,208	186,884	164,813	162,231	201,004	36,191	22.0%
Water General	2,466,890	2,791,419	3,598,593	2,736,601	4,507,283	908,690	25.3%
Total Water	9,824,642	11,237,999	11,508,402	11,403,688	12,842,757	1,334,355	11.6%
Expense by Category							
Personnel							
Salaries & Wages	1,293,385	1,455,559	1,565,781	1,498,289	1,681,402	115,621	7.4%
Employee Benefits	601,678	699,791	750,458	817,184	859,301	108,843	14.5%
Total Personnel	1,895,063	2,155,350	2,316,239	2,315,473	2,540,704	224,465	9.7%
Operations							
Transportation Services	4,262	3,309	3,175	2,868	3,075	(100)	-3.1%
Operating Services	28,359	33,711	26,600	28,358	28,400	1,800	6.8%
Notices, Subscriptions, etc.	5,607	3,708	13,450	10,250	13,450	-	0.0%
Utilities	233,616	222,476	213,550	211,384	223,025	9,475	4.4%
Contractual Services	69,490	38,166	175,125	105,125	167,125	(8,000)	-4.6%
Repair & Maintenance Services	116,875	64,887	98,200	58,992	100,500	2,300	2.3%
Employee programs	2,199	3,725	7,200	7,227	7,200	-	0.0%
Professional Development/Travel	8,212	3,069	8,900	6,224	8,250	(650)	-7.3%
Office Supplies	6,140	3,800	4,400	2,900	4,100	(300)	-6.8%
Operating Supplies	436,585	346,771	321,550	316,100	320,100	(1,450)	-0.5%
Fuel & Mileage	22,093	25,263	37,775	37,975	39,676	1,901	5.0%
Supplies for Resale	3,914,616	4,696,834	4,050,000	4,776,514	4,375,000	325,000	8.0%
Machinery & Equipment (<\$25,000)	45,404	118,141	100,100	74,501	93,100	(7,000)	-7.0%
Repair & Maintenance Supplies	353,559	575,915	246,700	255,115	255,000	8,300	3.4%
Operational Units	1,167,738	1,231,835	1,261,384	1,261,384	1,299,226	37,842	3.0%
Property & Liability Costs	79,597	129,142	84,920	204,765	108,479	23,558	27.7%
Rentals	7,737	583	2,000	1,865	2,000	-	0.0%
Financial Fees	12,163	15,002	15,050	62	15,050	-	0.0%
Permits	32,744	32,313	38,100	37,800	37,500	(600)	-1.6%
Debt Service and Lease Payments	224,923	243,695	916,983	937,507	1,216,799	299,816	32.7%
Total Operations	6,771,919	7,792,345	7,625,162	8,336,915	8,317,054	691,892	9.1%
Buildings	-	-	-	-	-	-	-
Improvements	1,082,604	1,290,304	1,300,000	500,000	1,815,000	515,000	39.6%
Machinery & Equipment (>\$25,000)	75,056	-	267,000	251,300	170,000	(97,000)	-36.3%
Capital	1,157,660	1,290,304	1,567,000	751,300	1,985,000	418,000	26.7%
Total Water Summary	9,824,642	11,237,999	11,508,400	11,403,688	12,842,758	1,334,358	11.6%

Water Distribution Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
Personnel										
81110	REGULAR PAY	586,663	580,128	730,963	812,861	776,990	827,845	860,959	895,397	931,213
81120	OVERTIME PAY	14,747	8,029	18,976	25,000	31,030	35,000	35,000	35,000	15,000
81199	VACANCY ADJUSTMENT				(27,277)		(28,975)	(30,134)	(31,339)	(32,592)
	TOTAL WAGES	601,410	588,157	749,939	810,584	808,019	833,870	865,825	899,058	913,621
81410	FICA (EMPLOYER'S SHARE)	43,013	41,537	53,462	59,615	62,004	63,330	65,863	68,498	71,238
81420	MEDICAL PREMIUMS	158,264	190,758	230,017	256,780	282,458	282,459	282,460	282,461	282,462
81430	GROUP INSURANCE PREMIUMS	12,925	13,768	15,258	15,682	16,466	17,289	18,154	19,061	20,015
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(36,549)	(44,635)	(52,564)	(53,530)	(58,883)	(64,771)	(71,248)	(78,373)	(86,211)
81450	RETIREMENT CONTRIBUTIONS	49,344	57,824	57,143	90,835	99,919	109,911	120,902	132,992	146,291
81455	DEFERRED COMP MATCH	3,219	3,484	5,909	4,747	4,984	5,482	6,031	6,634	7,297
81470	WORKERS COMPENSATION PREMIUMS	1,800	4,425	11,608	11,719	12,305	12,920	13,566	14,245	14,957
81475	WORKERS COMPENSATION CLAIMS	245	119	50,856						
	TOTAL BENEFITS	232,261	267,280	371,689	385,848	419,253	426,621	435,728	445,518	456,049
Total Personnel		833,671	855,437	1,121,628	1,196,431	1,227,272	1,260,491	1,301,553	1,344,576	1,369,670
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES	214	579	180	150	100	150	150	150	150
82120	FREIGHT FOR INBOUND PURCHASED ITEMS		84	70	75		75	75	75	75
82130	VEHICLE LICENSES & TITLES	18	63	176	200	-	100	200	200	100
82140	VEHICLE TOW-IN SERVICES									
	TOTAL TRANSPORTATION CHARGES	232	726	426	425	100	325	425	425	325
82210	PRINTING & COPYING SERVICES, OUTSOURCED	809	208	807	500	500	500	500	500	500
82250	TESTING & PHYSICALS	1,096	1,269	2,080	500	1,200	1,500	1,500	1,500	1,500
82260	UNIFORM RENTAL & SERVICES	113								
82280	LAB FEES			484						
82299	OTHER OPERATING SERVICES		25							
	TOTAL OPERATING SERVICES	2,018	1,502	3,371	1,000	1,700	2,000	2,000	2,000	2,000
82310	LEGAL NOTICES	29		185	200		200	200	200	200
82350	DUES FOR MEMBERSHIPS	8,069	546	386	3,500	3,500	3,500	3,500	3,500	3,500
82360	PUBLIC RELATIONS & EDUCATION (CITY SPONSORED)	79	289	195	3,000		3,000	3,000	3,000	3,000
82390	PUBLICATIONS, NON-TRAINING									
	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	8,177	835	766	6,700	3,500	6,700	6,700	6,700	6,700
82410	ELECTRIC SERVICE	72,088	81,266	90,975	92,000	90,000	96,000	98,880	101,846	104,902
82420	WATER & SEWER SERVICE	570	818	772	725	725	750	775	798	822
82430	STORMWATER SERVICE	3,486	4,179	4,179	4,200	4,179	4,200	4,200	4,326	4,456
82435	SOLID WASTE SERVICE	1,824	2,480	2,663	2,650	2,600	2,700	2,750	2,833	2,917
82440	NATURAL GAS SERVICE	5,950	2,803	2,913	2,250	2,250	2,500	2,750	2,833	2,917
82450	TELEPHONE SERVICE	551	559	585	725	585	750	775	798	822
82455	CELLULAR TELEPHONE SERVICE	3,191	4,799	7,475	6,500	6,500	6,550	6,600	6,798	7,002
82470	INTERNET & RELATED SERVICES	619	1,372	1,583	1,375	1,375	1,400	1,425	1,468	1,512
	TOTAL UTILITIES	88,279	98,276	111,145	110,425	108,214	114,850	118,155	121,700	125,351
82540	ENGINEERING SERVICES		6,941							
82560	CONSULTANT SERVICES	10,870	28,623	2,000						
82599	OTHER CONTRACTUAL SERVICES		14,674	12,166	20,000		20,000	20,000	20,000	20,000
	TOTAL CONTRACTUAL SERVICES	10,870	50,238	14,166	20,000	-	20,000	20,000	20,000	20,000
82610	VEHICLE REPAIR & MAINTENANCE SERVICES	12,683	14,612	6,983	14,200	6,000	12,000	12,000	12,000	12,000

Water Distribution Detail - FY 2009-Present

<u>Acct. #</u>	<u>Acct. Description</u>	<u>A2015</u>	<u>A2016</u>	<u>A2017</u>	<u>B2018</u>	<u>EST2018</u>	<u>E2019</u>	<u>E2020</u>	<u>E2021</u>	<u>E2022</u>
82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES	795	4,052	4,409	7,500	7,500	7,500	7,500	7,500	7,500
82630	FIRE HYDRANT MAINTENANCE SERVICES		289	-	-		-	-	-	-
82640	PAVING & REPAIR SERVICES		-	560	12,000		12,000	12,000	12,000	12,000
82660	BUILDING REPAIR & MAINTENANCE SERVICES	1,891	756	209	2,000	200	1,000	1,000	1,000	1,000
82683	WATER TANK MAINTENANCE SERVICES		370	12,600	10,000	2,674	15,000	15,000	15,000	15,000
82684	PUMP STATION REPAIR SERVICES		203	-	10,000	-	10,000	10,000	10,000	10,000
82699	OTHER REPAIR & MAINTENANCE SERVICES	1,633	1,354	-	1,000	1,000	1,000	1,000	1,000	1,000
TOTAL REPAIR & MAINTENANCE SERVICES		17,002	21,636	24,761	56,700	17,374	58,500	58,500	58,500	58,500
82740	EMPLOYEE WELLNESS PROGRAM			397						
82750	EMPLOYEE RECOGNITION/RECEPTIONS	525	76	194	500	500	500	500	500	500
82780	TRAINING, OUTSIDE	480	900	2,720	4,500	4,500	4,500	4,500	4,500	4,500
82790	TRAINING, IN-HOUSE		703	93	-		-	-		
TOTAL EMPLOYEE PROGRAMS		1,005	1,679	3,404	5,000	5,000	5,000	5,000	5,000	5,000
82810	REGISTRATIONS	440	900	-	2,200	1,000	1,500	1,500	1,500	1,500
82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)	63	237	489	400	400	400	400	400	400
82830	AIR TRAVEL		1,797	(226)	1,500		1,500	1,500	1,500	1,500
82840	LODGING	654	3,445	-	1,800	1,800	1,800	1,800	1,800	1,800
82850	MEALS (OUTSIDE WILLIAMSON COUNTY)	586	1,011	474	750	750	750	750	750	750
TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL		1,743	7,390	737	6,650	3,950	5,950	5,950	5,950	5,950
83110	OFFICE SUPPLIES	829	862	810	1,200	500	800	800	800	800
83120	OFFICE DÉCOR ITEMS (OTHER THAN FURNITURE)		1,196	-	-					
83130	EMPLOYEE BENEVOLENCE ITEMS		100	-	100	100	100	100	100	100
83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	1,273	1,633	1,821	900	800	900	900	900	900
TOTAL OFFICE SUPPLIES		2,102	3,791	2,631	2,200	1,400	1,800	1,800	1,800	1,800
83210	TRAINING SUPPLIES		70	-	250	250	250	250	250	250
83220	CHEMICALS & LAB SUPPLIES	30	482	-	300	100	300	300	300	300
83240	MEDICAL SUPPLIES	165	361	401	350	150	200	200	200	200
83250	SAFETY SUPPLIES	8,440	9,589	11,397	7,650	7,650	7,650	7,650	7,650	7,650
83260	UNIFORMS PURCHASED	4,571	4,349	5,235	3,800	750	2,500	2,500	2,500	2,500
83270	CONSUMABLE TOOLS	2,673	3,895	9,865	5,000	5,000	5,000	5,000	5,000	5,000
83299	OTHER OPERATING SUPPLIES	4,417	3,393	5,206	4,000	4,000	4,000	4,000	4,000	4,000
TOTAL OPERATING SUPPLIES		20,296	22,139	32,104	21,350	17,900	19,900	19,900	19,900	19,900
83310	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	20,235	14,512	19,170	30,025	30,025	31,526	33,103	34,758	36,496
83320	MILEAGE (INSIDE WILLIAMSON COUNTY)									
TOTAL FUEL & MILEAGE		20,235	14,512	19,170	30,025	30,025	31,526	33,103	34,758	36,496
83510	FURNITURE, FIXTURES (<\$25,000)		260	440	600	600	600	600	600	600
83520	VEHICLES (<\$25,000)	494		23,358	-	-	-	-	-	-
83530	MACHINERY & EQUIPMENT (<\$25,000)	43,266	13,046	21,375	42,500	42,500	30,000	25,000	25,000	25,000
83540	COMPUTER HARDWARE (<\$25,000)	4,027	1,675	4,825	21,000	401	6,000	3,300	3,300	3,300
83550	COMPUTER SOFTWARE (<\$25,000)	1,784	1,838	6,343	6,000	6,000	6,000	6,000	6,000	6,000
TOTAL MACHINERY & EQUIPMENT (<\$25,000)		49,571	16,819	56,341	70,100	49,501	42,600	34,900	34,900	34,900
83610	VEHICLE PARTS & SUPPLIES	629	1,280	1,563	1,200	725	1,200	1,200	1,200	1,200
83620	EQUIPMENT PARTS & SUPPLIES	2,984	6,823	5,507	5,000	3,000	5,000	5,000	5,000	5,000
83630	FIRE HYDRANT SUPPLIES	6,039	25,238	13,118	10,000	25,000	23,000	23,000	23,000	23,000
83640	PAVING REPAIR SUPPLIES	11,698	14,081	47,800	20,000	20,000	20,000	20,000	20,000	20,000
83652	LANDSCAPING SUPPLIES	73	282	282	500	250	300	300	300	300
83654	GROUNDS MAINTENANCE SUPPLIES	148	43	86			-	-	-	-
83660	BUILDING MAINTENANCE SUPPLIES	730	1,791	7,278	3,000	3,000	3,000	3,000	3,000	3,000
83680	METER REPAIR & REPLACEMENT SUPPLIES	332,721	179,381	283,392	100,000	100,000	100,000	100,000	100,000	100,000
83682	UTILITY LINES REPAIR SUPPLIES	48,892	97,617	181,604	75,000	75,000	75,000	75,000	75,000	75,000
83683	WATER TANK MAINTENANCE SUPPLIES	9,575	8,566	111	5,000	5,000	5,000	5,000	5,000	5,000

Water Distribution Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
83684	PUMP STATION REPAIR SUPPLIES	1,059	38	4	5,000	1,000	2,500	2,500	2,500	2,500
83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES	179	278	-	2,500	500	1,000	1,000	1,000	1,000
TOTAL REPAIR & MAINTENANCE SUPPLIES		414,727	335,418	540,745	227,200	233,475	236,000	236,000	236,000	236,000
85110	PROPERTY INSURANCE	17,458	20,025	20,333	21,350	21,350	22,418	23,538	24,715	25,951
85111	FRAUD INSURANCE	-	-	-	-	420	441	463	486	511
85112	INLAND MARINE INSURANCE	1,481	-	1,415	1,486	10,216	10,727	11,263	11,826	12,418
85113	AUTO PHYSICAL DAMAGE	539	569	775	814	844	886	931	977	1,026
85115	LIABILITY INSURANCE	15,103	9,387	6,088	6,392	6,392	6,712	7,047	7,400	7,770
85116	E&O LIABILITY INSURANCE	1,423	-	-	-	3,554	3,732	3,918	4,114	4,320
85117	VEHICLE LIABILITY INSURANCE	1,856	2,822	7,705	9,190	9,190	9,650	10,132	10,639	11,171
85119	UMBRELLA LIABILITY	-	981	1,151	1,209	1,400	1,470	1,544	1,621	1,702
85120	PROPERTY DAMAGE COSTS	6,408	(2,668)	-	-	-	-	-	-	-
85123	PHYSICAL DAMAGE CLAIMS/DEDUCTIBLES	-	-	-	-	(706)	-	-	-	-
85125	LIABILITY CLAIMS/DEDUCTIBLES	-	-	5,230	4,954	-	-	-	-	-
85127	VEHICLE LIABILITY CLAIMS/DEDUCTIBLES	-	270	1,131	-	-	-	-	-	-
85140	SURETY/NOTARY BONDS	-	-	-	-	25	26	28	29	30
85170	EASEMENTS ACQUIRED	-	-	42,743	-	100,000	-	-	-	-
TOTAL PROPERTY & LIABILITY COSTS		44,268	31,386	86,571	45,395	152,685	56,061	58,865	61,807	64,897
85230	LAND USE RENTAL	357	559	50	500	615	500	500	500	500
85240	EQUIPMENT RENTAL & LEASES	-	-	146	500	250	500	500	500	500
TOTAL RENTALS		357	559	196	1,000	865	1,000	1,000	1,000	1,000
85310	PERMITS	-	-	-	400	200	200	200	200	200
85320	STATE FEES	4,292	31,884	32,228	35,000	35,000	35,000	35,000	35,000	35,000
85340	RECORDING & FILING FEES	-	-	-	200	100	200	200	200	200
TOTAL PERMITS		4,292	31,884	32,228	35,600	35,300	35,400	35,400	35,400	35,400
85530	E-COMMERCE FEES	8	42	6	-	12	-	-	-	-
85580	LATE CHARGES	-	-	-	-	-	-	-	-	-
TOTAL FINANCIAL FEES		8	42	6	-	12	-	-	-	-
86300	PAYING AGENT & OTHER DEBT FEES	-	-	-	-	32	-	-	-	-
86600	LEASE/LOAN PRINCIPAL	62,510	64,296	-	68,023	81,626	71,965	-	-	-
86700	LEASE/LOAN INTEREST	35,704	33,918	32,081	30,191	37,080	26,249	-	-	-
TOTAL DEBT SERVICE		98,214	98,214	32,081	98,214	118,738	98,214	-	-	-
Total Operations		783,396	737,046	960,849	737,984	779,738	735,826	637,697	645,839	654,218
Capital										
89520	VEHICLES (>\$25,000)	30,567	26,927	-	135,000	93,800	70,000	70,000	70,000	70,000
89530	MACHINERY & EQUIPMENT (>\$25,000)	-	48,129	-	32,000	57,500	-	-	-	-
89550	COMPUTER SOFTWARE (>\$25,000)	-	-	-	-	-	-	-	-	-
TOTAL MACHINERY & EQUIPMENT (>\$25,000)		30,567	75,056	-	167,000	151,300	70,000	70,000	70,000	70,000
Total Capital		30,567	75,056	-	167,000	151,300	70,000	70,000	70,000	70,000
TOTAL EXPENDITURES		1,647,634	1,667,539	2,082,477	2,101,415	2,158,310	2,066,316	2,009,250	2,060,415	2,093,888

Water Plant Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	F2019	F2020	F2021	F2022
Personnel										
81110	REGULAR PAY	574,718	589,155	575,901	630,091	552,669	660,441	686,859	714,333	742,906
81120	OVERTIME PAY	26,912	21,764	23,094	20,000	20,000	20,000	20,000	20,000	20,000
81199	VACANCY ADJUSTMENT				(21,147)		(23,115)	(24,040)	(25,002)	(26,002)
TOTAL WAGES		601,630	610,919	598,995	628,944	572,669	657,326	682,819	709,331	736,905
81410	FICA (EMPLOYER'S SHARE)	43,171	44,054	43,302	46,508	48,070	50,524	52,545	54,646	56,832
81420	MEDICAL PREMIUMS	161,319	161,385	165,047	197,596	217,356	239,092	263,001	289,301	318,231
81430	GROUP INSURANCE PREMIUMS	13,247	15,813	11,974	12,002	12,602	13,232	13,894	14,588	15,318
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(37,277)	(35,534)	(35,155)	(43,435)	(47,779)	(52,557)	(57,813)	(63,594)	(69,953)
81450	RETIREMENT CONTRIBUTIONS	42,295	53,376	72,912	83,848	92,232	101,455	111,601	122,761	135,037
81455	DEFERRED COMP MATCH	2,099	2,057	1,873	2,347	2,581	2,839	3,123	3,435	3,779
81470	WORKERS COMPENSATION PREMIUMS	2,134	2,335	5,521	5,710	5,995	6,295	6,609	6,940	7,287
81475	WORKERS COMPENSATION CLAIMS	-	(88)							
TOTAL BENEFITS		226,988	243,398	265,474	304,577	331,057	360,880	392,960	428,078	466,531
Total Personnel		828,618	854,317	864,469	933,520	903,726	1,018,205	1,075,778	1,137,409	1,203,435
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES	935	2,106	1,497	1,000	1,000	1,000	1,000	1,000	1,000
82120	FREIGHT FOR INBOUND PURCHASED ITEMS	2,196	1,340	1,323	1,500	1,500	1,500	1,500	1,500	1,500
82130	VEHICLE LICENSES & TITLES		36	45	50	50	50	50	50	50
82140	VEHICLE TOW-IN SERVICES									
TOTAL TRANSPORTATION CHARGES		3,131	3,482	2,865	2,550	2,550	2,550	2,550	2,550	2,550
82210	PRINTING & COPYING SERVICES, OUTSOURCED	3,728	1,397	1,915	2,200	2,200	2,200	2,200	2,200	2,200
82250	TESTING & PHYSICALS	519	182	-	200	200	200	200	200	200
82280	LAB FEES	9,711	21,840	26,107	20,000	20,000	20,000	20,000	20,000	20,000
82299	OTHER OPERATING SERVICES									
TOTAL OPERATING SERVICES		13,958	23,419	28,022	22,400	22,400	22,400	22,400	22,400	22,400
82310	LEGAL NOTICES	3,520	33		500	500	500	500	500	500
82350	DUES FOR MEMBERSHIPS	241	230	236	500	500	500	500	500	500
82360	PUBLIC RELATIONS & EDUCATION (CITY SPONSORED)		401							
82390	PUBLICATIONS, NON-TRAINING	413	389		250	250	250	250	250	250
TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY		4,174	1,053	236	1,250	1,250	1,250	1,250	1,250	1,250
82410	ELECTRIC SERVICE	99,855	122,156	96,051	90,000	90,000	95,000	97,500	100,000	102,500
82430	STORMWATER SERVICE	632	758	758	750	750	750	750	750	750
82435	SOLID WASTE SERVICE	850	1,105	2,280	1,100	1,100	1,100	1,100	1,100	1,100
82440	NATURAL GAS SERVICE	2,163	1,812	1,465	800	800	850	850	850	900
82450	TELEPHONE SERVICE	1,723	2,189	2,315	2,200	2,200	2,200	2,200	2,200	2,200
82455	CELLULAR TELEPHONE SERVICE	793	910	1,409	1,350	1,350	1,350	1,350	1,350	1,350
82470	INTERNET & RELATED SERVICES	1,042	1,093	1,143	1,125	1,125	1,125	1,125	1,125	1,125
TOTAL UTILITIES		107,058	130,023	105,421	97,325	97,325	102,375	104,875	107,375	109,925
82560	CONSULTANT SERVICES	2,800								
82599	OTHER CONTRACTUAL SERVICES									
TOTAL CONTRACTUAL SERVICES		2,800	-	-	-	-	-	-	-	-
82610	VEHICLE REPAIR & MAINTENANCE SERVICES	931	590	802	2,500	2,500	2,500	2,500	2,500	2,500
82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES	39,214	88,149	28,767	35,000	35,000	35,000	35,000	35,000	35,000
82654	GROUNDS MAINTENANCE SERVICES	1,680								
82660	BUILDING REPAIR & MAINTENANCE SERVICES	50,950	5,032	6,462	1,500	1,500	2,000	2,000	2,000	2,000

Water Plant Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	F2019	F2020	F2021	F2022
82699	OTHER REPAIR & MAINTENANCE SERVICES	75								
	TOTAL REPAIR & MAINTENANCE SERVICES	92,850	93,771	36,031	39,000	39,000	39,500	39,500	39,500	39,500
82740	EMPLOYEE WELLNESS PROGRAM									
82750	EMPLOYEE RECOGNITION/RECEPTIONS		78	105	100	100	100	100	100	100
82780	TRAINING, OUTSIDE		415	160	2,100	2,100	2,100	2,100	2,100	2,100
82790	TRAINING, IN-HOUSE		27	27		27				
	TOTAL EMPLOYEE PROGRAMS	-	520	292	2,200	2,227	2,200	2,200	2,200	2,200
82810	REGISTRATIONS	4,190	320	2,263	1,200	1,200	1,200	1,200	1,200	1,200
82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)		-		100	74	100	100	100	100
82830	AIR TRAVEL		-		300	300	300	300	300	300
82840	LODGING		416		450	450	500	500	500	500
82850	MEALS (OUTSIDE WILLIAMSON COUNTY)	1,079	86	69	200	250	200	200	200	200
82890	OTHER TRAVEL EXPENSES	-	-				-	-	-	-
	TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL	5,269	822	2,332	2,250	2,274	2,300	2,300	2,300	2,300
83110	OFFICE SUPPLIES	777	2,162	774	1,700	1,000	1,700	1,700	1,700	1,700
83120	OFFICE DÉCOR ITEMS (OTHER THAN FURNITURE)		-			-	100	100	100	100
83130	EMPLOYEE BENEVOLENCE ITEMS		-	-	100	100	100	100	100	100
83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	308	187	381	400	400	400	400	400	400
	TOTAL OFFICE SUPPLIES	1,085	2,349	1,155	2,200	1,500	2,300	2,300	2,300	2,300
83210	TRAINING SUPPLIES	-	-				-	-	-	-
83220	CHEMICALS & LAB SUPPLIES	282,175	407,635	307,374	290,000	290,000	290,000	300,000	310,000	320,000
83240	MEDICAL SUPPLIES		841	1,280	1,000	1,000	1,000	1,000	1,000	1,000
83250	SAFETY SUPPLIES	2,613	2,196	765	2,000	2,000	2,000	2,000	2,000	2,000
83260	UNIFORMS PURCHASED	2,100	1,139	2,647	4,000	2,000	4,000	4,000	4,000	4,000
83270	CONSUMABLE TOOLS	199	411	-	500	500	500	500	500	500
83299	OTHER OPERATING SUPPLIES	12,946	1,556	1,876	1,500	1,500	1,500	1,500	1,500	1,500
	TOTAL OPERATING SUPPLIES	300,033	413,778	313,942	299,000	297,000	299,000	309,000	319,000	329,000
83310	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	11,377	4,047	2,613	3,000	3,200	3,400	3,600	3,800	4,000
83320	MILEAGE (INSIDE WILLIAMSON COUNTY)									
	TOTAL FUEL & MILEAGE	11,377	4,047	2,613	3,000	3,200	3,400	3,600	3,800	4,000
83410	WATER PURCHASED	2,989,286	3,914,616	4,696,834	4,050,000	4,776,514	4,375,000	4,375,000	4,525,000	4,675,000
	TOTAL SUPPLIES FOR RESALE	2,989,286	3,914,616	4,696,834	4,050,000	4,776,514	4,375,000	4,375,000	4,525,000	4,675,000
83510	FURNITURE, FIXTURES (<\$25,000)		439	420	600	600	500	500	500	500
83520	VEHICLES (<\$25,000)	1,912		20,394	-	-	-	-	-	-
83530	MACHINERY & EQUIPMENT (<\$25,000)	633	24,951	31,160	20,000	20,000	20,000	20,000	20,000	20,000
83540	COMPUTER HARDWARE (<\$25,000)	1,503	2,951	1,216	8,400	3,400	4,000	3,000	5,000	5,000
83550	COMPUTER SOFTWARE (<\$25,000)			-	1,000	1,000	1,000	1,000	1,000	1,000
	TOTAL MACHINERY & EQUIPMENT (<\$25,000)	4,048	28,341	53,190	30,000	25,000	25,500	24,500	26,500	26,500
83610	VEHICLE PARTS & SUPPLIES	223	89	205	500	500	500	500	500	500
83620	EQUIPMENT PARTS & SUPPLIES	15,838	7,372	18,323	10,000	10,000	10,000	10,000	10,000	10,000
83643	SIGN SUPPLIES	-			250	250	250	250	250	250
83652	LANDSCAPING SUPPLIES	-			500	250	250	250	250	250
83654	GROUNDS MAINTENANCE SUPPLIES	31	43	474	1,000	4,140	1,000	1,000	1,000	1,000
83660	BUILDING MAINTENANCE SUPPLIES	7,844	10,434	16,168	6,000	6,000	6,000	6,000	6,000	6,000
83684	PUMP STATION REPAIR SUPPLIES	-			750	-	500	500	500	500
83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES	38			500	500	500	500	500	500
	TOTAL REPAIR & MAINTENANCE SUPPLIES	23,974	17,938	35,170	19,500	21,640	19,000	19,000	19,000	19,000
85110	PROPERTY INSURANCE	18,061	19,659	9,509	9,984	10,484	11,008	11,559	12,137	12,743

Water Plant Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	F2019	F2020	F2021	F2022
85111	FRAUD INSURANCE		-	-	-	1,159	1,217	1,278	1,342	1,409
85112	INLAND MARINE INSURANCE	589	-	568	596	626	657	690	725	761
85113	AUTO PHYSICAL DAMAGE	69	62	124	130	130	137	143	150	158
85115	LIABILITY INSURANCE	9,917	13,278	18,434	19,356	19,356	20,324	21,340	22,407	23,527
85116	E&O LIABILITY INSURANCE	4,281	-	-	-	9,827	10,318	10,834	11,376	11,945
85117	VEHICLE LIABILITY INSURANCE	1,236	4,343	2,055	2,158	2,266	2,379	2,498	2,623	2,754
85119	UMBRELLA LIABILITY		3,149	3,485	3,659	3,842	4,034	4,236	4,448	4,670
85127	VEHICLE LIABILITY CLAIMS/DEDUCTIBLES	415	-		-	-	-	-	-	-
85140	SURETY/NOTARY BONDS									
TOTAL PROPERTY & LIABILITY COSTS		34,568	40,491	34,175	35,883	47,690	50,075	52,579	55,207	57,967
85220	PROPERTY TAX-RENTAL PROPERTY			387						
85240	EQUIPMENT RENTAL & LEASES		7,178		1,000	1,000	1,000	1,000	1,000	1,000
TOTAL RENTALS		-	7,178	387	1,000	1,000	1,000	1,000	1,000	1,000
85310	PERMITS	-	-		500	250	100	100	100	100
85320	STATE FEES	2,270	860	85	2,000	2,000	2,000	-	-	-
85340	RECORDING & FILING FEES									
TOTAL PERMITS		2,270	860	85	2,500	2,250	2,100	100	100	100
Total Operations		3,595,881	4,682,688	5,312,750	4,610,058	5,342,820	4,949,950	4,962,154	5,129,482	5,294,992
Capital										
89220	BUILDING DESIGN & CONSTRUCTION									
89230	BUILDING IMPROVEMENTS	89								
TOTAL BUILDINGS		89	-	-	-	-	-	-	-	-
89530	MACHINERY & EQUIPMENT (>\$25,000)				100,000	100,000	100,000	100,000	100,000	100,000
89550	COMPUTER SOFTWARE (>\$25,000)									
TOTAL MACHINERY & EQUIPMENT (>\$25,000)		-	-	-	100,000	100,000	100,000	100,000	100,000	100,000
Total Capital		89	-	-	100,000	100,000	100,000	100,000	100,000	100,000
TOTAL EXPENDITURES		4,424,588	5,537,005	6,177,219	5,643,579	6,346,546	6,068,155	6,137,933	6,366,891	6,598,428

Utility Billing Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
Personnel										
81110	REGULAR PAY	93,321	91,909	103,046	96,970	84,065	96,587	100,450	104,468	108,647
81120	OVERTIME PAY	2,404	2,400	3,579	1,000	2,000	2,000	2,000	2,000	2,000
81199	VACANCY ADJUSTMENT				(3,253)		(3,381)	(3,516)	(3,656)	(3,803)
TOTAL WAGES		95,725	94,309	106,625	94,717	86,065	95,206	98,935	102,812	106,845
81410	FICA (EMPLOYER'S SHARE)	6,742	6,649	7,694	7,725	7,394	7,389	7,684	7,992	8,312
81420	MEDICAL PREMIUMS	29,521	35,978	28,859	30,060	33,067	36,374	40,011	44,012	48,413
81430	GROUP INSURANCE PREMIUMS	1,891	1,961	1,988	1,135	1,192	1,252	1,314	1,380	1,449
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(7,925)	(7,762)	(6,249)	(5,666)	(6,233)	(6,856)	(7,542)	(8,296)	(9,126)
81450	RETIREMENT CONTRIBUTIONS	10,574	8,896	12,152	15,087	16,596	18,256	20,081	22,089	24,298
81455	DEFERRED COMP MATCH	786	1,297	1,837	2,033	2,134	2,241	2,353	2,470	2,594
81470	WORKERS COMPENSATION PREMIUMS	297	243	691	330	3,095	3,250	3,412	3,583	3,762
81475	WORKERS COMPENSATION CLAIMS			15,656		21				
TOTAL BENEFITS		41,886	47,262	62,628	50,704	57,266	61,904	67,314	73,230	79,702
Total Personnel		137,611	141,571	169,253	145,421	143,331	157,110	166,248	176,042	186,547
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES	289	-	-	200	200	200	200	200	200
82120	FREIGHT FOR INBOUND PURCHASED ITEMS	12								
82130	VEHICLE LICENSES & TITLES		36	18						
82140	VEHICLE TOW-IN SERVICES									
TOTAL TRANSPORTATION CHARGES		301	36	18	200	200	200	200	200	200
82210	PRINTING & COPYING SERVICES, OUTSOURCED	-	-		3,000	3,000	3,000	3,000	3,000	3,000
82250	TESTING & PHYSICALS	315	187		200	1,000	1,000	1,000	1,000	1,000
82299	OTHER OPERATING SERVICES									
TOTAL OPERATING SERVICES		315	187	-	3,200	4,000	4,000	4,000	4,000	4,000
82310	LEGAL NOTICES	-	-		500	500	500	500	500	500
82390	PUBLICATIONS, NON-TRAINING	40								
TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY		40	-	-	500	500	500	500	500	500
82450	TELEPHONE SERVICE	856	885	889	950	950	950	950	950	950
82451	800 MHZ ACCESS LINE SERVICE	268	296	299	350	350	350	350	350	350
82455	CELLULAR TELEPHONE SERVICE	626	456	419	500	500	500	500	500	500
82470	INTERNET & RELATED SERVICES	1,237	1,342	1,853	1,550	1,550	1,550	1,550	1,550	1,550
TOTAL UTILITIES		2,987	2,979	3,460	3,350	3,350	3,350	3,350	3,350	3,350
82610	VEHICLE REPAIR & MAINTENANCE SERVICES	655	1,468	4,095	1,500	1,618	1,500	1,500	1,500	1,500
82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES		-		500	500	500	500	500	500
82699	OTHER REPAIR & MAINTENANCE SERVICES				500	500	500	500	500	500
TOTAL REPAIR & MAINTENANCE SERVICES		655	1,468	4,095	2,500	2,618	2,500	2,500	2,500	2,500
82750	EMPLOYEE RECOGNITION/RECEPTIONS			29						
82790	TRAINING, IN-HOUSE									

Utility Billing Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
	TOTAL EMPLOYEE PROGRAMS	-	-	29	-	-	-	-	-	-
83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)			14						
	TOTAL OFFICE SUPPLIES	-	-	14	-	-	-	-	-	-
83210	TRAINING SUPPLIES									
83250	SAFETY SUPPLIES	85	130	195	200	200	200	200	200	200
83260	UNIFORMS PURCHASED	1,186	466	488	800	800	800	800	800	800
83270	CONSUMABLE TOOLS	126	63	-	200	200	200	200	200	200
83299	OTHER OPERATING SUPPLIES		9	42						
	TOTAL OPERATING SUPPLIES	1,397	668	725	1,200	1,200	1,200	1,200	1,200	1,200
83310	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	6,399	3,534	3,480	4,750	4,750	4,750	4,750	4,750	4,750
83320	MILEAGE (INSIDE WILLIAMSON COUNTY)									
	TOTAL FUEL & MILEAGE	6,399	3,534	3,480	4,750	4,750	4,750	4,750	4,750	4,750
83540	COMPUTER HARDWARE (<\$25,000)	8		2,346			25,000	29,000		
83550	COMPUTER SOFTWARE (<\$25,000)									
	TOTAL MACHINERY & EQUIPMENT (<\$25,000)	8	-	2,346	-	-	25,000	29,000	-	-
83620	EQUIPMENT PARTS & SUPPLIES		180							
83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES									
	TOTAL REPAIR & MAINTENANCE SUPPLIES	-	180	-	-	-	-	-	-	-
85110	PROPERTY INSURANCE	798	1,073	1,022	1,073	941	988	1,037	1,089	1,144
85111	FRAUD INSURANCE		-			36	38	40	42	44
85112	INLAND MARINE INSURANCE	91	-	91	96	84	88	93	97	102
85113	AUTO PHYSICAL DAMAGE	136	122	118	124	82	86	90	95	100
85115	LIABILITY INSURANCE	486	645	585	614	139	146	153	161	169
85116	E&O LIABILITY INSURANCE	146	-			301	316	332	348	366
85117	VEHICLE LIABILITY INSURANCE	746	770	1,541	1,618	532	559	587	616	647
85119	UMBRELLA LIABILITY		110	111	117	117	123	129	135	142
85127	VEHICLE LIABILITY CLAIMS/DEDUCTIBLES	3,225					-	-	-	-
85140	SURETY/NOTARY BONDS									
	TOTAL PROPERTY & LIABILITY COSTS	5,628	2,720	3,468	3,642	2,232	2,344	2,461	2,584	2,713
85550	CASH SHORT/OVER	78	(135)	(4)	50	50	50	50	50	50
85580	LATE CHARGES									
	TOTAL FINANCIAL FEES	78	(135)	(4)	50	50	50	50	50	50
Total Operations		17,808	11,637	17,631	19,392	18,900	43,894	48,010	19,134	19,263
TOTAL EXPENDITURES		155,419	153,208	186,884	164,813	162,231	201,004	214,258	195,176	205,810

Water General - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
Personnel										
81110	REGULAR PAY				31,536	31,536	95,000	99,750	104,738	109,974
81150	TEMPORARY WORK BY NON-CITY EMPLOYEES	7,833								
	TOTAL WAGES	7,833	-	-	31,536	31,536	95,000	99,750	104,738	109,974
81420	MEDICAL PREMIUMS	13,736	46,551		19,674	20,264	20,872	21,916	23,011	24,162
81430	GROUP INSURANCE PREMIUMS		235							
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(8,298)	(3,048)		(10,818)	(11,143)	(11,477)	(12,051)	(12,653)	(13,286)
81475	WORKERS COMPENSATION CLAIMS				473	487	502	527	553	581
	TOTAL BENEFITS	5,438	43,738	-	9,329	9,608	9,897	10,392	10,911	11,457
Total Personnel		13,271	43,738	-	40,865	41,144	104,897	110,142	115,649	121,431
Operations										
82130	VEHICLE LICENSES & TITLES	297	18			18				
	TOTAL TRANSPORTATION CHARGES	297	18	-	-	18	-	-	-	-
82250	TESTING & PHYSICALS	410	3,251	2,318	-	258	-	-	-	-
	TOTAL OPERATING SERVICES	410	3,251	2,318	-	258	-	-	-	-
82310	LEGAL NOTICES	1,605	3,719	2,706	5,000	5,000	5,000	5,000	5,000	5,000
82390	PUBLICATIONS, NON-TRAINING									
	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	1,605	3,719	2,706	5,000	5,000	5,000	5,000	5,000	5,000
82430	STORMWATER SERVICE	915	981	1,000	1,000	1,000	1,000	1,000	1,000	1,000
82435	SOLID WASTE SERVICE		20	-	-	45	-	-	-	-
82450	TELEPHONE SERVICE	593	666	700	700	700	700	700	700	700
82470	INTERNET & RELATED SERVICES	619	671	750	750	750	750	750	750	750
	TOTAL UTILITIES	2,127	2,338	2,450	2,450	2,495	2,450	2,450	2,450	2,450
82520	LEGAL SERVICES	11,926	7,377	2,000	5,000	5,000	5,000	5,000	5,000	5,000
82530	AUDIT SERVICES	12,250	11,875	12,000	12,125	12,125	12,125	12,125	12,125	12,125
82540	ENGINEERING SERVICES	5,890								
82560	CONSULTANT SERVICES			-	65,000	75,000	100,000	45,000	10,000	10,000
82599	OTHER CONTRACTUAL SERVICES			10,000	73,000	13,000	30,000	82,125	77,125	77,125
	TOTAL CONTRACTUAL SERVICES	30,066	19,252	24,000	155,125	105,125	147,125	144,250	104,250	104,250
82684	PUMP STATION REPAIR SERVICES	8,598								
82699	OTHER REPAIR & MAINTENANCE SERVICES									
	TOTAL REPAIR & MAINTENANCE SERVICES	8,598	-	-	-	-	-	-	-	-
82780	TRAINING, OUTSIDE			300						
	TOTAL EMPLOYEE PROGRAMS	-	-	300	-	-	-	-	-	-
82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)	67								
	TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL	67	-	-	-	-	-	-	-	-
83540	COMPUTER HARDWARE (<\$25,000)	1,862	244	6,264						
83550	COMPUTER SOFTWARE (<\$25,000)									
	TOTAL MACHINERY & EQUIPMENT (<\$25,000)	1,862	244	6,264	-	-	-	-	-	-

Water General - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
83620	EQUIPMENT PARTS & SUPPLIES		23							
	TOTAL REPAIR & MAINTENANCE SUPPLIES	-	23	-	-	-	-	-	-	
83683	WATER TANK MAINTENANCE SUPPLIES	1,518								
	TOTAL REPAIR & MAINTENANCE SUPPLIES	1,518	-	-	-	-	-	-	-	
84710	ADMIN SERVICES PROVIDED BY GENERAL FUND	1,157,951	1,167,738	1,231,835	1,261,384	1,261,384	1,299,226	1,338,202	1,378,348	1,419,699
	TOTAL OPERATIONAL UNITS	1,157,951	1,167,738	1,231,835	1,261,384	1,261,384	1,299,226	1,338,202	1,378,348	1,419,699
85127	VEHICLE LIABILITY CLAIMS/DEDUCTIBLES					2,158				
85170	EASEMENTS ACQUIRED		5,000	4,928						
	TOTAL PROPERTY & LIABILITY COSTS	-	5,000	4,928	-	2,158	-	-	-	-
85310	PERMITS					250				
85320	STATE FEES	77								
85340	RECORDING & FILING FEES									
	TOTAL PERMITS	77	-	-	-	250	-	-	-	-
						15,000				
85570	BAD DEBT EXPENSE (NET OF RECOVERIES)	9,825	12,256	15,000	15,000		15,000	15,000	15,000	15,000
85575	LEAK ADJUSTMENTS									
	TOTAL FINANCIAL FEES	9,825	12,256	15,000	15,000	-	15,000	15,000	15,000	15,000
86100	PRINCIPAL	83,300	-	87,500	348,600	348,600	509,150	526,600	544,648	563,315
86200	INTEREST	26,422	26,709	24,114	370,169	370,169	509,435	490,495	472,259	454,701
88095	TRANSFER TO DEBT SERVICE FUND	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
	TOTAL DEBT SERVICE	209,722	126,709	211,614	818,769	818,769	1,118,585	1,117,095	1,116,907	1,118,016
Total Operations		1,424,125	1,340,548	1,501,115	2,257,728	2,195,457	2,587,386	2,621,997	2,621,956	2,664,415
Capital										
89320	DISTRIBUTION SYSTEMS	1,261,482	1,082,604	1,290,304	1,300,000	500,000	1,815,000	1,895,650	1,989,500	
	TOTAL IMPROVEMENTS	1,261,482	1,082,604	1,290,304	1,300,000	500,000	1,815,000	1,895,650	1,989,500	-
Total Capital		1,261,482	1,082,604	1,290,304	1,300,000	500,000	1,815,000	1,895,650	1,989,500	-
Total Expenditures		2,698,878	2,466,890	2,791,419	3,598,593	2,736,601	4,507,283	4,627,789	4,727,105	2,785,846



City of Franklin, Tennessee

FY 2019 Operating Budget

Wastewater Budget

Section Summary

The Wastewater Section includes the Wastewater Collection, Water Reclamation, Maintenance, and Utility Administration Divisions.

The City of Franklin operates a water reclamation facility utilizing activated sludge treatment at 135 Claude Yates Drive. The facility is currently operating under a new National Pollutant Discharge Elimination System Permit (NPDES) for treatment and discharge of twelve (12) million gallons per day (MGD) of treated effluent, with provisions to increase discharge to sixteen (16) MGD as conditions warrant. Limits and procedures are incorporated into the NPDES Permit that allows the City of Franklin to operate a reclaimed water network, reducing irrigation demand on potable water. The WRF is facing increasing regulatory constraints from EPA and TDEC primarily related to nutrient loading to the Harpeth River and additional Capacity Management Operation Maintenance (CMOM) Initiative requirements.



The Wastewater Collection Division is responsible for the operation and maintenance of the wastewater collection system including gravity sewer lines, force main lines and wastewater pump 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. This water produced will strive to meet or exceed 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. The City has continued working on implementation of a capacity assurance tool to aid with evaluation of new developments. To support this, refinements to the collection system model have been initiated which will use the City's flow monitoring data to help calibrate flows for dry and wet weather conditions.

The wastewater collection division continues to perform inspections of the sanitary sewer system to evaluate condition, risk and maintenance needs. Starting in 2017, the division has used a sanitary sewer rapid assessment tool to provide for more efficient inspections and maintenance activities, and guide resources more efficiently by prioritizing needs. In 2017, staff performed assessments of over 89,000 linear feet (16.9 miles) of the gravity collection system, approximately 5% of the system. This number will continue to increase as staff is dedicated to performing in this function.



City of Franklin, Tennessee

FY 2019 Operating Budget

Wastewater Budget

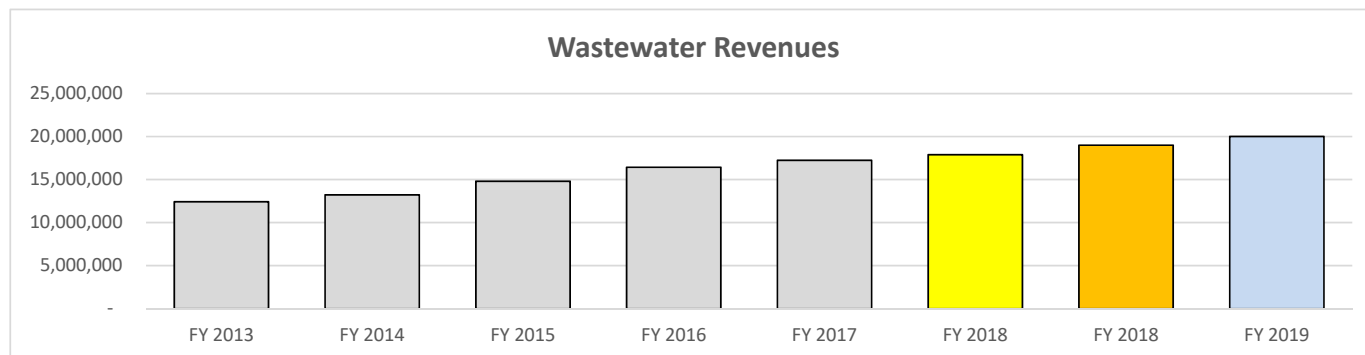
Consumption & Revenues

The sanitary sewer customer base has shown greater signs of growth primarily due to areas within the Mallory Valley and HB&TS Utility Districts. It is important to note that in 2016 the City updated the method by which it calculates customers to more accurately count each customer of each individual division of the system. This methodology was applied to the information presented below and may differ from prior information.

Year	Annual Total (Million Gallons)	Monthly Average - Residential and Commercial (Gallons)
FY 12	2,305	9,219
FY 13	2,345	9,159
FY 14	2,276	8,648
FY 15	2,357	8,698
FY 16	2,450	8,676

Revenues

Rate based revenues for FY 2019 are projected to be at approximately 105.5% of the estimated collections for FY 2018. The tables below present historic revenue by category FY 2013-FY 2017, estimated for the budgeted and estimated revenues for FY 2018 and the projected revenues for FY 2019.



	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Estd	FY 2019 Budget
Intergovernmental	-	-	-	-	-	-	-	-
Interest Income	39,658	20,277	69,963	107,242	94,807	80,000	102,229	84,554
Rental Income	1,800	2,700	2,635	2,800	-	2,800	2,800	2,800
Sale of Surplus Assets	6,133	-	13,714	-	264	-	-	-
Customer Service (Rates)	12,241,583	13,072,915	14,568,762	16,236,044	17,036,817	17,693,606	18,778,074	19,810,868
Inspection Fees	75,298	90,563	133,940	70,968	94,503	75,000	75,000	75,000
Other Service Revenue	60,610	44,146	21,646	17,703	15,419	40,000	40,000	40,000
Total Wastewater Revenues*	12,425,082	13,230,601	14,810,660	16,434,757	17,241,810	17,891,406	18,998,103	20,013,222

*Total revenues less those received for Capital Contributions and accounted for elsewhere within the Water & Wastewater Fund.



City of Franklin, Tennessee

FY 2019 Operating Budget

Wastewater Budget

Budget Summary

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

Utility Administration: The Department is requesting to add a Right of Way Agent to aid in the identification, development, negotiation, and procurement of easements within the City that are needed for new or existing infrastructure. The Department has found that the procurement of easements can be large part of capital project planning and is needed at the front end of a project to ensure successful completion in a timely manner.

Utility Administration: The Department is requesting to add a fourth utility inspector to assist in development reviews and inspections. The development team in the WMD currently consists of three utility inspectors and one senior utility inspector. The addition of a fourth inspector would increase the time each inspector can spend on job sites, reducing the number of projects each inspector has and increasing the level of detail they can provide to that site.

Operations and Maintenance – Operations and maintenance accounts for the largest costs in the Wastewater Section. Utility costs are a large expense item in Wastewater, and were approximately \$1,024,200 for FY 2017. These costs are largely 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 City has also started implementation of a sanitary sewer rapid assessment tool. The equipment uses sonic technology to determine blockage condition which helps determine further action such as inspection, cleaning or maintenance activities. The crews have had positive results during initial testing and have been able to evaluate over 89,000 LF of pipe during 2017.

The Wastewater Collection Division responded to nine overflows and nine releases in 2017. Of these nine overflows, only three reached receiving streams and six occurred because of wet weather. Staff responded to 10 releases in the system (wastewater not entering a receiving stream), however a number of these were due to Contractor error on construction projects.

Operations Capital – Operations Capital expenditures are related to equipment and vehicles directly related to operations versus system replacement or expansion. In previous years 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. Due to budgeting requirements, the approach has been modified to be consistent with other City departments, however, this practice will continue to be used during rate analyses to ensure long terms costs are captured. Enhancement requests have been provided and largely related to replacement of existing equipment.

Wastewater Collection: This Division is requesting the replacement purchase of a vacuum truck that is used for cleaning and maintenance of sewer lines. This replacement purchase will help to increase efficiencies of the jetting equipment, allowing for decreased time spent on removing blockages and an increase on the number of sites visited daily.

Wastewater Collection: This Division is requesting the replacement purchase of a rubber track excavator. The WMD sold a larger, more cumbersome excavator in 2017 and will use this excavator for smaller, tighter spaces where large equipment isn't feasible.

Wastewater Collection: This Division is requesting the replacement of one of the utility service trucks. The existing truck is 10-years old and becoming increasingly harder to find tools and maintenance supplies.

Wastewater Collection: This Division is requesting the replacement of a tandem-axle dump truck. This truck is over 20 years old and can help in the repair, maintenance, and replacement of City's sewer.

Wastewater Collection: This Division is requesting the replacement of a six-inch bypass pump that is used during routine maintenance and emergency situations. The pump can allow us to bypass the main pump while performing maintenance in the station.



Wastewater Budget

Utility Administration: This Division is requesting the addition of a utility inspector vehicle to assist them in development inspections. This inspector will be travelling between the Public Works building and City Hall, and various construction sites for both capital and development projects.

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. At this time, the design has been completed and the project has bid, however bids came back higher than anticipated and the project is currently under redesign and will be rebid next month.

The Department is also working on various collection system projects that include the upgrade to the Holiday Court Lift Station, elimination of the Ladd Park Lift Station, and among other projects, finalizing design of the Spencer Creek interceptor project in the vicinity of Franklin Road.

A key project to both water and wastewater systems is the supervisory control and data acquisition (SCADA) project. This project touches over 40 facilities in both the water and wastewater systems and will provide necessary data and remote operations capabilities to the department.



City of Franklin, Tennessee

FY 2019 Operating Budget

Budget

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F (E-C)</u>	<u>G (E/C)</u>
	Actual	Actual	Budget	Estd	Budget	Difference '18 v. '19	
	2016	2017	2018	2018	2019	\$	%
Divisions							
Wastewater Collection	2,192,335	2,470,827	2,694,384	3,204,243	2,751,593	57,209	2.1%
Wastewater Plant	3,505,664	4,312,825	4,128,514	5,535,123	4,447,026	318,512	7.7%
Utility Administration	1,037,247	1,089,442	1,225,463	1,063,416	1,213,062	(12,401)	-1.0%
Wastewater General	3,187,915	4,315,139	5,977,326	9,760,656	6,741,721	764,395	12.8%
Total Wastewater	9,923,161	12,188,233	14,025,688	19,563,438	15,153,401	1,127,713	8.0%
Expense by Category							
Personnel							
Salaries & Wages	2,359,817	2,539,470	2,884,346	2,627,989	3,086,845	202,499	7.0%
Employee Benefits	1,052,371	1,060,232	1,257,347	1,276,395	1,372,685	115,338	9.2%
Total Personnel	3,412,188	3,599,702	4,141,693	3,904,384	4,459,530	317,837	7.7%
Operations							
Transportation Services	9,586	5,051	4,850	5,300	4,950	100	2.1%
Operating Services	430,518	454,981	460,760	477,477	481,750	20,990	4.6%
Notices, Subscriptions, etc.	16,045	10,513	16,800	16,000	16,300	(500)	-3.0%
Utilities	1,334,905	1,280,276	1,294,721	1,299,086	1,404,887	110,166	8.5%
Contractual Services	899,534	530,779	360,500	2,214,000	749,800	389,300	108.0%
Repair & Maintenance Services	255,775	236,703	239,300	324,715	301,000	61,700	25.8%
Employee programs	8,521	4,957	4,750	4,750	5,100	350	7.4%
Professional Development/Travel	12,724	12,675	20,900	15,400	20,200	(700)	-3.3%
Office Supplies	8,608	7,294	6,650	6,650	6,850	200	3.0%
Operating Supplies	291,756	280,280	287,850	289,500	300,700	12,850	4.5%
Fuel & Mileage	61,178	61,382	69,100	71,301	85,500	16,400	23.7%
Supplies for Resale	-	-	-	-	-	-	
Machinery & Equipment (<\$25,000)	66,449	145,027	133,724	128,824	132,150	(1,574)	-1.2%
Repair & Maintenance Supplies	374,427	513,643	183,000	196,800	183,000	-	0.0%
Operational Units	1,037,990	1,081,927	1,121,229	1,122,212	1,155,878	34,649	3.1%
Property & Liability Costs	147,519	202,744	163,875	182,810	241,948	78,073	47.6%
Rentals	13,648	5,486	3,500	3,640	3,500	-	0.0%
Financial Fees	21,213	20,029	45,000	85,974	45,000	-	0.0%
Permits	43,647	614	17,000	18,495	17,000	-	0.0%
Debt Service and Lease Payments	1,345,502	1,334,170	1,340,485	1,340,677	1,250,507	(89,978)	-6.7%
Total Operations	6,379,545	6,188,531	5,773,995	7,803,611	6,406,021	632,026	10.9%
Buildings	-	600,000	-	396,263	-	-	
Improvements	-	1,500,000	3,400,000	6,506,680	3,612,850	212,850	6.3%
Machinery & Equipment (>\$25,000)	131,428	300,000	710,000	952,500	675,000	(35,000)	-4.9%
Capital	131,428	2,400,000	4,110,000	7,855,443	4,287,850	177,850	4.3%
Total Wastewater	9,923,161	12,188,233	14,025,688	19,563,438	15,153,401	1,127,713	8.0%

Wastewater Collection Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
Personnel										
81110	REGULAR PAY	865,874	896,805	908,666	1,166,566	955,044	1,201,081	1,249,124	1,299,089	1,351,053
81120	OVERTIME PAY	34,570	47,595	79,871	30,000	106,450	30,000	30,000	30,000	30,000
81199	VACANCY ADJUSTMENT				(39,148)		(42,038)	(43,719)	(45,468)	(47,287)
	TOTAL WAGES	900,444	944,400	988,537	1,157,418	1,061,494	1,189,043	1,235,405	1,283,621	1,333,766
81410	FICA (EMPLOYER'S SHARE)	65,193	68,345	71,486	85,566	85,566	91,883	95,558	99,380	103,356
81420	MEDICAL PREMIUMS	241,708	250,779	271,608	339,895	339,895	373,885	411,273	452,400	497,640
81430	GROUP INSURANCE PREMIUMS	17,420	17,340	18,964	21,380	21,380	22,449	23,571	24,750	25,988
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(60,557)	(65,903)	(85,592)	(69,135)	(69,135)	(76,049)	(83,653)	(92,019)	(101,221)
81450	RETIREMENT CONTRIBUTIONS	66,967	88,960	121,520	139,748	139,748	153,723	169,095	186,005	204,605
81455	DEFERRED COMP MATCH	6,980	9,952	12,326	10,032	10,032	11,035	12,139	13,353	14,688
81460	UNEMPLOYMENT CLAIMS	182	0		-					
81470	WORKERS COMPENSATION PREMIUMS	15,970	33,041	10,555	16,650	22,773	23,912	25,107	26,363	27,681
81475	WORKERS COMPENSATION CLAIMS	414	19,401							
	TOTAL BENEFITS	354,277	421,915	420,867	544,135	550,259	600,837	653,089	710,232	772,736
Total Personnel		1,254,721	1,366,315	1,409,404	1,701,553	1,611,753	1,789,881	1,888,494	1,993,853	2,106,502
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES	30	20	71	400	400	400	400	400	400
82120	FREIGHT FOR INBOUND PURCHASED ITEMS		105	70	200	200	200	200	200	200
82130	VEHICLE LICENSES & TITLES	18	108	171	200	200	200	200	200	200
82140	VEHICLE TOW-IN SERVICES				-	-	-	-	-	-
	TOTAL TRANSPORTATION CHARGES	48	233	312	800	800	800	800	800	800
82210	PRINTING & COPYING SERVICES, OUTSOURCED	224		195	200	300	250	200	200	200
82250	TESTING & PHYSICALS	1,265	1,871	686	500	1,500	1,100	1,400	1,700	2,000
82260	UNIFORM RENTAL & SERVICES	113					-	-	-	-
82270	LANDFILL & BIOSOLIDS MANAGEMENT SERVICES	1,952	6,477	4,012	3,000	3,000	3,000	3,000	3,000	3,000
82299	OTHER OPERATING SERVICES					4,877				
	TOTAL OPERATING SERVICES	3,554	8,348	4,893	3,700	9,677	4,350	4,600	4,900	5,200
82310	LEGAL NOTICES	143		185						
82350	DUES FOR MEMBERSHIPS	82	91	95	4,000	4,000	4,000	4,000	4,000	4,000
82360	PUBLIC RELATIONS & EDUCATION (CITY SPONSORED)		40	195	1,500	1,500	1,500	1,500	1,500	1,500
82390	PUBLICATIONS, NON-TRAINING	-	-		100	100	100	100	100	100
	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	225	131	475	5,600	5,600	5,600	5,600	5,600	5,600
82410	ELECTRIC SERVICE	103,753	130,101	127,285	124,000	127,546	131,372	135,314	139,373	143,554
82420	WATER & SEWER SERVICE	1,722	2,337	2,317	2,325	2,325	2,325	2,325	2,325	2,325
82430	STORMWATER SERVICE	570	681	680	743	743	788	800	824	849
82435	SOLID WASTE SERVICE	1,851	2,480	2,688	2,650	2,650	2,750	2,750	2,833	2,917
82440	NATURAL GAS SERVICE	5,986	2,815	2,929	1,050	1,100	1,150	1,150	1,185	1,220
82450	TELEPHONE SERVICE	568	560	579	690	690	600	600	618	637
82455	CELLULAR TELEPHONE SERVICE	2,849	5,369	9,356	9,500	9,100	9,500	9,600	9,500	9,500

0

Wastewater Collection Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
82470	INTERNET & RELATED SERVICES	418	1,036	1,382	1,350	1,200	1,350	1,350	1,350	1,350
	TOTAL UTILITIES	117,717	145,379	147,216	142,308	145,354	149,835	153,889	158,007	162,352
82520	LEGAL SERVICES					410,000	200,000	150,000	100,000	100,000
82560	CONSULTANT SERVICES	12,305	20,565	2,000		1,150				
82599	OTHER CONTRACTUAL SERVICES		48,336	107,264	-	13,178	-	-	-	-
	TOTAL CONTRACTUAL SERVICES	12,305	68,901	109,264	-	424,328	200,000	150,000	100,000	100,000
82610	VEHICLE REPAIR & MAINTENANCE SERVICES	19,835	24,577	41,545	38,000	38,000	38,000	38,000	38,000	38,000
82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES	869	2,132	13,087	8,000	8,000	8,000	8,000	8,000	8,000
82640	PAVING & REPAIR SERVICES	806		-	10,000	10,000	10,000	10,000	10,000	10,000
82660	BUILDING REPAIR & MAINTENANCE SERVICES	1,939	756	209	3,000	3,000	2,000	2,000	2,000	2,000
82682	REPAIR TO LINES		3,278	31,108		23,000	10,000	10,000	10,000	10,000
82683	WATER TANK MAINTENANCE SERVICES	11,064					-	-	-	-
82684	PUMP STATION REPAIR SERVICES	38,870	48,277	28,830	60,000	60,000	60,000	60,000	60,000	60,000
82699	OTHER REPAIR & MAINTENANCE SERVICES	500		9,840	2,500	2,500	2,500	5,000	5,000	5,000
	TOTAL REPAIR & MAINTENANCE SERVICES	73,883	79,020	124,619	121,500	144,500	130,500	133,000	133,000	133,000
82740	EMPLOYEE WELLNESS PROGRAM		397	397						
82750	EMPLOYEE RECOGNITION/RECEPTIONS	342	76	214			200	200	200	200
82760	SAFETY PROGRAMS									
82780	TRAINING, OUTSIDE	240	6,055	1,405	4,000	4,000	4,000	4,000	4,000	4,000
82790	TRAINING, IN-HOUSE		300	168						
	TOTAL EMPLOYEE PROGRAMS	582	6,828	2,184	4,000	4,000	4,200	4,200	4,200	4,200
82810	REGISTRATIONS	95	440	-	2,000	2,000	2,000	2,000	2,000	2,000
82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)	-	323	397	200	200	200	200	200	200
82830	AIR TRAVEL	-		-	600	600	600	600	600	600
82840	LODGING	-	1,505	291	1,500	1,500	1,500	1,500	1,500	1,500
82850	MEALS (OUTSIDE WILLIAMSON COUNTY)	141	425	357	400	400	400	400	400	400
82890	OTHER TRAVEL EXPENSES	-			200	200	200	200	200	200
	TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL	236	2,693	1,045	4,900	4,900	4,900	4,900	4,900	4,900
83110	OFFICE SUPPLIES	530	980	690	700	700	700	700	700	700
83120	OFFICE DÉCOR ITEMS (OTHER THAN FURNITURE)									
83130	EMPLOYEE BENEVOLENCE ITEMS		100				200	200	200	200
83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	1,269	1,720	1,714	1,000	1,000	1,000	1,200	1,200	1,200
	TOTAL OFFICE SUPPLIES	1,799	2,800	2,404	1,700	1,700	1,900	2,100	2,100	2,100
83210	TRAINING SUPPLIES	-	11	-	200	200	200	200	200	200
83220	CHEMICALS & LAB SUPPLIES	-		-	1,000	1,000	1,000	1,000	1,000	1,000
83240	MEDICAL SUPPLIES	165	361	401	500	500	500	500	500	500
83250	SAFETY SUPPLIES	10,004	11,313	13,026	8,400	8,400	8,400	9,000	8,400	8,400
83260	UNIFORMS PURCHASED	4,245	6,212	8,091	5,000	5,000	5,000	5,000	5,000	5,000
83270	CONSUMABLE TOOLS	3,653	5,676	6,205	10,200	10,200	10,200	10,200	10,200	10,200
83299	OTHER OPERATING SUPPLIES	4,641	4,454	6,031	3,000	5,000	6,000	7,000	8,000	9,000
	TOTAL OPERATING SUPPLIES	22,708	28,027	33,754	28,300	30,300	31,300	32,900	33,300	34,300
83310	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	21,415	25,157	32,681	28,900	42,113	45,000	47,500	49,000	50,470
83320	MILEAGE (INSIDE WILLIAMSON COUNTY)									

Wastewater Collection Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
	TOTAL FUEL & MILEAGE	21,415	25,157	32,681	28,900	42,113	45,000	47,500	49,000	50,470
83510	FURNITURE, FIXTURES (<\$25,000)		260	180	500	500	300	300	300	300
83520	VEHICLES (<\$25,000)	494		40,788	-	6,774	-	-	-	-
83530	MACHINERY & EQUIPMENT (<\$25,000)	48,707	12,300	43,181	31,000	31,000	31,000	35,000	35,000	35,000
83540	COMPUTER HARDWARE (<\$25,000)	2,184	3,710	358	3,600	3,600	6,300	4,300	4,300	4,300
83550	COMPUTER SOFTWARE (<\$25,000)	-	3,886	5,250	1,500	1,500	1,500	2,000	2,500	3,000
	TOTAL MACHINERY & EQUIPMENT (<\$25,000)	51,385	20,156	89,757	36,600	43,374	39,100	41,600	42,100	42,600
83610	VEHICLE PARTS & SUPPLIES	1,100	1,438	1,536	1,500	1,500	1,500	1,500	1,500	1,500
83620	EQUIPMENT PARTS & SUPPLIES	7,209	21,992	11,819	12,000	25,000	18,000	18,000	18,000	18,000
83640	PAVING REPAIR SUPPLIES	22,561	42,975	190,582	25,000	25,000	25,000	25,000	25,000	25,000
83652	LANDSCAPING SUPPLIES	73	1,146	282	500	500	500	500	500	500
83654	GROUNDS MAINTENANCE SUPPLIES	148	43	267	500	300	500	500	500	500
83660	BUILDING MAINTENANCE SUPPLIES	772	1,772	7,341	4,000	4,000	4,000	4,000	4,000	4,000
83682	UTILITY LINES REPAIR SUPPLIES	55,295	107,546	152,510	30,000	15,000	30,000	30,000	30,000	30,000
83684	PUMP STATION REPAIR SUPPLIES	37,171	47,490	51,412	35,000	52,000	20,000	35,000	35,000	35,000
83685	OTHER INVENTORY SUPPLIES				2,500	2,500	2,500	2,500	2,500	2,500
83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES	463	900		3,000	3,000	3,000	3,000	3,000	3,000
	TOTAL REPAIR & MAINTENANCE SUPPLIES	124,792	225,302	415,749	114,000	128,800	105,000	120,000	120,000	120,000
85110	PROPERTY INSURANCE	18,082	20,620	18,445	19,367	19,393	20,363	21,381	22,450	23,572
85111	FRAUD INSURANCE		-		-	574	603	633	664	698
85112	INLAND MARINE INSURANCE	2,490	-	3,850	4,043	4,043	4,245	4,457	4,680	4,914
85113	AUTO PHYSICAL DAMAGE	2,743	1,996	1,942	2,039	2,141	2,248	2,360	2,478	2,602
85115	LIABILITY INSURANCE	15,625	20,291	7,647	8,029	12,600	13,230	13,892	14,586	15,315
85116	E&O LIABILITY INSURANCE	1,737	-		-	5,000	5,250	5,513	5,788	6,078
85117	VEHICLE LIABILITY INSURANCE	9,571	8,733	10,787	11,326	11,326	11,892	12,487	13,111	13,767
85119	UMBRELLA LIABILITY		1,233	1,446	1,518	1,900	1,995	2,095	2,199	2,309
85120	PROPERTY DAMAGE COSTS		260		-		-	-	-	-
85122	VEHICLE CLAIMS/DEDUCTIBLES		312		-		-	-	-	-
85125	LIABILITY CLAIMS/DEDUCTIBLES	524	-		-		-	-	-	-
85127	VEHICLE LIABILITY CLAIMS/DEDUCTIBLES		2,076	(257)			-	-	-	-
85170	EASEMENTS ACQUIRED			24,500			50,000	50,000	50,000	50,000
	TOTAL PROPERTY & LIABILITY COSTS	50,772	55,521	68,360	46,322	56,977	109,826	112,816	115,958	119,256
85230	LAND USE RENTAL	778	1,406	250	500	640	500	650	650	650
85240	EQUIPMENT RENTAL & LEASES	148	9,041	4,736	1,000	1,000	1,000	1,000	1,000	1,000
	TOTAL RENTALS	926	10,447	4,986	1,500	1,640	1,500	1,650	1,650	1,650
85320	STATE FEES	1,564	1,787	2,141	1,500	1,500	1,500	1,500	1,500	1,500
85340	RECORDING & FILING FEES									
	TOTAL PERMITS	1,564	1,787	2,141	1,500	1,500	1,500	1,500	1,500	1,500
85530	E-COMMERCE FEES	8	36	8		34				
	TOTAL FINANCIAL FEES	8	36	8	-	34	-	-	-	-
86300	PAYING AGENT & OTHER DEBT FEES					192	200	200	200	200
86600	LEASE/LOAN PRINCIPAL	37,790	25,879	-	37,685	37,685	40,849	39,766	40,849	41,961
86700	LEASE/LOAN INTEREST	23,298	14,846	21,575	18,516	18,516	15,352	16,435	15,352	14,340

Wastewater Collection Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
	TOTAL DEBT SERVICE	61,088	40,725	21,575	56,201	56,393	56,401	56,401	56,401	56,502
Total Operations		545,007	721,491	1,061,423	597,831	1,101,990	891,712	873,456	833,416	844,430
Capital										
89320	DISTRIBUTION SYSTEMS				300,000	83,000				
	TOTAL IMPROVEMENTS	-	-		300,000	83,000	-	-	-	-
89520	VEHICLES (>\$25,000)	52,329	56,400		95,000		70,000	-		
89530	MACHINERY & EQUIPMENT (>\$25,000)	-	48,129	-	-	407,500		-		
89550	COMPUTER SOFTWARE (>\$25,000)									
	TOTAL MACHINERY & EQUIPMENT (>\$25,000)	52,329	104,529	-	95,000	407,500	70,000	-	-	-
Total Capital		52,329	104,529	-	395,000	490,500	70,000	-	-	-
TOTAL EXPENDITURES		1,852,057	2,192,335	2,470,827	2,694,384	3,204,243	2,751,593	2,761,950	2,827,269	2,950,932

Wastewater Plant Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
Personnel										
81110	REGULAR PAY	690,786	672,289	757,675	869,671	743,634	908,381	926,549	945,080	963,981
81120	OVERTIME PAY	47,349	45,767	36,885	25,000	43,098	25,000	25,000	25,000	25,000
81199	VACANCY ADJUSTMENT									
	TOTAL WAGES	738,135	718,056	794,560	894,671	786,732	933,381	951,549	970,080	988,981
81410	FICA (EMPLOYER'S SHARE)	52,862	51,318	56,554	63,894	65,067	69,491	70,881	72,299	73,745
81420	MEDICAL PREMIUMS	190,785	195,736	231,366	248,631	273,494	300,843	330,928	364,021	400,423
81430	GROUP INSURANCE PREMIUMS	15,675	14,822	16,769	16,656	17,489	18,363	19,282	20,246	21,258
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(43,204)	(43,268)	(53,764)	(52,951)	(58,246)	(64,071)	(70,478)	(77,525)	(85,278)
81450	RETIREMENT CONTRIBUTIONS	63,442	75,616	103,292	118,786	130,664	143,730	158,103	173,914	191,305
81455	DEFERRED COMP MATCH	3,001	2,448	7,185	7,862	8,649	9,514	10,465	11,512	12,663
81460	UNEMPLOYMENT CLAIMS		3,655	(814)						
81470	WORKERS COMPENSATION PREMIUMS	15,327	16,189	7,678	12,000	12,500	13,000	13,000	13,500	14,000
81475	WORKERS COMPENSATION CLAIMS	44,018	80,733	(11,349)						
	TOTAL BENEFITS	341,906	397,249	356,917	414,879	449,617	490,872	532,182	577,965	628,115
Total Personnel		1,080,041	1,115,305	1,151,477	1,309,550	1,236,349	1,424,253	1,483,731	1,548,045	1,617,096
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES	304	198	500	500	500	500	500	500	500
82120	FREIGHT FOR INBOUND PURCHASED ITEMS	2,542	8,652	4,000	3,000	3,500	3,000	3,000	3,000	3,000
82130	VEHICLE LICENSES & TITLES		36	-	100	100	100	100	100	100
82140	VEHICLE TOW-IN SERVICES									
	TOTAL TRANSPORTATION CHARGES	2,846	8,886	4,500	3,600	4,100	3,600	3,600	3,600	3,600
82210	PRINTING & COPYING SERVICES, OUTSOURCED	118	123							
82250	TESTING & PHYSICALS	686	804	1,000	400	1,000	700	700	1,500	1,500
82270	LANDFILL & BIOSOLIDS MANAGEMENT SERVICES	289,376	384,789	400,000	405,000	405,000	415,000	425,000	435,000	445,000
82280	LAB FEES	50,506	35,416	48,000	50,000	60,000	60,000	60,000	60,000	60,000
82299	OTHER OPERATING SERVICES			-	1,000	1,000	1,000	1,000	1,000	1,000
	TOTAL OPERATING SERVICES	340,686	421,132	449,000	456,400	467,000	476,700	486,700	497,500	507,500
82310	LEGAL NOTICES		155	100	1,000	200	500	500	500	500
82350	DUES FOR MEMBERSHIPS	702	650		500	500	500	500	500	500
82360	PUBLIC RELATIONS & EDUCATION (CITY SPONSORED)	759	724							
82390	PUBLICATIONS, NON-TRAINING	40								
	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	1,501	1,529	100	1,500	700	1,000	1,000	1,000	1,000
82410	ELECTRIC SERVICE	921,836	1,133,833	1,075,000	1,100,000	1,100,000	1,200,000	1,220,000	1,220,000	1,220,000
82411	SOLAR ARRAY	3,529	(11,876)	-	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)	(10,000)
82415	ELECTRIC SERVICE - STREETLIGHTS			-	-		-	-	-	-
82420	WATER & SEWER SERVICE	19,100	34,193	26,000	27,000	28,250	29,500	29,500	29,500	29,500
82430	STORMWATER SERVICE	4,174	5,008	5,008	5,008	5,008	5,008	5,008	5,008	5,008
82435	SOLID WASTE SERVICE	5,100	6,120	6,360	6,360	6,360	6,360	6,360	6,360	6,360
82440	NATURAL GAS SERVICE	9,248	6,423	5,000	7,000	7,000	7,000	7,000	7,000	7,000
82450	TELEPHONE SERVICE	2,305	3,190	3,300	3,350	3,350	3,350	3,350	3,350	3,350
82455	CELLULAR TELEPHONE SERVICE	2,048	2,690	2,350	2,350	2,350	2,350	2,350	2,350	2,350
82470	INTERNET & RELATED SERVICES						-	-	-	-
	TOTAL UTILITIES	967,340	1,179,581	1,123,018	1,141,068	1,142,318	1,243,568	1,263,568	1,263,568	1,263,568
82560	CONSULTANT SERVICES	35,572	51,764	32,760		972,000	3,000	3,000	3,000	3,000
82599	OTHER CONTRACTUAL SERVICES	520		7,435						

Wastewater Plant Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
	TOTAL CONTRACTUAL SERVICES	36,092	51,764	40,195	-	972,000	3,000	3,000	3,000	3,000
82610	VEHICLE REPAIR & MAINTENANCE SERVICES	22,203	27,640	18,000	25,000	25,000	25,000	25,000	25,000	25,000
82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES	55,100	122,097	75,000	65,000	110,000	110,000	110,000	110,000	110,000
82654	GROUPS MAINTENANCE SERVICES	120	5,135		500	2,940	500	500	500	500
82660	BUILDING REPAIR & MAINTENANCE SERVICES	31,110	15,827	18,000	10,000	10,000	12,000	12,000	12,000	12,000
82684	PUMP STATION REPAIR SERVICES		3,170		8,000	8,000	8,000	8,000	8,000	8,000
82699	OTHER REPAIR & MAINTENANCE SERVICES		915		4,000	18,975	10,000	10,000	10,000	10,000
	TOTAL REPAIR & MAINTENANCE SERVICES	108,533	174,784	111,000	112,500	174,915	165,500	165,500	165,500	165,500
82750	EMPLOYEE RECOGNITION/RECEPTIONS			200	350	350	500	500	500	500
82780	TRAINING, OUTSIDE		250	525						
82790	TRAINING, IN-HOUSE		54	189						
	TOTAL EMPLOYEE PROGRAMS	-	304	914	350	350	500	500	500	500
82810	REGISTRATIONS	1,265	1,460	1,500	1,500	1,200	1,200	1,200	1,200	1,200
82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)		21	400	500	500	500	500	500	500
82830	AIR TRAVEL			800	1,000		500	500	500	500
82840	LODGING	647	950	1,500	1,500	500	1,500	1,500	1,500	1,500
82850	MEALS (OUTSIDE WILLIAMSON COUNTY)	533	257	500	400	400	500	500	500	500
82890	OTHER TRAVEL EXPENSES									
	TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL	2,445	2,688	4,700	4,900	2,600	4,200	4,200	4,200	4,200
83110	OFFICE SUPPLIES	2,161	1,912	2,500	1,500	1,500	1,500	1,500	1,500	1,500
83120	OFFICE DÉCOR ITEMS (OTHER THAN FURNITURE)		904	-						
83130	EMPLOYEE BENEVOLENCE ITEMS	100	240	50						
83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	1,359	572	500	1,500	1,500	1,500	1,500	1,500	1,500
	TOTAL OFFICE SUPPLIES	3,620	3,628	3,050	3,000	3,000	3,000	3,000	3,000	3,000
83210	TRAINING SUPPLIES	177		-	100	100	100	100	100	100
83220	CHEMICALS & LAB SUPPLIES	215,865	223,747	185,000	190,000	190,000	200,000	200,000	200,000	200,000
83221	ODOR CONTROL CHEMICALS		21,162	40,000	40,000	40,000	40,000	40,000	40,000	40,000
83240	MEDICAL SUPPLIES		235	720	800	800	800	800	800	800
83250	SAFETY SUPPLIES	9,761	6,116	8,000	8,000	8,000	8,000	8,000	8,000	8,000
83260	UNIFORMS PURCHASED	5,961	5,709	3,200	3,500	3,500	3,500	3,500	3,500	3,500
83270	CONSUMABLE TOOLS	91	83	100	500	500	500	500	500	500
83299	OTHER OPERATING SUPPLIES	10,805	3,123	5,500	15,000	15,000	15,000	15,000	15,000	15,000
	TOTAL OPERATING SUPPLIES	242,660	260,175	242,520	257,900	257,900	267,900	267,900	267,900	267,900
83310	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	42,254	27,177	22,000	25,000	25,000	25,000	25,000	25,000	25,000
83320	MILEAGE (INSIDE WILLIAMSON COUNTY)									
	TOTAL FUEL & MILEAGE	42,254	27,177	22,000	25,000	25,000	25,000	25,000	25,000	25,000
83510	FURNITURE, FIXTURES (<\$25,000)	381	1,066	400	600	250	500	500	500	500
83520	VEHICLES (<\$25,000)			-	8,424		-	-	-	-
83530	MACHINERY & EQUIPMENT (<\$25,000)	3,009	4,914	40,000	60,000	60,000	60,000	60,000	60,000	60,000
83540	COMPUTER HARDWARE (<\$25,000)	3,365	2,580	3,000	4,600	4,600	4,000	3,000	5,000	5,000
83550	COMPUTER SOFTWARE (<\$25,000)			-	1,500		1,500	1,500	1,500	1,500
	TOTAL MACHINERY & EQUIPMENT (<\$25,000)	6,755	8,560	43,400	75,124	64,850	66,000	65,000	67,000	67,000
83610	VEHICLE PARTS & SUPPLIES	2,583	2,411	1,000	1,000	1,000	1,000	1,000	1,000	1,000
83620	EQUIPMENT PARTS & SUPPLIES	16,754	114,673	80,000	50,000	50,000	50,000	50,000	50,000	50,000
83630	FIRE HYDRANT SUPPLIES		1,048							
83640	PAVING REPAIR SUPPLIES	2,853								
83652	LANDSCAPING SUPPLIES		331							
83654	GROUPS MAINTENANCE SUPPLIES	826	4,282	1,500	2,000	1,000	1,000	1,000	1,000	1,000
83660	BUILDING MAINTENANCE SUPPLIES	8,499	22,016	15,000	6,000	6,000	16,000	8,000	8,000	8,000
83684	PUMP STATION REPAIR SUPPLIES	-	3,821		10,000	10,000	10,000	10,000	10,000	10,000

Wastewater Plant Detail - FY 2009-Present

<u>Acct. #</u>	<u>Acct. Description</u>	<u>A2015</u>	<u>A2016</u>	<u>A2017</u>	<u>B2018</u>	<u>EST2018</u>	<u>E2019</u>	<u>E2020</u>	<u>E2021</u>	<u>E2022</u>
83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES	76		26						
	TOTAL REPAIR & MAINTENANCE SUPPLIES	31,591	148,582	97,526	69,000	68,000	78,000	70,000	70,000	70,000
85110	PROPERTY INSURANCE	58,132	62,082	81,214	85,275	85,541	89,818	94,309	99,024	103,976
85111	FRAUD INSURANCE		-		-	917	963	1,011	1,062	1,115
85112	INLAND MARINE INSURANCE	646	-	615	646	643	675	709	744	782
85113	AUTO PHYSICAL DAMAGE	602	537	541	568	549	576	605	636	667
85115	LIABILITY INSURANCE	6,932	9,040	14,672	15,406	3,591	3,771	3,959	4,157	4,365
85116	E&O LIABILITY INSURANCE	2,993	-		-	7,772	8,161	8,569	8,997	9,447
85117	VEHICLE LIABILITY INSURANCE	2,201	11,993	4,109	4,314	17,314	18,180	19,089	20,043	21,045
85119	UMBRELLA LIABILITY		2,144	2,774	2,913	3,011	3,162	3,320	3,486	3,660
85120	PROPERTY DAMAGE COSTS	5,704			-		-	-	-	-
85127	VEHICLE LIABILITY CLAIMS/DEDUCTIBLES	13,180	337		-		-	-	-	-
85170	EASEMENTS ACQUIRED									
	TOTAL PROPERTY & LIABILITY COSTS	90,390	86,133	103,925	109,122	119,338	125,305	131,570	138,149	145,056
85240	EQUIPMENT RENTAL & LEASES	882	3,201	500	2,000	2,000	2,000	2,000	2,000	2,000
	TOTAL RENTALS	882	3,201	500	2,000	2,000	2,000	2,000	2,000	2,000
85310	PERMITS									
85320	STATE FEES	10,408	12,235	15,000	12,500	12,500	12,500	12,500	12,500	12,500
85340	RECORDING & FILING FEES									
	TOTAL PERMITS	10,408	12,235	15,000	12,500	12,500	12,500	12,500	12,500	12,500
85530	E-COMMERCE FEES					40,940				
85580	LATE CHARGES									
	TOTAL FINANCIAL FEES	-	-	-	-	40,940	-	-	-	-
Total Operations		1,888,003	2,390,359	2,261,348	2,273,964	3,357,511	2,477,773	2,505,038	2,524,417	2,541,324
Capital										
89230	BUILDING IMPROVEMENTS			600,000		396,263	-	-	-	
	TOTAL BUILDINGS	-	-	600,000	-	396,263	-	-	-	-
89520	VEHICLES (>\$25,000)	-	-	50,000	180,000	180,000	180,000			
89530	MACHINERY & EQUIPMENT (>\$25,000)	35,934	-	250,000	365,000	365,000	365,000			
89550	COMPUTER SOFTWARE (>\$25,000)									
	TOTAL MACHINERY & EQUIPMENT (>\$25,000)	35,934	-	300,000	545,000	545,000	545,000	-	-	-
Total Capital		35,934	-	900,000	545,000	941,263	545,000	-	-	-
TOTAL EXPENDITURES		3,003,978	3,505,664	4,312,825	4,128,514	5,535,123	4,447,026	3,988,769	4,072,461	4,158,421

Utility Admin Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
Personnel										
81110	REGULAR PAY	575,814	693,031	749,846	825,599	742,383	841,888	875,564	910,586	947,010
81120	OVERTIME PAY	6,865	4,330	6,527	2,000	5,009	2,000	2,000	2,000	2,000
81150	TEMPORARY WORK BY NON-CITY EMPLOYEES	553	-							
81199	VACANCY ADJUSTMENT				(27,714)		(29,466)	(30,645)	(31,871)	(33,145)
	TOTAL WAGES	583,232	697,361	756,373	799,885	747,392	814,421	846,920	880,716	915,864
81410	FICA (EMPLOYER'S SHARE)	43,506	52,072	55,892	60,553	63,859	64,404	66,981	69,660	72,446
81420	MEDICAL PREMIUMS	80,617	85,910	111,544	114,626	113,318	124,650	137,115	150,827	165,909
81430	GROUP INSURANCE PREMIUMS	8,353	9,826	10,305	10,559	10,862	11,406	11,976	12,575	13,203
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(18,285)	(19,469)	(26,720)	(23,666)	(35,858)	(39,444)	(43,389)	(47,728)	(52,500)
81450	RETIREMENT CONTRIBUTIONS	42,295	57,824	78,988	84,907	54,502	59,952	65,947	72,542	79,796
81455	DEFERRED COMP MATCH	6,286	13,941	18,111	15,939	27,749	21,215	23,337	25,670	28,237
81460	UNEMPLOYMENT CLAIMS					8,146				
81470	WORKERS COMPENSATION PREMIUMS	1,292	520	1,375	1,474		1,706	1,877	2,064	2,271
81475	WORKERS COMPENSATION CLAIMS	532	80							
	TOTAL BENEFITS	164,596	200,704	249,495	264,392	242,578	243,889	263,843	285,610	309,362
Total Personnel		747,828	898,065	1,005,868	1,064,277	989,969	1,058,310	1,110,763	1,166,325	1,225,227
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES	51	373	194	300	300	350	350	350	350
82120	FREIGHT FOR INBOUND PURCHASED ITEMS		22							
82130	VEHICLE LICENSES & TITLES		72	45	150	100	200	200	200	200
82140	VEHICLE TOW-IN SERVICES									
	TOTAL TRANSPORTATION CHARGES	51	467	239	450	400	550	550	550	550
82210	PRINTING & COPYING SERVICES, OUTSOURCED	173	348	566	400	400	400	400	400	400
82250	TESTING & PHYSICALS	1,007	520	522	260	400	300	300	300	300
82299	OTHER OPERATING SERVICES									
	TOTAL OPERATING SERVICES	1,180	868	1,088	660	800	700	700	700	700
82310	LEGAL NOTICES	206	62		1,000	1,000	1,000	1,000	1,000	1,000
82350	DUES FOR MEMBERSHIPS	532	13,149	8,955	5,200	5,200	5,200	5,200	5,200	5,200
82360	PUBLIC RELATIONS & EDUCATION (CITY SPONSORED)	4,201	1,144	404	3,000	3,000	3,000	3,000	3,000	3,000
82373	RECRUITMENT			343						
82390	PUBLICATIONS, NON-TRAINING				500	500	500	500	500	500
	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	4,939	14,355	9,702	9,700	9,700	9,700	9,700	9,700	9,700
82450	TELEPHONE SERVICE	727	816	837	1,093	1,126	1,159	1,200	1,200	1,200
82451	800 MHZ ACCESS LINE SERVICE	2,338	2,588	2,600	2,600	2,600	2,600	2,600	2,600	2,600
82455	CELLULAR TELEPHONE SERVICE	3,806	6,432	6,605	6,450	6,450	6,450	6,500	6,500	6,500
82470	INTERNET & RELATED SERVICES	993	109	-	1,202	1,238	1,275	1,275	1,275	1,275
	TOTAL UTILITIES	7,864	9,945	10,042	11,345	11,414	11,484	11,575	11,575	11,575
82540	ENGINEERING SERVICES		11,250							
82560	CONSULTANT SERVICES		3,743	19,320						
82599	OTHER CONTRACTUAL SERVICES	1,682	1,180							
	TOTAL CONTRACTUAL SERVICES	1,682	16,173	19,320	-	-	-	-	-	-

Utility Admin Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
82610	VEHICLE REPAIR & MAINTENANCE SERVICES	2,754	1,215	1,084	2,800	2,800	2,500	2,500	2,500	2,500
82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES	211			1,000	1,000	1,000	1,000	1,000	1,000
82660	BUILDING REPAIR & MAINTENANCE SERVICES		756		1,500	1,500	1,500	1,500	1,500	1,500
82699	OTHER REPAIR & MAINTENANCE SERVICES									
TOTAL REPAIR & MAINTENANCE SERVICES		2,965	1,971	1,084	5,300	5,300	5,000	5,000	5,000	5,000
82740	EMPLOYEE WELLNESS PROGRAM									
82750	EMPLOYEE RECOGNITION/RECEPTIONS	976	854	232	400	400	400	400	400	400
82780	TRAINING, OUTSIDE		535	1,510						
82790	TRAINING, IN-HOUSE			117						
TOTAL EMPLOYEE PROGRAMS		976	1,389	1,859	400	400	400	400	400	400
82810	REGISTRATIONS	2,479	1,320	1,325	4,100	2,500	4,100	4,100	4,100	4,100
82820	GROUND TRANSPORTATION (OUTSIDE WILLIAMSON COUNTY)	377	881	561	700	700	700	700	700	700
82830	AIR TRAVEL	266	1,617	835	2,300	2,300	2,300	2,300	2,300	2,300
82840	LODGING	3,792	3,115	3,773	3,200	2,000	3,200	3,200	3,200	3,200
82850	MEALS (OUTSIDE WILLIAMSON COUNTY)	237	410	436	700	300	700	700	700	700
82890	OTHER TRAVEL EXPENSES				100	100	100	100	100	100
TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL		7,151	7,343	6,930	11,100	7,900	11,100	11,100	11,100	11,100
83110	OFFICE SUPPLIES	751	937	965	1,000	1,000	1,000	1,000	1,000	1,000
83120	OFFICE DÉCOR ITEMS (OTHER THAN FURNITURE)		13							
83130	EMPLOYEE BENEVOLENCE ITEMS	302	391	434	450	450	450	450	450	450
83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	917	839	441	500	500	500	500	500	500
TOTAL OFFICE SUPPLIES		1,970	2,180	1,840	1,950	1,950	1,950	1,950	1,950	1,950
83250	SAFETY SUPPLIES	600	935	671	650	300	500	500	500	500
83260	UNIFORMS PURCHASED	1,608	2,286	2,381	1,000	1,000	1,000	1,000	1,000	1,000
83270	CONSUMABLE TOOLS		176	470						
83299	OTHER OPERATING SUPPLIES	373	157	484						
TOTAL OPERATING SUPPLIES		2,581	3,554	4,006	1,650	1,300	1,500	1,500	1,500	1,500
83310	GASOLINE & DIESEL FOR FLEET (INSIDE WILLIAMSON COUNTY)	10,847	8,844	6,701	15,200	4,188	15,500	16,000	17,600	19,360
83320	MILEAGE (INSIDE WILLIAMSON COUNTY)									
TOTAL FUEL & MILEAGE		10,847	8,844	6,701	15,200	4,188	15,500	16,000	17,600	19,360
83510	FURNITURE, FIXTURES (<\$25,000)	750	585	749		1,100	750	750	750	750
83530	MACHINERY & EQUIPMENT (<\$25,000)	244	8,377	1,859	5,000	2,500	3,000	3,000	3,000	3,000
83540	COMPUTER HARDWARE (<\$25,000)	1,648	4,334	8,500	5,000	5,000	8,300	6,300	5,300	5,300
83550	COMPUTER SOFTWARE (<\$25,000)		24,437	762	12,000	12,000	15,000	15,000	15,000	15,000
TOTAL MACHINERY & EQUIPMENT (<\$25,000)		2,642	37,733	11,870	22,000	20,600	27,050	25,050	24,050	24,050
83610	VEHICLE PARTS & SUPPLIES	33		9						
83620	EQUIPMENT PARTS & SUPPLIES	21	28	29						
83652	LANDSCAPING SUPPLIES		211							
83654	GROUPS MAINTENANCE SUPPLIES		100	268						
83660	BUILDING MAINTENANCE SUPPLIES	233	204	62						
83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES									
TOTAL REPAIR & MAINTENANCE SUPPLIES		287	543	368	-	-	-	-	-	-
85110	PROPERTY INSURANCE	1,131	1,595	1,022	1,073	941	988	1,037	1,089	1,144
85111	FRAUD INSURANCE		-		-	234	246	258	271	284
85112	INLAND MARINE INSURANCE	45	-	45	47	43	45	47	50	52
85113	AUTO PHYSICAL DAMAGE	162	146	142	149	200	210	221	232	243
85115	LIABILITY INSURANCE	1,974	2,504	3,528	3,704	917	963	1,011	1,062	1,115

Utility Admin Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
85116	E&O LIABILITY INSURANCE	852	-		-	1,985	2,084	2,188	2,298	2,413
85117	VEHICLE LIABILITY INSURANCE	995	1,026	2,055	2,708	1,596	1,676	1,760	1,848	1,940
85119	UMBRELLA LIABILITY		594	667	700	769	807	848	890	935
85120	PROPERTY DAMAGE COSTS		-		-	(240)	(252)	(265)	(278)	(292)
85140	SURETY/NOTARY BONDS		-	-	50	50	50	50	50	50
85170	EASEMENTS ACQUIRED	3,522	-		-		-			
TOTAL PROPERTY & LIABILITY COSTS		8,681	5,865	7,459	8,431	6,495	6,817	7,155	7,511	7,884
85230	LAND USE RENTAL	50								
85240	EQUIPMENT RENTAL & LEASES				-					
TOTAL RENTALS		50	-	-	-	-	-	-	-	-
85310	PERMITS									
85320	STATE FEES	28,556	1,029	990	3,000	3,000	3,000	3,000	3,000	3,000
85340	RECORDING & FILING FEES	766	23	55			-	-	-	-
TOTAL PERMITS		29,322	1,052	1,045	3,000	3,000	3,000	3,000	3,000	3,000
85530	E-COMMERCE FEES			21						
85540	BILLING SERVICES	10	1	-						
85580	LATE CHARGES									
TOTAL FINANCIAL FEES		10	1	21	-	-	-	-	-	-
Total Operations		83,198	112,283	83,574	91,186	73,447	94,751	93,680	94,636	96,769
Capital										
89320	DISTRIBUTION SYSTEMS	85,135								
TOTAL IMPROVEMENTS		85,135	-	-	-	-	-	-	-	-
89520	VEHICLES (>\$25,000)	-	26,899		70,000		60,000	-	-	-
89550	COMPUTER SOFTWARE (>\$25,000)									
TOTAL MACHINERY & EQUIPMENT (>\$25,000)		-	26,899	-	70,000	-	60,000	-	-	-
Total Capital		85,135	26,899	-	70,000	-	60,000	-	-	-
TOTAL EXPENDITURES		916,161	1,037,247	1,089,442	1,225,463	1,063,416	1,213,062	1,204,441	1,260,961	1,321,995

Wastewater General Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
Personnel										
81110	REGULAR PAY				32,372	32,372	150,000	157,500	165,375	173,644
	TOTAL WAGES	-	-		32,372	32,372	150,000	157,500	165,375	173,644
81420	MEDICAL PREMIUMS	60,235	45,279	46,516	47,911	47,911	52,353	54,971	57,719	60,605
81440	EMPLOYEE INSURANCE CONTRIBUTIONS	(11,239)	(12,776)	(13,563)	(13,970)	(13,970)	(15,266)	(16,029)	(16,831)	(17,672)
	TOTAL BENEFITS	48,996	32,503	32,953	33,941	33,941	37,087	38,941	40,888	42,933
Total Personnel		48,996	32,503	32,953	66,313	66,313	187,087	196,441	206,263	216,577
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES	30								
82120	FREIGHT FOR INBOUND PURCHASED ITEMS	-								
	TOTAL TRANSPORTATION CHARGES	30	-	-	-	-	-	-	-	-
82210	PRINTING & COPYING SERVICES, OUTSOURCED	423	170							
	TOTAL OPERATING SERVICES	423	170	-	-	-	-	-	-	-
82310	LEGAL NOTICES	690		206						
82350	DUES FOR MEMBERSHIPS	30	30	30						
	TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY	720	30	236	-	-	-	-	-	-
82520	LEGAL SERVICES	185,046	479,596	200,000	10,000	207,000	50,000	50,000	50,000	50,000
82530	AUDIT SERVICES	12,250	11,875	12,000	12,500	13,000	13,000	13,000	13,000	13,000
82540	ENGINEERING SERVICES	141,723	67,240	-	-	-	-	-	-	-
82560	CONSULTANT SERVICES	1,720	16,680	50,000	160,000	369,672	220,800	90,000	150,000	150,000
82599	OTHER CONTRACTUAL SERVICES	76,431	187,305	100,000	178,000	228,000	263,000	213,000	263,000	263,000
	TOTAL CONTRACTUAL SERVICES	417,170	762,696	362,000	360,500	817,672	546,800	366,000	476,000	476,000
82890	OTHER TRAVEL EXPENSES	7,671								
	TOTAL PROFESSIONAL DEVELOPMENT/TRAVEL	7,671	-	-	-	-	-	-	-	-
84710	ADMIN SERVICES PROVIDED BY GENERAL FUND	1,029,289	1,037,990	1,081,927	1,121,229	1,122,212	1,155,878	1,178,996	1,202,576	1,226,627
	TOTAL OPERATIONAL UNITS	1,029,289	1,037,990	1,081,927	1,121,229	1,122,212	1,155,878	1,178,996	1,202,576	1,226,627
85170	EASEMENTS ACQUIRED			23,000						
	TOTAL PROPERTY & LIABILITY COSTS	-	-	23,000	-	-	-	-	-	
85310	PERMITS	6,000	6,250	950		950				
85320	STATE FEES		500	250						

Wastewater General Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	E2019	E2020	E2021	E2022
85340	RECORDING & FILING FEES		21,823	(18,772)		545				
	TOTAL PERMITS	6,000	28,573	(17,572)	-	1,495	-	-	-	
85570	BAD DEBT EXPENSE (NET OF RECOVERIES)	11,458	21,176	20,000	20,000	20,000	20,000	20,000	20,000	20,000
85575	LEAK ADJUSTMENTS				25,000	25,000	25,000	25,000	25,000	25,000
	TOTAL FINANCIAL FEES	11,458	21,176	20,000	45,000	45,000	45,000	45,000	45,000	45,000
86100	PRINCIPAL	823,900	820,000	858,500	872,800	872,800	915,800	909,450	915,800	922,000
86200	INTEREST	435,594	384,516	353,395	310,784	310,784	177,606	222,741	177,606	145,000
86300	PAYING AGENT & OTHER DEBT FEES	723	261	700	700	700	700	700	700	700
88095	TRANSFER TO DEBT SERVICE FUND	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
	TOTAL DEBT SERVICE	1,360,217	1,304,777	1,312,595	1,284,284	1,284,284	1,194,106	1,232,891	1,194,106	1,167,700
Total Operations		2,832,978	3,155,412	2,782,186	2,811,013	3,270,663	2,941,784	2,822,887	2,917,682	2,915,327
Capital										
89120	EASEMENTS ACQUIRED					158,550				
	TOTAL LAND	-	-	-	-	158,550	-	-	-	
89320	DISTRIBUTION SYSTEMS	3,177,420		1,500,000	3,100,000	6,423,680	3,612,850	3,687,850	3,681,850	4,000,000
	TOTAL IMPROVEMENTS	3,177,420	-	1,500,000	3,100,000	6,423,680	3,612,850	3,687,850	3,681,850	4,000,000
Total Capital		3,177,420	-	1,500,000	3,100,000	6,423,680	3,612,850	3,687,850	3,681,850	4,000,000
TOTAL EXPENDITURES		6,059,394	3,187,915	4,315,139	5,977,326	9,760,656	6,741,721	6,707,178	6,805,795	7,131,904



City of Franklin, Tennessee

FY 2019 Operating Budget

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. The Reclaimed Water Section produces and distributes water for commercial irrigation use within the City's water service area. There are no dedicated personnel assigned to this division. Personnel from the Service Divisions 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. A benefit of reclaimed water, in addition to a low cost alternative for irrigation water, is that it reduces loading of effluent to the Harpeth River. While the use of reclaimed water is typically seasonal, the Department has been and will continue to evaluate other disposal concepts that would reduce effluent discharge to the river that are consistent with the permit.

Though reclaimed water is not an essential service, it is imperative that the Department be able to serve the demands for the system. It is projected that the existing Long Lane Water Tank (500,000 gallons) will be converted to a reclaimed storage facility in the future to provide for demands in the southern area of the City. Additional storage facilities are being considered using existing department property.



City of Franklin, Tennessee

FY 2019 Operating Budget

Budget

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F (E-C)</u>	<u>G (E/C)</u>
	Actual	Actual	Budget	Estd	Budget	Difference '18 vs. '19	
	2016	2017	2018	2018	2019	\$	%
Personnel							
Salaries & Wages	-	-	-	-	-	-	0.0%
Employee Benefits	-	-	-	-	-	-	0.0%
Total Personnel	-	-	-	-	-	-	0.0%
Operations							
Transportation Services	-	-	250	200	200	(50)	-20.0%
Operating Services	-	-	-	-	-	-	0.0%
Notices, Subscriptions, etc.	-	-	100	100	100	-	0.0%
Utilities	12	50	50	50	50	-	0.0%
Contractual Services	-	-	-	15,000	180,500	180,500	0.0%
Repair & Maintenance Services	-	12,000	12,000	20,375	17,000	5,000	41.7%
Employee programs	-	-	-	-	-	-	0.0%
Professional Development/Travel	-	-	-	-	-	-	0.0%
Office Supplies	-	-	-	-	-	-	0.0%
Operating Supplies	36,930	65,500	110,200	110,000	110,400	200	0.2%
Fuel & Mileage	-	-	-	-	-	-	0.0%
Supplies for Resale	-	-	-	-	-	-	0.0%
Machinery & Equipment (<\$25,000)	-	-	2,000	2,000	2,000	-	0.0%
Repair & Maintenance Supplies	1,259	42,035	15,500	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	44,913	65,975	65,975	65,975	65,975	-	0.0%
Total Operations	83,114	185,560	206,075	229,200	391,725	185,650	90.1%
Capital	-	-	-			-	0.0%
Total Reclaimed Water	83,114	185,560	206,075	229,200	391,725	185,650	90.1%

Reclaimed Water Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	F2019	F2020	F2021	F2022
Personnel										
Operations										
82110	MAILING & OUTBOUND SHIPPING SERVICES				100	50	50	50	50	50
82120	FREIGHT FOR INBOUND PURCHASED ITEMS				150	150	150	150	150	150
82140	VEHICLE TOW-IN SERVICES									
TOTAL TRANSPORTATION CHARGES		-	-	-	250	200	200	200	200	200
82310	LEGAL NOTICES				100	100	100	100	100	100
82390	PUBLICATIONS, NON-TRAINING									
TOTAL NOTICES, SUBSCRIPTIONS, PUBLICITY		-	-	-	100	100	100	100	100	100
82420	WATER & SEWER SERVICE	9	12	50	50	50	50	50	50	50
82470	INTERNET & RELATED SERVICES									
TOTAL UTILITIES		9	12	50	50	50	50	50	50	50
82560	CONSULTANT SERVICES					15,000	180,500			
82599	OTHER CONTRACTUAL SERVICES									
TOTAL CONTRACTUAL SERVICES		-	-	-		15,000	180,500			
82620	EQUIPMENT REPAIR & MAINTENANCE SERVICES			5,000	5,000	20,000	10,000	10,000	10,000	10,000
82684	PUMP STATION REPAIR SERVICES			5,000	5,000		5,000	5,000	5,000	5,000
82699	OTHER REPAIR & MAINTENANCE SERVICES			2,000	2,000	375	2,000	2,000	2,000	2,000
TOTAL REPAIR & MAINTENANCE SERVICES		-	-	12,000	12,000	20,375	17,000	17,000	17,000	17,000
83140	MEALS & FOOD (INSIDE WILLIAMSON COUNTY)	1,884								
TOTAL OFFICE SUPPLIES		1,884	-	-		-				
83220	CHEMICALS & LAB SUPPLIES	86,664	36,930	65,000	110,000	110,000	110,000	110,000	110,000	110,000
83250	SAFETY SUPPLIES	69		500						
83270	CONSUMABLE TOOLS				200		200	200	200	200
83299	OTHER OPERATING SUPPLIES	23					200	200	200	200
TOTAL OPERATING SUPPLIES		86,756	36,930	65,500	110,200	110,000	110,400	110,400	110,400	110,400
83530	MACHINERY & EQUIPMENT (<\$25,000)				2,000	2,000	2,000	2,000	2,000	2,000
83550	COMPUTER SOFTWARE (<\$25,000)									
TOTAL MACHINERY & EQUIPMENT (<\$25,000)		-	-	-	2,000	2,000	2,000	2,000	2,000	2,000
83620	EQUIPMENT PARTS & SUPPLIES	351			2,000	2,000	2,000	2,000	2,000	2,000
83630	FIRE HYDRANT SUPPLIES	60								
83640	PAVING REPAIR SUPPLIES		112							
83660	BUILDING MAINTENANCE SUPPLIES			35	500	500	500	500	500	500
83680	METER REPAIR & REPLACEMENT SUPPLIES	7,210	-		5,000	5,000	5,000	5,000	5,000	5,000
83682	UTILITY LINES REPAIR SUPPLIES	7,089	1,147	25,000	4,000	4,000	4,000	4,000	4,000	4,000
83684	PUMP STATION REPAIR SUPPLIES			17,000	2,000	2,000	2,000	2,000	2,000	2,000
83699	OTHER REPAIR & MAINTENANCE PARTS & SUPPLIES				2,000	2,000	2,000	2,000	2,000	2,000
TOTAL REPAIR & MAINTENANCE SUPPLIES		14,710	1,259	42,035	15,500	15,500	15,500	15,500	15,500	15,500

Reclaimed Water Detail - FY 2009-Present

Acct. #	Acct. Description	A2015	A2016	A2017	B2018	EST2018	F2019	F2020	F2021	F2022
86600	LEASE/LOAN PRINCIPAL	37,790	22,644	43,066	45,444	45,444	46,682	48,082	49,525	51,011
86700	LEASE/LOAN INTEREST	23,298	22,269	22,909	20,531	20,531	19,293	18,714	18,153	17,608
TOTAL DEBT SERVICE		61,088	44,913	65,975	65,975	65,975	65,975	66,797	67,678	68,619
Total Operations		164,447	83,114	185,560	206,075	229,200	391,725	212,047	212,928	213,869
Capital										
89230	BUILDING IMPROVEMENTS							500,000	500,000	
TOTAL BUILDINGS		-	-	-		-		500,000	500,000	
Total Capital		-	-	-	-	-	-	500,000	500,000	-
TOTAL EXPENDITURES		164,447	83,114	185,560	206,075	229,200	391,725	712,047	712,928	213,869



City of Franklin, Tennessee **FY 2019 Operating Budget**

Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

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. The rate increase for wastewater services will decreased to 5.5% annually based on a cost of service study performed in FY 2016. These 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,

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. A cost of services study is currently underway. This forecast will be refined in the ensuing months.

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



City of Franklin, Tennessee

FY 2019 Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

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
TOTALS		3	3	3	3	3

Water Distribution

Service Division Superintendent	I	1	1	1	1	1
Service Division Assistant Superintendent	G	1	1	1	1	1
Utilities Crew Chief	E	3	3	3	3	3
Backflow Inspector	E	2	2	2	3	3
Administrative Assistant	D	1	1	1	1	1
Inventory Specialist	D	1	1	1	1	1
Utility Locate Technician	D	2	2	2	2	2
Equipment Operator	D	3	3	3	3	3
Utility Service Worker	C	4	4	4	4	4
Administrative Secretary	B	1	1	1	1	1
TOTALS		19	19	19	20	20

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	---	2	2	2	2	0
Administrative Assistant	D	1	1	1	1	1
Water Operator	D	3	3	3	3	5
TOTALS		13	13	13	13	13

Water Section Totals

35 35 35 36 36

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	1	1	1	1	1
Administrative Secretary	B	0	0	0	0	0
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	B	2	2	2	2	2
TOTALS		14	14	14	14	14



City of Franklin, Tennessee

FY 2019 Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

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.

Wastewater Collection						
Service Division Assistant Superintendent	G	1	1	1	1	1
Construction Supervisor	F	1	1	1	1	1
TV Truck Sewer Inspector	D	2	2	2	2	2
Maintenance Technician	E	4	4	4	4	4
Utilities Crew Chief	E	3	3	3	3	3
Equipment Operator	D	4	4	4	4	4
Sewer Equipment Technician	D	4	4	4	4	4
Utility Locate Technician	D	2	2	2	2	2
Utility Service Worker	C	5	5	5	5	5
TOTALS		26	26	26	26	26

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	1	1	1	1	1
Equipment Operator	D	2	2	2	2	2
Wastewater Operator	D	8	8	8	8	8
TOTALS		19	19	19	19	19

WASTEWATER SECTION TOTALS		59	59	59	59	59
----------------------------------	--	-----------	-----------	-----------	-----------	-----------

Total All Employees, Water & Wastewater		94	94	94	95	95
--	--	-----------	-----------	-----------	-----------	-----------



City of Franklin, Tennessee

FY 2018-2019 Biennial Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
Water					
Revenues					
Interest Income	\$ 12,500	\$ 12,500	\$ 12,500	\$ 12,500	\$ 20,000
Rental Income	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000
Sale of Surplus Assets	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Money & Property	\$ 36,500	\$ 36,500	\$ 36,500	\$ 36,500	\$ 44,000
Customer Service	\$ 11,582,574	\$ 12,442,642	\$ 12,878,134	\$ 13,328,869	\$ 13,795,380
Inspection Fees	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Other Service Revenue	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 95,000
Customer Service	\$ 11,737,574	\$ 12,597,642	\$ 13,033,134	\$ 13,483,869	\$ 13,950,380
Available Funds	\$ 11,774,074	\$ 12,634,142	\$ 13,069,634	\$ 13,520,369	\$ 13,994,380
Expenses					
Personnel	\$ 2,316,239	\$ 2,540,704	\$ 2,653,721	\$ 2,773,676	\$ 2,881,083
Operations	\$ 7,625,161	\$ 8,317,054	\$ 8,269,858	\$ 8,416,411	\$ 8,632,889
Capital	\$ 1,567,000	\$ 1,985,000	\$ 2,065,650	\$ 2,159,500	\$ 2,123,000
Total Water	\$ 11,508,400	\$ 12,842,758	\$ 12,989,229	\$ 13,349,587	\$ 13,636,971
Surplus/(Deficit)	\$ 265,674	\$ (208,616)	\$ 80,405	\$ 170,782	\$ 357,408

Water Forecast

The five-year forecast for Water Services maintains current service levels and rate increases. 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). This amount will fund costs of the projects identified through the Integrated Water Resource Plan. Detail on rate funded capital can be found in the Appendices section.



City of Franklin, Tennessee

FY 2018-2019 Biennial Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
Divisions					
Water Distribution	2,101,415	2,066,316	2,009,250	2,060,415	2,093,888
Water Treatment/Plant	5,643,579	6,068,155	6,137,933	6,366,891	6,598,428
Utility Billing	164,813	201,004	214,258	195,176	205,810
Water General	3,598,593	4,507,283	4,627,789	4,727,105	4,908,846
Total Water	11,508,403	12,842,758	12,989,231	13,349,587	13,806,971

Expense by Category					
Personnel					
Salaries & Wages	1,565,781	1,681,402	1,747,329	1,815,939	1,867,344
Employee Benefits	750,458	859,301	906,393	957,737	1,013,739
Total Personnel	2,316,239	2,540,704	2,653,722	2,773,676	2,881,083

Operations					
Transportation Services	3,175	3,075	3,175	3,175	3,075
Operating Services	26,600	28,400	28,400	28,400	28,400
Notices, Subscriptions, etc.	13,450	13,450	13,450	13,450	13,450
Utilities	213,550	223,025	228,830	234,875	241,076
Contractual Services	175,125	167,125	164,250	124,250	124,250
Repair & Maintenance Services	98,200	100,500	100,500	100,500	100,500
Employee programs	7,200	7,200	7,200	7,200	7,200
Professional Development/Travel	8,900	8,250	8,250	8,250	8,250
Office Supplies	4,400	4,100	4,100	4,100	4,100
Operating Supplies	321,550	320,100	330,100	340,100	350,100
Fuel & Mileage	37,775	39,676	41,453	43,308	45,246
Supplies for Resale	4,050,000	4,375,000	4,375,000	4,525,000	4,675,000
Machinery & Equipment (<\$25,000)	100,100	93,100	88,400	61,400	61,400
Repair & Maintenance Supplies	246,700	255,000	255,000	255,000	255,000
Operational Units	1,261,384	1,299,226	1,338,202	1,378,348	1,419,699
Property & Liability Costs	84,920	108,479	113,905	119,598	125,578
Rentals	2,000	2,000	2,000	2,000	2,000
Financial Fees	15,050	15,050	15,050	15,050	15,050
Permits	38,100	37,500	35,500	35,500	35,500
Debt Service and Lease Payments	916,983	1,216,799	1,117,095	1,116,907	1,118,016
Total Operations	7,625,162	8,317,054	8,269,859	8,416,411	8,632,889

Buildings	-	-	-	-	-
Improvements	1,300,000	1,815,000	1,895,650	1,989,500	2,123,000
Machinery & Equipment (>\$25,000)	267,000	170,000	170,000	170,000	170,000
Capital	1,567,000	1,985,000	2,065,650	2,159,500	2,293,000

Total Water Forecast	11,508,401	12,842,758	12,989,231	13,349,587	13,806,971
-----------------------------	-------------------	-------------------	-------------------	-------------------	-------------------



City of Franklin, Tennessee

FY 2018-2019 Biennial Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
Wastewater					
Revenues					
Interest Income	\$ 80,000	\$ 84,554	\$ 86,245	\$ 87,970	\$ 89,729
Rental Income	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800	\$ 2,800
Sale of Surplus Assets	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Money & Property	\$ 82,800	\$ 87,354	\$ 89,045	\$ 90,770	\$ 92,529
Customer Service	\$ 17,693,606	\$ 19,810,868	\$ 20,900,466	\$ 22,049,991	\$ 23,262,741
Inspection Fees	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
Other Service Revenue	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
Customer Service	\$ 17,808,606	\$ 19,925,868	\$ 21,015,466	\$ 22,164,991	\$ 23,377,741
Available Funds	\$ 17,891,406	\$ 20,013,222	\$ 21,104,511	\$ 22,255,761	\$ 23,470,270
Expenses					
Personnel	\$ 4,141,693	\$ 4,459,530	\$ 4,679,429	\$ 4,914,486	\$ 5,165,402
Operations	\$ 5,773,995	\$ 6,406,021	\$ 6,295,060	\$ 6,370,150	\$ 6,397,850
Capital	\$ 3,810,000	\$ 4,287,850	\$ 3,687,850	\$ 3,681,850	\$ 3,628,500
Total Wastewater	\$ 13,725,688	\$ 15,153,401	\$ 14,662,340	\$ 14,966,486	\$ 15,191,752
Surplus/(Deficit)	\$ 4,165,718	\$ 4,859,821	\$ 6,442,171	\$ 7,289,275	\$ 8,278,518

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 2018-2019 Biennial Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
Divisions					
Wastewater Collection	2,694,384	2,751,593	2,761,950	2,827,269	2,950,932
Wastewater Plant	4,128,514	4,447,026	3,988,769	4,072,461	4,158,421
Utility Administration	1,225,463	1,213,062	1,204,441	1,260,961	1,321,995
Wastewater General	5,977,326	6,741,721	6,707,178	6,805,795	6,759,904
Total Wastewater	14,025,688	15,153,402	14,662,340	14,966,486	15,191,252
Expense by Category					
Personnel					
Salaries & Wages	2,884,346	3,086,845	3,191,373	3,299,791	3,412,255
Employee Benefits	1,257,347	1,372,685	1,488,056	1,614,695	1,753,147
Total Personnel	4,141,693	4,459,530	4,679,429	4,914,486	5,165,402
Operations					
Transportation Services	4,850	4,950	4,950	4,950	4,950
Operating Services	460,760	481,750	492,000	503,100	513,400
Notices, Subscriptions, etc.	16,800	16,300	16,300	16,300	16,300
Utilities	1,294,721	1,404,887	1,429,032	1,433,150	1,437,495
Contractual Services	360,500	749,800	519,000	579,000	579,000
Repair & Maintenance Services	239,300	301,000	303,500	303,500	303,500
Employee programs	4,750	5,100	5,100	5,100	5,100
Professional Development/Travel	20,900	20,200	20,200	20,200	20,200
Office Supplies	6,650	6,850	7,050	7,050	7,050
Operating Supplies	287,850	300,700	302,300	302,700	303,700
Fuel & Mileage	69,100	85,500	88,500	91,600	94,830
Supplies for Resale	-	-	-	-	-
Machinery & Equipment (<\$25,000)	133,724	132,150	131,650	133,150	133,650
Repair & Maintenance Supplies	183,000	183,000	190,000	190,000	190,000
Operational Units	1,121,229	1,155,878	1,178,996	1,202,576	1,226,627
Property & Liability Costs	163,875	241,948	251,541	261,618	272,196
Rentals	3,500	3,500	3,650	3,650	3,650
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	1,250,507	1,289,292	1,250,507	1,224,202
Total Operations	5,773,994	6,406,021	6,295,060	6,370,150	6,397,850
Capital					
Buildings	-	-	-	-	-
Improvements	3,400,000	3,612,850	3,687,850	3,681,850	3,628,500
Machinery & Equipment (>\$25,000)	710,000	675,000	-	-	-
Capital	4,110,000	4,287,850	3,687,850	3,681,850	3,628,500

Total Wastewater	14,025,688	15,153,401	14,662,340	14,966,486	15,191,752
-------------------------	-------------------	-------------------	-------------------	-------------------	-------------------



City of Franklin, Tennessee

FY 2018-2019 Biennial Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
Reclaimed Water					
Revenues					
Interest Income	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100
Use of Money & Property	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100
Customer Service	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Penalties	\$ 250	\$ 250	\$ 250	\$ 250	\$ 250
Inspection Fees	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Other Service Revenue	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500
Customer Service	\$ 204,750	\$ 204,750	\$ 204,750	\$ 204,750	\$ 204,750
Available Funds	\$ 204,850	\$ 204,850	\$ 204,850	\$ 204,850	\$ 204,850
Expenses					
Personnel	\$ -	\$ -	\$ -	\$ -	\$ -
Operations	\$ 206,075	\$ 391,725	\$ 212,047	\$ 212,928	\$ 213,869
Capital	\$ -	\$ -	\$ 500,000	\$ 500,000	\$ -
Total Reclaimed Water	\$ 206,075	\$ 391,725	\$ 712,047	\$ 712,928	\$ 213,869
Surplus/(Deficit)	\$ (1,225)	\$ (186,875)	\$ (507,197)	\$ (508,078)	\$ (9,019)

Reclaimed Water Forecast

The five-year forecast for Reclaimed Water Services maintains current service levels and rates. The forecast shows deficits in FY 2018 through FY 2022.



City of Franklin, Tennessee

FY 2018-2019 Biennial Operating Budget

Appendix I: Water & Sewer Forecasts (Operating & Capital) - FY 2018-2022

	Budget 2018	Budget 2019	Budget 2020	Budget 2021	Budget 2022
Personnel					
Salaries & Wages					
Employee Benefits					
Total Personnel	-	-	-	-	-
Operations					
Transportation Services	250	200	200	200	200
Operating Services	-	-	-	-	-
Notices, Subscriptions, etc.	100	100	100	100	100
Utilities	50	50	50	50	50
Contractual Services	-	-	-	-	-
Repair & Maintenance Services	12,000	17,000	17,000	17,000	17,000
Employee programs	-	-	-	-	-
Professional Development/Travel	-	-	-	-	-
Office Supplies	-	-	-	-	-
Operating Supplies	110,200	110,400	110,400	110,400	110,400
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	66,797	67,678	68,619
Total Operations	206,075	211,225	212,047	212,928	213,869
Capital	-	180,500	500,000	500,000	12,500
Total Reclaimed Water	206,075	391,725	712,047	712,928	226,369



Water & Sewer Forecasts (Operating & Capital) - FY 2018-2027

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.

Project	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	TOTAL
Wastewater Renewal											
Spencer Creek Sanitary Sewer Replacement		\$ 1,480,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,480,000
Sewer Interceptor Point Repair Projects (Contractor)		\$ 500,000	\$ 500,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 3,450,000
Sewer Lateral CIPP Rehab		\$ 100,000	\$ 100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 550,000
Sewer Rehab On-Call Services (mains)		\$ 450,000	\$ 450,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 3,300,000
Sewer Rehab On-Call Services (MH)		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 800,000
Southeast Municipal Complex	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Mack Hatcher Alignment Sewer Design	\$ -	\$ 7,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,850
Frazier Drive Sanitary Sewer Rehabilitation (P.F. Changes)	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Adams Street Infrastructure Improvements	\$ -	\$ -	\$ 810,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 810,000
Holiday Court Lift Station Rehabilitation		\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Church Street Infrastructure Improvements		\$ 25,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000
Evans Street Sewer Improvements	\$ -	\$ -	\$ 452,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 452,500
New Hope Academy Sewer Line Replacement	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
East McEwen Drive Improvements - Phase 4	\$ -	\$ -	\$ 179,850	\$ 179,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 359,700
Forrest Street Infrastructure	\$ -	\$ -	\$ 217,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 217,500
Franklin Road Improvements & Streetscape	\$ -	\$ -	\$ 78,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,000
Gist Street Infrastructure Improvements	\$ -	\$ -		\$ 250,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Natchez Street Sewer Replacement	\$ -	\$ -	\$ -	\$ 720,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Battle Avenue Infrastructure Replacement	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 1,165,000	\$ -	\$ -	\$ -	\$ -	\$ 1,285,000
Jordan Road Improvements	\$ -	\$ -	\$ -	\$ 26,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,400



Water & Sewer Forecasts (Operating & Capital) - FY 2018-2027

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.

Project	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	TOTAL
Mallory/N Royal Oaks & Liberty Intersection Imp.	\$ -	\$ -	\$ -	\$ 112,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 112,600
S. Margin Infrastructure Upgrades (1st - Columbia)	\$ -	\$ -	\$ -	\$ 643,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 643,000
Eastview Circle Infrastructure Improvements	\$ -	\$ -	\$ -	\$ -	\$ 212,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 212,500
Buckworth Infrastructure Improvements	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Maple Street Sewer Improvements	\$ -	\$ -	\$ -	\$ -	\$ 306,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 306,000
Carolyn Avenue Infrastructure Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 270,000	\$ -
West Main Infrastructure Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 200,000	\$ 100,000	\$ -	\$ 550,000
Lewisburg Avenue Sewer Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ 180,000
Confederate Drive Sewer Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 340,000	\$ -	\$ -	\$ -	\$ 340,000
N Royal Oaks Blvd (Alexander Plaza to Liberty Pk)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 179,280	\$ -	\$ -	\$ 179,280
Carothers Parkway Widening (Falcon Creek to SR-96)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 360,000	\$ 360,000	\$ -	\$ 720,000
Beta Drive Extension	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,000	\$ -	\$ -	\$ 36,000
South Prong Sanitary Sewer Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,225,000	\$ -	\$ 1,225,000
Unidentified Wastewater Infrastructure Improvements	\$ -	\$ -	\$ 550,000	\$ 850,000	\$ 2,000,000	\$ 1,600,000	\$ 2,000,000	\$ 2,050,000	\$ 1,150,000	\$ 2,750,000	\$ 12,950,000
Wastewater Renewal	\$ -	\$ 3,612,850	\$ 3,687,850	\$ 3,681,850	\$ 3,628,500	\$ 3,665,000	\$ 3,670,000	\$ 3,725,280	\$ 3,735,000	\$ 3,920,000	\$ 17,625,330

Water Renewal

Bobby Drive Water Line Replacement	\$ -	\$ 430,000	\$ 425,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 855,000
Hillsboro Rd to Claude Yates WWTP water line replacement	\$ -	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000
16" Water Line Long Lane Connector		\$ -	\$ 60,000	\$ 25,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,085,000
Adams Street Infrastructure Improvements	\$ -	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000

Water & Sewer Forecasts (Operating & Capital) - FY 2018-2027

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.

Project	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	TOTAL
Franklin Road Improvements & Streetscape	\$ -	\$ -	\$ 155,650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,650
Church Street Infrastructure Improvements	\$ -	275000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,000
Old Carters Creek Pike Water Line	\$ -		\$ 430,000	\$ 360,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 790,000
S. Margin Infrastructure Upgrades (1st - Columbia)	\$ -	\$ -	\$ -	\$ 295,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,000
Forrest Street Infrastructure	\$ -	\$ -	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 145,000
Walnut Drive Water Improvements	\$ -	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000
Oakwood Transmission Main Improvements - Phase 1	\$ -	\$ -	\$ 150,000	\$ 850,000	\$ 850,000	-	-	-	-	-	\$ 1,850,000
West End Circle Infrastructure Improvements	\$ -	\$ -	\$ -	\$ 127,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,000
Long Lane/Old Peytonsville Rd Connector at I-65 - Reclaimed	\$ -	\$ -	\$ -	\$ 7,500	\$ 12,500	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 170,000
Gist Street Infrastructure Improvements	\$ -	\$ -	\$ -	\$ 150,000		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Alicia Drive Water Line Replacement	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Battle Avenue Infrastructure Replacement	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 585,000	\$ -	\$ -	\$ -	\$ -	\$ 665,000
Cummins Street Water Improvements	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Water Line from Fourth Ave S to Berry Circle		\$ -	\$ -	\$ -	\$ 93,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 93,000
Old Hillsboro Rd Water Line	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 295,000	\$ -	\$ 375,000
Murfreesboro Rd Water line Replacement	\$ -	\$ -	\$ -	\$ -	\$ 67,500	\$ 675,000	\$ -	\$ -	\$ -	\$ -	\$ 742,500
Eastview Circle Infrastructure Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ 315,000
Lewisburg Pike Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -	\$ -	\$ -	\$ 120,000
Buckworth Infrastructure Improvements	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
West Main Infrastructure Improvements			\$ -	\$ -		\$ -	\$ 150,000	\$ 1,500,000	\$ 1,000,000	\$ -	\$ 2,650,000
Beta Drive Extension	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,000	\$ -	\$ -	\$ 11,000



Water & Sewer Forecasts (Operating & Capital) - FY 2018-2027

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.

Project	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	TOTAL
Highway 96W Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ 240,000
Liberty Pike water line replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 360,000	\$ -	\$ -	\$ -	\$ 360,000
Carolyn Avenue Infrastructure Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000	\$ 140,000
Manley Lane dead end removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 445,000	\$ 545,000
Lee Drive Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000
Glass Lane Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 255,000	\$ -	\$ -	\$ -	\$ 255,000
Westview Apt Water Line Replacement (510 96W)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ -	\$ -	\$ -	\$ 110,000
N Royal Oaks Blvd (Alexander Plaza to Liberty Pk)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 313,500	\$ -	\$ -	\$ 313,500
Carothers Parkway Widening (Falcon Creek to SR-96)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,000	\$ 165,000	\$ 330,000
Cothran Drive Water Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ -	\$ -	\$ -	\$ 120,000
Green Acres Drive	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 120,000
Perkins Drive Water Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 240,000	\$ -	\$ 240,000
Grassland Tank Demolition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 270,000	\$ 270,000
Scruggs Avenue Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ -	\$ 175,000
Morning Side Drive	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ -	\$ -	\$ -	\$ 110,000
Unidentified Water Infrastructure Improvement Projects	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -	\$ 850,000	\$ 1,850,000
Water Renewal	\$ -	\$ 1,815,000	\$ 1,895,650	\$ 1,989,500	\$ 2,123,000	\$ 1,965,000	\$ 1,950,000	\$ 1,904,500	\$ 1,975,000	\$ 1,990,000	\$ 12,277,000
Reclaimed Water											
Reclaimed Water Masterplan Update	\$ 15,000	\$ 180,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195,500
Long Lane/Old Peytonsville Rd Connector at I-65 - Reclaimed	\$ -	\$ -	\$ -	\$ 7,500	\$ 12,500	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 170,000



Water & Sewer Forecasts (Operating & Capital) - FY 2018-2027

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.

Project	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	TOTAL
Unidentified Reclaimed Water Infrastructure Improvement Projects	\$ -	\$ -	\$ 500,000	\$ 492,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 992,500
Reclaimed Water	\$ 15,000	\$ 180,500	\$ 500,000	\$ 500,000	\$ 12,500	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 1,358,000