



RIVERBEND RESOLUTION NO. 20180926-02

**ADOPTING THE FY 2017-2018 MEMBER ENTITIES' TRUE-UP
AND FY 2018-2019 WHOLESALE WATER RATES AND FEES OF THE
TEXARKANA WATER UTILITIES**

WHEREAS, Riverbend Water Resources District is a conservation and reclamation district created under and essential to accomplish the purposes of Section 59 Article XVI, Texas Constitution, existing pursuant to and having the powers set forth in Chapter 9601 of the Special District Local Laws Code of the State of Texas; and

WHEREAS, Riverbend Water Resources District is charged with oversight of the annual True-Up conducted amongst and between the City of Texarkana, Texas and all Member Entities; and

WHEREAS, Texarkana Water Utilities conducted a review of its previous annual budget, calculated FY 2017-2018 water consumption calculations, and proposed an annual budget for FY 2018-2019 to be used in establishing the wholesale water rates; and

WHEREAS, Riverbend Water Resources District held an annual True-Up meeting on August 22, 2018 at 10:00 a.m. at the Riverbend Offices to discuss the True-Up Process and information provided by the City of Texarkana, Texas and its water department through Texarkana Water Utilities; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Riverbend Water Resources District hereby adopts the FY 2017-2018 Member Entities' True-Up and FY 2018-2019 wholesale water rates and fees of the Texarkana Water Utilities.

PASSED and APPROVED this 26th day of September, 2018



Marshall Wood, President

ATTEST:



Sean Rommel, Secretary

Attached: 2017-2018 Member City Rate Calculation Packet provided by Texarkana Water Utilities

Member City
Water Rate
Calculation
2019

City of Texarkana, Texas
Proposed Water Production Rate Assumptions
9/30/2019

Assumptions regarding the 2019 Water Rate:

- 1) The water rate is determined based on the adopted FY 2019 Water Department Budget.
- 2) The administration overhead rate has been calculated using **6.26%** of total budget water production costs using the method approved last year for the FY 2018 budget billing.
- 3) The 2017 True up is not included in the actual water rate. Once the true up has been decided, it will be billed monthly as an amount on each individual Member City monthly billing.
- 4) The infrastructure cost is not included in the actual water rate. Once the cost has been decided, it will be billed monthly as an amount on each individual Member City monthly billing.
- 5) The debt service cost is not included in the actual water rate. Once the cost has been decided, it will be billed monthly as an amount on each individual Member City monthly billing.
- 6) Monthly billings will use estimated gallons as projected in the current budget.
- 7) The water rate calculated for 2019 excludes the amount due to Riverbend. Each City will be responsible for remitting their amount directly to Riverbend.

CALCULATION OF OVERHEAD PERCENTAGE

From FY 2017 Audited Amounts

	2017 Audited Amounts
Admin Divisions:	
Administration	463,599
Finance	443,052
Safety/Security	75,090
Engineering	36,296
GIS	23,997
Information Technology	25,007
Total Admin	1,067,041
Other Divisions:	
Customer Service	819,216
Water Production	3,976,485
Water Distribution	1,080,598
Sewer Collection	1,083,034
Wastewater	4,032,993
Environmental Services	366,221
Information Technology	971,583
Engineering	483,175
GIS	319,442
Composting	295,769
Operations Admin	251,882
Service Center	566,855
Water/Swr Constr	1,216,881
Field Services	525,538
Total Other	15,989,672
Total Expenses	17,056,713
Admin % of Total	6.26%

FY17 Audit Amounts:

Oper Div Total	23,039,580
Less:	
Depr	(5,292,430)
Other Expenses	(690,437)
Total	17,056,713
Rounding Difference	0

CALCULATION OF OVERHEAD PERCENTAGE

From FY 2017 Audited Amounts

Engineering & GIS Divisions Allocation to OH:

Engineering-Division 710	519,471
GIS-Division 740	<u>343,439</u>
Total	<u>862,910</u>

			Engineering Division 710	GIS Division 740	Total
<u><i>FY17 Capital Project Hours:</i></u>					
WP & MW Projects	872	6.99%	36,296	23,997	60,293
Other Projects	<u>11,608</u>	<u>93.01%</u>	<u>483,175</u>	<u>319,442</u>	<u>802,617</u>
Total	<u>12,480</u>	<u>100.00%</u>	<u>519,471</u>	<u>343,439</u>	<u>862,910</u>

Information Technology (IT) Division Allocation to OH:

Information Tech- Division 230	<u>996,590</u>
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			Info Tech Division 230
<u><i>FY17 IT Logged Workorder Hours:</i></u>			
Division 410	139	2.34%	
Division 420	10	0.17%	
Total WP & MW	149	2.51%	25,007
Other Utility Divisions	<u>5,789</u>	<u>97.49%</u>	<u>971,583</u>
Total	<u>5,938</u>	<u>100.00%</u>	<u>996,590</u>

TEXARKANA WATER UTILITIES

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET POSITION For the Year Ended September 30, 2017

With Comparative Totals for the Year Ended September 30, 2016

	Texarkana, Arkansas Water Utilities			Texarkana, Texas Water Utilities
Operating revenues:				
Water sales	\$ 3,832,936			6,830,236
Wholesale water sales	35,665			1,959,393
Water connection fees	2,755	8,058,202	•00000+	7,475
Sewer charges	3,909,580	14,981,574	•00000+	6,567,094
Penalties and service charges	424,369	1,951,211	•00000+	653,961
Other income	799,242	3,331,210	•00000+	1,129,436
Total operating revenues	9,004,547			17,147,595
Operating expenses:				
Administrative	176,567	1,953,700	•00000+	287,032
Finance	484,121	674,839	•00000+	955,521
Customer service	306,545	006		512,671
Water production	1,155,740	17,056,715	•00000x	2,820,745
Water distribution	418,821			661,777
Sewer collection	402,651			680,383
Wastewater treatment	1,439,104			2,593,889
Environmental service	134,813			231,408
Engineering design	212,100			307,371
Geographical information systems	128,318			215,121
Composting	110,750			185,019
Operations administration	94,766			157,116
Service center	343,141			223,714
Safety/Security	28,088			47,002
Field service	197,532	21,996	5,504	328,006
Construction oversight	448,347	4,996	1,537	768,534
Depreciation	1,961,211	103,588	17,135	3,331,219
Other expenses	15,587	1,206	409	674,850
Contract water & sewer expense-International Paper				
Total operating expense	8,058,202	248,360	60,791	14,981,378
Operating income (loss)	946,345	218,029	29,081	2,166,217
Nonoperating revenues (expense):				
Interest revenue - investments	29,952	534	78	139,145
Interest revenue - capital leases	125,648			12,657
Interest expense and paying agent fees	(581,248)	(57,462)	(7,949)	(136,219)
Interest expense - capital leases				(125,648)
Gain (loss) on disposal of capital assets	(1,978)	(70)	(23)	(5,996)
Total nonoperating revenues (expenses)	(427,626)	(56,998)	(7,894)	(116,061)
Income before contributions and transfers	518,719	161,031	21,187	2,050,156
Capital contributions				39,364
Transfers out	(255,377)			(39,997)
Change in net position	263,342	161,031	21,187	2,049,523
Total net position, beginning of year	42,451,281	625,313	129,383	69,719,472
Total net position, end of year	\$ 42,714,623	786,344	150,570	71,768,995

The notes to the financial statements are an integral part of this statement.

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

	<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>	
EXPENDITURES					
Personal Services	1,139,227	1,317,571	1,216,279	1,394,455	
Supplies	827,276	887,600	941,126	1,001,330	
Repairs & Maintenance	174,498	231,749	226,749	216,749	
Contractual Services	640,516	628,409	677,432	687,019	
Capital Outlay	0	0	0	0	
TOTAL	2,781,517	3,065,329	3,061,586	3,299,553	
PERSONAL SERVICES					
511100 Supervision	153,588	163,050	155,732	166,174	
511111 Management-Regular	23,707	23,857	24,881	24,387	
511113 Management-Incentive	1,838	1,838	1,838	1,838	
511211 Supervision-Reg Pay	118,357	132,355	121,988	134,949	
511212 Supervision-Overtime	9,686	5,000	7,025	5,000	
511214 Supervision-Standby	0	0	0	0	
511411 Maintenance & Oper	520,521	658,914	556,872	698,963	+ 6.08%
511412 Overtime	74,538	43,000	95,499	43,000	
511414 Standby	0	0	0	0	
511415 Shift Differential	6,940	7,500	6,963	7,500	
511523 Payout-Comp Time	236	0	0	0	
511611 Temporary Labor	37,011	10,000	16,155	20,000	
511811 Stipend	0	0	0	0	
512111 Longevity	7,128	8,175	8,049	8,685	
512112 Group Insurance	118,304	160,891	130,538	175,624	
512114 Retirement	123,249	145,768	137,213	149,925	
512115 Social Security	56,320	67,369	62,968	70,711	
512116 Workmen's Comp	19,092	21,154	19,190	22,523	
512117 Unemployment	1,151	1,400	0	1,000	
512118 Employee Screening	256	250	0	250	
512121 Incentive	0	0	0	0	
512100 Education & Training	20,893	30,100	27,100	30,100	
512122 Seminars	4,358	6,000	3,000	6,000	
512123 Training Schools	6,088	10,000	10,000	10,000	
512124 Travel	8,422	8,000	8,000	8,000	
512125 Books & Subscriptions	0	100	100	100	
512126 Dues	1,284	3,000	3,000	3,000	
512127 Licenses	696	3,000	3,000	3,000	
512128 Awards & Certificates	45	0	0	0	
519999 Salary & Ben Transfer	0	0	0	0	
TOTAL	1,139,227	1,317,571	1,216,279	1,394,455	+ 5.84%
SUPPLIES					
521100 Office Supplies	1,775	2,250	2,100	2,100	
521111 Paper	330	450	300	300	
521112 Writing Instruments	22	50	50	50	

FY 19
to
FY 18
Change

TEXARKANA WATER UTILITIES
WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>	
521113	Computer Supplies	631	1,000	1,000	1,000	
521114	Other Off Sup & Exp	792	750	750	750	
521115	Minor Software	0	0	0	0	
521200	Operating Supplies	7,307	8,500	8,500	8,500	
521211	Consumable Items	4,720	6,000	6,000	6,000	
521212	Non Consumable Items	2,587	2,500	2,500	2,500	
521311	Botanical Supplies	2,042	0	200	200	
521400	Safety	9,556	16,900	35,196	25,050	
521411	Personal Protect Equip	1,667	4,000	4,000	4,000	
521413	Emergency Response Eq	864	0	132	150	
521415	Facilities Maintenance	6,937	12,000	30,164	20,000	
521417	Laboratory & Environ	88	300	300	300	
521418	Storage & Handling	0	100	100	100	
521419	Grounds Maintenance	0	500	500	500	
521700	Minor Tools	2,275	8,000	6,000	6,000	
521711	Electronic Tools	30	2,000	1,000	1,000	
521712	Hand Tools	697	3,000	3,000	3,000	
521713	Power Tools	1,548	3,000	2,000	2,000	
521900	Wearing Apparel	6,116	8,300	7,800	7,800	
521911	Uniform Cost	171	0	0	0	
521912	Uniform Maintenance	5,945	8,000	7,000	7,000	
521913	All Weather Gear	0	300	300	300	
521919	Other Wearing Apparel			500	500	
522300	Laundry & Janitorial	2,548	3,000	3,000	3,000	
522311	Laundry Service					
522312	Janitorial Service	1,692	2,000	2,000	2,000	
522313	Laundry & Jan Supplies	856	1,000	1,000	1,000	
522500	Lab & Photo Supplies	26,716	32,500	32,500	34,000	
522511	Lab Supplies	5,262	6,000	6,000	6,000	
522512	Lab Chemicals	21,454	25,000	25,000	25,000	
522513	Lab Equipment Repairs	0	1,500	1,500	3,000	
522521	Photo Supplies & Exp	0				
522700	Printing	713	1,000	1,000	1,000	
522711	Stationery					
522712	Billing Forms	0				
522713	Other Forms	367	500	500	500	
522719	Other	346	500	500	500	
522800	Chemicals - Plant	707,052	755,650	793,330	862,180	
522811	Activated Carbon					
522812	Anhydrous Ammonia	27,099	21,400	25,000	25,000	
522813	Calcium Hypochlorinate					
522815	Caustic Soda	269,273	344,250	344,250	413,100	+ 20.00%
522816	Chlorine	48,735	50,000	64,080	64,080	
522817	Copper Sulphate					
522819	Hydrated Lime	0				
522821	Liquid Alum	249,289	260,000	260,000	260,000	
522822	Polymer	0	0	0	0	

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>	
522823	Potassium Permanganate					
522824	Sodium Chlorite	90,453	60,000	80,000	80,000	+ 33.33%
522826	Zinc Ortho Phosphate	20,834	20,000	20,000	20,000	
522827	Sodium Hydroxide					
522839	Other	1,369	0	0	0	
522900	Chemicals - Lake	61,176	51,500	51,500	51,500	
522914	Carbon	61,176	50,000	50,000	50,000	
522916	Chlorine	0				
522917	Copper Sulphate	0	1,500	1,500	1,500	
522939	Other	0	0	0	0	
TOTAL		827,276	887,600	941,126	1,001,330	+ 12.81%

REPAIRS & MAINTENANCE

531111	Office Machines & Eq	0	0	0	0
531200	Motor Vehicles	14,583	25,400	19,700	24,700
531211	Antifreeze	21	100	100	100
531212	Batteries	224	400	400	400
531213	Filters	209	500	300	300
531214	Fuel	11,852	18,000	13,000	18,000
531215	Lubricates	181	500	500	500
531216	Parts	1,096	2,000	1,500	1,500
531217	Tires	0	2,000	2,000	2,000
531218	Labor	0	100	100	100
531219	Subcontracts	1,000	1,500	1,500	1,500
531221	Towing				
531239	Repairs Other	0	300	300	300
531700	Machinery & Equip	3,208	7,800	10,000	13,000
531711	Antifreeze		100	100	100
531712	Batteries	0	200	200	200
531713	Filters	76	500	200	200
531714	Fuel	1,453	3,000	2,000	3,000
531715	Lubricates	90	500	5,000	7,000
531716	Parts	952	1,500	1,500	1,500
531717	Tires	632	1,500	500	500
531718	Labor	0	500	500	500
531719	Subcontracts	0			
531739	Repairs Other	5			
531800	Signal Equipment	2,014	3,500	3,500	3,500
531811	Radios	0	500	500	500
531812	Telemetry	2,014	3,000	3,000	3,000
532100	Building	5,643	10,500	9,000	9,000
532111	Heating & Cooling	4,457	4,500	4,500	4,500
532112	Other Building	1,186	4,000	3,000	3,000
532113	Grounds & Parking Lots	0	2,000	1,500	1,500
533100	Water Treatment Equip	109,157	130,000	130,000	112,000
533111	Intake	18,669	40,000	40,000	22,000
533112	Plant	88,572	70,000	70,000	70,000

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>	
533113	Booster Stations	1,916	20,000	20,000	20,000	
533200	Water Transmission Mains	24,657	29,000	29,000	29,000	
533211	Raw Water Mains	112	4,000	4,000	4,000	
533212	Treated Water Mains	5,069	5,000	5,000	5,000	
533213	Member Cities Mains	19,476	20,000	20,000	20,000	
533500	Fire Hydrants	0	0	0	0	
533511	Fire Hydrants					
533512	Fire Hydrants-LTWSC					
533600	Tanks & Reservoirs	20,211	30,000	30,000	30,000	
533611	MC Tanks & Reservoirs	14,187	20,000	15,000	15,000	
533612	Other Tanks & Reserv	6,024	10,000	15,000	15,000	
534100	Sewer Equipment R & M	500	1,000	1,000	1,000	
534121	Sewer Instrument R&M	500	1,000	1,000	1,000	
533711	Sludge Pond Maintenance					
539998	Equipment Utilization	0	0	0	0	
539999	Equipment Apportionment	(5,475)	(5,451)	(5,451)	(5,451)	
TOTAL		174,498	231,749	226,749	216,749	- 6.47%

CONTRACTUAL SERVICES

541111	Accounting & Audit	2,344	5,692	5,270	5,692	
541311	Communications	11,702	15,000	11,000	11,000	
541700	Rentals	6,856	4,000	4,000	4,000	
541711	Equipment Rental	6,856	4,000	4,000	4,000	
541712	Building Rental					
541900	Fees and Permits	51,737	53,500	54,597	52,500	
541911	Water System Serv Fee	51,737	52,000	51,737	52,000	
541912	Water System Permits	0	500	500	500	
541919	Other Fees & Permits	0	1,000	0	0	
541931	Fines & Penalties			2,360		
542411	Freight Charges					
543111	Refuse Hauling	2,013	2,000	2,115	2,115	
543400	Insurance	42,239	42,555	44,181	44,472	
543411	Property Insurance	35,070	35,200	36,306	36,325	
543412	Liability Insurance	3,648	3,655	3,912	4,147	
543413	Automotive Insurance	3,521	3,700	3,963	4,000	
543600	Laboratory Services	15,656	14,800	14,140	14,800	
543611	State Lab Fees	755	800	755	800	
543612	Commercial Lab Fees	14,901	12,000	12,385	13,000	
543613	Comm Lab Fees-Other	0	2,000	1,000	1,000	
543900	Legal	0	0	0	0	
543911	Legal Advertising					
543913	Attorney Fees					
544100	Maintenance Contracts	5,233	11,924	12,388	12,699	
544111	Computer					
544112	Software	3,211	8,000	7,500	7,500	
544113	Internet Service	1,157	924	1,525	1,836	
544119	Other Maint Contract	865	3,000	3,363	3,363	

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual 16-17</i>	<i>Budget 17-18</i>	<i>Revised 17-18</i>	<i>Budget 18-19</i>	
544900	Postage	2,109	2,625	2,125	2,125	
544911	Postage	0	125	125	125	
544912	Special Delivery	2,109	2,500	2,000	2,000	
545200	Power Purchases	283,795	283,000	285,303	290,303	+ 2.58%
545211	Electrical	279,179	275,000	275,000	280,000	
545212	Gas	4,616	8,000	10,303	10,303	
545511	Power Purchases - Lake	216,101	190,000	240,000	245,000	+ 28.95%
545700	Special Services	118	2,700	1,700	1,700	
545711	One Call Services					
545712	Pest Control		200	200	200	
545719	Other Special Services	118	2,500	1,500	1,500	
546311	Water Rights	613	613	613	613	
TOTAL		640,516	628,409	677,432	687,019	+ 9.33%

CAPITAL OUTLAY

551114	Machinery & Equipment	0	0	0	0
551115	Communications Equip	0	0	0	0
TOTAL		0	0	0	0

TOTAL BUDGET	2,781,517	3,065,329	3,061,586	3,299,553	+ 7.64%
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100% Texas

3,299,553

<u>16-17 Actual Exp not included on budget sheet above:</u>	
Pay Out - Annual Leave	0
Pay Out - Post Ret Ins	236
Accrued Payroll	5,265
Accrued Vacation and Sick	1,946
Accrued Laundry & Janitorial	(5)
Accrued Water Treatment Equip	480
Accrued Special Delivery Service	0
Accrued Power Purchases- Plant	9,988
Accrued Power Purchases- Lake	24,141
	<u>42,050</u>
<u>Reconciliation:</u>	
Total Actual Exp Above for 16-17	2,781,517
Additional Expenses for 16-17	42,050
	<u>2,823,567</u>
Balance on 2017 True Up Detail (pg 27)	2,823,566
Difference (Rounding)	1

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

	<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>
EXPENDITURES				
Personal Services	352,327	302,699	278,887	334,041
Supplies	139,351	279,625	245,811	254,275
Repairs & Maintenance	124,581	95,582	97,925	95,425
Contractual Services	601,885	702,995	660,304	710,262
Capital Outlay	0	0	0	0
TOTAL	1,218,144	1,380,901	1,282,927	1,394,003

FY 19
to
FY 18
Change

PERSONAL SERVICES

511200	Supervision	50,841	54,520	47,063	55,692
511111	Management-Regular	23,855	23,857	23,305	24,387
511113	Management-Incentive	1,838	1,838	1,838	1,838
511211	Supervision-Regular	24,062	28,325	21,420	28,967
511212	Supervision-Overtime	1,071	500	500	500
511214	Supervision-Standby	15	0	0	0
511411	Maintenance & Oper	168,099	149,565	134,912	173,255
511412	Overtime	27,537	5,000	8,354	5,000
511415	Shift Differential	1,348	500	500	500
511523	Payout- Comp Time	0	0	0	0
511611	Temporary Labor	300	0	0	0
511811	Stipend	0	0	0	0
512111	Longevity	5,688	3,780	4,389	4,260
512112	Group Insurance	34,698	30,807	29,667	31,332
512114	Retirement	40,850	35,429	32,543	38,833
512115	Social Security	19,989	16,374	14,934	18,315
512116	Workmen's Comp	2,085	1,677	1,478	1,807
512118	Employee Screening	92	47	47	47
512121	Incentive	0	0	0	0
512100	Education & Training	800	5,000	5,000	5,000
512122	Seminars	70		0	0
512123	Training Schools	0	2,000	2,000	2,000
512124	Travel	280	2,000	2,000	2,000
512125	Books & Subscriptions				
512126	Dues	120	500	500	500
512127	Licenses	330	500	500	500
512128	Awards & Certificates				
519999	Salary & Benefit Transfer	0	0	0	0
TOTAL		352,327	302,699	278,887	334,041

+ 15.84%

+ 10.35%

SUPPLIES

521100	Office Supplies	30	525	425	425
521111	Paper	0	50	50	50
521112	Writing Instruments	0	25	25	25
521113	Computer Supplies	19	300	200	200

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

		<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>	
521114	Other	11	150	150	150	
521115	Minor Software Lic	0	0	0	0	
521200	Operating Supplies	2,188	2,500	2,500	2,500	
521211	Consumable Items	2,135	2,000	2,000	2,000	
521212	Non Consumable Items	53	500	500	500	
521311	Botanical Supplies	0	0	0	0	
521400	Safety	3,498	4,800	12,836	6,500	
521411	Personal Protect Equip	1,259	1,500	1,000	1,000	
521413	Emergency Response Eq	787	300	0	0	
521415	Facilities Maintenance	1,342	2,000	11,336	5,000	
521417	Laboratory & Environ					
521418	Storage & Handling					
521419	Grounds Maintenance	110	1,000	500	500	
521700	Minor Tools	655	1,400	2,200	2,000	
521711	Electronic Tools					
521712	Hand Tools	655	1,000	1,200	1,000	
521713	Power Tools	0	400	1,000	1,000	
521900	Wearing Apparel	1,538	2,050	1,550	2,050	
521911	Uniform Cost					
521912	Uniform Maintenance	1,538	2,000	1,500	2,000	
521913	All Weather Gear	0	50	50	50	
521919	Other Wearing Apparel					
522300	Laundry & Janitorial	1,467	2,400	1,900	2,400	
522311	Laundry Service					
522312	Janitorial Service	1,214	2,000	1,500	2,000	
522313	Laundry & Jan Supplies	253	400	400	400	
522500	Lab & Photo Supplies	4,339	5,750	4,000	4,000	
522511	Lab Supplies	637	1,000	1,000	1,000	
522512	Lab Chemicals	3,702	4,250	2,000	2,000	
522513	Lab Equipment Repairs		500	1,000	1,000	
522521	Photo Supplies & Exp					
522700	Printing	0	200	400	400	
522711	Stationery					
522712	Billing Forms					
522713	Other Forms					
522719	Other	0	200	400	400	
522800	Chemicals - Plant	125,636	260,000	220,000	234,000	- 10.00%
522811	Activated Carbon					
522812	Anhydrous Ammonia	13,244	15,000	10,000	15,000	
522813	Calcium Hypochlorinate					
522815	Caustic Soda		70,000	70,000	84,000	+ 20.00%
522816	Chlorine	18,468	25,000	25,000	25,000	
522817	Copper Sulphate					
522819	Hydrated Lime	26,125	40,000	5,000	0	- 100.00%
522821	Liquid Alum	56,235	80,000	80,000	80,000	

TEXARKANA WATER UTILITIES
MILLWOOD WATER TREATMENT PLANT- 420

		<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>	
522822	Polymer					
522823	Potassium Permanganate					
522824	Sodium Chlorite					
522826	Zinc Ortho Phosphate	11,564	20,000	20,000	20,000	
522839	Other Chemicals	0	10,000	10,000	10,000	
522914	Chemicals-Carbon					
TOTAL		139,351	279,625	245,811	254,275	- 9.07%

REPAIRS & MAINTENANCE

531111	Office Machines & Eq				
531200	Motor Vehicles	2,781	3,157	3,150	3,150
531211	Antifreeze	1	50	50	50
531212	Batteries		100	100	100
531213	Filters	34	50	50	50
531214	Fuel	1,614	2,000	2,000	2,000
531215	Lubricates	43	100	100	100
531216	Parts	940	50	50	50
531217	Tires	149	800	800	800
531218	Labor				
531219	Subcontract	0			
531239	Other	0	7	0	0
531700	Machinery & Equip	15,706	19,925	17,275	19,775
531711	Antifreeze	36	50	50	50
531712	Batteries	0	200	200	200
531713	Filters	4	25	25	25
531714	Fuel	5,509	12,000	8,000	10,000
531715	Lubricates	1,188	150	1,000	1,500
531716	Parts	4,536	5,000	5,000	5,000
531717	Tires	24	500	500	500
531718	Labor	3,899	2,000	2,500	2,500
531719	Subcontract	510			
531739	Other				
531800	Signal Equipment	168	1,000	3,500	3,500
531811	Radios				
531812	Telemetry	168	1,000	3,500	3,500
532100	Building	1,204	5,000	5,000	5,000
532111	Heating & Cooling	0	2,000	2,000	2,000
532112	Other Building	1,204	3,000	3,000	3,000
532113	Grounds & Parking Lots	0			
533100	Water Treatment Equip	94,636	60,000	60,000	55,000
533111	Intake	18,064	20,000	0	15,000
533112	Plant	65,214	25,000	50,000	30,000
533113	Booster Station	11,358	15,000	10,000	10,000
533200	Water Transmission Mains	2,406	2,500	5,000	5,000
533211	Raw Water Mains	1,027			

TEXARKANA WATER UTILITIES
MILLWOOD WATER TREATMENT PLANT- 420

		<i>Actual</i> <i>16-17</i>	<i>Budget</i> <i>17-18</i>	<i>Revised</i> <i>17-18</i>	<i>Budget</i> <i>18-19</i>	
533212	Treated Water Mains	1,379	2,500	5,000	5,000	
533213	Member Cities Mains					
533500	Fire Hydrants	0	0	0	0	
533511	Fire Hydrants					
533512	Fire Hydrants-LTWSC					
533600	Tanks & Reservoirs	4,184	4,000	4,000	4,000	
533611	MC Tanks & Reservoirs					
533612	Other Tanks & Reserv	4,184	4,000	4,000	4,000	
533711	Sludge Pond Maintenance	3,496	0	0	0	
539998	Equipment Utilization	0	0	0	0	
TOTAL		124,581	95,582	97,925	95,425	- 0.16%

CONTRACTUAL SERVICES

541111	Accounting & Audit	1,406	2,290	2,120	2,290
541311	Communications	8,071	9,527	9,500	9,500
541700	Rentals	1,615	3,000	2,000	2,000
541711	Equipment Rental	1,615	3,000	2,000	2,000
541712	Building Rental				
541900	Fees and Permits	43,106	48,106	48,160	48,160
541911	Water System Serv Fee	42,196	45,706	45,760	45,760
541912	Water System Permits	0	1,400	400	400
541919	Other Fees & Permits	910	1,000	2,000	2,000
541923	Wastewater Permit				
541931	Fines & Penalties				
543400	Insurance	13,899	13,930	14,366	14,419
543411	Property Insurance	12,877	12,900	13,331	13,340
543412	Liability Insurance	653	655	650	689
543413	Automotive Insurance	369	375	385	390
543600	Laboratory Services	136	3,000	500	500
543611	State Lab Fees				
543612	Comm Lab Fees-POTW	136	3,000	500	500
543613	Comm Lab Fees-Other				
544100	Maintenance Contracts	283	442	782	785
544111	Computer				
544112	Software				
544113	Internet Service	578	442	782	785
544119	Other Equipment	(295)	0	0	0
544911	Postage	0	0	0	0
544912	Special Delivery Service	30	0	0	0
545200	Power Purchases	188,760	250,000	190,000	195,000
545211	Electrical	188,760	250,000	190,000	195,000
545212	Gas				
545700	Special Services	15	700	700	700
545711	One Call Services				
545712	Pest Control		300	300	300

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

		<i>Actual</i> 16-17	<i>Budget</i> 17-18	<i>Revised</i> 17-18	<i>Budget</i> 18-19	
545719	Other Special Services	15	400	400	400	
546311	Water Rights	128,749	165,000	140,000	165,000	
546312	Water Rights-10MG	215,815	207,000	252,176	271,908	100% AR
TOTAL		601,885	702,995	660,304	710,262	
	Less: Water Rights - 10MG (100% Arkansas)	(215,815)	(207,000)	(252,176)	(271,908)	
		386,070	495,995	408,128	438,354	- 11.62%

CAPITAL OUTLAY

551111	Office Furn & Equipment				
551114	Machinery & Equipment				
551115	Communications				
TOTAL		0	0	0	0

TOTAL BUDGET	1,002,329	1,173,901	1,030,751	1,122,095	- 4.41%
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100% Arkansas

1,122,095

16-17 Actual Exp not included on budget sheet above:

Pay Out - Annual Leave	2,062
Pay Out - Sick Leave	14,771
Pay Out - Post Retirement Insurance	7,292
Accrued Payroll	(1,130)
Accrued Vacation and Sick	(3,862)
Accrued Water Treatment	260
Accrued Communication Exp	498
Accrued Other Building Expense	0
Accrued Power Purchases	1,439
	<u>21,331</u>

Reconciliation:

Total Actual Exp Above for 16-17	1,002,329
Additional Expenses for 16-17	21,331
	<u>1,023,660</u>
Balance on 2017 True Up Detail (pg 27)	<u>1,023,664</u>
Difference (Rounding)	(4)

TEXARKANA WATER UTILITIES
MEMBER CITIES BILLING
WRIGHT PATMAN SLUDGE PROCESSING COST
FY 2019 ESTIMATED

Composting Costs:

Compost Division Budget Expenses (580):

Personal Services	186,308
Supplies	10,465
Repairs & Maintenance	131,640
Contractual Services	17,151
Capital Outlays	0
Total Division Expenses	<u>345,564</u>

Other Labor & Benefits (530):

Operator II (1300 Bldg)	37,500
Plant Mechanic I (1/2)	<u>16,379</u>
Total Other Labor	53,879

Benefit Percentage	X	54.36%
Total Benefit Cost		<u>29,290</u>

Total Other Labor & Benefits	<u>83,169</u>
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Total Composting & Other Labor Costs	428,733
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Amount Attributable to Water Treatment

Plant Sludge (TSS):

Wright Patman Solids (Metric Tons)	1,159.820
South Regional Influent Solids (Metric Tons)	<u>2,050.610</u>
Water Treatment TSS Ratio	<u>56.55976%</u>

Total Applicable Compost Costs	242,490
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Sludge Chemical Costs:

Total Cost of Polymer	100,700
Water Treatment TSS Ratio	<u>56.55976%</u>

Total Sludge Chemical Costs	56,956
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Transportation Costs:

200 Site Pumping Costs (Electrical)	80,629
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Amount Attributable to Water Treatment Plant Waste:

Wright Patman Gallons Wasted (Mil Gallons)	236.271
South Regional Influent Flows (Mil Gallons)	<u>3,124.800</u>
Water Treatment Plant Volume Ratio	<u>7.56116%</u>

Total Transportation Costs	<u>6,096</u>
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Total Estimated Sludge Processing Costs Applicable to Water Plant	305,542
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Less Compost Sales:

Total Compost Sales (Estimated)	100,500
Water Treatment TSS Ratio	<u>56.55976%</u>
Sales Applicable to Water Treatment Plant Sludge	<u>(56,843)</u>

Net Sludge Processing Costs Applicable to Water Plant	<u><u>248,699</u></u>
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Millwood Water Treatment Plant Depreciation Fund

		Actual FY 2017	Proposed FY 2018	Revised FY 2018	Proposed FY 2019
BEGINNING BALANCE		1,418,864	977,650	1,153,456	1,420,361
REVENUE					
Transfer from Revenues		156,000	392,500	392,500	386,500
Plans/Specs		300	0	0	0
Interest Income		4,692	0	6,200	6,300
TOTAL REVENUE		160,992	392,500	398,700	392,800
TOTAL FUNDS AVAILABLE		1,579,856	1,370,150	1,552,156	1,813,161
EXPENDITURES					
Paint Bridge Pipework	A/T131801		225,000	0	225,000
Storage Building	A/T131802		11,500	0	15,000
Replace Chlorinators	A/T131705	4,543		35,571	
Scott SCBA Safety Equip-Emerg Repl.	A131518				
Filter Rehab- Phases IV- VII	A/T131706	38,306			
Rebuild HS Pump/ Motor	A/T131707				
Replace Mixed Gas Detector	A/T131612				
Replace Caustic Pumps/ Drives	A/T131708	10,729		4,678	
Caustic Tank	A/T131614	612		39,488	
Concrete Foundation for Caustic Tanks	A/T131620	49,382			
Digital Radios	A/T131709				
Chlorine Scales	A/T131710	13,344			
Chemical Bldg, HVAC Repl	A/T131711			18,757	
Pipe Galley Repairs	A/T131712	8,934			
Sludge Pond Cleaning- 2017	A/T131803	119,703	100,000	0	120,000
Caustic Pumps/Drives	A/T131714	12,601		(84)	
Ultrasonic Raw Meter	A/T131715	4,058			
Intake Aeration	A/T131716				
De-ionized Water System	A/T131717				
MW Settling Basin Repairs- 2017	A/T131718	4,705		186	
MW Concrete Repairs	A/T131719	159,483			
Lawn Tractor	A/T131804		11,000	10,961	
Replace Valves- Filters 5 & 6	A/T131805		230,000	0	385,000
Replace Gate Actuator	A/T131806		7,000	7,000	
Repair High Service Pump	A/T131807		80,000	15,237	80,000
Basin Lining (1)	A/T131808		180,000	0	275,000
High Service Pump Building Heat Unit					11,500
Clearwell Mixer					13,000
#3 High Service Ball Valve/Actuator					75,000
Surface Wash Nozzle Replacement					9,000
TOTAL EXPENDITURES		426,400	844,500	131,795	1,208,500
ENDING BALANCE		1,153,456	525,650	1,420,361	604,661
Transfers from Revenue:		62.63%	62.75%	62.75%	62.81%
Arkansas Share		38,491	58,110	58,110	55,785
Additional Contribution-Arkansas		0	0	0	0
Arkansas Total		38,491	58,110	58,110	55,785
Texas Share		97,703	97,890	97,890	94,215
Additional Contribution-Texas		19,806	236,500	236,500	236,500
Texas Total		117,509	334,390	334,390	330,715
Total		156,000	392,500	392,500	386,500
Ending Balances:					
Arkansas		847,366	523,764	860,938	471,101
Texas		306,090	1,886	559,423	133,560
Total		1,153,456	525,650	1,420,361	604,661

TEXARKANA WATER UTILITIES
LTWSC Capital Improvement Fund

		<i>Actual FY 2017</i>	<i>Proposed FY 2018</i>	<i>Revised FY 2018</i>	<i>Proposed FY 2019</i>
BEGINNING BALANCE		868,382	863,323	850,811	560,538
REVENUE					
Member Cities		64,742	77,383	77,383	60,801
Transfers from Arkansas		182,814	231,925	231,925	181,933
Transfers from Texas		306,385	390,692	390,692	307,266
Other Transfers from Arkansas		2,000		2,000	
Other Transfers from Texas					
Interest Income		2,808	6,784	3,782	4,490
Insurance Proceeds					
Miscellaneous		1,056	500	600	600
TOTAL REVENUE		559,805	707,284	706,382	555,090
TOTAL FUNDS AVAILABLE		1,428,187	1,570,607	1,557,193	1,115,628
EXPENDITURES					
Repair Annona Ground Storage Tank	L121520	14			
Rebuild HS Pump	L121602	49,995			
(1/2) Ton Pickup	L121625	3,819			
Lateral Filing Cabinets	L121704	0	0	1,040	
Flammable Cabinet	L121705	1,108			
Filter Media Replacement	L121707		300,000	300,000	
TCEQ Item: Filter Troughs	L121710	2,623	300,000	300,000	
TCEQ Item: Basin Lining (1 Basin)	L121711	0	160,000	3,100	160,000
Replace Crew Dually	L121712	40,595			
Chlorine Scales	L121714	13,458			
New Boston- Omni Meter	L121715	4,303			
Replace #4 Drain Valve Actuator	L121716	8,050			
Replace (3) 30" Drain Valves/Actuators	L121718	75,000			
Replace (4) 24" Backwash Valves/Actuators	L121719	65,000			
Member City Tank Aerator	L121720	3,990		9,980	
Power Inverter for Electrician Van	L121721	1,424			
Front Gate Operator	L121722	5,206			
Portable Flow Meter	L121724	5,189			
(2) 6" Surface Wash Valves/Actuator-#5, #6 Filters	L121726	6,692			
Lab Spectrophotometer	L121727	4,174			
Member Cities Ground Storage Tank Repairs (6)	L121731	214,835			
Settling Basin Repairs	L121732	4,968			
Replace MC Line Segment @ Hooks	L121733	2,907	200,000	0	200,000
Sodium Chlorite Tank	L121734	17,520			
Wire Welder	L121736	2,344			
Lab/Filter Building Flooring	L121737	0		10,000	
Upgrade SCADA System	L121801	7,986	45,000	45,000	
Ball Valve/Actuator, 20"- #1 Intake	L121802	0	68,000	0	
TCEQ Item: Basin Gates and Weirs (Flow Distr.)	L121805	0	25,000	75,000	
Replace 2nd Ammonia Pipe Stinger	L121806	0	7,500	0	8,500
High Service #5 Pump Bowl	L121807	0	50,000	0	65,000
Rebuild #2 Low Service	L121808	36,176	45,000	45,000	
1/2 Ton Crew Truck	L121810		34,500	34,500	
Filter Effluent Valve Position/Filter Head Gauges	L121811		45,000	36,243	
Chlorine Dioxide Scales	L121812		20,000	11,792	
Raw Water Valve Actuator	L121813		20,000	20,000	
Filter Effluent Valve and Mag Meter	L121814		30,000	30,000	
High Service Pump/Motor Repair	L121815		90,000	0	90,000

TEXARKANA WATER UTILITIES

LTWSC Capital Improvement Fund

		<i>Actual FY 2017</i>	<i>Proposed FY 2018</i>	<i>Revised FY 2018</i>	<i>Proposed FY 2019</i>
Filter Control for #3, #5, #6 & #7 Filters	L121816		45,000	45,000	
Settled Water Mixing Chamber	L121817		30,000	30,000	
Rate of Flow Venturies for 4 Filter Effluent Lines					49,000
#2 Influent Valve/Actuator					16,000
East Alum Pump Replacement					4,500
#1 Intake Pump/Gate & Ball Valves/Actuator, Piping					59,500
East Basin Sludge Rakes					48,000
Chlorine Dioxide Enclosure/Leak Detection					20,000
Pump and Motor Rebuild					80,000
Surface Wash Arms/Bearings/Nozzle					49,000
Replace Pump Room Flooring					16,000
Filter Troughs PH II					200,000
TCEQ Required Flow Distribution Design					50,000
TOTAL EXPENDITURES		577,376	1,515,000	996,655	1,115,500
ENDING BALANCE		850,811	55,607	560,538	128

TREATED WATER BY PLANT (000's)
FYE 9/30/18

	<u>Wright Patman</u>	<u>Millwood</u>	<u>Total</u>	
AUG 2017	394,695	101,887	496,582	
SEP 2017	430,081	85,196	515,277	
OCT 2017	423,959	101,289	525,248	
NOV 2017	348,496	82,965	431,461	
DEC 2017	327,653	81,241	408,894	
JAN 2018	375,380	70,709	446,089	
FEB 2018	282,371	113,488	395,859	
MAR 2018	311,536	96,931	408,467	
APR 2018	311,473	81,062	392,535	
MAY 2018	412,551	80,904	493,455	
JUN 2018	398,496	155,419	553,915	
JUL 2018	438,476	145,592	584,068	
				<u>MW %</u>
Total Gallons-Prior 12 Mos.	<u>4,455,167</u>	<u>1,196,683</u>	<u>5,651,850</u>	<u>21.17%</u>
Projected FY18 Ending Plant Usage	3,817,474	1,834,376	5,651,850	32.46%
<u>Millwood Plant Usage:</u>				
Revised Estimated FY18	32.46%			
Estimated FY18	32.31%			
FY17 Actual	29.61%			
FY16 Actual	41.00%			

FY18 Estimated Consumption (1000 Gallons)
Oct 2017 - Jul 2018 (with Aug- Sept 2018 Estimated)

	Estimated based on Aug & Sept 2017							% OF TOTAL
	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP	YTD	
Oak Grove, TX	1974.910 1994.720	2091.880 2465.090	2401.300 2489.090	1822.830 2396.910	1584.150 2252.670	2278.820 2187.780	25940.150	0.4590%
Redwater, TX	10685.400 13288.000	9832.300 12439.150	12338.650 13801.900	10980.750 13125.900	7657.250 11314.100	10352.200 13075.250	138890.850	2.4574%
Central Bowie County	25378.840 16324.920	18383.410 23840.200	20865.530 27836.163	20069.360 20962.660	17202.990 22731.900	17240.060 27272.300	258108.333	4.5668%
Nash, TX	8272.000 5375.000	8577.000 9769.000	8684.000 8624.000	8795.000 8758.000	6593.000 8221.000	7426.000 9074.000	98168.000	1.7369%
Macedonia Eyllau	13609.718 12873.758	13622.148 18070.352	15484.018 19341.990	14675.570 17126.700	12712.647 13027.658	14763.661 15605.939	180914.159	3.2010%
Red River County	0.090 0.000	1461.570 0.480	0.090 493.760	32.290 786.100	0.000 626.160	0.730 1007.190	4408.460	0.0780%
Day & Zimmerman	398.900 640.000	385.000 540.000	1646.800 1260.000	2030.000 370.000	680.000 522.800	630.000 185.200	9288.700	0.1643%
Leary, TX	944.590 1273.900	1363.160 1685.060	1488.200 1811.720	1345.970 1893.620	1256.870 1342.510	1629.170 1794.510	17829.280	0.3155%
Mandeville, AR	2086.577 1734.647	1578.501 2360.541	1723.539 2862.454	2568.910 3707.061	2006.133 2587.099	2294.849 2281.027	27791.338	0.4917%
Union Water	8279.167 7020.747	5613.739 9207.566	7291.275 10254.174	8867.136 12471.033	9520.438 7749.437	9126.548 8186.372	103587.632	1.8328%
MCPWA	3930.000 4300.000	3785.000 4925.000	4060.000 5225.000	3750.000 5290.000	3820.000 4515.000	6930.000 3100.000	53630.000	0.9489%
RWRD-TAC East	0.000 1858.210	0.000 1884.087	0.000 2310.318	3783.275 2359.766	2824.219 1010.690	1682.486 569.301	18282.352	0.3235%
Total Wholesale	75560.192 66683.902	66693.708 87186.526	75983.402 96310.569	78721.091 89247.750	65857.697 75901.024	74354.524 84338.869	936839.254	
New Boston, TX	38159.060 22694.870	34090.370 28521.930	32692.140 32421.490	29120.120 34285.530	30205.740 38760.838	33044.863 40584.704	394581.655	6.9815%
Hooks, TX	12894.800 11537.200	12037.600 14949.900	14413.300 15908.200	13183.200 15049.200	11880.100 11836.000	13186.100 14308.500	161184.100	2.8519%
DeKalb, TX	6214.000 4384.000	7018.000 7188.000	8306.000 7662.000	6396.000 7194.000	5214.000 5948.000	5454.000 6392.000	77370.000	1.3689%
Wake Village, TX	13711.000 10711.000	12521.000 16822.000	13420.000 17936.000	10621.000 17323.000	10990.000 13257.000	12106.000 16585.000	166003.000	2.9371%
Maud, TX	3889.000 2923.000	2725.000 4041.000	4951.000 4403.000	3188.000 4435.000	4337.000 3447.000	4351.000 5372.000	48062.000	0.8504%
Avery, TX	1638.500 1157.400	2092.400 1395.400	1885.200 1766.100	1844.900 1712.900	1487.100 1573.000	1632.500 1900.700	20086.100	0.3554%

**FY18 Estimated Consumption (1000 Gallons)
Oct 2017 - Jul 2018 (with Aug- Sept 2018 Estimated)**

	Estimated based on Aug & Sept 2017							YTD	% OF TOTAL
	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP			
Annona, TX	886.222 520.255	1305.269 746.132	568.740 654.091	961.039 1085.826	548.072 644.573	532.338 596.571	9049.128	0.1601%	
RWRD	36570.870 13933.060	36118.190 13749.283	28743.930 16914.772	32519.570 19749.000	23021.360 35979.460	12297.504 31533.960	301130.959	5.3280%	
Total Member Cities & RWRD	113963.452 67860.785	107907.829 87413.645	104980.310 97665.653	97833.829 100834.456	87683.372 111445.871	82604.305 117273.435	1177466.942		
Total Wholesale, Member Cities & RWRD	189523.644 134544.687	174601.537 174600.171	180963.712 193976.222	176554.920 190082.206	153541.069 187346.895	156958.829 201612.304	2114306.196		
Texarkana, AR	114544.056 103412.242	87985.196 125503.883	80265.864 142960.800	103058.156 139671.058	97294.536 113024.186	90868.722 115803.779	1314392.478	23.2560%	
Texarkana, TX	221180.300 154578.071	168874.267 193350.946	147664.424 216977.978	166475.924 254314.736	145023.395 196210.919	160639.449 197860.917	2223151.326	39.3349%	
Total Texarkana	335724.356 257990.313	256859.463 318854.829	227930.288 359938.778	269534.080 393985.794	242317.931 309235.105	251508.171 313664.696	3537543.804		
Total All	525248.000 392535.000	431461.000 493455.000	408894.000 553915.000	446089.000 584068.000	395859.000 496582.000	408467.000 515277.000	5651850.000	100.0000%	

City of Texarkana, Texas
Proposed Water Production Rate By Plant
9/30/2019

	<u>Division 410</u>	<u>Sludge-WP</u>	<u>Total LWP</u>	<u>Division 420</u>	<u>Sludge-MW</u>	<u>Total MW</u>	<u>Total Blended</u>
<u>EXPENDITURES</u>							
Personnel Services	1,394,455		1,394,455	334,041		334,041	1,728,496
Supplies	1,001,330		1,001,330	254,275		254,275	1,255,605
Repairs & Maintenance	216,749		216,749	95,425		95,425	312,174
Contractual Services	687,019		687,019	438,354		438,354	1,125,373
Subtotal	3,299,553	-	3,299,553	1,122,095	-	1,122,095	4,421,648
Sludge Costs	-	242,490	242,490		120,000	120,000	362,490
Sludge Chemical/Transp Cost		63,052	63,052		-	-	63,052
Composting Revenue	-	(56,843)	(56,843)	-	-	-	(56,843)
Subtotal	-	248,699	248,699	-	120,000	120,000	368,699
Administration Costs 6.26%	206,552	15,569	222,121	70,243	7,512	77,755	299,876
Total Water Production Cost	3,506,105	264,268	3,770,373	1,192,338	127,512	1,319,850	5,090,223
Estimated Gallons By Plant			3,817,474			1,834,376	5,651,850
Estimated Cost Per 1,000 Gal			0.9877			0.7195	0.9006
			LWP			MW	Total
Prior Year			0.9564			0.7555	0.8914

City of Texarkana, Texas
Proposed Water Production Rate
9/30/2019

Water Production (both lakes)	Amount As Budgeted 2019	
Total Gallons	5,651,850	(in thousands)
* Total Cost	5,090,223	
Water Rate	0.9006	(per thousand) 1.04% Increase
<i>Prior Year Water Rate</i>	<i>0.8914</i>	

* The total costs include the following four components of the Texarkana Water Department:

- 1) Wright Patman (410)
- 2) Millwood (420)
- 3) Sludge Processing - LWP and \$120,000.00 for Millwood
- 4) Administrative Overhead - **6.26%** of the sum of 1, 2 and 3 as listed above

City of Texarkana, Texas

Proposed Water Production Rate By City

9/30/2019

Water Rate Calculation					
ANNUAL			MONTHLY		
	<i>(in thousands)</i>		Estimated 2019 Water Rate	<i>(in thousands)</i>	
	2019 Budgeted Gallons as Estimated by the Water Department	Budgeted Cost Total as Estimated by the Water Department		Monthly Billing - Water Cost Only	Monthly Gallons
New Boston	394,582	355,372	0.9006	29,614	32,882
Hooks	161,184	145,167	0.9006	12,097	13,432
Dekalb	77,370	69,682	0.9006	5,807	6,448
Wake Village	166,003	149,507	0.9006	12,459	13,834
Maud	48,062	43,286	0.9006	3,607	4,005
Avery	20,086	18,090	0.9006	1,508	1,674
Annona	9,049	8,150	0.9006	679	754
Total	876,336	789,254	0.9006	65,771	73,027
Texarkana, AR	1,499,401	1,350,405	0.9006	112,534	124,950
Texarkana, TX	2,974,982	2,679,356	0.9006	223,280	247,915
RWRD	301,131	271,207	0.9006	22,601	25,094
Total	4,775,514	4,300,969	0.9006	358,414	397,960
Total All Cities	5,651,850	5,090,223	0.9006	424,185	470,987

Cost is defined as water production cost of LWP and Millwood lakes.
Gallons above are total gallons from both lakes.

City of Texarkana, Texas
Proposed Infrastructure Rate
9/30/2019

Member Cities	<u>Original Ownership %</u>	<u>Revised Ownership %</u>	<u>Annual</u>	<u>Monthly</u>
New Boston	3.572227%	3.572227%	19,647.25	1,637.27
Hooks	2.275268%	2.275268%	12,513.97	1,042.83
DeKalb	2.143895%	2.143895%	11,791.42	982.62
Wake Village	1.632379%	1.632379%	8,978.08	748.17
Maud	1.123658%	1.123658%	6,180.12	515.01
* Avery	0.419275%			
Annona	0.307469%	0.307469%	1,691.08	140.92
Total Member Cities	11.474171%	11.054896%	60,801.93	5,066.82
Texarkana				
** Texarkana, AR	32.792567%	32.792567%	181,932.76	15,161.06
** Texarkana, TX	55.733262%	56.152537%	307,265.31	25,605.44
Total Texarkana	88.525829%	88.945104%	489,198.07	40,766.50
Grand Total	100.000000%	100.000000%	550,000.00	45,833.32

Contribution Required for 2019 for projects in the LTWSC Capital Improvement Fund = \$550,000

*Texarkana, TX took control of Avery's ownership interest

**Texarkana portion allocated betw AR/TX based upon their FY19 Ratio of 37.19/62.81

City of Texarkana, Texas
Proposed Debt Service Rate
Highway 82 Widening Project
9/30/2019

Member Cities	Allocation of Tex, AR				
	Original Ownership %	Revised Ownership %	Ownership % to Participating Cities	Annual	Monthly
New Boston	3.572227%	3.572227%	5.315226%	8,706.23	725.52
Hooks	2.275268%	2.275268%	3.385441%	5,545.28	462.11
DeKalb	2.143895%	2.143895%	3.189967%	5,225.10	435.43
Wake Village	1.632379%	1.632379%	2.428867%	3,978.44	331.54
Maud	1.123658%	1.123658%	1.671925%	2,738.58	228.22
###	0.419275%				
Avery	0.307469%	0.307469%	0.457493%	749.36	62.45
Annona					
Total Member Cities	11.474171%	11.054896%	16.448919%	26,943.00	2,245.27

Texarkana					
*** Texarkana, AR	32.792567%				
Texarkana, TX	55.733262%	56.152537%	83.551081%	136,855.00	11,404.58
Total Texarkana	88.525829%	56.152537%	83.551081%	136,855.00	11,404.58
Grand Total	100.000000%	67.207433%	100.000000%	163,798.00	13,649.85

Debt Service Requirement for 2019 = \$163,798

*** Texarkana, Arkansas has not claimed their ownership interest in the Highway 82 water line

Texarkana, TX took control of Avery's ownership interest

TEXARKANA WATER UTILITIES

WRIGHT PATMAN AND MILLWOOD WATER TREATMENT OPERATING EXPENSES - ACTUAL (Audited)

For the Year Ended September 30, 2017

	<u>Wright Patman</u>	<u>Millwood</u>	<u>Total</u>	
Personal Services:				
Management	25,545	25,693	51,238	From Audited TB for Div 410 & 420
Supervision	128,043	25,148	153,192	
Maintenance & Operations	520,521	168,099	688,619	
Overtime	74,538	27,537	102,075	
Standby	0	0	0	
Shift Differential	6,940	1,348	8,288	
Pay Out-Annual Leave	0	2,062	2,062	
Pay Out-Sick Leave	0	14,771	14,771	
Pay Out-Comp Time	236	0	236	
Pay Out -Post Retirement Insurance	236	7,292	7,528	
Temporary Labor	37,011	300	37,312	
Accrued Payroll	5,265	(1,130)	4,135	
Longevity	7,128	5,688	12,816	
Group Insurance	118,304	34,698	153,002	
Accrued Vacation & Sick Leave	1,946	(3,862)	(1,916)	
Retirement	123,249	40,850	164,099	
Social Security	56,320	19,989	76,309	
Workmen's Compensation	19,092	2,085	21,177	
Unemployment	1,151	0	1,151	
Employee Screening	256	92	348	
Incentive	0	0	0	
Education & Training	20,892	800	21,693	
Salary & Benefit Transfers Out	0	0	0	
Total Personal Services	1,146,674	371,462	1,518,136	
Supplies:				
Office Supplies & Expenses	1,775	30	1,805	
Operating Supplies	7,307	2,188	9,495	
Botanical Supplies	2,042	0	2,042	
Safety	9,556	3,499	13,055	
Minor Tools	2,275	655	2,930	
Wearing Apparel	6,115	1,538	7,654	
Laundry & Janitorial	2,543	1,468	4,010	
Lab & Photo Supplies	26,716	4,339	31,055	
Printing	713	0	713	
Chemicals-Plant	707,053	125,635	832,689	
Chemicals-Lake	61,176	0	61,176	
Total Supplies	827,271	139,354	966,625	
Repairs & Maintenance:				
Office Machines & Equipment	0	0	0	
Motor Vehicles	14,584	2,781	17,364	
Machinery & Equipment	3,207	15,706	18,913	
Signal Equipment	2,014	168	2,182	
Buildings	5,643	1,204	6,847	
Water Treatment Equipment	109,637	94,896	204,533	
Water Transmission Mains	24,657	2,406	27,063	
Tanks & Reservoirs	20,211	4,184	24,395	
Sewer Instruments	500	0	500	
Sludge Pond Maintenance	0	3,496	3,496	
Equipment Utilization	0	0	0	
Equipment Apportionment	(5,475)	0	(5,475)	
Total Repairs & Maintenance	174,979	124,839	299,818	
Contractual Services:				
Accounting & Audit	2,344	1,406	3,750	
Communications	11,702	8,569	20,271	
Rentals	6,856	1,615	8,471	
Fees & Permits	51,737	43,106	94,843	
Freight Charges	0	0	0	
Refuse Hauling	2,013	0	2,013	
Insurance	42,239	13,900	56,139	
Laboratory Services	15,656	136	15,792	
Legal Advertising	0	0	0	
Maintenance Contracts	5,233	283	5,516	
Postage	2,109	30	2,139	
Power Purchases	293,783	190,199	483,982	
Power Purchases-Lake	240,242	0	240,242	
Special Services	118	15	133	
Water Rights	613	128,749	129,363	
Total Contractual Services	674,643	388,008	1,062,652	
Rounding	0	0	0	
Subtotals	2,823,566	1,023,664	3,847,230	Reconciled to Audited TB
Sludge Processing	293,754	119,703	413,457	Sludge Actual 2017
Total Operating Expenses	3,117,320	1,143,367	4,260,687	
Administrative Overhead	155,866	57,168	213,034	5% Admin
Total Operating Expenses With Overhead	3,273,186	1,200,535	4,473,721	
Total Gallons of Water Sold - All (Consumption Report)	3,794,092,000	1,595,900,000	5,389,992,000	
Actual Cost per 1,000 Gallons (Total Op Exp wOH / Total Gals)	0.8627061	0.7522617	0.8300051	

TEXARKANA WATER UTILITIES
MEMBER CITIES BILLING
WRIGHT PATMAN SLUDGE PROCESSING COST
FY 2017 ACTUAL

Composting Costs:

Compost Division Budget Expenses (580):

Personal Services	169,550
Supplies	6,661
Repairs & Maintenance	102,091
Contractual Services	17,468
Capital Outlays	0
Total Division Expenses	<u>295,769</u>

Other Labor & Benefits (530):

Operator II (1300 Bldg)	35,062
Plant Mechanic I (1/2)	<u>15,349</u>
Total Other Labor	<u>50,410</u>

Benefit Percentage	X	<u>55.19%</u>
Total Benefit Cost		<u>27,821</u>

Total Other Labor & Benefits	<u>78,231</u>
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Total Composting & Other Labor Costs 374,000

Amount Attributable to Water Treatment

Plant Sludge (TSS):

Wright Patman Solids (Metric Tons)	1,484.660
South Regional Influent Solids (Metric Tons)	<u>1,907.100</u>
Water Treatment TSS Ratio	<u>77.84909%</u>

Total Applicable Compost Costs 291,156

Sludge Chemical Costs:

Total Cost of Polymer	93,513
Water Treatment TSS Ratio	<u>77.84909%</u>

Total Sludge Chemical Costs 72,799

Transportation Costs:

200 Site Pumping Costs (Electrical)	80,629
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Amount Attributable to Water Treatment Plant Waste:

Wright Patman Gallons Wasted (Mil Gallons)	315.016
South Regional Influent Flows (Mil Gallons)	<u>3,030.000</u>
Water Treatment Plant Volume Ratio	<u>10.39657%</u>

Total Transportation Costs 8,383

Total Estimated Sludge Processing Costs Applicable to Water Plant 372,338

Less Compost Sales:

Total Compost Sales	100,944
Water Treatment TSS Ratio	<u>77.84909%</u>
Sales Applicable to Water Treatment Plant Sludge	<u>(78,584)</u>

Net Sludge Processing Costs Applicable to Water Plant 293,754

TEXARKANA WATER UTILITIES

WRIGHT PATMAN AND MILLWOOD WATER TREATMENT OPERATING EXPENSES - ACTUAL (Audited)

For the Year Ended September 30, 2017

TRUE-UP ADJUSTMENT CALCULATION

Fiscal Year 2017 Billing						
	2017 Water	2017 Infrastructure	2017 Debt Service	2015 True Up	FY 2017 Annual	FY 2017 Monthly
New Boston	297,578	19,647	8,639	(23,050)	302,814	25,235
Hooks	142,704	12,514	5,502	3,406	164,126	13,677
DeKalb	60,772	11,791	5,185	2,520	80,268	6,689
Wake Village	143,614	8,978	3,948	3,323	159,863	13,322
Maud	35,665	6,180	2,717	1,263	45,825	3,819
Avery	14,579	-	-	(4,782)	9,797	816
Annona	7,770	1,691	744	(1,584)	8,621	718
RWRD	267,843	-	-	(2,852)	264,991	22,083
	\$970,525	\$60,801	\$26,735	(\$21,756)	\$1,036,305	\$86,359

	Fiscal Year 2017 True Up Calculation							
	Budgeted Gal (000's)	Budgeted Amt	Budgeted Rate	Actual Gal (000's)	Actual Amt	Actual Rate	Annual True Up	Monthly True Up
New Boston	366,985	297,578	0.810900	414,679	344,186	0.8300051	46,608	3,883.97
Hooks	175,989	142,704	0.810900	155,699	129,231	0.8300051	(13,473)	(1,122.74)
DeKalb	74,947	60,772	0.810900	69,956	58,064	0.8300051	(2,708)	(225.68)
Wake Village	177,111	143,614	0.810900	159,508	132,392	0.8300051	(11,222)	(935.13)
Maud	43,984	35,665	0.810900	42,482	35,260	0.8300051	(405)	(33.73)
Avery	17,979	14,579	0.810900	22,548	18,715	0.8300051	4,136	344.66
Annona	9,583	7,770	0.810900	7,384	6,129	0.8300051	(1,641)	(136.79)
RWRD	330,314	267,843	0.810900	334,092	277,298	0.8300051	9,455	787.95
Total	1,196,892	\$970,525		1,206,348	\$1,001,275		\$30,750	\$2,563

City of Texarkana, Texas
Proposed Water Cost Recap
9/30/2019

	2019 Annual Cost				2018 Annual Cost		Increase/ (Decrease)
	Water	Infrastructure	Debt Service	2017 True Up	Total	Total	
New Boston	355,372	19,647	8,706	46,608	430,333	366,124	64,209
Hooks	145,167	12,514	5,545	(13,473)	149,754	176,082	(26,328)
DeKalb	69,682	11,791	5,225	(2,708)	83,990	74,998	8,992
Wake Village	149,507	8,978	3,978	(11,222)	151,242	143,971	7,271
Maud	43,286	6,180	2,739	(405)	51,800	38,805	12,995
Avery	18,090	-	-	4,136	22,226	16,237	5,989
Annona	8,150	1,691	749	(1,641)	8,949	10,185	(1,236)
Texarkana, AR	1,350,405	181,933	-	-	1,532,338	-	-
Texarkana, TX	2,679,356	307,265	136,855	-	3,123,476	-	-
RWRD	271,207	-	-	9,455	280,663	283,323	(2,660)
	\$ 5,090,223	\$ 550,000	\$ 163,798	\$ 30,750	\$ 5,834,771	\$ 1,109,725	\$ 69,232

	2019 Monthly Cost				2018 Monthly Cost		Increase/ (Decrease)
	Water	Infrastructure	Debt Service	2017 True Up	Total	Total	
New Boston	29,614	1,637	726	3,884	35,861	30,510	5,351
Hooks	12,097	1,043	462	(1,123)	12,479	14,674	(2,194)
DeKalb	5,807	983	435	(226)	6,999	6,250	749
Wake Village	12,459	748	332	(935)	12,604	11,998	606
Maud	3,607	515	228	(34)	4,317	3,234	1,083
Avery	1,508	-	-	345	1,852	1,353	499
Annona	679	141	62	(137)	746	849	(103)
Texarkana, AR	112,534	15,161	-	-	127,695	-	-
Texarkana, TX	223,280	25,605	11,405	-	260,290	-	-
RWRD	22,601	-	-	788	23,389	23,610	(222)
	\$ 424,185	\$ 45,833	\$ 13,650	\$ 2,563	\$ 486,231	\$ 92,477	\$ 5,769