



**SPECIAL CALLED MEETING  
RIVERBEND WATER RESOURCES DISTRICT  
PUBLIC NOTICE OF WORK SESSION  
WEDNESDAY, DECEMBER 8, 2021**

**10:00 A.M.**

**228 TEXAS AVENUE, SUITE A, NEW BOSTON, TX 75570**

*Notice is hereby given pursuant to V.T.C.A., Government Code, Chapter 551, that the Board of Directors of the Riverbend Water Resources District will conduct a work session; open to the public, on **Wednesday, December 8, 2021, at 10:00 a.m.**, at the Riverbend Water Resources District (“Riverbend”) office, in the Conference Room located at **228A Texas Avenue, New Boston, TX 75570**.*

*The Board of Directors is authorized by the Texas Open Meetings Act to convene in closed or executive session for certain purposes. These purposes include receiving legal advice from its attorney (Section 551.071); discussing real property matters (Section 551.072); discussing gifts and donations (Section 551.073); discussing personnel matters (Section 551.074); discussing security personnel or devices (Section 551.076); or discussing economic development matters (Section 551.087). If the Board of Directors makes a determination to go into executive session on any item on this agenda, the Presiding Officer will announce that an executive session will be held and will identify the item to be discussed and provision of the Open Meetings Act that authorizes the closed or executive session.*

**A G E N D A**

- I. CALL TO ORDER & ROLL CALL
- II. INVOCATION & PLEDGE
- III. AGENDA ITEMS FOR INDIVIDUAL CONSIDERATION

The Board of Directors will consider and discuss the following item(s):

- A. Presentation and discussion of FY 2020-2021 Member Entities’ True-Up for use in FY 2022.

IV. RIVERBEND REPORTS

- A. Board Members
- B. Executive Director/CEO



V. NEXT REGULAR MEETING

Riverbend Regular Meeting, Wednesday, January 26, 2022 at 12:00 p.m. at Riverbend Offices, 228 A Texas Avenue, New Boston, Texas 75570.

VI. ADJOURNMENT

Kyle Dooley

Kyle Dooley, Executive Director/CEO  
Riverbend Water Resources District

\*Persons with disabilities who plan to attend the RWRD Board of Directors' meeting and who may need auxiliary aids or services are requested to contact the RWRD Administrative Offices at (903) 831-0091, as soon as possible. All reasonable efforts will be taken to make the appropriate arrangements.

**Member City  
Water Rate  
Calculation  
2022**

**City of Texarkana, Texas**  
**Proposed Water Production Rate Assumptions**  
**9/30/2022**

**Assumptions regarding the 2022 Water Rate:**

- 1) The water rate is determined based on the adopted FY 2022 Water Department Budget.
- 2) The administration overhead rate has been calculated using **6.11%** of total budget water production costs using the method approved effective with the FY 2018 budget billing.
- 3) The 2020 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 2022 excludes the amount due to Riverbend. Each City will be responsible for remitting their amount directly to Riverbend.

## CALCULATION OF OVERHEAD PERCENTAGE

From FY 2020 Unaudited Amounts

	<b>2020 Unaudited Amounts</b>
<b>Admin Divisions:</b>	
Administration 110	612,958
Finance 210	450,011
Engineering 710	40,304
GIS 740	23,378
Information Technology 230	0
<b>Total Admin</b>	<b>1,126,651</b>
 <b>Other Divisions:</b>	
Customer Service 310	948,135
Water Production 410/420	4,815,665
Water Distribution 620	1,353,192
Sewer Collection 630	955,485
Wastewater 530/540	4,161,189
Environmental Services 750	389,049
Information Technology 230	1,047,651
Engineering 710	570,192
GIS 740	330,738
Composting 580	316,175
Operations Admin 610	283,155
Service Center 640,643-646	630,720
Water/Swr Constr 612	896,370
Field Services 330	606,379
<b>Total Other</b>	<b>17,304,095</b>
 <b>Total Expenses</b>	 <b>18,430,746</b>
 <b>Admin % of Total</b>	 <b>6.11%</b>

**FY20 Audit Amounts:**

Oper Div Total	25,789,810
Less:	
Depr	(5,426,393)
Other Expenses	(1,932,670)
<b>Total</b>	<b>18,430,747</b>
<b>Rounding Difference</b>	<b>(0)</b>

Engineering & GIS Divisions Allocation to OH:

## CALCULATION OF OVERHEAD PERCENTAGE

From FY 2020 Unaudited Amounts

Engineering 710	610,496
GIS 740	<u>354,117</u>
<b>Total</b>	<u>964,612</u>

<u><i>FY20 Capital Project Hours:</i></u>			<u>Engineering Division 710</u>	<u>GIS Division 740</u>	<u>Total</u>
WP & MW Projects	545	<b>6.6019%</b>	40,304	23,378	63,682
Other Projects	<u>7,710</u>	93.3981%	<u>570,192</u>	<u>330,738</u>	<u>900,930</u>
<b>Total</b>	8,255	100.0000%	610,496	354,116	<u>964,612</u>

### Information Technology (IT) Division Allocation to OH:

Information Tech- Division 230	<u>1,047,651</u>
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<u><i>FY20 IT Logged Workorder Hours:</i></u>			<u>Info Tech Division 230</u>
Division 410	0	0.0000%	
Division 420	0	0.0000%	
Total WP & MW	0	<b>0.0000%</b>	0
Other Utility Divisions	<u>0</u>	<u>100.0000%</u>	<u>1,047,651</u>
<b>Total</b>	0	100.0000%	<u>1,047,651</u>



**TEXARKANA WATER UTILITIES**

**WRIGHT PATMAN WATER TREATMENT PLANT- 410**

**FY 21 to  
FY 22  
Change**

	<i>Actual 19-20</i>	<i>Budget 20-21</i>	<i>Revised 20-21</i>	<i>Budget 21-22</i>	
<b><u>EXPENDITURES</u></b>					
Personal Services	1,225,560	1,490,593	1,300,285	1,626,704	
Supplies	709,623	1,011,800	1,112,100	1,201,600	
Repairs & Maintenance	196,838	213,475	162,311	229,200	
Contractual Services	675,257	745,661	741,288	748,313	
<b>TOTAL</b>	<b>2,807,279</b>	<b>3,461,529</b>	<b>3,315,984</b>	<b>3,805,817</b>	

**PERSONAL SERVICES**

511100	Supervision	164,002	174,430	168,500	169,429	
511111	Management-Regular	24,770	24,335	24,335	24,335	
511113	Management-Incentive	1,838	1,838	1,838	1,838	
511211	Supervision-Reg Pay	127,172	143,257	134,512	138,257	
511212	Supervision-Overtime	10,222	5,000	7,815	5,000	
511411	Maintenance & Oper	542,085	726,200	601,200	812,351	
511412	Overtime	75,011	43,000	67,137	43,000	
511415	Shift Differential	6,050	7,500	7,871	7,500	
511611	Temporary Labor	25,142	20,000	2,500	20,000	
512111	Longevity	8,631	9,885	7,932	9,114	
512112	Group Insurance	130,576	182,537	160,017	230,040	
512114	Retirement	139,740	160,804	143,119	164,323	
512115	Social Security	65,440	76,241	65,646	78,286	
512116	Workmen's Comp	25,659	23,596	25,864	20,010	
512118	Employee Screening	178	200	247	100	
512121	Certification/License Pay	38,182	36,100	33,816	37,450	+ 3.74%
512100	Education & Training	9,463	30,100	16,435	35,100	
512122	Training-Seminars & Other	60	5,000	2,000	5,000	
512123	Training-Licenses & Certifi	6,160	10,000	10,000	15,000	
512124	Travel	1,144	10,000	2,322	10,000	
512125	Books & Subscriptions	0	100	0	100	
512126	Dues	1,388	3,000	1,214	3,000	
512127	Licenses	711	2,000	899	2,000	
512128	Awards & Certificates	0	0	0	0	
519999	Salary & Ben Transfer	(4,599)	0	0	0	
<b>TOTAL</b>		<b>1,225,560</b>	<b>1,490,593</b>	<b>1,300,285</b>	<b>1,626,704</b>	+ 9.13%

**SUPPLIES**

521100	Office Supplies	1,294	2,600	2,600	2,600	
521111	Paper	357	500	500	500	
521112	Writing Instruments	99	100	100	100	
521113	Computer Supplies	96	1,000	1,000	1,000	
521114	Other Off Sup & Exp	742	1,000	1,000	1,000	
521115	Minor Software	0	0	0	0	
521200	Operating Supplies	4,520	8,500	9,500	13,000	
521211	Consumable Items	4,515	6,000	6,000	6,000	
521212	Non Consumable Items	5	2,500	3,500	7,000	



TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual</i>	<i>Budget</i>	<i>Revised</i>	<i>Budget</i>	FY 21 to FY 22 Change
		<i>19-20</i>	<i>20-21</i>	<i>20-21</i>	<i>21-22</i>	
521311	Botanical Supplies	20	0	0	0	
521400	Safety	36,223	25,400	27,500	29,500	
521411	Personal Protect Equip	1,937	4,000	4,000	6,000	
521413	Emergency Response Eq	0	500	1,000	1,000	
521415	Facilities Maintenance	32,148	20,000	20,000	20,000	
521416	Emergency/Disaster	138	300	1,000	1,000	
521417	Laboratory & Environ	0	100	0	0	
521418	Storage & Handling	2,000	500	1,000	1,000	
521419	Grounds Maintenance	0	0	500	500	
521700	Minor Tools	1,601	6,000	6,000	6,000	
521711	Electronic Tools	146	1,000	1,000	1,000	
521712	Hand Tools	1,090	3,000	3,000	3,000	
521713	Power Tools	365	2,000	2,000	2,000	
521900	Wearing Apparel	5,245	6,800	8,000	8,000	
521911	Uniform Cost	3,512	0	6,000	6,000	
521912	Uniform Maintenance	1,703	6,000	0	0	
521913	All Weather Gear	30	300	1,000	1,000	
521919	Other Wearing Apparel	0	500	1,000	1,000	
522300	Laundry & Janitorial	3,107	4,000	3,500	3,500	
522311	Laundry Service					
522312	Janitorial Service	1,750	2,000	2,000	2,000	
522313	Laundry & Jan Supplies	1,357	2,000	1,500	1,500	
522500	Lab & Photo Supplies	29,043	36,000	36,000	36,000	
522511	Lab Supplies	6,792	8,000	8,000	8,000	
522512	Lab Chemicals	22,147	25,000	20,000	20,000	
522513	Lab Equipment Repairs	104	3,000	8,000	8,000	
522521	Photo Supplies & Exp			0	0	
522700	Printing	1,142	2,000	1,500	1,500	
522711	Stationery					
522712	Billing Forms	0				
522713	Other Forms	733	1,500	1,000	1,000	
522719	Other	409	500	500	500	
522800	Chemicals - Plant	627,428	904,000	1,001,000	1,085,000	
522811	Activated Carbon					
522812	Anhydrous Ammonia	14,365	30,000	35,000	35,000	
522813	Calcium Hypochlorinate					
522815	Caustic Soda	274,838	425,000	425,000	425,000	
522816	Chlorine	56,856	64,000	64,000	108,000	
522817	Copper Sulphate					
522819	Hydrated Lime					
522821	Liquid Alum	229,762	300,000	400,000	440,000	+ 46.67%
522822	Polymer	8,280	0	7,000	7,000	
522823	Potassium Permanganate					
522824	Sodium Chlorite	23,129	60,000	45,000	45,000	- 25.00%
522826	Zinc Ortho Phosphate	20,197	25,000	25,000	25,000	+ 0.00%
522827	Sodium Hydroxide					
522839	Other	0	0			



**TEXARKANA WATER UTILITIES**

**WRIGHT PATMAN WATER TREATMENT PLANT- 410**

**FY 21 to  
FY 22  
Change**

		<i>Actual</i> 19-20	<i>Budget</i> 20-21	<i>Revised</i> 20-21	<i>Budget</i> 21-22	
522900	Chemicals - Lake	0	16,500	16,500	16,500	
522914	Carbon	0	15,000	15,000	15,000	
522916	Chlorine					
522917	Copper Sulphate	0	1,500	1,500	1,500	
522939	Other	0	0			
<b>TOTAL</b>		<b>709,623</b>	<b>1,011,800</b>	<b>1,112,100</b>	<b>1,201,600</b>	<b>+ 18.76%</b>

**REPAIRS & MAINTENANCE**

531111	Office Machines & Eq	278	0	0	0
531200	Motor Vehicles	19,038	24,700	24,450	24,450
531211	Antifreeze	6	100	100	100
531212	Batteries	320	400	400	400
531213	Filters	331	300	300	300
531214	Fuel	14,535	18,000	18,000	18,000
531215	Lubricates	220	500	500	500
531216	Parts	2,070	1,500	1,500	1,500
531217	Tires	871	2,000	2,000	2,000
531218	Labor	0	100	0	0
531219	Subcontracts	678	1,500	1,500	1,500
531221	Towing				
531239	Repairs Other	7	300	150	150
531700	Machinery & Equip	7,659	10,500	11,000	11,000
531711	Antifreeze	3	100	100	100
531712	Batteries	291	200	200	200
531713	Filters	111	200	200	200
531714	Fuel	437	1,500	1,500	1,500
531715	Lubricates	1,819	6,000	5,000	5,000
531716	Parts	4,998	1,500	1,500	1,500
531717	Tires	0	500	500	500
531718	Labor	0	500	2,000	2,000
531719	Subcontracts	0			
531739	Repairs Other	0			
531800	Signal Equipment	2,375	2,250	10,250	10,250
531811	Radios	0	250	250	250
531812	Telemetry	2,375	2,000	10,000	10,000
532100	Building	1,114	9,500	9,000	9,000
532111	Heating & Cooling	0	4,500	4,500	4,500
532112	Other Building	1,114	3,500	3,000	3,000
532113	Grounds & Parking Lots	0	1,500	1,500	1,500
533100	Water Treatment Equip	111,123	112,000	67,286	120,000
533111	Intake	27,429	22,000	30,000	30,000
533112	Plant	72,125	70,000	35,699	70,000
533113	Booster Stations	11,569	20,000	1,587	20,000
533200	Water Transmission Mains	24,763	29,000	29,000	29,000
533211	Raw Water Mains	758	4,000	4,000	4,000
533212	Treated Water Mains	4,773	5,000	5,000	5,000
533213	Member Cities Mains	19,232	20,000	20,000	20,000

**TEXARKANA WATER UTILITIES**

**WRIGHT PATMAN WATER TREATMENT PLANT- 410**

**FY 21 to  
FY 22  
Change**

		<i>Actual 19-20</i>	<i>Budget 20-21</i>	<i>Revised 20-21</i>	<i>Budget 21-22</i>	
533500	Fire Hydrants	0	0	0	0	
533511	Fire Hydrants					
533512	Fire Hydrants-LTWSC					
533600	Tanks & Reservoirs	35,978	30,000	15,800	30,000	
533611	MC Tanks & Reservoirs	9,142	15,000	6,500	15,000	
533612	Other Tanks & Reserv	26,836	15,000	9,300	15,000	
534100	Sewer Equipment R & M	0	1,000	1,000	1,000	
534121	Sewer Instrument R&M	0	1,000	1,000	1,000	
533711	Sludge Pond Maintenance					
539998	Equipment Utilization	0	0	0	0	
539999	Equipment Apportionment	(5,490)	(5,475)	(5,475)	(5,500)	
<b>TOTAL</b>		<b>196,838</b>	<b>213,475</b>	<b>162,311</b>	<b>229,200</b>	<b>+ 7.37%</b>

**CONTRACTUAL SERVICES**

541111	Accounting & Audit	7,507	5,800	5,800	5,800	
541311	Communications	6,265	9,000	8,471	9,000	
541700	Rentals	5,456	4,000	8,912	6,000	
541711	Equipment Rental	5,456	4,000	8,912	6,000	
541712	Building Rental					
541900	Fees and Permits	51,737	52,000	51,737	52,000	
541911	Water System Serv Fee	51,737	52,000	51,737	52,000	
541912	Water System Permits					
541919	Other Fees & Permits					
541931	Fines & Penalties					
542411	Freight Charges					
543111	Garbage Hauling	2,297	2,600	2,600	2,600	
543400	Insurance	44,978	46,275	46,275	46,275	
543411	Property Insurance	37,269	37,275	37,275	37,275	
543412	Liability Insurance	3,615	4,475	4,475	4,475	
543413	Automotive Insurance	4,094	4,525	4,525	4,525	
543600	Laboratory Services	8,000	14,775	12,054	14,750	
543611	State Lab Fees	755	775	750	750	
543612	Commercial Lab Fees	7,245	13,000	11,304	13,000	
543613	Comm Lab Fees-Other	0	1,000	0	1,000	
543900	Legal	0	0	0	0	
543911	Legal Advertising					
543913	Attorney Fees					
544100	Maintenance Contracts	7,977	12,936	6,551	13,000	
544111	Computer					
544112	Software	5,453	7,500	4,500	7,500	
544113	Internet Service	1,520	2,000	1,826	2,000	
544119	Other Maint Contract	1,004	3,436	225	3,500	
544900	Postage	257	1,625	1,625	1,625	
544911	Postage	0	125	125	125	
544912	Special Delivery	257	1,500	1,500	1,500	
545200	Power Purchases	313,296	359,550	359,550	359,550	
545211	Electrical	305,120	351,000	351,000	351,000	



**TEXARKANA WATER UTILITIES**

**WRIGHT PATMAN WATER TREATMENT PLANT- 410**

		<i>Actual 19-20</i>	<i>Budget 20-21</i>	<i>Revised 20-21</i>	<i>Budget 21-22</i>	<b>FY 21 to FY 22 Change</b>
545212	Gas	8,176	8,550	8,550	8,550	
545511	Power Purchases - Lake	226,710	235,000	235,000	235,000	
545700	Special Services	164	2,100	2,100	2,100	
545711	One Call Services			0	0	
545712	Pest Control	0	600	600	600	
545719	Other Special Services	164	1,500	1,500	1,500	
546311	Water Rights	613	0	613	613	
<b>TOTAL</b>		<b>675,257</b>	<b>745,661</b>	<b>741,288</b>	<b>748,313</b>	<b>+ 0.36%</b>

<b>TOTAL BUDGET</b>	<b>2,807,279</b>	<b>3,461,529</b>	<b>3,315,984</b>	<b>3,805,817</b>	<b>+ 9.95%</b>
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100% Texas

3,805,817

<b><u>20-21 Actual Exp not included on budget sheet above:</u></b>	
Pay Out - Annual Leave	4,892
Pay Out - Post Ret Ins	4,482
Pay Out - Sick Leave	14,677
Accrued Payroll	71,724
Accrued Vacation and Sick	(21,844)
Accrued Temporary Labor	(0)
Accrued Office Supplies & Expense	(0)
Accrued Operating Supplies	(0)
Accrued Safety	0
Accrued Wearing Apparel	(0)
Accrued Laundry & Janitorial	(0)
Accrued Chemicals	0
Accrued Garbage Hauling	0
Accrued Power Purchases- Plant	(0)
Accrued Power Purchases- Lake	0
	<u>73,931</u>
<b><u>Reconciliation:</u></b>	
Total Actual Exp Above for 19-20	2,807,279
Additional Expenses for 19-20	<u>73,931</u>
	2,881,210
Balance on 2020 True Up Detail (pg 27)	<u>2,881,212</u>
Difference (Rounding)	(2)

**TEXARKANA WATER UTILITIES**

**MILLWOOD WATER TREATMENT PLANT- 420**

**FY 21 to FY 22 Change**

	<i>Actual 19-20</i>	<i>Budget 20-21</i>	<i>Revised 20-21</i>	<i>Budget 21-22</i>
<b>EXPENDITURES</b>				
Personal Services	474,588	375,205	379,890	388,872
Supplies	612,649	423,475	340,320	495,325
Repairs & Maintenance	44,660	63,150	67,675	69,675
Contractual Services	845,144	719,275	716,078	715,315
<b>TOTAL</b>	<b>1,977,041</b>	<b>1,581,105</b>	<b>1,503,963</b>	<b>1,669,187</b>

**PERSONAL SERVICES**

511200	Supervision	51,600	55,565	47,922	55,565	
511111	Management-Regular	24,099	24,335	24,333	24,335	
511113	Management-Incentive	1,838	1,838	1,838	1,838	
511211	Supervision-Regular	23,081	28,892	20,147	28,892	
511212	Supervision-Overtime	2,582	500	1,604	500	
511214	Supervision-Standby	0	0	0	0	
511411	Maintenance & Oper	217,152	180,601	177,072	180,601	<b>0.00%</b>
511412	Overtime	41,543	5,000	17,046	5,000	
511415	Shift Differential	2,143	500	35	500	
511611	Temporary Labor	672	0	0	10,000	
512111	Longevity	5,091	4,620	5,292	4,800	
512112	Group Insurance	46,586	36,010	39,258	37,832	
512114	Retirement	58,901	43,185	43,704	41,583	
512115	Social Security	27,113	20,475	20,102	19,810	
512116	Workmen's Comp	2,543	2,649	2,509	3,381	
512118	Employee Screening	0	0	0	200	
512121	Certification/License Pay	20,449	20,100	20,450	20,100	<b>0.00%</b>
512100	Education & Training	795	6,500	6,500	9,500	
512122	Training-Seminars & Other	0	0	0	0	
512123	Training-Licenses & Certifi	0	3,000	3,000	5,000	
512124	Travel	585	2,000	2,000	3,000	
512125	Books & Subscriptions					
512126	Dues	210	1,000	1,000	1,000	
512127	Licenses	0	500	500	500	
512128	Awards & Certificates					
519999	Salary & Benefit Transfer	0	0	0	0	
<b>TOTAL</b>		<b>474,588</b>	<b>375,205</b>	<b>379,890</b>	<b>388,872</b>	<b>+ 3.64%</b>

**SUPPLIES**

521100	Office Supplies	66	425	425	425
521111	Paper	0	50	50	50
521112	Writing Instruments	0	25	25	25
521113	Computer Supplies	0	200	200	200
521114	Other	66	150	150	150
521115	Minor Software Lic	0	0	0	0
521200	Operating Supplies	830	2,500	4,500	5,500
521211	Consumable Items	830	2,000	2,000	3,000
521212	Non Consumable Items	0	500	2,500	2,500
521311	Botanical Supplies	0	0	0	0
521400	Safety	10,008	7,800	11,000	11,000
521411	Personal Protect Equip	271	0	1,000	1,000



**TEXARKANA WATER UTILITIES**

**MILLWOOD WATER TREATMENT PLANT- 420**

		<i>Actual 19-20</i>	<i>Budget 20-21</i>	<i>Revised 20-21</i>	<i>Budget 21-22</i>	<b>FY 21 to FY 22 Change</b>
521413	Emergency Response Eq	0	300	500	500	
521415	Facilities Maintenance	9,737	7,000	9,000	9,000	
521417	Laboratory & Environ					
521418	Storage & Handling					
521419	Grounds Maintenance	0	500	500	500	
521700	Minor Tools	91	1,000	2,000	2,000	
521711	Electronic Tools					
521712	Hand Tools	91	500	1,000	1,000	
521713	Power Tools	0	500	1,000	1,000	
521900	Wearing Apparel	777	2,050	1,700	1,700	
521911	Uniform Cost					
521912	Uniform Maintenance	777	2,000	1,500	1,500	
521913	All Weather Gear	0	50	200	200	
521919	Other Wearing Apparel					
522300	Laundry & Janitorial	1,892	1,900	1,900	1,900	
522311	Laundry Service					
522312	Janitorial Service	1,500	1,500	1,500	1,500	
522313	Laundry & Jan Supplies	392	400	400	400	
522500	Lab & Photo Supplies	3,850	5,000	5,000	5,000	
522511	Lab Supplies	1,658	2,000	2,000	2,000	
522512	Lab Chemicals	2,192	2,000	2,000	2,000	
522513	Lab Equipment Repairs	0	1,000	1,000	1,000	
522521	Photo Supplies & Exp					
522700	Printing	299	800	800	800	
522711	Stationery					
522712	Billing Forms					
522713	Other Forms					
522719	Other	299	800	800	800	
522800	Chemicals - Plant	594,838	402,000	312,995	467,000	<b>+ 16.17%</b>
522811	Activated Carbon					
522812	Anhydrous Ammonia	25,701	15,000	15,000	15,000	
522813	Calcium Hypochlorinate					
522815	Caustic Soda	266,106	180,000	120,000	200,000	<b>+ 11.11%</b>
522816	Chlorine	43,260	37,000	20,000	65,000	<b>+ 75.68%</b>
522817	Copper Sulphate					
522819	Hydrated Lime		0	0	0	
522821	Liquid Alum	233,400	140,000	140,000	165,000	<b>+ 17.86%</b>
522822	Polymer	6,752	0	4,995	10,000	
522823	Potassium Permanganate					
522824	Sodium Chlorite					
522826	Zinc Ortho Phosphate	19,619	20,000	8,000	2,000	
522839	Other Chemicals	0	10,000	5,000	10,000	
522914	Chemicals-Carbon					
<b>TOTAL</b>		<b>612,649</b>	<b>423,475</b>	<b>340,320</b>	<b>495,325</b>	<b>+ 16.97%</b>

**REPAIRS & MAINTENANCE**

531111	Office Machines & Eq					
531200	Motor Vehicles	1,984	3,175	3,200	3,200	
531211	Antifreeze	0	50	50	50	
531212	Batteries	0	100	100	100	
531213	Filters	21	50	50	50	

TEXARKANA WATER UTILITIES

**MILLWOOD WATER TREATMENT PLANT- 420**

**FY 21 to FY 22 Change**

		<i>Actual</i> 19-20	<i>Budget</i> 20-21	<i>Revised</i> 20-21	<i>Budget</i> 21-22	
531214	Fuel	1,865	2,000	2,000	2,000	
531215	Lubricates	27	100	100	100	
531216	Parts	65	75	100	100	
531217	Tires	0	800	800	800	
531218	Labor					
531219	Subcontract					
531239	Other	7	0	0	0	
531700	Machinery & Equip	9,364	17,975	13,975	13,975	
531711	Antifreeze	0	50	50	50	
531712	Batteries	0	400	400	400	
531713	Filters	0	25	25	25	
531714	Fuel	6,417	10,000	6,000	6,000	
531715	Lubricates	89	500	500	500	
531716	Parts	909	4,000	3,000	3,000	
531717	Tires		500	500	500	
531718	Labor	1,949	2,500	3,500	3,500	
531719	Subcontract					
531739	Other					
531800	Signal Equipment	1,535	500	1,000	1,000	
531811	Radios					
531812	Telemetry	1,535	500	1,000	1,000	
532100	Building	50	5,000	5,000	5,000	
532111	Heating & Cooling	0	2,000	2,000	2,000	
532112	Other Building	50	3,000	3,000	3,000	
532113	Grounds & Parking Lots	0				
533100	Water Treatment Equip	29,064	30,000	38,000	40,000	
533111	Intake	216	0			
533112	Plant	28,783	30,000	30,000	30,000	
533113	Booster Station	66	0	8,000	10,000	
533200	Water Transmission Mains	2,185	5,000	5,000	5,000	
533211	Raw Water Mains	750				
533212	Treated Water Mains	1,435	5,000	5,000	5,000	
533213	Member Cities Mains					
533600	Tanks & Reservoirs	478	1,500	1,500	1,500	
533611	MC Tanks & Reservoirs					
533612	Other Tanks & Reserv	478	1,500	1,500	1,500	
533711	Sludge Pond Maintenance	0	0	0	0	
539998	Equipment Utilization	0	0	0	0	
<b>TOTAL</b>		<b>44,660</b>	<b>63,150</b>	<b>67,675</b>	<b>69,675</b>	<b>+ 10.33%</b>

**CONTRACTUAL SERVICES**

541111	Accounting & Audit	3,423	2,400	0	2,000
541311	Communications	10,735	10,700	10,715	10,700
541700	Rentals	748	2,000	2,000	2,000
541711	Equipment Rental	748	2,000	2,000	2,000
541712	Building Rental				
541900	Fees and Permits	70,380	47,160	49,863	47,400
541911	Water System Serv Fee	69,370	45,760	48,463	46,000
541912	Water System Permits	0	400	400	400
541919	Other Fees & Permits	1,010	1,000	1,000	1,000
541923	Wastewater Permit				



**TEXARKANA WATER UTILITIES**

**MILLWOOD WATER TREATMENT PLANT- 420**

	<i>Actual 19-20</i>	<i>Budget 20-21</i>	<i>Revised 20-21</i>	<i>Budget 21-22</i>	FY 21 to FY 22 Change
541931 Fines & Penalties					
543400 Insurance	14,806	14,815	14,815	14,815	
543411 Property Insurance	13,515	13,520	13,520	13,520	
543412 Liability Insurance	921	920	920	920	
543413 Automotive Insurance	370	375	375	375	
543600 Laboratory Services	790	500	500	500	
543611 State Lab Fees					
543612 Comm Lab Fees-POTW	790	500	500	500	
543613 Comm Lab Fees-Other					
544100 Maintenance Contracts	305	1,000	1,000	1,000	
544111 Computer					
544112 Software					
544113 Internet Service	114	1,000	1,000	1,000	
544119 Other Equipment	192	0			
544911 Postage	0	0	0	0	
544912 Special Delivery Service	0	0	0	0	
545200 Power Purchases	321,149	195,000	195,000	195,000	
545211 Electrical	321,149	195,000	195,000	195,000	
545212 Gas					
545700 Special Services	8	700	900	900	
545711 One Call Services					
545712 Pest Control		300	500	500	
545719 Other Special Services	8	400	400	400	
546311 Water Rights	147,279	170,000	153,454	165,000	
546312 Water Rights-10MG	275,520	275,000	287,831	276,000	100% AR
<b>TOTAL</b>	<b>845,144</b>	<b>719,275</b>	<b>716,078</b>	<b>715,315</b>	
Less: Water Rights - 10MG (100% Arkansas)	(275,520)	(275,000)	(287,831)	(276,000)	
	<b>569,624</b>	<b>444,275</b>	<b>428,247</b>	<b>439,315</b>	<b>-1.12%</b>

<b>TOTAL BUDGET</b>	<b>1,701,522</b>	<b>1,306,105</b>	<b>1,216,132</b>	<b>1,393,187</b>	<b>+ 6.67%</b>
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100% Arkansas

1,393,187

<b>20-21 Actual Exp not included on budget sheet above:</b>	
Accrued Payroll	15,215
Accrued Vacation and Sick	1,561
Accrued Water Treatment	0
Accrued Communication Exp	0
Accrued Wearing Apparel	0
Accrued Janitorial Service	0
Accrued Chemicals	0
Accrued Power Purchases	0
	<u>16,777</u>
<b>Reconciliation:</b>	
Total Actual Exp Above for 19-20	1,701,522
Additional Expenses for 19-20	<u>16,777</u>

TEXARKANA WATER UTILITIES

**MILLWOOD WATER TREATMENT PLANT- 420**

	<i>Actual</i> <i>19-20</i>	<i>Budget</i> <i>20-21</i>	<i>Revised</i> <i>20-21</i>	<i>Budget</i> <i>21-22</i>	FY 21 to FY 22 Change
Balance on 2020 True Up Detail (pg 27)	1,718,298				
Difference (Rounding)	1,718,299				
	(1)				



**TEXARKANA WATER UTILITIES**  
**MEMBER CITIES BILLING**  
**WRIGHT PATMAN SLUDGE PROCESSING COST**  
**FY 2022 ESTIMATED**

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**Composting Costs:**

**Compost Division Budget Expenses (580):**

Personal Services	191,016
Supplies	11,715
Repairs & Maintenance	134,540
Contractual Services	18,905
Total Division Expenses	356,176

**Other Labor & Benefits (530):**

Operator II (1300 Bldg)	42,400
Plant Mechanic I (1/2)	18,645
Total Other Labor	<u>61,045</u>

Benefit Percentage	X	<u>45.80%</u>
Total Benefit Cost		<u>27,957</u>

Total Other Labor & Benefits	<u>89,002</u>
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<b>Total Composting &amp; Other Labor Costs</b>	<b>445,178</b>
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**Amount Attributable to Water Treatment**

**Plant Sludge (TSS):**

Wright Patman Solids (Metric Tons)	880.450	
South Regional Influent Solids (Metric Tons)	<u>1,869.850</u>	
Water Treatment TSS Ratio		<u>47.08666%</u>

<b>Total Applicable Compost Costs</b>		<b>209,620</b>
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**Sludge Chemical Costs:**

Total Cost of Polymer	100,700
Water Treatment TSS Ratio	<u>47.08666%</u>

<b>Total Sludge Chemical Costs</b>	<b>47,416</b>
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**Transportation Costs:**

200 Site Pumping Costs (Electrical)	104,728
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**Amount Attributable to Water Treatment Plant Waste:**

Wright Patman Gallons Wasted (Mil Gallons)	246.542	
South Regional Influent Flows (Mil Gallons)	<u>3,912.600</u>	
Water Treatment Plant Volume Ratio		<u>6.30123%</u>

<b>Total Transportation Costs</b>	<u><b>6,599</b></u>
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<b>Total Estimated Sludge Processing Costs Applicable to Water Plant</b>	<b>263,635</b>
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**Less Compost Sales:**

Total Compost Sales (Estimated)	122,500
Water Treatment TSS Ratio	<u>47.08666%</u>
<b>Sales Applicable to Water Treatment Plant Sludge</b>	<u><b>(57,681)</b></u>

<b>Net Sludge Processing Costs Applicable to Water Plant</b>	<u><u><b>205,954</b></u></u>
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TEXARKANA WATER UTILITIES

**Millwood Water Treatment Plant Depreciation Fund**

		<b>Actual FY 2020</b>	<b>Proposed FY 2021</b>	<b>Revised FY 2021</b>	<b>Proposed FY 2022</b>
<b>BEGINNING BALANCE</b>		<b>729,991</b>	<b>1,092,343</b>	<b>1,189,307</b>	<b>1,234,967</b>
<b>REVENUE</b>					
Transfer from Revenues		486,000	486,000	486,000	486,000
Plans/Specs			0		
Interest Income		8,461	8,185	8,477	8,374
<b>TOTAL REVENUE</b>		<b>494,461</b>	<b>494,185</b>	<b>494,477</b>	<b>494,374</b>
<b>TOTAL FUNDS AVAILABLE</b>		<b>1,224,452</b>	<b>1,586,528</b>	<b>1,683,784</b>	<b>1,729,341</b>
<b>EXPENDITURES</b>					
Sludge Pond Cleaning 2019	A/T 131906	141			
Valve Replacement Filters 3,4,7 & 8	A/T 132003		260,000		462,628
SCADA Upgrade	A/T 132006		50,000		30,000
Mixer Gearbox Repair	A/T 132007	11,589			
Basin Lining (1)	A/T 132008		400,000		400,000
Emergency Low Svc Pump Repair	A/T 132010	23,415			
Sludge Pond Cleaning (2) 2021	A/T 132101		175,000	175,000	
Generator Load Bank Test/Fluid Change	A/T 132102		35,000	35,000	
Flash Mixer	A/T 132103		12,000	12,000	
Chemical Building Roof Replacement	A/T 132104		100,000		100,000
Automatic Transfer Switch	A/T 132105		200,000	200,000	25,000
Low Service Repair/Rebuild	A/T 132106		65,000		65,000
High Service Repair/Rebuild	A/T 132107		100,000		100,000
Chlorine Analyzer	A/T 132108		4,800	4,817	
Transformer Study	A/T 132109			12,000	
Security Cameras				10,000	
<b>Sludge Pond Cleaning (2) 2022</b>					<b>120,000</b>
#2 High Service Retro Fit					80,000
Online Turbidity Meters (8)					18,000
Filter Air Units Replacement (2)					55,000
<b>TOTAL EXPENDITURES</b>		<b>35,145</b>	<b>1,401,800</b>	<b>448,817</b>	<b>1,455,628</b>
<b>ENDING BALANCE</b>		<b>1,189,307</b>	<b>184,728</b>	<b>1,234,967</b>	<b>273,713</b>
<b>Transfers from Revenue:</b>					
Arkansas Share		63.22%	63.14%	63.14%	61.28%
Arkansas Share		55,170	55,290	55,290	58,080
Additional Contribution-Arkansas		0	0	0	0
<b>Arkansas Total</b>		<b>55,170</b>	<b>55,290</b>	<b>55,290</b>	<b>58,080</b>
Texas Share		94,830	94,710	94,710	91,920
Additional Contribution-Texas		336,000	336,000	336,000	336,000
<b>Texas Total</b>		<b>430,830</b>	<b>430,710</b>	<b>430,710</b>	<b>427,920</b>
<b>Total</b>		<b>486,000</b>	<b>486,000</b>	<b>486,000</b>	<b>486,000</b>
<b>Ending Balances:</b>					
Arkansas		562,467	68,198	456,332	103,618
Texas		626,840	116,530	778,634	170,095
<b>Total</b>		<b>1,189,307</b>	<b>184,728</b>	<b>1,234,967</b>	<b>273,713</b>



TEXARKANA WATER UTILITIES

**LTWSC Capital Improvement Fund**

		<i>Actual FY 2020</i>	<i>Proposed FY 2021</i>	<i>Revised FY 2021</i>	<i>Proposed FY 2022</i>
<b>BEGINNING BALANCE</b>		<b>539,603</b>	<b>67,164</b>	<b>260,183</b>	<b>609,743</b>
<b>REVENUE</b>					
Member Cities		56,932	82,358	82,358	60,801
Transfers from Arkansas		168,478	244,250	244,250	189,419
Transfers from Texas		289,590	418,392	418,392	299,781
Interest Income		14,002	7,750	2,851	2,784
CD Maturity Funds		331,732	0	0	0
Miscellaneous		1,442	600	2,814	950
<b>TOTAL REVENUE</b>		<b>862,176</b>	<b>753,350</b>	<b>750,665</b>	<b>553,735</b>
<b>TOTAL FUNDS AVAILABLE</b>		<b>1,401,779</b>	<b>820,514</b>	<b>1,010,848</b>	<b>1,163,478</b>
<b>EXPENDITURES</b>					
TCEQ Item: Basin Lining (1 Basin)	L121711	270,817			
TCEQ Item: Basin Gates and Weirs (Flow Distr.)	L121805	26,018			
High Service #5 Pump Bowl	L121807	6,475			
Settled Water Mixing Chamber	L121817	19,515			
Rate of Flow Venturies for 4 Filter Effluent Lines	L121901	10,147			
Pump and Motor Rebuild	L121907	44,947			
PC & Ipad Replacements	L122002	2,673			
Low Service Power Upgrade	L122006	490,334			
New Boston Transfer Switch	L122007	7,980			
SCADA Upgrades-All Sites	L122010	14,990		37,685	
Replace Ferris Mower	L122011	9,215			
Replace 1/2 Ton Truck	L122013	46,916			
Gate Opener for Back Gate	L122017	3,525			
Low Service Power Upgrade	L122018	30,042			
300K Gallon Standpipe Painting-Avery	L122019	77,992			
AC/ Insulation at Low Service	L122020	43,663			
Plant Drainage Ditch Clearing	L122021	26,766			
Portable Tank Mixer	L122022	9,580			
Line Settling Basin #2	L122101		270,000	47,407	270,000
MCC Control Panel Replacement (incl engineering)	L122102		420,000	19,000	200,000
SCADA Upgrade-Patman	L122103		50,000	27,240	70,000
Influent Valve & Actuator	L122104		35,000		90,000
#4 Low Svc. Pump/Motor	L122105			41,620	
NB Rd Metering	L122106			37,473	
Repl. 1/2T Pickup	L122107			24,166	
Filter Turbidimeters	L122108			18,940	
Fiber Storage Shed	L122109			28,500	
#4 Low Svc. Valve/Actuator Repl	L122110			35,005	
NB/MC Communication	L122111			24,069	
Security Cameras	L122112			10,000	
Raw Water Line Air Release Valves	L122113			50,000	
WP WTP Parking Lot/Rd Repair					100,000
NB Booster Station VFD					71,000
Install Vents-3.0 MG Clearwells					50,000
Repair outside of GST's-NB, Hooks, Dekalb					50,000
Chlorine CL17 Analyzer/Controllers					10,000
<b>TOTAL EXPENDITURES</b>		<b>1,141,596</b>	<b>775,000</b>	<b>401,105</b>	<b>911,000</b>

TEXARKANA WATER UTILITIES

**LTWSC Capital Improvement Fund**

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	<i>Actual FY 2020</i>	<i>Proposed FY 2021</i>	<i>Revised FY 2021</i>	<i>Proposed FY 2022</i>
ENDING BALANCE	260,183	45,514	609,743	252,478



**TREATED WATER BY PLANT (000's)  
FYE 9/30/21**

	<u>Wright Patman</u>	<u>Millwood</u>	<u>Total</u>	
JUL 2020	478,088	146,779	624,867	
AUG 2020	479,381	159,346	638,727	
SEP 2020	429,367	151,508	580,875	
OCT 2020	437,700	131,194	568,894	
NOV 2020	364,466	83,890	448,356	
DEC 2020	322,140	80,260	402,400	
JAN 2021	311,770	83,879	395,649	
FEB 2021	365,413	118,904	484,317	
MAR 2021	312,001	100,093	412,094	
APR 2021	302,285	90,087	392,372	
MAY 2021	330,301	75,373	405,674	
JUN 2021	341,296	141,965	483,261	
	<hr/>	<hr/>	<hr/>	
Total Gallons-Prior 12 Mos.	<u>4,474,208</u>	<u>1,363,278</u>	<u>5,837,486</u>	<u>MW %</u> 23.35%
Projected FY21 Ending Plant Usage	3,951,986	1,885,500 *	5,837,486	<b>32.30%</b>

*\*Used 4 Year Average of MW Usage Instead of Projected FY21 Actual %*

Millwood Plant Usage:

Revised Estimated FY21 (4yr Ave)	32.30%
Estimated FY21	35.17%
FY20 Actual	47.92%
FY19 Actual	27.15%
FY18 Actual	24.52%
FY17 Actual	29.61%

**FY21 Estimated Consumption (1000 Gallons)  
Oct 2020- Jun 2021 (with Jul- Sept 2021 Estimated)**

	Estimated based on July- Sept 2020												% OF TOTAL
	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP	YTD						
Oak Grove, TX	1931.530	1654.310	1782.980	1806.430	2055.590	2314.190	22694.970						0.3888%
Redwater, TX	10733.350	8485.900	9365.700	10155.300	12145.650	9725.200	127109.000						2.1775%
Central Bowie County	18052.876	14524.926	17147.919	19307.226	21824.860	20113.117	226249.890						3.8758%
Nash, TX	8361.000	7136.000	8001.000	7283.000	8623.000	7266.000	96773.000						1.6578%
Macedonia Eylau	15872.275	13666.032	18438.782	15035.936	21330.500	18126.000	199117.568						3.4110%
Red River County	0.000	0.000	0.000	0.000	809.270	0.360	995.900						0.0171%
Day & Zimmerman	480.000	650.000	1130.000	3740.000	8470.000	1450.000	18290.000						0.3133%
Leary, TX	1966.020	1401.620	1632.420	1811.560	2184.060	1353.790	20974.137						0.3593%
Mandeville, AR	2732.459	2677.222	1931.715	1982.217	48.778	2524.617	28735.436						0.4923%
Union Water	11422.347	9125.074	7309.886	7124.126	5915.144	7022.645	112227.043						1.9054%
MCPWA	7130.000	6315.000	4920.000	4275.000	3700.000	3645.000	64330.000						1.1020%
RWRD-TAC East	1092.000	1662.000	2051.000	2884.000	2575.000	2566.000	29540.000						0.5060%
<b>Total Wholesale</b>	79773.857	67298.084	73711.402	75404.795	89681.852	76106.919	946036.944						
New Boston, TX	32915.800	25756.220	26950.180	27036.590	31665.340	28351.280	344490.620						5.9014%
Hooks, TX	13312.160	11019.570	13703.820	14207.390	20475.530	13923.170	169867.360						2.9099%
DeKalb, TX	7437.000	5699.000	6514.000	7480.000	8374.000	6304.000	84682.000						1.4507%
Wake Village, TX	13888.000	10738.000	11927.000	11679.000	12587.000	10969.000	148893.000						2.5506%
Maud, TX	5005.000	3742.000	2892.000	3145.000	5647.000	3084.000	48612.000						0.8328%
Avery, TX	1708.800	1329.500	1414.700	1745.400	1486.800	1225.200							

**FY21 Estimated Consumption (1000 Gallons)  
Oct 2020- Jun 2021 (with Jul- Sept 2021 Estimated)**

	Estimated based on July- Sept 2020												% OF TOTAL
	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP	YTD						
Annona, TX	1354.200	1285.700	1473.900	1606.400	1273.900	1591.400	17495.900						0.2997%
	1089.024	493.848	605.860	817.361	1306.542	1023.934							
	599.537	625.456	941.898	545.194	814.315	1809.232	10672.201						0.1828%
RWRD- (RRAD)	20211.168	21322.492	17794.900	16234.524	21634.090	19170.904	273333.518						4.6824%
	17009.546	16831.020	26059.732	36087.046	39795.212	21182.884							
<b>Total Member Cities &amp; RWRD</b>	95566.952	80100.630	81802.460	82345.265	103176.302	84051.488	1098046.599						
	74867.193	80056.256	92531.910	114111.620	110230.127	99206.396							
<b>Total Wholesale, Member Cities &amp; RWRD</b>	175340.809	147398.714	155513.862	157750.060	192858.154	160158.407	2044083.543						
	143958.116	150607.433	174998.696	204421.116	195980.886	185097.290							
Texarkana, AR	150286.468	109867.437	92406.022	88001.066	81338.286	130273.635	1437070.060						24.6180%
	79618.637	90905.600	123642.272	170176.267	165392.660	155161.710							
Texarkana, TX	243266.723	191089.849	154480.116	149897.874	210120.560	121661.958	2356332.397						40.3655%
	168795.247	164160.967	184620.032	250269.617	277353.454	240616.000							
<b>Total Texarkana</b>	393553.191	300957.286	246886.138	237898.940	291458.846	251935.593	3793402.457						
	248413.884	255066.567	308262.304	420445.884	442746.114	395777.710							
<b>Total All</b>	568894.000	448356.000	402400.000	395649.000	484317.000	412094.000	5837486.000						100.0001%
	392372.000	405674.000	483261.000	624867.000	638727.000	580875.000							



**City of Texarkana, Texas**  
**Proposed Water Production Rate By Plant**

**9/30/2022**

	<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>
<b><u>EXPENDITURES</u></b>							
Personnel Services	1,626,704		1,626,704	388,872		388,872	2,015,575
Supplies	1,201,600		1,201,600	495,325		495,325	1,696,925
Repairs & Maintenance	229,200		229,200	69,675		69,675	298,875
Contractual Services	748,313		748,313	439,315		439,315	1,187,628
Subtotal	3,805,817	-	3,805,817	1,393,187	-	1,393,187	5,199,003
Sludge Costs		209,620	209,620		120,000	120,000	329,620
Sludge Chemical/Transp Cost		54,015	54,015		-	-	54,015
Composting Revenue	-	(57,681)	(57,681)	-	-	-	(57,681)
Subtotal	-	205,954	205,954	-	120,000	120,000	325,954
Administration Costs 6.11%	232,535	12,584	245,119	85,124	7,332	92,456	337,575
<b>Total Water Production Cost</b>	<b>4,038,352</b>	<b>218,538</b>	<b>4,256,890</b>	<b>1,478,310</b>	<b>127,332</b>	<b>1,605,642</b>	<b>5,862,532</b>
<b>Estimated Gallons By Plant</b>			3,951,986			1,885,500	5,837,486
<b>Estimated Cost Per 1,000 Gal</b>			1.0772			0.8516	1.0043
			<b>LWP</b>			<b>MW</b>	<b>Total</b>
			<i>Prior Year</i>				
			0.9528			0.8789	0.9302

**City of Texarkana, Texas**  
**Proposed Water Production Rate**  
**9/30/2022**

<b>Water Production (both lakes)</b>	<b>Amount As Budgeted 2022</b>	
Total Gallons	5,837,486	(in thousands)
* Total Cost	5,862,532	
Water Rate	<b>1.0043</b>	(per thousand) <b>7.97% Increase</b>
<i>Prior Year Water Rate</i>	<i>0.9302</i>	<b>0.0741 Increase</b>

\* 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 for Millwood
- 4) Administrative Overhead - **6.11%** of the sum of 1, 2 and 3 as listed above

City of Texarkana, Texas

Proposed Water Production Rate By City

9/30/2022

Water Rate Calculation					
ANNUAL			MONTHLY		
<i>(in thousands)</i>					
	2022 Budgeted Gallons as Estimated by the Water Department	Budgeted Cost Total as Estimated by the Water Department	Estimated 2022 Water Rate	Monthly Billing - Water Cost Only	Monthly Gallons
New Boston	344,491	345,969	1.0043	28,831	28,708
Hooks	169,867	170,596	1.0043	14,216	14,156
Dekalb	84,682	85,045	1.0043	7,087	7,057
Wake Village	148,893	149,532	1.0043	12,461	12,408
Maud	48,612	48,821	1.0043	4,068	4,051
Avery	17,496	17,571	1.0043	1,464	1,458
Annona	10,672	10,718	1.0043	893	889
Total	824,713	828,252	1.0043	69,021	68,725
Texarkana, AR	1,641,363	1,648,405	1.0043	137,367	136,780
Texarkana, TX	3,098,077	3,111,369	1.0043	259,281	258,173
RWRD	273,334	274,506	1.0043	22,876	22,778
Total	5,012,773	5,034,280	1.0043	419,523	417,731
Total All Cities	5,837,486	5,862,532	1.0043	488,544	486,456

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**  
**9/30/2022**

<b>Member Cities</b>	<b>Original Ownership %</b>	<b>Revised Ownership %</b>	<b>Annual</b>	<b>Monthly</b>
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
<b>Total Member Cities</b>	<b>11.474171%</b>	<b>11.054896%</b>	<b>60,801.92</b>	<b>5,066.82</b>
<b>Texarkana</b>				
** Texarkana, AR	32.792567%	32.792567%	189,417.50	15,784.79
** Texarkana, TX	55.733262%	56.152537%	299,780.58	24,981.72
<b>Total Texarkana</b>	<b>88.525829%</b>	<b>88.945104%</b>	<b>489,198.08</b>	<b>40,766.51</b>
<b>Grand Total</b>	<b>100.000000%</b>	<b>100.000000%</b>	<b>550,000.00</b>	<b>45,833.33</b>

**Contribution Required for 2022 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 FY22 Ratio of 38.72%/61.28%

**City of Texarkana, Texas**  
**Proposed Debt Service Rate**  
**Highway 82 Widening Project**  
**9/30/2022**

Member Cities	Original Ownership %	Revised Ownership %	Allocation of Tex, AR Ownership % to		Annual	Monthly
			Participating Cities	Participating Cities		
New Boston	3.572227%	3.572227%	5.315226%	8,773.11	731.09	
Hooks	2.275268%	2.275268%	3.385441%	5,587.88	465.66	
DeKalb	2.143895%	2.143895%	3.189967%	5,265.24	438.77	
Wake Village	1.632379%	1.632379%	2.428867%	4,009.00	334.08	
Maud	1.123658%	1.123658%	1.671925%	2,759.62	229.97	
### Avery	0.419275%					
Annona	0.307469%	0.307469%	0.457493%	755.12	62.93	
<b>Total Member Cities</b>	11.474171%	11.054896%	16.448919%	27,149.97	2,262.50	

Texarkana	Original Ownership %	Revised Ownership %	Allocation of Tex, AR Ownership % to	Annual	Monthly
*** Texarkana, AR	32.792567%				
Texarkana, TX	55.733262%	56.152537%	83.551081%	137,906.31	11,492.19
<b>Total Texarkana</b>	88.525829%	56.152537%	83.551081%	137,906.31	11,492.19
<b>Grand Total</b>	100.000000%	67.207433%	100.000000%	165,056.28	13,754.69

**Debt Service for 2022 = \$165,056**

\*\*\* 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, 2020

	Wright Patman	Millwood	Total	
<b>Personal Services:</b>				From Unaudited TB for Div 410 & 420
Management	26,608	25,937	52,544	
Supervision	137,394	25,663	163,057	
Maintenance & Operations	542,085	217,152	759,237	
Overtime	75,011	41,543	116,555	
Standby	0	0	0	
Shift Differential	6,050	2,143	8,193	
Pay Out-Annual Leave	4,892	0	4,892	
Pay Out-Sick Leave	14,677	0	14,677	
Pay Out-Comp Time	0	0	0	
Pay Out -Post Retirement Insurance	4,482	0	4,482	
Temporary Labor	25,142	672	25,814	
Accrued Payroll	71,724	15,215	86,939	
Longevity	8,631	5,091	13,722	
Group Insurance	130,576	46,586	177,162	
Accrued Vacation & Sick Leave	(21,844)	1,561	(20,283)	
Retirement	139,740	58,901	198,642	
Social Security	65,440	27,113	92,553	
Workmen's Compensation	25,659	2,543	28,202	
Unemployment	0	0	0	
Employee Screening	178	0	178	
Certification/License Pay	38,182	20,449	58,631	
Education & Training	9,463	795	10,258	
Salary & Benefit Transfers Out	(4,599)	0	(4,599)	
<b>Total Personal Services</b>	<b>1,299,491</b>	<b>491,364</b>	<b>1,790,855</b>	
<b>Supplies:</b>				
Office Supplies & Expenses	1,294	66	1,360	
Operating Supplies	4,520	830	5,350	
Botanical Supplies	20	0	20	
Safety	36,223	10,008	46,231	
Minor Tools	1,601	91	1,692	
Wearing Apparel	5,245	777	6,021	
Laundry & Janitorial	3,107	1,892	4,999	
Lab & Photo Supplies	29,043	3,850	32,893	
Printing	1,142	299	1,441	
Chemicals-Plant	627,428	594,838	1,222,266	
Chemicals-Lake	0	0	0	
<b>Total Supplies</b>	<b>709,623</b>	<b>612,650</b>	<b>1,322,273</b>	
<b>Repairs &amp; Maintenance:</b>				
Office Machines & Equipment	278	0	278	
Motor Vehicles	19,039	1,984	21,023	
Machinery & Equipment	7,659	9,364	17,023	
Signal Equipment	2,375	1,535	3,910	
Buildings	1,114	50	1,164	
Water Treatment Equipment	111,124	29,064	140,188	
Water Transmission Mains	24,763	2,185	26,948	
Tanks & Reservoirs	35,978	478	36,456	
Sewer Instruments	0	0	0	
Sludge Pond Maintenance	0	0	0	
Equipment Utilization	0	0	0	
Equipment Apportionment	(5,490)	0	(5,490)	
<b>Total Repairs &amp; Maintenance</b>	<b>196,840</b>	<b>44,660</b>	<b>241,500</b>	
<b>Contractual Services:</b>				
Accounting & Audit	7,507	3,423	10,930	
Communications	6,265	10,735	17,001	
Rentals	5,456	748	6,204	
Fees & Permits	51,737	70,381	122,117	
Freight Charges	0	0	0	
Garbage Hauling	2,297	0	2,297	
Insurance	44,978	14,806	59,784	
Laboratory Services	8,000	790	8,790	
Legal Advertising	0	0	0	
Maintenance Contracts	7,977	305	8,282	
Postage	257	0	257	
Power Purchases	313,296	321,149	634,446	
Power Purchases-Lake	226,711	0	226,711	
Special Services	164	8	172	
Water Rights	613	147,279	147,892	
<b>Total Contractual Services</b>	<b>675,258</b>	<b>569,624</b>	<b>1,244,882</b>	
Rounding	0	0	0	
Subtotals	<b>2,881,212</b>	<b>1,718,299</b>	<b>4,599,511</b>	Reconciled to Unaudited TB
<b>Sludge Processing</b>	<b>182,208</b>	<b>142</b>	<b>182,350</b>	Sludge Actual 2020-CIP
<b>Total Operating Expenses</b>	<b>3,063,420</b>	<b>1,718,441</b>	<b>4,781,861</b>	
<b>Administrative Overhead</b>	<b>187,175</b>	<b>104,997</b>	<b>292,172</b>	6.11% Actual Admin
<b>Total Operating Expenses With Overhead</b>	<b>3,250,595</b>	<b>1,823,438</b>	<b>5,074,033</b>	
<b>Total Gallons of Water Sold - All (Consumption Report)</b>	<b>3,092,410,000</b>	<b>2,845,819,000</b>	<b>5,938,229,000</b>	
<b>Actual Cost per 1,000 Gallons (Total Op Exp wOH / Total Gals)</b>	<b>1.0511526</b>	<b>0.6407428</b>	<b>0.8544690</b>	



TEXARKANA WATER UTILITIES

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

For the Year Ended September 30, 2020

Wright Patman      Millwood      Total  
TRUE-UP ADJUSTMENT CALCULATION

	Fiscal Year 2020 Billing					
	2020 Water	2020 Infrastructure	2020 Debt Service	2018 True Up	FY 2020 Annual	FY 2020 Monthly
New Boston	361,907	19,647	8,773	(36,665)	353,663	29,472
Hooks	154,111	12,514	5,588	(5,252)	166,961	13,913
DeKalb	69,190	11,791	5,265	2,242	88,488	7,374
Wake Village	155,230	8,978	4,009	(2,684)	165,533	13,794
Maud	42,171	6,180	2,760	4,631	55,742	4,645
Avery	19,378	-	-	(3,978)	15,400	1,283
Annona	8,024	1,691	755	1,132	11,602	967
RWRD	289,442	-	-	(46,198)	243,244	20,270
	\$1,099,453	\$60,801	\$27,150	(\$86,772)	\$1,100,632	\$91,719

	Fiscal Year 2020 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	385,449	361,907	0.938900	340,813	291,214	0.8544690	(70,693)	(5,891.11)
Hooks	164,136	154,111	0.938900	164,125	140,240	0.8544690	(13,871)	(1,155.94)
DeKalb	73,691	69,190	0.938900	71,964	61,491	0.8544690	(7,699)	(641.58)
Wake Village	165,328	155,230	0.938900	162,882	139,178	0.8544690	(16,052)	(1,337.70)
Maud	44,914	42,171	0.938900	43,951	37,555	0.8544690	(4,616)	(384.69)
Avery	20,639	19,378	0.938900	16,972	14,502	0.8544690	(4,876)	(406.34)
Annona	8,546	8,024	0.938800	7,381	6,307	0.8544690	(1,717)	(143.07)
RWRD	308,270	289,442	0.938900	231,851	198,109	0.8544690	(91,333)	(7,611.06)
<b>Total</b>	<b>1,170,973</b>	<b>\$1,099,453</b>		<b>1,039,938</b>	<b>\$888,595</b>		<b>(\$210,858)</b>	<b>(\$17,571)</b>

**TEXARKANA WATER UTILITIES**  
**MEMBER CITIES BILLING**  
**WRIGHT PATMAN SLUDGE PROCESSING COST**  
**FY 2020 ACTUAL**

**Composting Costs:**

**Compost Division Budget Expenses (580):**

Personal Services	193,148
Supplies	4,390
Repairs & Maintenance	92,527
Contractual Services	16,569
Total Division Expenses	<u>306,634</u>

**Other Labor & Benefits (530):**

Operator II (1300 Bldg)	40,331
Plant Mechanic I (1/2)	15,910
Total Other Labor	<u>56,241</u>

Benefit Percentage	X	<u>58.28%</u>
Total Benefit Cost		<u>32,777</u>

Total Other Labor & Benefits	<u>89,018</u>
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**Total Composting & Other Labor Costs** 395,652

**Amount Attributable to Water Treatment**

**Plant Sludge (TSS):**

Wright Patman Solids (Metric Tons)	884.450	
South Regional Influent Solids (Metric Tons)	2,085.700	
Water Treatment TSS Ratio		<u>42.40543%</u>

**Total Applicable Compost Costs** 167,778

**Sludge Chemical Costs:**

Total Cost of Polymer	100,913
Water Treatment TSS Ratio	<u>42.40543%</u>

**Total Sludge Chemical Costs** 42,793

**Transportation Costs:**

200 Site Pumping Costs (Electrical)	104,728
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**Amount Attributable to Water Treatment Plant Waste:**

Wright Patman Gallons Wasted (Mil Gallons)	164.893	
South Regional Influent Flows (Mil Gallons)	3,569.400	
Water Treatment Plant Volume Ratio		<u>4.61963%</u>

**Total Transportation Costs** 4,838

**Total Estimated Sludge Processing Costs Applicable to Water Plant** 215,409

**Less Compost Sales:**

Total Compost Sales	78,295
Water Treatment TSS Ratio	<u>42.40543%</u>
<b>Sales Applicable to Water Treatment Plant Sludge</b>	<u>(33,201)</u>

**Net Sludge Processing Costs Applicable to Water Plant** 182,208

**FY20 Actual Consumption (1000 Gallons)  
Oct 2019- Sep 2020**

	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP	YTD	% OF TOTAL
Oak Grove, TX	1926.690 1952.540	1869.490 2661.670	1773.790 2508.220	2192.980 2738.450	1560.350 2993.280	1783.010 2430.710	26391.180	0.4774%
Redwater, TX	8919.250 8514.750	8097.250 8374.450	8416.250 10927.650	8646.150 14551.200	7222.100 16977.600	7219.450 13234.650	121100.750	2.1906%
Central Bowie County	26804.510 19017.150	23460.010 15897.300	24138.700 19488.990	22363.070 23060.550	17380.530 30282.830	16612.690 22811.940	261318.270	4.7270%
Nash, TX	8420.000 7462.000	6579.000 6679.000	7299.000 7566.000	6890.000 10635.000	6034.000 13201.000	6167.000 9045.000	95977.000	1.7361%
Macedonia Eylau	14735.436 14600.071	13979.138 13604.671	14111.924 15100.473	14094.717 16163.236	12545.058 19229.686	13065.618 15867.975	177098.003	3.2035%
Red River County	0.000 47.120	5.770 0.000	0.300 0.000	0.000 665.310	0.500 0.000	107.540 0.000	826.540	0.0150%
Day & Zimmerman	1830.000 74.000	950.000 390.000	930.000 630.000	2220.000 370.000	1230.000 660.000	491.000 970.000	10745.000	0.1944%
Leary, TX	1495.880 2147.470	1533.430 1687.480	1463.670 1993.100	1579.690 2047.560	1378.930 2103.660	1634.640 1927.980	20993.490	0.3798%
Mandeville, AR	1643.790 1788.541	1929.350 2133.667	1904.771 2372.352	2116.039 2602.048	1622.888 3089.706	2274.527 3329.370	26807.049	0.4849%
Union Water	7541.705 6173.560	7560.032 9460.801	7185.238 9083.204	8444.515 9516.589	7201.954 11534.034	7716.432 12428.712	103846.776	1.8785%
MCPWA	5035.000 3980.000	5030.000 4540.000	4495.000 5270.000	4670.000 4960.000	4050.000 7970.000	4920.000 5560.000	60480.000	1.0940%
RWRD-TAC East	2436.349 1226.030	2166.522 1278.960	567.480 1255.720	358.660 2143.410	2267.970 1535.550	1597.900 1808.000	18642.551	0.3372%
<b>Total Wholesale</b>	80788.610 66983.232	73159.992 66707.999	72286.123 76195.709	73575.821 89453.353	62494.280 109577.346	63589.807 89414.337	924226.609	
New Boston, TX	29705.360 28742.520	28664.440 26235.490	26965.370 28150.780	27687.090 30624.650	24480.090 35383.680	24364.920 29808.110	340812.500	6.1650%
Hooks, TX	12776.100 14447.470	11969.250 12822.790	13189.270 13395.740	13954.460 14202.210	12374.024 17074.350	13322.796 14596.480	164124.940	2.9689%
DeKalb, TX	6053.000 5872.000	5193.000 5248.000	5311.000 5506.000	6522.000 6749.000	5632.000 8140.000	5477.000 6361.000	71964.000	1.3018%
Wake Village, TX	13271.000 12109.000	11635.000 11824.000	11919.000 14400.000	11779.000 19276.000	10137.000 20769.000	10056.000 15707.000	162882.000	2.9464%
Maud, TX	6277.000 3360.000	2915.000 3075.000	2935.000 3505.000	3034.000 3816.000	2735.000 4975.000	3178.000 4146.000	43951.000	0.7950%
Avery, TX	1440.500 1439.700	1479.500 1286.300	1659.300 1389.800	1349.700 1472.100	1098.700 1591.600	1137.400 1627.200	16971.800	0.3070%



**FY20 Actual Consumption (1000 Gallons)**  
**Oct 2019- Sep 2020**

	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP	YTD	% OF TOTAL
Annona, TX	660,233 728,827	613,117 452,433	666,216 390,025	588,251 763,402	693,947 542,081	718,887 563,930	7381,349	0.1335%
RWRD- (RRAD)	16700,781 21927,580	14122,718 20416,382	16040,230 20120,716	17620,290 24881,256	17678,849 22338,598	18425,555 21577,850	231850,805	4.1940%
<b>Total Member Cities &amp; RWRD</b>	86883,974 88627,097	76592,025 81360,395	78685,386 86858,061	82534,791 101784,618	74729,610 110814,309	76680,558 94387,570	1039938,394	
<b>Total Wholesale, Member Cities &amp; RWRD</b>	167672,584 155610,329	149752,017 148068,394	150971,509 163053,770	156110,612 191237,971	137223,890 220391,655	140270,365 183801,907	1964165,003	
Texarkana, AR	105534,847 94403,316	88231,270 111223,042	93061,278 121079,206	94396,273 131301,381	86857,604 155619,660	99286,357 167690,845	1348685,079	24.3965%
Texarkana, TX	186009,569 145012,355	166320,713 189853,564	156860,213 188574,024	160477,115 211517,648	133183,506 250353,685	157404,278 269773,248	2215339,918	40.0735%
<b>Total Texarkana</b>	291544,416 239415,671	254551,983 301076,606	249921,491 309653,230	254873,388 342819,029	220041,110 405973,345	256690,635 437464,093	3564024,997	
<b>Total All</b>	459217,000 395026,000	404304,000 449145,000	400893,000 472707,000	410984,000 534057,000	357265,000 626365,000	396961,000 621266,000	5528190,000	100.0000%

**City of Texarkana, Texas**  
**Proposed Water Cost Recap**  
**9/30/2022**

	2022 Annual Cost				2020 True Up	Total	2021 Annual Cost Total	Increase/ (Decrease)
	Water	Infrastructure	Debt Service					
New Boston	345,969	19,647	8,773	(70,693)		303,696	308,674	(4,978)
Hooks	170,596	12,514	5,588	(13,871)		174,827	180,112	(5,285)
DeKalb	85,045	11,791	5,265	(7,699)		94,403	87,965	6,438
Wake Village	149,532	8,978	4,009	(16,052)		146,467	167,109	(20,642)
Maud	48,821	6,180	2,760	(4,616)		53,144	53,415	(271)
Avery	17,571			(4,876)		12,695	14,101	(1,406)
Annona	10,718	1,691	755	(1,717)		11,447	8,022	3,425
Texarkana, AR	1,648,405	189,418				1,837,822	1,818,400	19,422
Texarkana, TX	3,111,369	299,781	137,906			3,549,056	3,453,452	95,604
RWRD	274,506			(91,333)		183,174	154,194	28,979
	\$ 5,862,532	\$ 550,000	\$ 165,056	\$ (210,858)	\$	\$ 6,366,730	\$ 6,245,445	\$ 121,285

	2022 Monthly Cost				2020 True Up	Total	2021 Monthly Cost Total	Increase/ (Decrease)
	Water	Infrastructure	Debt Service					
New Boston	28,831	1,637	731	(5,891)		25,308	25,723	(415)
Hooks	14,216	1,043	466	(1,156)		14,569	15,009	(440)
DeKalb	7,087	983	439	(642)		7,867	7,330	536
Wake Village	12,461	748	334	(1,338)		12,206	13,926	(1,720)
Maud	4,068	515	230	(385)		4,429	4,451	(23)
Avery	1,464			(406)		1,058	1,175	(117)
Annona	893	141	63	(143)		954	669	285
Texarkana, AR	137,367	15,785				153,152	151,533	1,619
Texarkana, TX	259,281	24,982	11,492			295,755	287,788	7,967
RWRD	22,876			(7,611)		15,264	12,850	2,415
	\$ 488,544	\$ 45,833	\$ 13,755	\$ (17,571)	\$	\$ 530,561	\$ 520,454	\$ 10,107