



RIVERBEND RESOLUTION NO. 20200923-01

**ADOPTING THE FY 2019-2020 MEMBER ENTITIES' TRUE-UP
AND FY 2020-2021 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

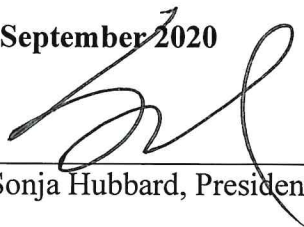
WHEREAS, Riverbend Water Resources District is charged with oversight of the annual True-Up conducted amongst and between the City of Texarkana, Texas and all Member Entities; and

WHEREAS, Texarkana Water Utilities conducted a review of its previous annual budget, calculated FY 2019-2020 water consumption calculations, and proposed an annual budget for FY 2020-2021 to be used in establishing the wholesale water rates; and

WHEREAS, Riverbend Water Resources District held an annual True-Up meeting on August 19, 2020 at 10:00 a.m. at the New Boston Community Center 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 2019-2020 Member Entities' True-Up and FY 2020-2021 wholesale water rates and fees of the Texarkana Water Utilities.

PASSED and APPROVED this 23rd day of September 2020



Sonja Hubbard, President

ATTEST:



Marshall Wood, Secretary

Attached: 2019-2020 Member City Rate Calculation Packet provided by Texarkana Water Utilities

Member City
Water Rate
Calculation
2021

City of Texarkana, Texas
Proposed Water Production Rate Assumptions
9/30/2021

Assumptions regarding the 2021 Water Rate:

- 1) The water rate is determined based on the adopted FY 2021 Water Department Budget.
- 2) The administration overhead rate has been calculated using **6.58%** of total budget water production costs using the method approved effective with the FY 2018 budget billing.
- 3) The 2019 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 2021 excludes the amount due to Riverbend. Each City will be responsible for remitting their amount directly to Riverbend.

CALCULATION OF OVERHEAD PERCENTAGE

From FY 2019 Audited Amounts

	2019 Audited Amounts
Admin Divisions:	
Administration	545,897
Finance	426,965
Safety/Security	0
Engineering	157,098
GIS	79,751
Information Technology	13,090
Total Admin	1,222,801
Other Divisions:	
Customer Service	871,868
Water Production	4,389,996
Water Distribution	1,128,602
Sewer Collection	1,072,905
Wastewater	4,238,599
Environmental Services	322,491
Information Technology	984,412
Engineering	461,560
GIS	234,312
Composting	351,968
Operations Admin	269,252
Service Center	586,792
Water/Swr Constr	1,895,299
Field Services	555,940
Total Other	17,363,996
Total Expenses	18,586,797
Admin % of Total	6.58%

FY19 Audit Amounts:	
Oper Div Total	24,519,355
Less:	
Depr	(5,505,179)
Other Expenses	(427,380)
Total	18,586,796
Rounding Difference	1

CALCULATION OF OVERHEAD PERCENTAGE

From FY 2019 Audited Amounts

Engineering & GIS Divisions Allocation to OH:

Engineering-Division 710	618,658
GIS-Division 740	<u>314,063</u>
Total	<u>932,721</u>

			Engineering Division 710	GIS Division 740	Total
<i><u>FY19 Capital Project Hours:</u></i>					
WP & MW Projects	1,009	<u>25.3933%</u>	157,098	79,751	236,849
Other Projects	<u>2,964</u>	74.6067%	<u>461,560</u>	<u>234,312</u>	<u>695,872</u>
Total	<u>3,973</u>	100.0000%	618,658	314,063	<u>932,721</u>

Information Technology (IT) Division Allocation to OH:

Information Tech- Division 230	<u>997,502</u>
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			Info Tech Division 230
<i><u>FY19 IT Logged Workorder Hours:</u></i>			
Division 410	67	1.3026%	
Division 420	1	0.0097%	
Total WP & MW	68	<u>1.3123%</u>	13,090
Other Utility Divisions	<u>5,095</u>	98.6877%	<u>984,412</u>
Total	<u>5,163</u>	100.0000%	<u>997,502</u>

Texarkana Water Utilities

Combining Statement of Revenues, Expenses and Changes in Fund Net Position For the Year Ended September 30, 2019

	Texarkana, Arkansas Water Utilities	Texarkana, Arkansas Union Water Utilities	Texarkana, Arkansas Mandeville Water Utilities	Texarkana, Texas Water Utilities
Operating Revenues				
Water sales	\$ 3,656,165	\$ 432,844	\$ 75,218	\$ 6,284,996
Wholesale water sales	60,480	-	-	2,190,011
Water connection fees	3,750	650	150	7,671
Sewer charges	3,806,657	-	-	6,585,754
Penalties and service charges	392,840	18,229	4,427	571,003
Other income	833,749	64	-	1,206,016
Total operating revenues	<u>8,753,641</u>	<u>451,787</u>	<u>79,795</u>	<u>16,845,451</u>
Operating Expenses				
Administrative	205,572	-	-	340,325
Finance	473,695	6,217	1,557	950,771
Customer service	324,511	36,426	9,166	547,357
Water production	1,374,302	79,210	20,547	3,015,694
Water distribution	443,808	10,297	4,423	684,794
Sewer collection	384,192	507	-	688,713
Wastewater treatment	1,512,274	-	-	2,726,325
Environmental service	118,090	-	-	204,401
Engineering design	210,997	-	-	407,661
Geographical information systems	116,744	-	-	197,319
Composting	131,045	-	-	220,923
Operations administration	100,491	-	-	168,761
Service center	350,864	-	-	235,928
Field service	207,225	23,310	5,832	348,715
Construction oversight	617,457	4,217	2,034	1,277,842
Depreciation	2,041,856	108,062	11,988	3,463,323
Other expenses	8,005	3,878	1,154	419,375
Contract water & sewer expense-International Paper	-	-	-	-
Total operating expenses	<u>8,621,128</u>	<u>272,124</u>	<u>56,701</u>	<u>15,898,227</u>
Operating income (loss)	<u>132,513</u>	<u>179,663</u>	<u>23,094</u>	<u>947,224</u>
Nonoperating Revenues (Expense)				
Interest revenue - investments	89,683	4,456	282	321,740
Interest revenue - capital leases	85,114	-	-	7,804
Interest expense and paying agent fees	(614,183)	(44,292)	(6,231)	(105,173)
Interest expense - capital leases	-	-	-	(85,114)
Gain (loss) on disposal of capital assets	(16,586)	(471)	(155)	(30,366)
Total nonoperating revenues (expenses)	<u>(455,972)</u>	<u>(40,307)</u>	<u>(6,104)</u>	<u>108,891</u>
Income before contributions and transfers	<u>(323,459)</u>	<u>139,356</u>	<u>16,990</u>	<u>1,056,115</u>
Transfers out	<u>(609,087)</u>	<u>-</u>	<u>-</u>	<u>(18,900)</u>
Change in net position	<u>(932,546)</u>	<u>139,356</u>	<u>16,990</u>	<u>1,037,215</u>
Total net position, beginning of year	<u>41,484,987</u>	<u>974,953</u>	<u>176,351</u>	<u>67,565,019</u>
Total net position, end of year	<u>\$ 40,552,441</u>	<u>\$ 1,114,309</u>	<u>\$ 193,341</u>	<u>\$ 68,602,234</u>

8,621,128.00+
 15,898,227.00+
 2,041,856.00-
 8,005.00-
 3,463,323.00-
 419,375.00-
 006
 18,586,796.00*

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

FY 20 to
FY 21
Change

	<i>Actual</i> 18-19	<i>Budget</i> 19-20	<i>Revised</i> 19-20	<i>Budget</i> 20-21
EXPENDITURES				
Personal Services	1,215,493	1,460,373	1,105,041	1,490,593
Supplies	1,035,472	1,001,935	935,008	1,011,800
Repairs & Maintenance	110,120	214,930	226,225	213,475
Contractual Services	640,199	772,554	733,770	746,274
Capital Outlay	0	0	0	0
TOTAL	3,001,284	3,449,792	3,000,044	3,462,142

PERSONAL SERVICES

511100	Supervision	145,338	183,475	139,203	174,430	
511111	Management-Regular	24,107	26,487	24,770	24,335	
511113	Management-Incentive	1,838	1,838	1,838	1,838	
511211	Supervision-Reg Pay	110,658	150,150	106,235	143,257	
511212	Supervision-Overtime	8,735	5,000	6,360	5,000	
511214	Supervision-Standby	0	0	0	0	
511216	Supervision-Emergency/Dis	0	0	5,556	0	
511411	Maintenance & Oper	561,874	733,674	461,672	726,200	
511412	Overtime	90,699	43,000	60,000	43,000	
511414	Standby	0	0	0	0	
511415	Shift Differential	7,088	7,500	4,900	7,500	
511523	Payout-Comp Time	0	0	0	0	
511611	Temporary Labor	39,574	20,000	26,915	20,000	
511811	Stipend	0	0	0	0	
512111	Longevity	8,310	9,315	8,631	9,885	
512112	Group Insurance	123,235	177,125	137,075	182,537	
512114	Retirement	133,169	157,284	115,858	160,804	
512115	Social Security	60,771	74,699	51,592	76,241	
512116	Workmen's Comp	26,525	22,951	25,080	23,596	
512117	Unemployment	0	0	0	0	
512118	Employee Screening	198	250	200	200	
512121	Certification/License Pay	5,569	0	38,759	36,100	+
512100	Education & Training	13,143	31,100	29,600	30,100	
512122	Training-Seminars & Other	40	5,000	5,000	5,000	
512123	Training-Licenses & Certifi	5,986	12,000	10,000	10,000	
512124	Travel	5,077	10,000	10,000	10,000	
512125	Books & Subscriptions	0	100	100	100	
512126	Dues	1,340	3,000	3,000	3,000	
512127	Licenses	700	1,000	1,500	2,000	
512128	Awards & Certificates	0	0	0	0	
519999	Salary & Ben Transfer	0	0	0	0	
TOTAL		1,215,493	1,460,373	1,105,041	1,490,593	+ 2.07%

SUPPLIES

521100	Office Supplies	1,160	2,330	2,600	2,600
521111	Paper	148	300	500	500
521112	Writing Instruments	24	30	100	100
521113	Computer Supplies	152	1,000	1,000	1,000

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual</i>	<i>Budget</i>	<i>Revised</i>	<i>Budget</i>	
		<i>18-19</i>	<i>19-20</i>	<i>19-20</i>	<i>20-21</i>	FY 20 to FY 21 Change
521114	Other Off Sup & Exp	836	1,000	1,000	1,000	
521115	Minor Software	0	0	0	0	
521200	Operating Supplies	5,247	8,500	8,500	8,500	
521211	Consumable Items	3,437	6,000	6,000	6,000	
521212	Non Consumable Items	1,810	2,500	2,500	2,500	
521311	Botanical Supplies	0	200	0	0	
521400	Safety	24,953	25,400	35,517	25,400	
521411	Personal Protect Equip	1,961	4,000	4,000	4,000	
521413	Emergency Response Eq	0	500	500	500	
521415	Facilities Maintenance	22,742	20,000	30,000	20,000	
521416	Emergency/Disaster	0	0	117	0	
521417	Laboratory & Environ	250	300	300	300	
521418	Storage & Handling	0	100	100	100	
521419	Grounds Maintenance	0	500	500	500	
521700	Minor Tools	2,761	6,000	6,000	6,000	
521711	Electronic Tools	445	1,000	1,000	1,000	
521712	Hand Tools	1,204	3,000	3,000	3,000	
521713	Power Tools	1,112	2,000	2,000	2,000	
521900	Wearing Apparel	6,799	7,800	6,766	6,800	
521911	Uniform Cost	785	0	4,000	6,000	
521912	Uniform Maintenance	6,008	7,000	1,966	0	
521913	All Weather Gear	6	300	300	300	
521919	Other Wearing Apparel		500	500	500	
522300	Laundry & Janitorial	2,906	3,000	4,000	4,000	
522311	Laundry Service					
522312	Janitorial Service	1,922	2,000	2,000	2,000	
522313	Laundry & Jan Supplies	984	1,000	2,000	2,000	
522500	Lab & Photo Supplies	31,920	34,000	36,000	36,000	
522511	Lab Supplies	14,436	6,000	8,000	8,000	
522512	Lab Chemicals	15,991	25,000	25,000	25,000	
522513	Lab Equipment Repairs	1,493	3,000	3,000	3,000	
522521	Photo Supplies & Exp	0				
522700	Printing	690	1,000	2,000	2,000	
522711	Stationery					
522712	Billing Forms	0				
522713	Other Forms	690	500	1,500	1,500	
522719	Other	0	500	500	500	
522800	Chemicals - Plant	953,516	882,205	817,125	904,000	
522811	Activated Carbon					
522812	Anhydrous Ammonia	35,416	35,000	20,000	30,000	
522813	Calcium Hypochlorinate					
522815	Caustic Soda	489,032	425,000	400,000	425,000	
522816	Chlorine	54,530	64,080	54,000	64,000	
522817	Copper Sulphate					
522819	Hydrated Lime	0				
522821	Liquid Alum	278,029	258,125	258,125	300,000	+ 16.22%
522822	Polymer	5,934	0			
522823	Potassium Permanganate					
522824	Sodium Chlorite	44,981	80,000	60,000	60,000	- 25.00%

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual</i> 18-19	<i>Budget</i> 19-20	<i>Revised</i> 19-20	<i>Budget</i> 20-21	FY 20 to FY 21 Change
522826	Zinc Ortho Phosphate	28,351	20,000	25,000	25,000	+ 25.00%
522827	Sodium Hydroxide					
522839	Other	17,243	0			
522900	Chemicals - Lake	5,520	31,500	16,500	16,500	
522914	Carbon	5,520	30,000	15,000	15,000	
522916	Chlorine	0				
522917	Copper Sulphate	0	1,500	1,500	1,500	
522939	Other	0	0			
TOTAL		1,035,472	1,001,935	935,008	1,011,800	+ 0.98%

REPAIRS & MAINTENANCE

531111	Office Machines & Eq	0	0	0	0	
531200	Motor Vehicles	20,932	24,700	24,700	24,700	
531211	Antifreeze	22	100	100	100	
531212	Batteries	143	400	400	400	
531213	Filters	256	300	300	300	
531214	Fuel	17,392	18,000	18,000	18,000	
531215	Lubricates	218	500	500	500	
531216	Parts	2,821	1,500	1,500	1,500	
531217	Tires	0	2,000	2,000	2,000	
531218	Labor	66	100	100	100	
531219	Subcontracts	0	1,500	1,500	1,500	
531221	Towing					
531239	Repairs Other	14	300	300	300	
531700	Machinery & Equip	6,404	10,500	10,500	10,500	
531711	Antifreeze		100	100	100	
531712	Batteries	111	200	200	200	
531713	Filters	0	200	200	200	
531714	Fuel	2,329	1,500	1,500	1,500	
531715	Lubricates	2,922	6,000	6,000	6,000	
531716	Parts	1,042	1,500	1,500	1,500	
531717	Tires	0	500	500	500	
531718	Labor	0	500	500	500	
531719	Subcontracts	0				
531739	Repairs Other	0				
531800	Signal Equipment	70	3,500	500	2,250	
531811	Radios	0	500	0	250	
531812	Telemetry	70	3,000	500	2,000	
532100	Building	283	9,000	9,000	9,500	
532111	Heating & Cooling	0	4,500	4,500	4,500	
532112	Other Building	283	3,000	3,000	3,500	
532113	Grounds & Parking Lots	0	1,500	1,500	1,500	
533100	Water Treatment Equip	63,193	112,000	112,000	112,000	
533111	Intake	5,759	22,000	22,000	22,000	
533112	Plant	54,191	70,000	70,000	70,000	
533113	Booster Stations	3,243	20,000	20,000	20,000	
533200	Water Transmission Mains	22,858	29,000	29,000	29,000	
533211	Raw Water Mains	0	4,000	4,000	4,000	
533212	Treated Water Mains	4,307	5,000	5,000	5,000	

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

		<i>Actual</i>	<i>Budget</i>	<i>Revised</i>	<i>Budget</i>	FY 20 to FY 21 Change
		<i>18-19</i>	<i>19-20</i>	<i>19-20</i>	<i>20-21</i>	
533213	Member Cities Mains	18,551	20,000	20,000	20,000	
533500	Fire Hydrants	0	0	0	0	
533511	Fire Hydrants					
533512	Fire Hydrants-LTWSC					
533600	Tanks & Reservoirs	1,855	30,000	45,000	30,000	
533611	MC Tanks & Reservoirs	1,260	15,000	15,000	15,000	
533612	Other Tanks & Reserv	595	15,000	30,000	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	(5,475)	(4,770)	(5,475)	(5,475)	
TOTAL		110,120	214,930	226,225	213,475	- 0.68%

CONTRACTUAL SERVICES

541111	Accounting & Audit	5,747	5,700	5,700	5,800
541311	Communications	8,276	11,000	8,500	9,000
541700	Rentals	1,718	4,000	5,000	4,000
541711	Equipment Rental	1,718	4,000	5,000	4,000
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	2,455	2,100	2,580	2,600
543400	Insurance	44,431	45,000	45,053	46,275
543411	Property Insurance	35,469	36,000	37,269	37,275
543412	Liability Insurance	4,452	4,475	3,690	4,475
543413	Automotive Insurance	4,510	4,525	4,094	4,525
543600	Laboratory Services	10,960	14,775	14,775	14,775
543611	State Lab Fees	755	775	775	775
543612	Commercial Lab Fees	10,205	13,000	13,000	13,000
543613	Comm Lab Fees-Other	0	1,000	1,000	1,000
543900	Legal	0	0	0	0
543911	Legal Advertising				
543913	Attorney Fees				
544100	Maintenance Contracts	6,615	12,616	12,936	12,936
544111	Computer				
544112	Software	4,711	7,500	7,500	7,500
544113	Internet Service	1,673	1,680	2,000	2,000
544119	Other Maint Contract	231	3,436	3,436	3,436
544900	Postage	385	1,625	1,625	1,625
544911	Postage	0	125	125	125
544912	Special Delivery	385	1,500	1,500	1,500
545200	Power Purchases	302,647	359,550	359,550	359,550
545211	Electrical	295,412	351,000	351,000	351,000
545212	Gas	7,235	8,550	8,550	8,550

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

**FY 20 to
FY 21
Change**

		<i>Actual 18-19</i>	<i>Budget 19-20</i>	<i>Revised 19-20</i>	<i>Budget 20-21</i>	
545511	Power Purchases - Lake	204,458	245,000	225,000	235,000	
545700	Special Services	157	18,575	701	2,100	
545711	One Call Services					
545712	Pest Control		200	600	600	
545719	Other Special Services	157	18,375	101	1,500	
546311	Water Rights	613	613	613	613	
TOTAL		640,199	772,554	733,770	746,274	- 3.40%

CAPITAL OUTLAY

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

TOTAL BUDGET	3,001,284	3,449,792	3,000,044	3,462,142	+ 0.36%
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100% Texas

3,462,142

<u>19-20 Actual Exp not included on budget sheet above:</u>	
Pay Out - Annual Leave	2,638
Pay Out - Post Ret Ins	271
Pay Out - Sick Leave	1,205
Accrued Payroll	(31,387)
Accrued Vacation and Sick	3,840
Accrued Temporary Labor	90
Accrued Office Supplies & Expense	1
Accrued Operating Supplies	1
Accrued Safety	(1)
Accrued Wearing Apparel	262
Accrued Laundry & Janitorial	106
Accrued Chemicals	1
Accrued Garbage Hauling	184
Accrued Power Purchases- Plant	6,233
Accrued Power Purchases- Lake	24,709
	<u>8,152</u>
<u>Reconciliation:</u>	
Total Actual Exp Above for 18-19	3,001,284
Additional Expenses for 18-19	8,152
	<u>3,009,436</u>
Balance on 2019 True Up Detail (pg 27)	3,009,438
Difference (Rounding)	(2)

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

**FY 20 to
FY 21
Change**

	<i>Actual 18-19</i>	<i>Budget 19-20</i>	<i>Revised 19-20</i>	<i>Budget 20-21</i>
<u>EXPENDITURES</u>				
Personal Services	357,303	377,807	529,390	375,205
Supplies	362,777	272,575	443,782	423,475
Repairs & Maintenance	53,632	108,450	65,650	63,150
Contractual Services	688,491	714,045	800,537	719,275
Capital Outlay	0	0	0	0
TOTAL	1,462,203	1,472,877	1,839,359	1,581,105

PERSONAL SERVICES

511200	Supervision	46,562	55,692	69,472	55,565	
511111	Management-Regular	24,255	24,387	24,099	24,335	
511113	Management-Incentive	1,838	1,838	1,838	1,838	
511211	Supervision-Regular	20,361	28,967	40,705	28,892	
511212	Supervision-Overtime	108	500	2,830	500	
511214	Supervision-Standby	0	0	0	0	
511411	Maintenance & Oper	167,109	204,614	222,431	180,601	- 11.74%
511412	Overtime	36,773	5,000	26,240	5,000	
511415	Shift Differential	531	500	3,818	500	
511416	Emergency/Disaster	0	0	46,527	0	
511523	Payout- Comp Time	0	0	0	0	
511611	Temporary Labor	0	0	672	0	
511811	Stipend	0	0	0	0	
512111	Longevity	4,890	4,440	5,091	4,620	
512112	Group Insurance	32,150	33,860	48,002	36,010	
512114	Retirement	42,073	43,729	52,721	43,185	
512115	Social Security	19,251	20,768	25,019	20,475	
512116	Workmen's Comp	1,958	2,654	2,448	2,649	
512118	Employee Screening	170	50	0	0	
512121	Certification/License Pay	3,146	0	20,449	20,100	+ *
512100	Education & Training	2,690	6,500	6,500	6,500	
512122	Training-Seminars & Other	0	0	0	0	
512123	Training-Licenses & Certifi	1,835	3,000	3,000	3,000	
512124	Travel	234	2,000	2,000	2,000	
512125	Books & Subscriptions					
512126	Dues	300	1,000	1,000	1,000	
512127	Licenses	321	500	500	500	
512128	Awards & Certificates					
519999	Salary & Benefit Transfer	0	0	0	0	
TOTAL		357,303	377,807	529,390	375,205	- 0.69%

SUPPLIES

521100	Office Supplies	64	425	425	425
521111	Paper	0	50	50	50
521112	Writing Instruments	0	25	25	25

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

		<i>Actual</i>	<i>Budget</i>	<i>Revised</i>	<i>Budget</i>	FY 20 to FY 21 Change
		<i>18-19</i>	<i>19-20</i>	<i>19-20</i>	<i>20-21</i>	
521113	Computer Supplies	0	200	200	200	
521114	Other	64	150	150	150	
521115	Minor Software Lic	0	0	0	0	
521200	Operating Supplies	2,143	2,500	2,500	2,500	
521211	Consumable Items	1,226	2,000	2,000	2,000	
521212	Non Consumable Items	917	500	500	500	
521311	Botanical Supplies	0	0	0	0	
521400	Safety	23,286	8,800	7,800	7,800	
521411	Personal Protect Equip	622	1,000	0	0	
521413	Emergency Response Eq	0	300	300	300	
521415	Facilities Maintenance	22,664	7,000	7,000	7,000	
521417	Laboratory & Environ					
521418	Storage & Handling					
521419	Grounds Maintenance	0	500	500	500	
521700	Minor Tools	1,887	1,500	1,000	1,000	
521711	Electronic Tools					
521712	Hand Tools	1,873	1,000	500	500	
521713	Power Tools	14	500	500	500	
521900	Wearing Apparel	1,733	2,050	2,357	2,050	
521911	Uniform Cost			2,000	2,000	
521912	Uniform Maintenance	1,733	2,000	307	0	
521913	All Weather Gear	0	50	50	50	
521919	Other Wearing Apparel					
522300	Laundry & Janitorial	869	1,900	1,900	1,900	
522311	Laundry Service					
522312	Janitorial Service	645	1,500	1,500	1,500	
522313	Laundry & Jan Supplies	224	400	400	400	
522500	Lab & Photo Supplies	3,504	5,000	5,000	5,000	
522511	Lab Supplies	1,706	2,000	2,000	2,000	
522512	Lab Chemicals	1,798	2,000	2,000	2,000	
522513	Lab Equipment Repairs		1,000	1,000	1,000	
522521	Photo Supplies & Exp					
522700	Printing	328	400	800	800	
522711	Stationery					
522712	Billing Forms					
522713	Other Forms					
522719	Other	328	400	800	800	
522800	Chemicals - Plant	328,963	250,000	422,000	402,000	+ 60.80%
522811	Activated Carbon					
522812	Anhydrous Ammonia	11,404	15,000	15,000	15,000	
522813	Calcium Hypochlorinate					
522815	Caustic Soda	163,441	100,000	180,000	180,000	+ 80.00%
522816	Chlorine	23,534	25,000	37,000	37,000	+ 48.00%
522817	Copper Sulphate					
522819	Hydrated Lime	0	0	0	0	
522821	Liquid Alum	115,762	80,000	160,000	140,000	+ 75.00%

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

FY 20 to
FY 21
Change

		<i>Actual</i> <i>18-19</i>	<i>Budget</i> <i>19-20</i>	<i>Revised</i> <i>19-20</i>	<i>Budget</i> <i>20-21</i>	
522822	Polymer	2,904				
522823	Potassium Permanganate					
522824	Sodium Chlorite					
522826	Zinc Ortho Phosphate	11,081	20,000	20,000	20,000	
522839	Other Chemicals	837	10,000	10,000	10,000	
522914	Chemicals-Carbon					
TOTAL		362,777	272,575	443,782	423,475	+ 55.36%

REPAIRS & MAINTENANCE

531111	Office Machines & Eq					
531200	Motor Vehicles	2,124	3,175	3,175	3,175	
531211	Antifreeze	3	50	50	50	
531212	Batteries		100	100	100	
531213	Filters	24	50	50	50	
531214	Fuel	1,927	2,000	2,000	2,000	
531215	Lubricates	27	100	100	100	
531216	Parts	143	75	75	75	
531217	Tires	0	800	800	800	
531218	Labor					
531219	Subcontract	0				
531239	Other	0	0	0	0	
531700	Machinery & Equip	9,020	18,775	17,975	17,975	
531711	Antifreeze	0	50	50	50	
531712	Batteries	0	200	400	400	
531713	Filters	0	25	25	25	
531714	Fuel	4,980	10,000	10,000	10,000	
531715	Lubricates	312	500	500	500	
531716	Parts	1,411	5,000	4,000	4,000	
531717	Tires	334	500	500	500	
531718	Labor	1,983	2,500	2,500	2,500	
531719	Subcontract					
531739	Other					
531800	Signal Equipment	418	3,500	3,500	500	
531811	Radios					
531812	Telemetry	418	3,500	3,500	500	
532100	Building	760	5,000	5,000	5,000	
532111	Heating & Cooling	0	2,000	2,000	2,000	
532112	Other Building	760	3,000	3,000	3,000	
532113	Grounds & Parking Lots					
533100	Water Treatment Equip	36,445	65,000	30,000	30,000	
533111	Intake	0	15,000	0	0	
533112	Plant	23,005	30,000	30,000	30,000	
533113	Booster Station	13,440	20,000	0	0	
533200	Water Transmission Mains	3,490	5,000	5,000	5,000	
533211	Raw Water Mains	0		0	0	
533212	Treated Water Mains	3,490	5,000	5,000	5,000	

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

		<i>Actual</i>	<i>Budget</i>	<i>Revised</i>	<i>Budget</i>	FY 20 to FY 21 Change
		<i>18-19</i>	<i>19-20</i>	<i>19-20</i>	<i>20-21</i>	
533213	Member Cities Mains					
533600	Tanks & Reservoirs	1,375	8,000	1,000	1,500	
533611	MC Tanks & Reservoirs					
533612	Other Tanks & Reserv	1,375	8,000	1,000	1,500	
533711	Sludge Pond Maintenance	0	0	0	0	
539998	Equipment Utilization	0	0	0	0	
TOTAL		53,632	108,450	65,650	63,150	- 41.77%

CONTRACTUAL SERVICES

541111	Accounting & Audit	2,534	2,300	2,300	2,400	
541311	Communications	8,879	9,500	10,646	10,700	
541700	Rentals	2,017	2,000	2,000	2,000	
541711	Equipment Rental	2,017	2,000	2,000	2,000	
541712	Building Rental					
541900	Fees and Permits	45,344	47,160	47,160	47,160	
541911	Water System Serv Fee	44,444	45,760	45,760	45,760	
541912	Water System Permits	0	400	400	400	
541919	Other Fees & Permits	900	1,000	1,000	1,000	
541923	Wastewater Permit					
541931	Fines & Penalties					
543400	Insurance	14,022	14,070	14,803	14,815	
543411	Property Insurance	12,862	12,900	13,515	13,520	
543412	Liability Insurance	763	770	918	920	
543413	Automotive Insurance	397	400	370	375	
543600	Laboratory Services	92	500	500	500	
543611	State Lab Fees					
543612	Comm Lab Fees-POTW	92	500	500	500	
543613	Comm Lab Fees-Other					
544100	Maintenance Contracts	456	785	1,000	1,000	
544111	Computer					
544112	Software					
544113	Internet Service	456	785	1,000	1,000	
544119	Other Equipment		0	0	0	
544911	Postage	0	0	0	0	
544912	Special Delivery Service	60	30	0	0	
545200	Power Purchases	193,497	195,000	283,000	195,000	
545211	Electrical	193,497	195,000	283,000	195,000	
545212	Gas					
545700	Special Services	15	700	700	700	
545711	One Call Services					
545712	Pest Control		300	300	300	
545719	Other Special Services	15	400	400	400	
546311	Water Rights	157,940	170,000	165,000	170,000	
546312	Water Rights-10MG	263,635	272,000	273,428	275,000	100% AR
TOTAL		688,491	714,045	800,537	719,275	

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

**FY 20 to
FY 21
Change**

	<i>Actual 18-19</i>	<i>Budget 19-20</i>	<i>Revised 19-20</i>	<i>Budget 20-21</i>	
Less: Water Rights - 10MG (100% Arkansas)	(263,635)	(272,000)	(273,428)	(275,000)	
	424,856	442,045	527,109	444,275	+ 0.50%

CAPITAL OUTLAY

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

TOTAL BUDGET	1,198,568	1,200,877	1,565,931	1,306,105	+ 8.76%
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100% Arkansas

1,306,105

<u>18-19 Actual Exp not included on budget sheet above:</u>	
Accrued Payroll	(10,630)
Accrued Vacation and Sick	18,236
Accrued Water Treatment	(13,440)
Accrued Communication Exp	153
Accrued Wearing Apparel	102
Accrued Janitorial Service	74
Accrued Chemicals	1,835
Accrued Power Purchases	8,347
	<u>4,678</u>
<u>Reconciliation:</u>	
Total Actual Exp Above for 18-19	1,198,568
Additional Expenses for 18-19	<u>4,678</u>
	1,203,246
Balance on 2019 True Up Detail (pg 27)	<u>1,203,243</u>
Difference (Rounding)	3

TEXARKANA WATER UTILITIES
MEMBER CITIES BILLING
WRIGHT PATMAN SLUDGE PROCESSING COST
FY 2021 ESTIMATED

Composting Costs:

Compost Division Budget Expenses (580):

Personal Services	200,360
Supplies	11,715
Repairs & Maintenance	134,540
Contractual Services	18,840
Capital Outlays	0
Total Division Expenses	<u>365,455</u>

Other Labor & Benefits (530):

Operator II (1300 Bldg)	39,463
Plant Mechanic I (1/2)	15,835
Total Other Labor	<u>55,298</u>

Benefit Percentage	X	<u>60.72%</u>
Total Benefit Cost		<u>33,577</u>

Total Other Labor & Benefits	<u>88,875</u>
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Total Composting & Other Labor Costs	454,330
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Amount Attributable to Water Treatment

Plant Sludge (TSS):

Wright Patman Solids (Metric Tons)	718.200	
South Regional Influent Solids (Metric Tons)	1,946.170	
Water Treatment TSS Ratio		<u>36.90325%</u>

Total Applicable Compost Costs		167,662
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Sludge Chemical Costs:

Total Cost of Polymer	100,700
Water Treatment TSS Ratio	<u>36.90325%</u>

Total Sludge Chemical Costs		37,162
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Transportation Costs:

200 Site Pumping Costs (Electrical)	115,224
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Amount Attributable to Water Treatment Plant Waste:

Wright Patman Gallons Wasted (Mil Gallons)	163.568	
South Regional Influent Flows (Mil Gallons)	3,275.400	
Water Treatment Plant Volume Ratio		<u>4.99383%</u>

Total Transportation Costs		5,754
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Total Estimated Sludge Processing Costs Applicable to Water Plant		210,578
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Less Compost Sales:

Total Compost Sales (Estimated)	70,105	
Water Treatment TSS Ratio	<u>36.90325%</u>	
Sales Applicable to Water Treatment Plant Sludge		(25,871)

Net Sludge Processing Costs Applicable to Water Plant		<u>184,707</u>
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Millwood Water Treatment Plant Depreciation Fund

	<i>Actual FY 2019</i>	<i>Proposed FY 2020</i>	<i>Revised FY 2020</i>	<i>Proposed FY 2021</i>
BEGINNING BALANCE	1,394,369	669,848	729,991	1,092,343
REVENUE				
Transfer from Revenues	386,505	486,000	486,000	486,000
Plans/Specs/Misc	1,475	0	0	0
Interest Income	8,348	8,182	8,352	8,185
TOTAL REVENUE	396,328	494,182	494,352	494,185
TOTAL FUNDS AVAILABLE	1,790,697	1,164,030	1,224,343	1,586,528
EXPENDITURES				
Paint Bridge Pipework	A/T131901 97,586			
Storage Building	A/T131202	20,000	0	
Sludge Pond Cleaning- 2019	A/T131803 212,157			
Replace Valves- Filters 5 & 6	A/T131805 298,853			
Replace Gate Actuator	A/T131806			
Repair High Service Pump	A/T131807 46,200			
Basin Lining (1)	A/T132008 370,845	375,000	0	400,000
High Service Pump Building Heat Unit	A/T131902 4,668			
Clearwell Mixer	A/T131903 9,851			
#3 High Service Ball Valve/Actuator	A/T131904 11,778			
Surface Wash Nozzle Replacement	A/T131905 8,768			
Replace Security Cameras	A/T132001	7,000	7,000	
Replace Valves- Filters 7 & 8	A/T132003	300,000	0	260,000
Low Service Control Panel Replacement	A/T132004	75,000	75,000	
Repair High Service Pump/Motor/Actuator	A/T132005	95,000	0	
SCADA Upgrade	A/T132006	60,000	0	50,000
Mixer Gearbox Repair	A/T132007	10,000	10,000	
Repair Primary Disconnect	A/T132009	15,000	15,000	
Emergency Low Svc Pump Motor Repairs	A/T132010	0	25,000	
Sludge Pond Cleaning (only 2)- 2021				175,000
Generator Load Bank Test/Fluid Change				35,000
Flash Mixer				12,000
Chemical Bldg Roof Replacement				100,000
Automatic Transfer Switch				200,000
Low Service Repair/Rebuild				65,000
High Service Repair/Rebuild				100,000
Chlorine Analyzer				4,800
TOTAL EXPENDITURES	1,060,705	957,000	132,000	1,401,800
ENDING BALANCE	729,991	207,030	1,092,343	184,728
Transfers from Revenue:	62.81%	63.22%	63.22%	63.14%
Arkansas Share	55,785	55,170	55,170	55,290
Additional Contribution-Arkansas	0	0	0	0
Arkansas Total	55,785	55,170	55,170	55,290
Texas Share	94,215	94,830	94,830	94,710
Additional Contribution-Texas	236,505	336,000	336,000	336,000
Texas Total	330,720	430,830	430,830	430,710
Total	386,505	486,000	486,000	486,000
Ending Balances:				
Arkansas	516,480	205,128	526,389	68,198
Texas	213,512	1,902	565,955	116,530
Total	729,991	207,030	1,092,343	184,728

TEXARKANA WATER UTILITIES

LTWSC Capital Improvement Fund

		<i>Actual FY 2019</i>	<i>Proposed FY 2020</i>	<i>Revised FY 2020</i>	<i>Proposed FY 2021</i>
BEGINNING BALANCE		594,512	776,393	864,606	118,624
REVENUE					
Member Cities		60,802	56,932	56,932	82,358
Transfers from Arkansas		181,933	168,478	168,478	244,250
Transfers from Texas		307,266	289,590	289,590	418,392
Other Transfers from Arkansas					
Other Transfers from Texas		77,384			
CD Funds Transfer From Texas		275,000			
Interest Income		24,041	13,700	9,562	7,650
Insurance Proceeds					
Miscellaneous		1,412	600	600	600
TOTAL REVENUE		927,838	529,300	525,162	753,250
TOTAL FUNDS AVAILABLE		1,522,350	1,305,693	1,389,768	871,874
EXPENDITURES					
Filter Media Replacement	L121707	196			
TCEQ Item: Filter Troughs	L121710	196			
TCEQ Item: Basin Lining (1 Basin)	L121711	409	215,000	297,537	
Upgrade SCADA System	L121801	8,978			
TCEQ Basin Gates and Weirs (Flow Distr Design)	L121805	97,125	0	62,569	
Replace 2nd Ammonia Pipe Stinger	L121806	4,746			
High Service #5 Pump Bowl	L121807		0	6,475	
Filter Effluent Valve and Mag Meter	L121814	29,995			
Filter Control for #3, #5, #6 & #7 Filters	L121816	2,749			
Settled Water Mixing Chamber	L121817	553	0	19,515	
Rate of Flow Venturies for 4 Filter Effluent Lines-Raw	L121901	16,423	49,000	10,147	
#2 Influent Valve/Actuator	L121902	14,458	17,000	0	
East Alum Pump Replacement	L121903	4,205			
#1 Intake Pump/Gate & Ball Valves/Actuator, Piping	L121904	17,232			
East Basin Sludge Rakes	L121905	44,433			
Chlorine Dioxide Enclosure/Leak Detection	L121906	17,500			
Pump and Motor Rebuild	L121907	104,630	80,000	44,947	
Surface Wash Arms/Bearings/Nozzle	L121908	47,148			
Filter Troughs PH II	L121915	179,519			
Low Service Pump #4 VFD- Emergency Replacemt	L121917	64,209			
Replace Gate Access Controller	L121918	3,042			
Replace Pump Room Flooring	L122001		16,000	0	
PC Replacements (6) & iPads (2)	L122002		8,200	2,673	
Replace Security Cameras	L122003		7,000	0	
MCC Control Panel Replacement in Lime Bldg	L122004		373,000	0	
Repair Parking Lot	L122005		75,000	0	
Low Service Switch Gear Emergency Repl	L122006		0	517,069	
New Boston Transfer Switch	L122007		10,000	10,000	
TCEQ-Clearwell Top Cleaning	L122008		6,000	6,000	
SCADA Upgrades-Patman	L122009		50,000	0	
SCADA Upgrades-All Sites	L122010		45,000	45,000	
Replace Ferris Mower	L122011		15,000	9,215	
Replace Side-by-Side (ROW Maint)	L122012		15,000	0	
Replace 1/2 Ton Truck	L122013		30,000	48,627	
I-30 Valve	L122014		60,000	0	
High Service Pump/Motor Repair	L122015		90,000	0	
Replace Basin Tower and Rakes	L122016		48,000	0	

TEXARKANA WATER UTILITIES

LTWSC Capital Improvement Fund

		Actual FY 2019	Proposed FY 2020	Revised FY 2020	Proposed FY 2021
Gate Opener for Back Gate	L122017		0	3,525	
Low Service Power Upgrade	L122018		30,000	30,000	
300K Gallon Standpipe Painting-Avery	L122019		0	77,836	
AC/ Insulation at Low Service	L122020		0	43,663	
Plant Drainage Ditch Clearing	L122021		0	26,766	
Portable Tank Mixer	L122022		0	9,580	
Line Settling Basin #2					270,000
MCC Control Panel Replacement (incl engineering)					420,000
SCADA Upgrade-Patman					50,000
Influent Valve & Actuator					35,000
Rebuild Raw Pump					95,000
TOTAL EXPENDITURES		657,744	1,239,200	1,271,144	870,000
ENDING BALANCE		864,606	66,493	118,624	1,874

TREATED WATER BY PLANT (000's)
FYE 9/30/20

	<u>Wright Patman</u>	<u>Millwood</u>	<u>Total</u>	
JUL 2019	245,625	288,432	534,057	
AUG 2019	378,618	247,747	626,365	
SEP 2019	380,821	240,445	621,266	
OCT 2019	393,585	164,718	558,303	
NOV 2019	345,771	86,561	432,332	
DEC 2019	123,109	309,389	432,498	
JAN 2020	304,835	105,616	410,451	
FEB 2020	314,445	74,004	388,449	
MAR 2020	16,764	421,968	438,732	
APR 2020	-	450,148	450,148	
MAY 2020	-	469,533	469,533	
JUN 2020	207,065	306,249	513,314	
	<hr/>	<hr/>	<hr/>	
Total Gallons-Prior 12 Mos.	<u>2,710,638</u>	<u>3,164,810</u>	<u>5,875,448</u>	<u>MW %</u> 53.86%
Projected FY20 Ending Plant Usage	4,079,407	1,796,041 *	5,875,448	30.57%

**Used 4 Year Average of MW Usage Instead of Projected FY20 Actual %*

Millwood Plant Usage:

Revised Estimated FY20 (4yr Ave)	30.57%
Estimated FY20	32.46%
FY19 Actual	27.15%
FY18 Actual	24.52%
FY17 Actual	29.61%
FY16 Actual	41.00%

FY20 Estimated Consumption (1000 Gallons)
Oct 2019- Jun 2020 (with Jul- Sept 2020 Estimated)

	Estimated based on July- Sept 2019												% OF TOTAL
	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP	YTD						
Oak Grove, TX	2106.280 1548.630	2748.600 1763.550	1428.530 2358.710	1410.040 2738.450	1004.960 2993.280	2107.320 2430.710	24639.060	0.4194%					
Redwater, TX	9864.850 13453.200	9904.750 10000.500	8440.350 12789.150	8100.900 14551.200	8086.600 16977.600	8500.400 13234.650	133904.150	2.2790%					
Central Bowie County	23018.930 19921.022	24004.550 17668.475	17858.260 18326.079	17850.160 23060.550	17130.790 30282.830	19099.481 22811.940	251033.067	4.2726%					
Nash, TX	8852.000 7529.000	7957.000 6737.000	7110.000 7967.000	6744.000 10635.000	6422.000 13201.000	7122.000 9045.000	99321.000	1.6904%					
Macedonia Eylau	13463.800 14345.326	15584.751 13609.099	13087.658 17267.195	12777.177 16163.236	12209.708 19229.686	13510.795 15867.975	177116.406	3.0145%					
Red River County	0.000 0.000	0.000 0.010	0.000 0.010	0.000 665.310	0.670 0.000	0.000 0.000	666.000	0.0113%					
Day & Zimmerman	210.000 530.000	520.000 200.000	640.000 1100.000	920.000 370.000	1040.000 660.000	500.000 970.000	7660.000	0.1304%					
Leary, TX	1698.460 1798.440	2045.900 1644.360	1701.910 2174.653	1662.940 2047.560	1555.750 2103.660	1617.270 1927.980	21978.883	0.3741%					
Mandeville, AR	3624.288 3283.514	1911.848 3742.096	2601.410 2722.033	2410.596 2602.048	1997.342 3089.706	2186.161 3329.370	33500.412	0.5702%					
Union Water	9756.718 9486.280	7324.545 11473.891	9405.712 10431.711	9125.469 9516.589	8849.154 11534.034	8587.074 12428.712	117919.889	2.0070%					
MCPWA	7675.000 2650.000	3750.000 2710.000	3555.000 4030.000	4290.000 4960.000	4110.000 7970.000	3420.000 5560.000	54680.000	0.9307%					
RWRD-TAC East	2348.000 2420.000	2158.000 2244.000	2584.000 1878.000	2546.000 2143.410	2467.000 1535.550	2716.000 1808.000	26847.960	0.4570%					
Total Wholesale	82618.326 76965.412	77909.944 71792.981	68412.830 81044.541	67837.282 89453.353	64873.974 109577.346	69366.501 89414.337	949266.827						
New Boston, TX	32746.410 27366.530	32273.650 23311.600	26400.960 31859.030	25774.610 30624.650	23894.580 35383.680	28000.940 29808.110	347444.750	5.9135%					
Hooks, TX	17728.230 13102.010	16624.610 10440.370	14089.030 13563.420	13387.990 14202.210	11365.060 17074.350	11159.140 14596.480	167332.900	2.8480%					
DeKalb, TX	6928.000 7331.000	6165.000 6234.000	5210.000 8159.000	4865.000 6749.000	4823.000 8140.000	6383.000 6361.000	77348.000	1.3165%					
Wake Village, TX	14471.000 12332.000	13313.000 11734.000	10921.000 14834.000	10389.000 19276.000	10495.000 20769.000	11803.000 15707.000	166044.000	2.8261%					
Maud, TX	4667.000 4206.000	5596.000 4189.000	3608.000 4540.000	3431.000 3816.000	3203.000 4975.000	3286.000 4146.000	49663.000	0.8453%					
Avery, TX	1422.900	2281.800	1610.600	1368.400	1307.300	1476.900							

**FY20 Estimated Consumption (1000 Gallons)
Oct 2019- Jun 2020 (with Jul- Sept 2020 Estimated)**

	Estimated based on July- Sept 2019										YTD	% OF TOTAL
	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP						
Annaona, TX	1415.400	1226.500	1447.200	1472.100	1591.600	1627.200	18247.900	0.3106%				
	746.317	669.463	523.878	443.776	472.183	577.344	7006.470	0.1192%				
	583.942	485.305	634.849	763.402	542.081	563.930						
RWRD- (RRAD)	23476.184	21015.890	17979.624	16130.208	16811.760	16742.438	233849.542	3.9801%				
	16064.250	17539.998	19291.486	24881.256	22338.598	21577.850						
Total Member Cities & RWRD	102186.041	97939.413	80343.092	75789.984	72371.883	79428.762	1066936.562					
	82401.132	75160.773	94328.985	101784.618	110814.309	94387.570						
Total Wholesale, Member Cities & RWRD	184804.367	175849.357	148755.922	143627.266	137245.857	148795.263	2016203.389					
	159366.544	146953.754	175373.526	191237.971	220391.655	183801.907						
Texarkana, AR	134485.553	91509.384	105742.465	103380.602	95789.363	119906.598	1486161.374	25.2944%				
	112492.451	127968.995	140274.077	131301.381	156619.660	167690.845						
Texarkana, TX	239013.080	164973.259	177999.613	163443.132	155413.780	170030.139	2373083.237	40.3898%				
	178289.005	194610.251	197666.397	211517.648	250353.685	269773.248						
Total Texarkana	373498.633	256482.643	283742.078	266823.734	251203.143	289936.737	3859244.611					
	290781.456	322579.246	337940.474	342819.029	405973.345	437464.093						
Total All	558303.000	432332.000	432498.000	410451.000	388449.000	438732.000	5875448.000	100.0001%				
	450148.000	469533.000	513314.000	534057.000	626365.000	621266.000						

City of Texarkana, Texas
Proposed Water Production Rate By Plant
9/30/2021

	<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	1,490,593		1,490,593	375,205		375,205	1,865,798
Supplies	1,011,800		1,011,800	423,475		423,475	1,435,275
Repairs & Maintenance	213,475		213,475	63,150		63,150	276,625
Contractual Services	746,274		746,274	444,275		444,275	1,190,549
Subtotal	3,462,142	-	3,462,142	1,306,105	-	1,306,105	4,768,247
Sludge Costs		167,662	167,662		175,000	175,000	342,662
Sludge Chemical/Transp Cost		42,916	42,916		-	-	42,916
Composting Revenue	-	(25,871)	(25,871)	-	-	-	(25,871)
Subtotal	-	184,707	184,707	-	175,000	175,000	359,707
Administration Costs 6.58%	227,809	12,154	239,963	85,942	11,515	97,457	337,419
Total Water Production Cost	3,689,951	196,861	3,886,812	1,392,047	186,515	1,578,562	5,465,373
Estimated Gallons By Plant			4,079,407			1,796,041	5,875,448
Estimated Cost Per 1,000 Gal			0.9528			0.8789	0.9302
			LWP			MW	Total
			<i>Prior Year</i>				
			0.9532			0.8974	0.9389

City of Texarkana, Texas
Proposed Water Production Rate
9/30/2021

Water Production (both lakes)	Amount As Budgeted 2021	
Total Gallons	5,875,448	(in thousands)
* Total Cost	5,465,373	
Water Rate	<u>0.9302</u>	(per thousand) -0.93% Decrease
<i>Prior Year Water Rate</i>	<i>0.9389</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 \$175,000 for Millwood
- 4) Administrative Overhead - **6.58%** of the sum of 1, 2 and 3 as listed above

City of Texarkana, Texas

Proposed Water Production Rate By City

9/30/2021

Water Rate Calculation					
ANNUAL			MONTHLY		
	(in thousands)				(in thousands)
	2021 Budgeted Gallons as Estimated by the Water Department	Budgeted Cost Total as Estimated by the Water Department	Estimated 2021 Water Rate	Monthly Billing - Water Cost Only	Monthly Gallons
New Boston	347,445	323,195	0.9302	26,933	28,954
Hooks	167,333	155,654	0.9302	12,971	13,944
Dekalb	77,348	71,950	0.9302	5,996	6,446
Wake Village	166,044	154,455	0.9302	12,871	13,837
Maud	49,663	46,197	0.9302	3,850	4,139
Avery	18,248	16,974	0.9302	1,415	1,521
Annona	7,006	6,517	0.9302	543	584
Total	833,087	774,942	0.9302	64,579	69,423
Texarkana, AR	1,692,262	1,574,151	0.9302	131,179	141,022
Texarkana, TX	3,116,250	2,898,752	0.9302	241,563	259,687
RWRD	233,850	217,528	0.9302	18,127	19,487
Total	5,042,361	4,690,431	0.9302	390,869	420,197
Total All Cities	5,875,448	5,465,373	0.9302	455,448	489,620

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
9/30/2021

Member Cities	Original Ownership %	Revised Ownership %	Annual	Monthly
New Boston	3.572227%	3.572227%	26,613.09	2,217.76
Hooks	2.275268%	2.275268%	16,950.75	1,412.56
DeKalb	2.143895%	2.143895%	15,972.02	1,331.00
Wake Village	1.632379%	1.632379%	12,161.22	1,013.44
Maud	1.123658%	1.123658%	8,371.25	697.60
* Avery	0.419275%			
Annona	0.307469%	0.307469%	2,290.64	190.89
Total Member Cities	11.474171%	11.054896%	82,358.97	6,863.25
Texarkana				
** Texarkana, AR	32.792567%	32.792567%	244,249.48	20,354.12
** Texarkana, TX	55.733262%	56.152537%	418,391.55	34,865.96
Total Texarkana	88.525829%	88.945104%	662,641.03	55,220.08
Grand Total	100.000000%	100.000000%	745,000.00	62,083.33

Contribution Required for 2021 projects in the LTWSC Capital Improvement Fund = \$745,000

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

**Texarkana portion allocated betw AR/TX based upon their FY21 Ratio of 36.86%/63.14%

**City of Texarkana, Texas
Proposed Debt Service Rate
Highway 82 Widening Project
9/30/2021**

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%		8,671.47	722.62
Hooks	2.275268%	2.275268%	3.385441%		5,523.14	460.26
DeKalb	2.143895%	2.143895%	3.189967%		5,204.24	433.69
Wake Village	1.632379%	1.632379%	2.428867%		3,962.55	330.21
Maud	1.123658%	1.123658%	1.671925%		2,727.65	227.30
### Avery	0.419275%					
Annona	0.307469%	0.307469%	0.457493%		746.37	62.20
Total Member Cities	11.474171%	11.054896%	16.448919%		26,835.42	2,236.28
Texarkana						
*** Texarkana, AR	32.792567%					
Texarkana, TX	55.733262%	56.152537%	83.551081%		136,308.58	11,359.05
Total Texarkana	88.525829%	56.152537%	83.551081%		136,308.58	11,359.05
Grand Total	100.000000%	67.207433%	100.000000%		163,144.00	13,595.33

Debt Service for 2021 = \$163,144

*** 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, 2019

	Wright Patman	Millwood	Total	
Personal Services:				
Management	25,945	26,093	52,038	From Audited TB for Div 410 & 420
Supervision	119,393	20,469	139,862	
Maintenance & Operations	561,874	167,109	728,983	
Overtime	90,699	36,773	127,472	
Standby	0	0	0	
Shift Differential	7,088	531	7,619	
Pay Out-Annual Leave	2,638	0	2,638	
Pay Out-Sick Leave	1,205	0	1,205	
Pay Out-Comp Time	0	0	0	
Pay Out -Post Retirement Insurance	271	0	271	
Temporary Labor	39,664	0	39,664	
Accrued Payroll	(31,387)	(10,630)	(42,017)	
Longevity	8,310	4,890	13,200	
Group Insurance	123,235	32,150	155,386	
Accrued Vacation & Sick Leave	3,840	18,236	22,076	
Retirement	133,169	42,073	175,242	
Social Security	60,771	19,251	80,022	
Workmen's Compensation	26,525	1,958	28,482	
Unemployment	0	0	0	
Employee Screening	198	170	368	
Certification/License Pay	5,569	3,146	8,715	
Education & Training	13,143	2,690	15,833	
Salary & Benefit Transfers Out	0	0	0	
Total Personal Services	1,192,150	364,908	1,557,058	
Supplies:				
Office Supplies & Expenses	1,161	64	1,225	
Operating Supplies	5,248	2,143	7,391	
Botanical Supplies	0	0	0	
Safety	24,952	23,286	48,238	
Minor Tools	2,761	1,887	4,648	
Wearing Apparel	7,061	1,835	8,897	
Laundry & Janitorial	3,012	943	3,955	
Lab & Photo Supplies	31,920	3,504	35,424	
Printing	690	328	1,018	
Chemicals-Plant	953,517	330,798	1,284,315	
Chemicals-Lake	5,520	0	5,520	
Total Supplies	1,035,842	364,788	1,400,630	
Repairs & Maintenance:				
Office Machines & Equipment	0	0	0	
Motor Vehicles	20,932	2,124	23,056	
Machinery & Equipment	6,404	9,020	15,424	
Signal Equipment	70	418	488	
Buildings	283	760	1,043	
Water Treatment Equipment	63,193	23,005	86,198	
Water Transmission Mains	24,119	3,490	27,608	
Tanks & Reservoirs	595	1,375	1,969	
Sewer Instruments	0	0	0	
Sludge Pond Maintenance	0	0	0	
Equipment Utilization	0	0	0	
Equipment Apportionment	(5,475)	0	(5,475)	
Total Repairs & Maintenance	110,120	40,191	150,311	
Contractual Services:				
Accounting & Audit	5,747	2,534	8,281	
Communications	8,276	9,032	17,308	
Rentals	1,718	2,017	3,735	
Fees & Permits	51,737	45,344	97,080	
Freight Charges	0	0	0	
Garbage Hauling	2,639	0	2,639	
Insurance	44,432	14,022	58,453	
Laboratory Services	10,960	92	11,052	
Legal Advertising	0	0	0	
Maintenance Contracts	6,615	456	7,071	
Postage	385	60	445	
Power Purchases	308,880	201,844	510,724	
Power Purchases-Lake	229,167	0	229,167	
Special Services	157	15	172	
Water Rights	613	157,940	158,553	
Total Contractual Services	671,327	433,356	1,104,682	
Rounding	0	0	0	
Subtotals	3,009,438	1,203,243	4,212,681	Reconciled to Audited TB
Sludge Processing	225,635	212,157	437,792	Sludge Actual 2019
Total Operating Expenses	3,235,073	1,415,400	4,650,473	
Administrative Overhead	212,868	93,133	306,001	6.58% Actual Admin
Total Operating Expenses With Overhead	3,447,941	1,508,533	4,956,474	
Total Gallons of Water Sold - All (Consumption Report)	4,027,501,000	1,500,689,000	5,528,190,000	
Actual Cost per 1,000 Gallons (Total Op Exp wOH / Total Gals)	0.8560993	1.0052272	0.8965818	

TEXARKANA WATER UTILITIES

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

For the Year Ended September 30, 2019

Wright Patman Millwood Total
TRUE-UP ADJUSTMENT CALCULATION

	Fiscal Year 2019 Billing					
	2019 Water	2019 Infrastructure	2019 Debt Service	2017 True Up	FY 2019 Annual	FY 2019 Monthly
New Boston	355,372	19,647	8,706	46,608	430,333	35,861
Hooks	145,167	12,514	5,545	(13,473)	149,753	12,479
DeKalb	69,682	11,791	5,225	(2,708)	83,990	6,999
Wake Village	149,507	8,978	3,978	(11,222)	151,241	12,603
Maud	43,286	6,180	2,739	(405)	51,800	4,317
Avery	18,090	-	-	4,136	22,226	1,852
Annona	8,150	1,691	749	(1,641)	8,949	746
RWRD	271,207	-	-	9,455	280,662	23,389
	\$1,060,461	\$60,801	\$26,942	\$30,750	\$1,178,954	\$98,246

	Fiscal Year 2019 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	394,582	355,372	0.900600	340,813	305,566	0.8965818	(49,806)	(4,150.48)
Hooks	161,184	145,167	0.900600	164,125	147,151	0.8965818	1,984	165.37
DeKalb	77,370	69,682	0.900600	71,964	64,522	0.8965818	(5,160)	(430.03)
Wake Village	166,003	149,507	0.900600	162,882	146,037	0.8965818	(3,470)	(289.16)
Maud	48,062	43,286	0.900600	43,951	39,406	0.8965818	(3,880)	(323.36)
Avery	20,086	18,090	0.900600	16,972	15,217	0.8965818	(2,873)	(239.45)
Annona	9,049	8,150	0.900600	7,381	6,618	0.8965818	(1,532)	(127.67)
RWRD	301,131	271,207	0.900600	231,851	207,873	0.8965818	(63,334)	(5,277.82)
Total	1,177,467	\$1,060,461		1,039,938	\$932,390		(\$128,071)	(\$10,673)

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

Composting Costs:

Compost Division Budget Expenses (580):

Personal Services	183,841
Supplies	8,498
Repairs & Maintenance	142,060
Contractual Services	17,567
Capital Outlays	<u>0</u>
Total Division Expenses	351,965

Other Labor & Benefits (530):

Operator II (1300 Bldg)	40,181
Plant Mechanic I (1/2)	<u>15,835</u>
Total Other Labor	56,016

Benefit Percentage	X	<u>58.95%</u>
Total Benefit Cost		<u>33,021</u>

Total Other Labor & Benefits	<u>89,037</u>
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Total Composting & Other Labor Costs	441,002
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Amount Attributable to Water Treatment

Plant Sludge (TSS):

Wright Patman Solids (Metric Tons)	1,078.160	
South Regional Influent Solids (Metric Tons)	<u>2,260.180</u>	
Water Treatment TSS Ratio		<u>47.70240%</u>

Total Applicable Compost Costs		210,368
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Sludge Chemical Costs:

Total Cost of Polymer	103,307
Water Treatment TSS Ratio	<u>47.70240%</u>

Total Sludge Chemical Costs	49,280
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Transportation Costs:

200 Site Pumping Costs (Electrical)	115,224
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Amount Attributable to Water Treatment Plant Waste:

Wright Patman Gallons Wasted (Mil Gallons)	199.397	
South Regional Influent Flows (Mil Gallons)	<u>3,761.500</u>	
Water Treatment Plant Volume Ratio		<u>5.30100%</u>

Total Transportation Costs	<u>6,108</u>
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Total Estimated Sludge Processing Costs Applicable to Water Plant	265,756
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Less Compost Sales:

Total Compost Sales	84,107
Water Treatment TSS Ratio	<u>47.70240%</u>
Sales Applicable to Water Treatment Plant Sludge	<u>(40,121)</u>

Net Sludge Processing Costs Applicable to Water Plant	<u>225,635</u>
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FY19 Actual Consumption (1000 Gallons)
Oct 2018- Sep 2019

	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%
Total Wholesale	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	5532.000 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	1479.500	1659.300	1349.700	1098.700	1137.400		

**FY19 Actual Consumption (1000 Gallons)
Oct 2018- Sep 2019**

	OCT/ APR	NOV/ MAY	DEC/ JUN	JAN/ JUL	FEB/ AUG	MAR/ SEP	YTD	% OF TOTAL
Annaona, TX	1439.700 660.233 728.827	1286.300 613.117 452.433	1389.800 666.216 390.025	1472.100 588.251 763.402	1591.600 693.947 542.081	1627.200 718.887 563.930	16971.800	0.3070%
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	7381.349	0.1335%
Total Member Cities & RWRD	86883.974 88627.097	76592.025 81360.395	78685.386 86858.061	82534.791 101784.618	74729.610 110814.309	76680.558 94387.570	231850.805	4.1940%
Total Wholesale, Member Cities & RWRD	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%
Total Texarkana	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	
Total All	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
9/30/2021

	2021 Annual Cost				2020 Annual Cost Total	Increase/ (Decrease)
	Water	Infrastructure	Debt Service	2019 True Up		
New Boston	323,195	26,613	8,671	(49,806)	352,463	(43,789)
Hooks	155,654	16,951	5,523	1,984	166,196	13,916
DeKalb	71,950	15,972	5,204	(5,160)	87,768	197
Wake Village	154,455	12,161	3,963	(3,470)	164,985	2,124
Maud	46,197	8,371	2,728	(3,880)	55,364	(1,949)
Avery	16,974	-	-	(2,873)	15,400	(1,299)
Annona	6,517	2,291	746	(1,532)	11,499	(3,477)
Texarkana, AR	1,574,151	244,249	-	-	1,561,743	256,657
Texarkana, TX	2,898,752	418,392	136,309	-	3,159,482	293,970
RWRD	217,528	-	-	(63,334)	243,245	(89,051)
\$	5,465,373	745,000	163,144	(128,071)	5,818,145	\$ 427,301

	2021 Monthly Cost				2020 Monthly Cost Total	Increase/ (Decrease)
	Water	Infrastructure	Debt Service	2019 True Up		
New Boston	26,933	2,218	723	(4,150)	29,372	(3,649)
Hooks	12,971	1,413	460	165	13,850	1,160
DeKalb	5,996	1,331	434	(430)	7,314	16
Wake Village	12,871	1,013	330	(289)	13,749	177
Maud	3,850	698	227	(323)	4,614	(162)
Avery	1,415	-	-	(239)	1,283	(108)
Annona	543	191	62	(128)	958	(290)
Texarkana, AR	131,179	20,354	-	-	130,145	21,388
Texarkana, TX	241,563	34,866	11,359	-	263,290	24,498
RWRD	18,127	-	-	(5,278)	20,270	(7,421)
\$	455,448	62,083	13,595	(10,673)	484,845	\$ 35,608