



RIVERBEND RESOLUTION NO. 20190925-01

**ADOPTING THE FY 2018-2019 MEMBER ENTITIES' TRUE-UP
AND FY 2019-2020 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 2018-2019 water consumption calculations, and proposed an annual budget for FY 2019-2020 to be used in establishing the wholesale water rates; and

WHEREAS, Riverbend Water Resources District held an annual True-Up meeting on August 14, 2019 at 10:00 a.m. at the Riverbend Offices to discuss the True-Up Process and information provided by the City of Texarkana, Texas and its water department through Texarkana Water Utilities; and

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Riverbend Water Resources District hereby adopts the FY 2018-2019 Member Entities' True-Up and FY 2019-2020 wholesale water rates and fees of the Texarkana Water Utilities.

PASSED and APPROVED this 25th day of September 2019


Fred Milton, President

ATTEST:


Van Alexander, Secretary

Attached: 2018-2019 Member City Rate Calculation Packet provided by Texarkana Water Utilities

Member City
Water Rate
Calculation
2020

City of Texarkana, Texas
Proposed Water Production Rate Assumptions
9/30/2020

Assumptions regarding the 2020 Water Rate:

- 1) The water rate is determined based on the adopted FY 2020 Water Department Budget.
- 2) The administration overhead rate has been calculated using **6.32%** of total budget water production costs using the method approved effective with the FY 2018 budget billing.
- 3) The 2018 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 2020 excludes the amount due to Riverbend. Each City will be responsible for remitting their amount directly to Riverbend.

CALCULATION OF OVERHEAD PERCENTAGE

From FY 2018 Audited Amounts

| | 2018 Audited Amounts |
|-------------------------|-------------------------------------|
| Admin Divisions: | |
| Administration | 538,516 |
| Finance | 458,802 |
| Safety/Security | 0 |
| Engineering | 59,285 |
| GIS | 30,631 |
| Information Technology | 5,507 |
| Total Admin | 1,092,741 |
| Other Divisions: | |
| Customer Service | 852,872 |
| Water Production | 4,397,769 |
| Water Distribution | 1,051,479 |
| Sewer Collection | 1,102,446 |
| Wastewater | 4,114,777 |
| Environmental Services | 350,629 |
| Information Technology | 972,111 |
| Engineering | 520,985 |
| GIS | 269,177 |
| Composting | 326,425 |
| Operations Admin | 255,997 |
| Service Center | 626,363 |
| Water/Swr Constr | 846,779 |
| Field Services | 509,607 |
| Total Other | 16,197,416 |
| Total Expenses | 17,290,157 |
| Admin % of Total | 6.32% |

FY18 Audit Amounts:

| | |
|---------------------|-------------------|
| Oper Div Total | 22,836,323 |
| Less: | |
| Depr | (5,340,675) |
| Other Expenses | (205,491) |
| Total | 17,290,157 |
| Rounding Difference | 0 |

CALCULATION OF OVERHEAD PERCENTAGE

From FY 2018 Audited Amounts

Engineering & GIS Divisions Allocation to OH:

| | |
|--------------------------|----------------|
| Engineering-Division 710 | 580,270 |
| GIS-Division 740 | <u>299,808</u> |
| Total | <u>880,078</u> |

| <u>FY18 Capital Project Hours:</u> | | | <u>Engineering Division 710</u> | <u>GIS Division 740</u> | <u>Total</u> |
|------------------------------------|--------------|-----------------------------------------------------------------------------------|-------------------------------------|-----------------------------|----------------|
| WP & MW Projects | 490 | 10.2168% | 59,285 | 30,631 | 89,916 |
| Other Projects | <u>4,306</u> | 89.7832% | <u>520,985</u> | <u>269,177</u> | <u>790,162</u> |
| Total | <u>4,796</u> | 100.0000% | <u>580,270</u> | <u>299,808</u> | <u>880,078</u> |

Information Technology (IT) Division Allocation to OH:

| | |
|--------------------------------|----------------|
| Information Tech- Division 230 | <u>977,618</u> |
|--------------------------------|----------------|

| <u>FY18 IT Logged Workorder Hours:</u> | | | <u>Info Tech Division 230</u> |
|----------------------------------------|--------------|----------------------------------------------------------------------------------|-----------------------------------|
| Division 410 | 8 | 0.1965% | |
| Division 420 | <u>14</u> | 0.3668% | |
| Total WP & MW | <u>22</u> | 0.5633% | <u>5,507</u> |
| Other Utility Divisions | <u>3,795</u> | 99.4367% | <u>972,111</u> |
| Total | <u>3,817</u> | 100.0000% | <u>977,618</u> |

TEXARKANA WATER UTILITIES

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET POSITION

For the Year Ended September 30, 2018

With Comparative Totals for the Year Ended September 30, 2017

| | <u>Texarkana, Arkansas Water Utilities</u> | | | <u>Texarkana, Texas Water Utilities</u> |
|---------------------------------------------------------------|--------------------------------------------------------|-----------------|----------------|-----------------------------------------------------|
| Operating revenues: | | | | |
| Water sales | \$ 3,862,234 | | | 7,118,966 |
| Wholesale water sales | 55,555 | | | 2,107,205 |
| Water connection fees | 3,300 | | 8,183,869 + + | 10,650 |
| Sewer charges | 3,878,381 | | 14,652,454 + + | 6,689,819 |
| Penalties and service charges | 430,516 | | | 639,546 |
| Other income | 772,565 | | 1,953,199 - - | 1,181,071 |
| Total operating revenues | <u>9,002,551</u> | | 22,173 - - | <u>17,747,257</u> |
| Operating expenses: | | | 3,572,476 - - | |
| Administrative | 202,103 | | 183,318 - - | 336,413 |
| Finance | 475,924 | | | 960,496 |
| Customer service | 317,185 | 006 | | 535,687 |
| Water production | 1,321,750 | | 17,290,157 * * | 3,076,019 |
| Water distribution | 408,040 | | | 643,439 |
| Sewer collection | 443,912 | | | 658,534 |
| Wastewater treatment | 1,476,072 | | | 2,638,705 |
| Environmental service | 127,234 | | | 223,395 |
| Engineering design | 217,358 | 66 | | 362,912 |
| Geographical information systems | 111,531 | | | 188,277 |
| Composting | 121,824 | | | 204,601 |
| Operations administration | 95,813 | | | 160,184 |
| Service center | 374,492 | | | 251,871 |
| Safety/Security | | | | |
| Field service | 186,556 | 22,089 | 5,530 | 323,051 |
| Construction oversight | 313,703 | 5,939 | 355 | 533,076 |
| Depreciation | 1,968,199 | 103,461 | 13,937 | 3,372,476 |
| Other expenses | 22,173 | | 351 | 183,318 |
| Contract water & sewer expense-International Paper | | | | |
| Total operating expense | <u>8,183,869</u> | <u>264,729</u> | <u>60,492</u> | <u>14,652,454</u> |
| Operating income (loss) | <u>818,682</u> | <u>238,321</u> | <u>32,723</u> | <u>3,094,803</u> |
| Nonoperating revenues (expense): | | | | |
| Interest revenue - investments | 55,669 | 1,089 | 162 | 160,453 |
| Interest revenue - capital leases | 117,152 | | | 8,216 |
| Interest expense and paying agent fees | (656,181) | (50,801) | (7,104) | (114,994) |
| Interest expense - capital leases | | | | (117,152) |
| Gain (loss) on disposal of capital assets | 1,899 | | | (60,571) |
| Total nonoperating revenues (expenses) | <u>(481,461)</u> | <u>(49,712)</u> | <u>(6,942)</u> | <u>(124,048)</u> |
| Income before contributions and transfers | 337,221 | 188,609 | 25,781 | 2,970,755 |
| Capital contributions | | | | 22,539 |
| Transfers out | (853,431) | | | (6,018,900) |
| Change in net position | <u>(516,210)</u> | <u>188,609</u> | <u>25,781</u> | <u>(3,025,606)</u> |
| Total net position, beginning of year, as previously reported | 42,714,623 | 786,344 | 150,570 | 71,768,995 |
| Prior period adjustment | (713,426) | | | (1,178,370) |
| Total net position, beginning of year, as restated | <u>42,001,197</u> | <u>786,344</u> | <u>150,570</u> | <u>70,590,625</u> |
| Total net position, end of year | <u>\$ 41,484,987</u> | <u>974,953</u> | <u>176,351</u> | <u>67,565,019</u> |

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

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

| | <i>Actual 17-18</i> | <i>Budget 18-19</i> | <i>Revised 18-19</i> | <i>Budget 19-20</i> |
|-----------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| EXPENDITURES | | | | |
| Personal Services | 1,194,642 | 1,394,455 | 1,242,846 | 1,460,373 |
| Supplies | 1,065,147 | 1,001,330 | 1,145,760 | 1,018,810 |
| Repairs & Maintenance | 111,879 | 216,749 | 180,230 | 214,930 |
| Contractual Services | 784,211 | 687,019 | 759,097 | 755,679 |
| Capital Outlay | 0 | 0 | 0 | 0 |
| TOTAL | 3,155,879 | 3,299,553 | 3,327,933 | 3,449,792 |

FY 20
to
FY 19
Change

PERSONAL SERVICES

| | | | | | | |
|--------------|-----------------------------|------------------|------------------|------------------|------------------|---------|
| 511100 | Supervision | 155,491 | 166,174 | 149,239 | 183,475 | |
| 511111 | Management-Regular | 24,792 | 24,387 | 29,556 | 26,487 | |
| 511113 | Management-Incentive | 1,838 | 1,838 | 1,838 | 1,838 | |
| 511211 | Supervision-Reg Pay | 122,459 | 134,949 | 112,845 | 150,150 | |
| 511212 | Supervision-Overtime | 6,402 | 5,000 | 5,000 | 5,000 | |
| 511214 | Supervision-Standby | 0 | 0 | 0 | 0 | |
| 511411 | Maintenance & Oper | 570,086 | 698,963 | 570,795 | 733,674 | + 4.97% |
| 511412 | Overtime | 84,504 | 43,000 | 87,909 | 43,000 | |
| 511414 | Standby | 0 | 0 | 0 | 0 | |
| 511415 | Shift Differential | 7,449 | 7,500 | 7,163 | 7,500 | |
| 511523 | Payout-Comp Time | 0 | 0 | 0 | 0 | |
| 511611 | Temporary Labor | 19,732 | 20,000 | 35,000 | 20,000 | |
| 511811 | Stipend | 0 | 0 | 0 | 0 | |
| 512111 | Longevity | 8,049 | 8,685 | 8,310 | 9,315 | |
| 512112 | Group Insurance | 133,208 | 175,624 | 135,743 | 177,125 | |
| 512114 | Retirement | 136,373 | 149,925 | 132,323 | 157,284 | |
| 512115 | Social Security | 60,878 | 70,711 | 62,991 | 74,699 | |
| 512116 | Workmen's Comp | 21,050 | 22,523 | 26,523 | 22,951 | |
| 512117 | Unemployment | 0 | 1,000 | 0 | 0 | |
| 512118 | Employee Screening | 128 | 250 | 250 | 250 | |
| 512121 | Incentive | 0 | 0 | 0 | 0 | |
| 512100 | Education & Training | 15,540 | 30,100 | 26,600 | 31,100 | |
| 512122 | Training-Seminars & Other | 355 | 6,000 | 3,000 | 5,000 | |
| 512123 | Training-Licenses & Certifi | 7,075 | 10,000 | 10,000 | 12,000 | |
| 512124 | Travel | 5,488 | 8,000 | 10,000 | 10,000 | |
| 512125 | Books & Subscriptions | 0 | 100 | 100 | 100 | |
| 512126 | Dues | 1,427 | 3,000 | 3,000 | 3,000 | |
| 512127 | Licenses | 1,195 | 3,000 | 500 | 1,000 | |
| 512128 | Awards & Certificates | 0 | 0 | 0 | 0 | |
| 519999 | Salary & Ben Transfer | (17,846) | 0 | 0 | 0 | |
| TOTAL | | 1,194,642 | 1,394,455 | 1,242,846 | 1,460,373 | + 4.73% |

SUPPLIES

| | | | | | |
|--------|---------------------|-------|-------|-------|-------|
| 521100 | Office Supplies | 1,945 | 2,100 | 2,330 | 2,330 |
| 521111 | Paper | 233 | 300 | 300 | 300 |
| 521112 | Writing Instruments | 16 | 50 | 30 | 30 |

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

| | | <i>Actual</i> <i>17-18</i> | <i>Budget</i> <i>18-19</i> | <i>Revised</i> <i>18-19</i> | <i>Budget</i> <i>19-20</i> | |
|--------|------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|---------|
| 521113 | Computer Supplies | 578 | 1,000 | 1,000 | 1,000 | |
| 521114 | Other Off Sup & Exp | 1,118 | 750 | 1,000 | 1,000 | |
| 521115 | Minor Software | 0 | 0 | 0 | 0 | |
| 521200 | Operating Supplies | 6,236 | 8,500 | 8,500 | 8,500 | |
| 521211 | Consumable Items | 3,706 | 6,000 | 6,000 | 6,000 | |
| 521212 | Non Consumable Items | 2,530 | 2,500 | 2,500 | 2,500 | |
| 521311 | Botanical Supplies | 10 | 200 | 50 | 200 | |
| 521400 | Safety | 24,241 | 25,050 | 24,300 | 25,400 | |
| 521411 | Personal Protect Equip | 2,776 | 4,000 | 3,000 | 4,000 | |
| 521413 | Emergency Response Eq | 345 | 150 | 500 | 500 | |
| 521415 | Facilities Maintenance | 20,663 | 20,000 | 20,000 | 20,000 | |
| 521417 | Laboratory & Environ | 87 | 300 | 300 | 300 | |
| 521418 | Storage & Handling | 0 | 100 | 0 | 100 | |
| 521419 | Grounds Maintenance | 370 | 500 | 500 | 500 | |
| 521700 | Minor Tools | 4,076 | 6,000 | 4,200 | 6,000 | |
| 521711 | Electronic Tools | 0 | 1,000 | 1,000 | 1,000 | |
| 521712 | Hand Tools | 2,901 | 3,000 | 2,000 | 3,000 | |
| 521713 | Power Tools | 1,175 | 2,000 | 1,200 | 2,000 | |
| 521900 | Wearing Apparel | 6,290 | 7,800 | 6,300 | 7,800 | |
| 521911 | Uniform Cost | 0 | 0 | 0 | 0 | |
| 521912 | Uniform Maintenance | 6,283 | 7,000 | 6,000 | 7,000 | |
| 521913 | All Weather Gear | 7 | 300 | 300 | 300 | |
| 521919 | Other Wearing Apparel | | 500 | 0 | 500 | |
| 522300 | Laundry & Janitorial | 3,110 | 3,000 | 3,000 | 3,000 | |
| 522311 | Laundry Service | | | | | |
| 522312 | Janitorial Service | 2,038 | 2,000 | 2,000 | 2,000 | |
| 522313 | Laundry & Jan Supplies | 1,072 | 1,000 | 1,000 | 1,000 | |
| 522500 | Lab & Photo Supplies | 23,198 | 34,000 | 28,500 | 34,000 | |
| 522511 | Lab Supplies | 4,806 | 6,000 | 6,000 | 6,000 | |
| 522512 | Lab Chemicals | 18,392 | 25,000 | 21,000 | 25,000 | |
| 522513 | Lab Equipment Repairs | 0 | 3,000 | 1,500 | 3,000 | |
| 522521 | Photo Supplies & Exp | 0 | | | | |
| 522700 | Printing | 390 | 1,000 | 1,000 | 1,000 | |
| 522711 | Stationery | | | | | |
| 522712 | Billing Forms | 0 | | | | |
| 522713 | Other Forms | 390 | 500 | 500 | 500 | |
| 522719 | Other | 0 | 500 | 500 | 500 | |
| 522800 | Chemicals - Plant | 966,251 | 862,180 | 1,016,080 | 899,080 | |
| 522811 | Activated Carbon | | | | | |
| 522812 | Anhydrous Ammonia | 31,150 | 25,000 | 35,000 | 35,000 | |
| 522813 | Calcium Hypochlorinate | | | | | |
| 522815 | Caustic Soda | 426,144 | 413,100 | 500,000 | 425,000 | + 2.88% |
| 522816 | Chlorine | 62,478 | 64,080 | 64,080 | 64,080 | |
| 522817 | Copper Sulphate | | | | | |
| 522819 | Hydrated Lime | 0 | | | | |
| 522821 | Liquid Alum | 319,592 | 260,000 | 317,000 | 275,000 | + 5.77% |
| 522822 | Polymer | 9,734 | 0 | 0 | 0 | |

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

| | | <i>Actual</i> 17-18 | <i>Budget</i> 18-19 | <i>Revised</i> 18-19 | <i>Budget</i> 19-20 | |
|--------------|------------------------|------------------------|------------------------|-------------------------|------------------------|----------------|
| 522823 | Potassium Permanganate | | | | | |
| 522824 | Sodium Chlorite | 99,490 | 80,000 | 80,000 | 80,000 | |
| 522826 | Zinc Ortho Phosphate | 17,663 | 20,000 | 20,000 | 20,000 | |
| 522827 | Sodium Hydroxide | | | | | |
| 522839 | Other | 0 | 0 | 0 | 0 | |
| 522900 | Chemicals - Lake | 29,400 | 51,500 | 51,500 | 31,500 | |
| 522914 | Carbon | 29,400 | 50,000 | 50,000 | 30,000 | |
| 522916 | Chlorine | 0 | | | | |
| 522917 | Copper Sulphate | 0 | 1,500 | 1,500 | 1,500 | |
| 522939 | Other | 0 | 0 | 0 | 0 | |
| TOTAL | | 1,065,147 | 1,001,330 | 1,145,760 | 1,018,810 | + 1.75% |

REPAIRS & MAINTENANCE

| | | | | | | |
|--------|------------------------|--------|---------|--------|---------|--|
| 531111 | Office Machines & Eq | 0 | 0 | 0 | 0 | |
| 531200 | Motor Vehicles | 15,546 | 24,700 | 19,000 | 24,700 | |
| 531211 | Antifreeze | 45 | 100 | 100 | 100 | |
| 531212 | Batteries | 199 | 400 | 400 | 400 | |
| 531213 | Filters | 200 | 300 | 300 | 300 | |
| 531214 | Fuel | 12,855 | 18,000 | 15,000 | 18,000 | |
| 531215 | Lubricates | 266 | 500 | 300 | 500 | |
| 531216 | Parts | 1,292 | 1,500 | 1,500 | 1,500 | |
| 531217 | Tires | 634 | 2,000 | 1,000 | 2,000 | |
| 531218 | Labor | 55 | 100 | 100 | 100 | |
| 531219 | Subcontracts | 0 | 1,500 | 0 | 1,500 | |
| 531221 | Towing | | | | | |
| 531239 | Repairs Other | 0 | 300 | 300 | 300 | |
| 531700 | Machinery & Equip | 9,483 | 13,000 | 9,500 | 10,500 | |
| 531711 | Antifreeze | | 100 | 100 | 100 | |
| 531712 | Batteries | 0 | 200 | 200 | 200 | |
| 531713 | Filters | 154 | 200 | 200 | 200 | |
| 531714 | Fuel | 756 | 3,000 | 1,500 | 1,500 | |
| 531715 | Lubricates | 4,528 | 7,000 | 5,000 | 6,000 | |
| 531716 | Parts | 3,718 | 1,500 | 1,500 | 1,500 | |
| 531717 | Tires | 0 | 500 | 500 | 500 | |
| 531718 | Labor | 125 | 500 | 500 | 500 | |
| 531719 | Subcontracts | 202 | | | | |
| 531739 | Repairs Other | 0 | | | | |
| 531800 | Signal Equipment | 1,050 | 3,500 | 2,500 | 3,500 | |
| 531811 | Radios | 0 | 500 | 500 | 500 | |
| 531812 | Telemetry | 1,050 | 3,000 | 2,000 | 3,000 | |
| 532100 | Building | 898 | 9,000 | 9,000 | 9,000 | |
| 532111 | Heating & Cooling | 698 | 4,500 | 4,500 | 4,500 | |
| 532112 | Other Building | 200 | 3,000 | 3,000 | 3,000 | |
| 532113 | Grounds & Parking Lots | 0 | 1,500 | 1,500 | 1,500 | |
| 533100 | Water Treatment Equip | 49,379 | 112,000 | 85,000 | 112,000 | |
| 533111 | Intake | 1,130 | 22,000 | 15,000 | 22,000 | |
| 533112 | Plant | 47,004 | 70,000 | 60,000 | 70,000 | |

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

| | | <i>Actual</i> <i>17-18</i> | <i>Budget</i> <i>18-19</i> | <i>Revised</i> <i>18-19</i> | <i>Budget</i> <i>19-20</i> | |
|--------------|--------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|----------------|
| 533113 | Booster Stations | 1,245 | 20,000 | 10,000 | 20,000 | |
| 533200 | Water Transmission Mains | 21,470 | 29,000 | 29,000 | 29,000 | |
| 533211 | Raw Water Mains | 3,924 | 4,000 | 4,000 | 4,000 | |
| 533212 | Treated Water Mains | 3,250 | 5,000 | 5,000 | 5,000 | |
| 533213 | Member Cities Mains | 14,296 | 20,000 | 20,000 | 20,000 | |
| 533500 | Fire Hydrants | 0 | 0 | 0 | 0 | |
| 533511 | Fire Hydrants | | | | | |
| 533512 | Fire Hydrants-LTWSC | | | | | |
| 533600 | Tanks & Reservoirs | 19,528 | 30,000 | 30,000 | 30,000 | |
| 533611 | MC Tanks & Reservoirs | 4,004 | 15,000 | 15,000 | 15,000 | |
| 533612 | Other Tanks & Reserv | 15,524 | 15,000 | 15,000 | 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) | (5,451) | (4,770) | (4,770) | |
| TOTAL | | 111,879 | 216,749 | 180,230 | 214,930 | - 0.84% |

CONTRACTUAL SERVICES

| | | | | | |
|--------|-----------------------|--------|--------|--------|--------|
| 541111 | Accounting & Audit | 5,270 | 5,692 | 5,692 | 5,700 |
| 541311 | Communications | 10,917 | 11,000 | 8,500 | 11,000 |
| 541700 | Rentals | 198 | 4,000 | 4,000 | 4,000 |
| 541711 | Equipment Rental | 198 | 4,000 | 4,000 | 4,000 |
| 541712 | Building Rental | | | | |
| 541900 | Fees and Permits | 54,097 | 52,500 | 51,737 | 52,000 |
| 541911 | Water System Serv Fee | 51,737 | 52,000 | 51,737 | 52,000 |
| 541912 | Water System Permits | 0 | 500 | 0 | 0 |
| 541919 | Other Fees & Permits | 0 | 0 | 0 | 0 |
| 541931 | Fines & Penalties | 2,360 | | 0 | |
| 542411 | Freight Charges | | | | |
| 543111 | Refuse Hauling | 2,122 | 2,115 | 1,930 | 2,100 |
| 543400 | Insurance | 44,278 | 44,472 | 44,434 | 45,000 |
| 543411 | Property Insurance | 36,306 | 36,325 | 35,470 | 36,000 |
| 543412 | Liability Insurance | 4,009 | 4,147 | 4,453 | 4,475 |
| 543413 | Automotive Insurance | 3,963 | 4,000 | 4,511 | 4,525 |
| 543600 | Laboratory Services | 10,678 | 14,800 | 13,755 | 14,775 |
| 543611 | State Lab Fees | 755 | 800 | 755 | 775 |
| 543612 | Commercial Lab Fees | 9,923 | 13,000 | 13,000 | 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 | 9,019 | 12,699 | 12,611 | 12,616 |
| 544111 | Computer | | | | |
| 544112 | Software | 3,908 | 7,500 | 7,500 | 7,500 |
| 544113 | Internet Service | 1,675 | 1,836 | 1,675 | 1,680 |
| 544119 | Other Maint Contract | 3,436 | 3,363 | 3,436 | 3,436 |

TEXARKANA WATER UTILITIES

WRIGHT PATMAN WATER TREATMENT PLANT- 410

| | | <i>Actual</i> <i>17-18</i> | <i>Budget</i> <i>18-19</i> | <i>Revised</i> <i>18-19</i> | <i>Budget</i> <i>19-20</i> | |
|--------------|------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|----------------|
| 544900 | Postage | 1,370 | 2,125 | 1,625 | 1,625 | |
| 544911 | Postage | 1 | 125 | 125 | 125 | |
| 544912 | Special Delivery | 1,369 | 2,000 | 1,500 | 1,500 | |
| 545200 | Power Purchases | 371,441 | 290,303 | 368,500 | 359,550 | + 23.85% |
| 545211 | Electrical | 365,942 | 280,000 | 360,000 | 351,000 | |
| 545212 | Gas | 5,499 | 10,303 | 8,500 | 8,550 | |
| 545511 | Power Purchases - Lake | 273,990 | 245,000 | 245,000 | 245,000 | |
| 545700 | Special Services | 218 | 1,700 | 700 | 1,700 | |
| 545711 | One Call Services | | | | | |
| 545712 | Pest Control | | 200 | 200 | 200 | |
| 545719 | Other Special Services | 218 | 1,500 | 500 | 1,500 | |
| 546311 | Water Rights | 613 | 613 | 613 | 613 | |
| TOTAL | | 784,211 | 687,019 | 759,097 | 755,679 | + 9.99% |

CAPITAL OUTLAY

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

| | | | | | |
|---------------------|------------------|------------------|------------------|------------------|----------------|
| TOTAL BUDGET | 3,155,879 | 3,299,553 | 3,327,933 | 3,449,792 | + 4.55% |
|---------------------|------------------|------------------|------------------|------------------|----------------|

100% Texas

3,449,792

| 17-18 Actual Exp not included on budget sheet above: | |
|-------------------------------------------------------------|------------------|
| Pay Out - Annual Leave | 3,654 |
| Pay Out - Post Ret Ins | 296 |
| Pay Out - Sick Leave | 1,891 |
| Pay Out - Comp Time | 0 |
| Accrued Payroll | (2,667) |
| Accrued Vacation and Sick | 15,560 |
| Accrued Temporary Labor | 90 |
| Accrued Consumable Items | 8 |
| Accrued Chemicals | (1) |
| Accrued Power Purchases- Plant | 5,134 |
| Accrued Power Purchases- Lake | 22,378 |
| | <u>46,344</u> |
| Reconciliation: | |
| Total Actual Exp Above for 17-18 | 3,155,879 |
| Additional Expenses for 17-18 | <u>46,344</u> |
| | 3,202,223 |
| Balance on 2018 True Up Detail (pg 27) | <u>3,202,221</u> |
| Difference (Rounding) | 2 |

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

| | <i>Actual 17-18</i> | <i>Budget 18-19</i> | <i>Revised 18-19</i> | <i>Budget 19-20</i> |
|-----------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| EXPENDITURES | | | | |
| Personal Services | 295,435 | 334,041 | 318,218 | 377,807 |
| Supplies | 251,423 | 254,275 | 271,575 | 272,575 |
| Repairs & Maintenance | 87,873 | 95,425 | 107,450 | 108,450 |
| Contractual Services | 656,608 | 710,262 | 696,089 | 714,045 |
| Capital Outlay | 0 | 0 | 0 | 0 |
| TOTAL | 1,291,339 | 1,394,003 | 1,393,332 | 1,472,877 |

FY 20
to
FY 19
Change

PERSONAL SERVICES

| | | | | | | |
|--------------|-----------------------------|----------------|----------------|----------------|----------------|-----------------|
| 511200 | Supervision | 46,024 | 55,692 | 46,767 | 55,692 | |
| 511111 | Management-Regular | 23,367 | 24,387 | 24,387 | 24,387 | |
| 511113 | Management-Incentive | 1,838 | 1,838 | 1,838 | 1,838 | |
| 511211 | Supervision-Regular | 20,818 | 28,967 | 20,292 | 28,967 | |
| 511212 | Supervision-Overtime | 1 | 500 | 250 | 500 | |
| 511214 | Supervision-Standby | 0 | 0 | 0 | 0 | |
| 511411 | Maintenance & Oper | 140,542 | 173,255 | 171,038 | 204,614 | + 18.10% |
| 511412 | Overtime | 21,424 | 5,000 | 7,500 | 5,000 | |
| 511415 | Shift Differential | 92 | 500 | 500 | 500 | |
| 511523 | Payout- Comp Time | 0 | 0 | 0 | 0 | |
| 511611 | Temporary Labor | 0 | 0 | 0 | 0 | |
| 511811 | Stipend | 0 | 0 | 0 | 0 | |
| 512111 | Longevity | 4,389 | 4,260 | 4,890 | 4,440 | |
| 512112 | Group Insurance | 29,293 | 31,332 | 24,258 | 33,860 | |
| 512114 | Retirement | 35,129 | 38,833 | 37,073 | 43,729 | |
| 512115 | Social Security | 15,650 | 18,315 | 17,648 | 20,768 | |
| 512116 | Workmen's Comp | 1,596 | 1,807 | 1,959 | 2,654 | |
| 512118 | Employee Screening | 0 | 47 | 85 | 50 | |
| 512121 | Incentive | 0 | 0 | 0 | 0 | |
| 512100 | Education & Training | 1,296 | 5,000 | 6,500 | 6,500 | |
| 512122 | Training-Seminars & Other | 0 | | 0 | 0 | |
| 512123 | Training-Licenses & Certifi | 485 | 2,000 | 3,000 | 3,000 | |
| 512124 | Travel | 385 | 2,000 | 2,000 | 2,000 | |
| 512125 | Books & Subscriptions | | | | | |
| 512126 | Dues | 280 | 500 | 1,000 | 1,000 | |
| 512127 | Licenses | 146 | 500 | 500 | 500 | |
| 512128 | Awards & Certificates | | | | | |
| 519999 | Salary & Benefit Transfer | 0 | 0 | 0 | 0 | |
| TOTAL | | 295,435 | 334,041 | 318,218 | 377,807 | + 13.10% |

SUPPLIES

| | | | | | |
|--------|---------------------|-----|-----|-----|-----|
| 521100 | Office Supplies | 486 | 425 | 425 | 425 |
| 521111 | Paper | 11 | 50 | 50 | 50 |
| 521112 | Writing Instruments | 0 | 25 | 25 | 25 |
| 521113 | Computer Supplies | 19 | 200 | 200 | 200 |

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

| | | <i>Actual</i> 17-18 | <i>Budget</i> 18-19 | <i>Revised</i> 18-19 | <i>Budget</i> 19-20 | |
|--------|------------------------|------------------------|------------------------|-------------------------|------------------------|----------|
| 521114 | Other | 456 | 150 | 150 | 150 | |
| 521115 | Minor Software Lic | 0 | 0 | 0 | 0 | |
| 521200 | Operating Supplies | 1,720 | 2,500 | 2,500 | 2,500 | |
| 521211 | Consumable Items | 1,673 | 2,000 | 2,000 | 2,000 | |
| 521212 | Non Consumable Items | 47 | 500 | 500 | 500 | |
| 521311 | Botanical Supplies | 0 | 0 | 0 | 0 | |
| 521400 | Safety | 9,341 | 6,500 | 8,300 | 8,800 | |
| 521411 | Personal Protect Equip | 224 | 1,000 | 1,000 | 1,000 | |
| 521413 | Emergency Response Eq | 268 | 0 | 300 | 300 | |
| 521415 | Facilities Maintenance | 8,849 | 5,000 | 7,000 | 7,000 | |
| 521417 | Laboratory & Environ | | | | | |
| 521418 | Storage & Handling | | | | | |
| 521419 | Grounds Maintenance | 0 | 500 | 0 | 500 | |
| 521700 | Minor Tools | 1,642 | 2,000 | 1,500 | 1,500 | |
| 521711 | Electronic Tools | | | | | |
| 521712 | Hand Tools | 861 | 1,000 | 1,000 | 1,000 | |
| 521713 | Power Tools | 781 | 1,000 | 500 | 500 | |
| 521900 | Wearing Apparel | 1,086 | 2,050 | 2,050 | 2,050 | |
| 521911 | Uniform Cost | | | | | |
| 521912 | Uniform Maintenance | 1,086 | 2,000 | 2,000 | 2,000 | |
| 521913 | All Weather Gear | 0 | 50 | 50 | 50 | |
| 521919 | Other Wearing Apparel | | | | | |
| 522300 | Laundry & Janitorial | 900 | 2,400 | 1,400 | 1,900 | |
| 522311 | Laundry Service | | | | | |
| 522312 | Janitorial Service | 641 | 2,000 | 1,000 | 1,500 | |
| 522313 | Laundry & Jan Supplies | 259 | 400 | 400 | 400 | |
| 522500 | Lab & Photo Supplies | 1,914 | 4,000 | 5,000 | 5,000 | |
| 522511 | Lab Supplies | 308 | 1,000 | 2,000 | 2,000 | |
| 522512 | Lab Chemicals | 1,606 | 2,000 | 2,000 | 2,000 | |
| 522513 | Lab Equipment Repairs | | 1,000 | 1,000 | 1,000 | |
| 522521 | Photo Supplies & Exp | | | | | |
| 522700 | Printing | 285 | 400 | 400 | 400 | |
| 522711 | Stationery | | | | | |
| 522712 | Billing Forms | | | | | |
| 522713 | Other Forms | | | | | |
| 522719 | Other | 285 | 400 | 400 | 400 | |
| 522800 | Chemicals - Plant | 234,049 | 234,000 | 250,000 | 250,000 | |
| 522811 | Activated Carbon | | | | | |
| 522812 | Anhydrous Ammonia | 11,423 | 15,000 | 15,000 | 15,000 | |
| 522813 | Calcium Hypochlorinate | | | | | |
| 522815 | Caustic Soda | 111,952 | 84,000 | 100,000 | 100,000 | + 19.05% |
| 522816 | Chlorine | 18,156 | 25,000 | 25,000 | 25,000 | |
| 522817 | Copper Sulphate | | | | | |
| 522819 | Hydrated Lime | 4,208 | 0 | 0 | 0 | |
| 522821 | Liquid Alum | 79,479 | 80,000 | 80,000 | 80,000 | |

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

| | | <i>Actual 17-18</i> | <i>Budget 18-19</i> | <i>Revised 18-19</i> | <i>Budget 19-20</i> | |
|--------------|------------------------|-------------------------|-------------------------|--------------------------|-------------------------|----------------|
| 522822 | Polymer | | | | | |
| 522823 | Potassium Permanganate | | | | | |
| 522824 | Sodium Chlorite | | | | | |
| 522826 | Zinc Ortho Phosphate | 8,831 | 20,000 | 20,000 | 20,000 | |
| 522839 | Other Chemicals | 0 | 10,000 | 10,000 | 10,000 | |
| 522914 | Chemicals-Carbon | | | | | |
| TOTAL | | 251,423 | 254,275 | 271,575 | 272,575 | + 7.20% |

REPAIRS & MAINTENANCE

| | | | | | | |
|--------|--------------------------|--------|--------|--------|--------|--|
| 531111 | Office Machines & Eq | | | | | |
| 531200 | Motor Vehicles | 2,547 | 3,150 | 3,175 | 3,175 | |
| 531211 | Antifreeze | 14 | 50 | 50 | 50 | |
| 531212 | Batteries | | 100 | 100 | 100 | |
| 531213 | Filters | 39 | 50 | 50 | 50 | |
| 531214 | Fuel | 2,121 | 2,000 | 2,000 | 2,000 | |
| 531215 | Lubricates | 53 | 100 | 100 | 100 | |
| 531216 | Parts | 171 | 50 | 75 | 75 | |
| 531217 | Tires | 149 | 800 | 800 | 800 | |
| 531218 | Labor | | | | | |
| 531219 | Subcontract | 0 | | | | |
| 531239 | Other | 0 | 0 | 0 | 0 | |
| 531700 | Machinery & Equip | 15,361 | 19,775 | 17,775 | 18,775 | |
| 531711 | Antifreeze | 0 | 50 | 50 | 50 | |
| 531712 | Batteries | 126 | 200 | 200 | 200 | |
| 531713 | Filters | 0 | 25 | 25 | 25 | |
| 531714 | Fuel | 9,986 | 10,000 | 10,000 | 10,000 | |
| 531715 | Lubricates | 125 | 1,500 | 500 | 500 | |
| 531716 | Parts | 3,204 | 5,000 | 4,000 | 5,000 | |
| 531717 | Tires | 79 | 500 | 500 | 500 | |
| 531718 | Labor | 1,841 | 2,500 | 2,500 | 2,500 | |
| 531719 | Subcontract | | | | | |
| 531739 | Other | | | | | |
| 531800 | Signal Equipment | 2,691 | 3,500 | 3,500 | 3,500 | |
| 531811 | Radios | | | | | |
| 531812 | Telemetry | 2,691 | 3,500 | 3,500 | 3,500 | |
| 532100 | Building | 3,481 | 5,000 | 5,000 | 5,000 | |
| 532111 | Heating & Cooling | 3,301 | 2,000 | 2,000 | 2,000 | |
| 532112 | Other Building | 180 | 3,000 | 3,000 | 3,000 | |
| 532113 | Grounds & Parking Lots | | | | | |
| 533100 | Water Treatment Equip | 56,082 | 55,000 | 65,000 | 65,000 | |
| 533111 | Intake | 0 | 15,000 | 15,000 | 15,000 | |
| 533112 | Plant | 43,339 | 30,000 | 30,000 | 30,000 | |
| 533113 | Booster Station | 12,743 | 10,000 | 20,000 | 20,000 | |
| 533200 | Water Transmission Mains | 3,783 | 5,000 | 5,000 | 5,000 | |
| 533211 | Raw Water Mains | 334 | | 0 | 0 | |

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

| | | <i>Actual 17-18</i> | <i>Budget 18-19</i> | <i>Revised 18-19</i> | <i>Budget 19-20</i> | |
|--------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-----------------|
| 533212 | Treated Water Mains | 3,449 | 5,000 | 5,000 | 5,000 | |
| 533213 | Member Cities Mains | | | | | |
| 533500 | Fire Hydrants | 0 | 0 | 0 | 0 | |
| 533511 | Fire Hydrants | | | | | |
| 533512 | Fire Hydrants-LTWSC | | | | | |
| 533600 | Tanks & Reservoirs | 3,928 | 4,000 | 8,000 | 8,000 | |
| 533611 | MC Tanks & Reservoirs | | | | | |
| 533612 | Other Tanks & Reserv | 3,928 | 4,000 | 8,000 | 8,000 | |
| 533711 | Sludge Pond Maintenance | 0 | 0 | 0 | 0 | |
| 539998 | Equipment Utilization | 0 | 0 | 0 | 0 | |
| TOTAL | | 87,873 | 95,425 | 107,450 | 108,450 | + 13.65% |

CONTRACTUAL SERVICES

| | | | | | |
|--------|--------------------------|---------|---------|---------|---------|
| 541111 | Accounting & Audit | 2,120 | 2,290 | 2,290 | 2,300 |
| 541311 | Communications | 7,832 | 9,500 | 9,000 | 9,500 |
| 541700 | Rentals | 850 | 2,000 | 2,000 | 2,000 |
| 541711 | Equipment Rental | 850 | 2,000 | 2,000 | 2,000 |
| 541712 | Building Rental | | | | |
| 541900 | Fees and Permits | 43,161 | 48,160 | 47,160 | 47,160 |
| 541911 | Water System Serv Fee | 42,241 | 45,760 | 45,760 | 45,760 |
| 541912 | Water System Permits | 0 | 400 | 400 | 400 |
| 541919 | Other Fees & Permits | 920 | 2,000 | 1,000 | 1,000 |
| 541923 | Wastewater Permit | | | | |
| 541931 | Fines & Penalties | | | | |
| 543400 | Insurance | 14,363 | 14,419 | 14,024 | 14,070 |
| 543411 | Property Insurance | 13,331 | 13,340 | 12,863 | 12,900 |
| 543412 | Liability Insurance | 647 | 689 | 764 | 770 |
| 543413 | Automotive Insurance | 385 | 390 | 397 | 400 |
| 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 | 912 | 785 | 785 | 785 |
| 544111 | Computer | | | | |
| 544112 | Software | | | | |
| 544113 | Internet Service | 912 | 785 | 785 | 785 |
| 544119 | Other Equipment | | 0 | 0 | 0 |
| 544911 | Postage | 0 | 0 | 0 | 0 |
| 544912 | Special Delivery Service | 0 | | 30 | 30 |
| 545200 | Power Purchases | 199,162 | 195,000 | 195,000 | 195,000 |
| 545211 | Electrical | 199,162 | 195,000 | 195,000 | 195,000 |
| 545212 | Gas | | | | |
| 545700 | Special Services | 15 | 700 | 300 | 700 |
| 545711 | One Call Services | | | | |
| 545712 | Pest Control | | 300 | 300 | 300 |

TEXARKANA WATER UTILITIES

MILLWOOD WATER TREATMENT PLANT- 420

| | <i>Actual 17-18</i> | <i>Budget 18-19</i> | <i>Revised 18-19</i> | <i>Budget 19-20</i> | |
|----------------------------------------------|-------------------------|-------------------------|--------------------------|-------------------------|----------------|
| 545719 Other Special Services | 15 | 400 | 0 | 400 | |
| 546311 Water Rights | 135,351 | 165,000 | 165,000 | 170,000 | |
| 546312 Water Rights-10MG | 252,750 | 271,908 | 260,000 | 272,000 | 100% AR |
| TOTAL | 656,608 | 710,262 | 696,089 | 714,045 | |
| Less: Water Rights - 10MG (100% Arkansas) | (252,750) | (271,908) | (260,000) | (272,000) | |
| | 403,858 | 438,354 | 436,089 | 442,045 | + 0.84% |

CAPITAL OUTLAY

| | | | | | |
|--------------------------------|------------------|------------------|------------------|------------------|----------------|
| 551111 Office Furn & Equipment | | | | | |
| 551114 Machinery & Equipment | | | | | |
| 551115 Communications | | | | | |
| TOTAL | 0 | 0 | 0 | 0 | |
| TOTAL BUDGET | 1,038,589 | 1,122,095 | 1,133,332 | 1,200,877 | + 7.02% |

100% Arkansas

1,200,877

| 17-18 Actual Exp not included on budget sheet above: | |
|-------------------------------------------------------------|------------------|
| Pay Out - Annual Leave | 0 |
| Pay Out - Sick Leave | 0 |
| Pay Out - Post Retirement Insurance | 7,367 |
| Accrued Payroll | 2,644 |
| Accrued Vacation and Sick | (994) |
| Accrued Water Treatment | 0 |
| Accrued Communication Exp | 0 |
| Accrued Other Building Expense | 0 |
| Accrued Power Purchases | (3,552) |
| | <u>5,465</u> |
| Reconciliation: | |
| Total Actual Exp Above for 17-18 | 1,038,589 |
| Additional Expenses for 17-18 | 5,465 |
| | <u>1,044,054</u> |
| Balance on 2018 True Up Detail (pg 27) | 1,044,054 |
| Difference (Rounding) | 1 |

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

Composting Costs:

Compost Division Budget Expenses (580):

| | |
|-------------------------|----------|
| Personal Services | 197,947 |
| Supplies | 11,965 |
| Repairs & Maintenance | 134,540 |
| Contractual Services | 17,850 |
| Capital Outlays | <u>0</u> |
| Total Division Expenses | 362,302 |

Other Labor & Benefits (530):

| | |
|-------------------------|---------------|
| Operator II (1300 Bldg) | 40,331 |
| Plant Mechanic I (1/2) | <u>16,146</u> |
| Total Other Labor | 56,477 |

| | | |
|--------------------|---|---------------|
| Benefit Percentage | X | <u>59.76%</u> |
| Total Benefit Cost | | <u>33,753</u> |

| | |
|------------------------------|---------------|
| Total Other Labor & Benefits | <u>90,230</u> |
|------------------------------|---------------|

| | |
|-------------------------------------------------|----------------|
| Total Composting & Other Labor Costs | 452,532 |
|-------------------------------------------------|----------------|

Amount Attributable to Water Treatment

Plant Sludge (TSS):

| | | |
|----------------------------------------------|------------------|------------------|
| Wright Patman Solids (Metric Tons) | 1,258.960 | |
| South Regional Influent Solids (Metric Tons) | <u>2,342.420</u> | |
| Water Treatment TSS Ratio | | <u>53.74613%</u> |

| | | |
|---------------------------------------|--|----------------|
| Total Applicable Compost Costs | | 243,218 |
|---------------------------------------|--|----------------|

Sludge Chemical Costs:

| | |
|---------------------------|------------------|
| Total Cost of Polymer | 100,700 |
| Water Treatment TSS Ratio | <u>53.74613%</u> |

| | |
|------------------------------------|---------------|
| Total Sludge Chemical Costs | 54,122 |
|------------------------------------|---------------|

Transportation Costs:

| | |
|-------------------------------------|---------|
| 200 Site Pumping Costs (Electrical) | 102,594 |
|-------------------------------------|---------|

Amount Attributable to Water Treatment Plant Waste:

| | | |
|---------------------------------------------|------------------|-----------------|
| Wright Patman Gallons Wasted (Mil Gallons) | 220.698 | |
| South Regional Influent Flows (Mil Gallons) | <u>3,721.800</u> | |
| Water Treatment Plant Volume Ratio | | <u>5.92987%</u> |

| | |
|-----------------------------------|--------------|
| Total Transportation Costs | 6,084 |
|-----------------------------------|--------------|

| | |
|--------------------------------------------------------------------------|----------------|
| Total Estimated Sludge Processing Costs Applicable to Water Plant | 303,424 |
|--------------------------------------------------------------------------|----------------|

Less Compost Sales:

| | |
|---------------------------------------------------------|------------------|
| Total Compost Sales (Estimated) | 75,720 |
| Water Treatment TSS Ratio | <u>53.74613%</u> |
| Sales Applicable to Water Treatment Plant Sludge | (40,697) |

| | |
|--------------------------------------------------------------|-----------------------|
| Net Sludge Processing Costs Applicable to Water Plant | <u>262,727</u> |
|--------------------------------------------------------------|-----------------------|

Millwood Water Treatment Plant Depreciation Fund

| | | <i>Actual FY 2018</i> | <i>Proposed FY 2019</i> | <i>Revised FY 2019</i> | <i>Proposed FY 2020</i> |
|-----------------------------------------|-----------|---------------------------|-----------------------------|----------------------------|-----------------------------|
| BEGINNING BALANCE | | 1,153,456 | 1,420,361 | 1,394,369 | 699,848 |
| REVENUE | | | | | |
| Transfer from Revenues | | 392,300 | 386,500 | 386,500 | 466,000 |
| Plans/Specs/Misc | | 250 | 0 | 667 | 0 |
| Interest Income | | 6,754 | 6,300 | 8,182 | 8,182 |
| TOTAL REVENUE | | 399,304 | 392,800 | 395,349 | 474,182 |
| TOTAL FUNDS AVAILABLE | | 1,552,760 | 1,813,161 | 1,789,718 | 1,174,030 |
| EXPENDITURES | | | | | |
| Paint Bridge Pipework | A/T131901 | 972 | 225,000 | 92,961 | |
| Storage Building | A/T131802 | | 15,000 | 0 | 20,000 |
| Replace Chlorinators | A/T131705 | 35,571 | | | |
| Replace Caustic Pumps/ Drives | A/T131708 | 4,595 | | | |
| Caustic Tank | A/T131614 | 39,488 | | | |
| Chemical Bldg, HVAC Repl | A/T131711 | 18,757 | | | |
| Sludge Pond Cleaning- 2017 | A/T131803 | | 120,000 | 160,000 | 0 |
| MW Settling Basin Repairs- 2017 | A/T131718 | 186 | | | |
| Lawn Tractor | A/T131804 | 10,961 | | | |
| Replace Valves- Filters 5 & 6 | A/T131805 | 3,865 | 385,000 | 292,909 | |
| Replace Gate Actuator | A/T131806 | 3,354 | | | |
| Repair High Service Pump | A/T131807 | 39,889 | 80,000 | 80,000 | |
| Basin Lining (1) | A/T131808 | 753 | 275,000 | 365,481 | 375,000 |
| High Service Pump Building Heat Unit | A/T131902 | | 11,500 | 4,668 | |
| Clearwell Mixer | A/T131903 | | 13,000 | 9,851 | |
| #3 High Service Ball Valve/Actuator | A/T131904 | | 75,000 | 75,000 | |
| Surface Wash Nozzle Replacement | A/T131905 | | 9,000 | 9,000 | |
| Replace Security Cameras | | | | | 7,000 |
| Replace Valves- Filters 7 & 8 | | | | | 300,000 |
| Low Service Control Panel Replacement | | | | | 75,000 |
| Repair High Service Pump/Motor/Actuator | | | | | 95,000 |
| SCADA Upgrade | | | | | 60,000 |
| Mixer Gearbox Repair | | | | | 10,000 |
| Repair Primary Disconnect | | | | | 15,000 |
| TOTAL EXPENDITURES | | 158,391 | 1,208,500 | 1,089,870 | 957,000 |
| ENDING BALANCE | | 1,394,369 | 604,661 | 699,848 | 217,030 |
| Transfers from Revenue: | | 62.75% | 62.81% | 62.81% | 63.22% |
| Arkansas Share | | 57,910 | 55,785 | 55,785 | 55,170 |
| Additional Contribution-Arkansas | | 0 | 0 | 0 | 0 |
| Arkansas Total | | 57,910 | 55,785 | 55,785 | 55,170 |
| Texas Share | | 97,890 | 94,215 | 94,215 | 94,830 |
| Additional Contribution-Texas | | 236,500 | 236,500 | 236,500 | 316,000 |
| Texas Total | | 334,390 | 330,715 | 330,715 | 410,830 |
| Total | | 392,300 | 386,500 | 386,500 | 466,000 |
| Ending Balances: | | | | | |
| Arkansas | | 851,336 | 471,101 | 507,042 | 216,156 |
| Texas | | 543,033 | 133,560 | 192,806 | 874 |
| Total | | 1,394,369 | 604,661 | 699,848 | 217,030 |

TEXARKANA WATER UTILITIES

LTWSC Capital Improvement Fund

| | <i>Actual FY 2018</i> | <i>Proposed FY 2019</i> | <i>Revised FY 2019</i> | <i>Proposed FY 2020</i> |
|------------------------------------------------------------|---------------------------|-----------------------------|----------------------------|-----------------------------|
| BEGINNING BALANCE | 850,811 | 590,538 | 594,512 | 776,393 |
| REVENUE | | | | |
| Member Cities | 77,383 | 60,801 | 60,801 | 56,932 |
| Transfers from Arkansas | 231,925 | 181,933 | 181,933 | 168,478 |
| Transfers from Texas | 313,309 | 307,266 | 307,266 | 289,590 |
| Other Transfers from Arkansas | | | | |
| Other Transfers from Texas | 59,573 | | | |
| CD Funds Transfer From TX | 0 | | 275,000 | |
| Interest Income | 6,106 | 4,490 | 13,640 | 13,700 |
| Insurance Proceeds | | | | |
| Miscellaneous | 600 | 600 | 600 | 600 |
| TOTAL REVENUE | 688,896 | 555,090 | 839,240 | 529,300 |
| TOTAL FUNDS AVAILABLE | 1,539,707 | 1,145,628 | 1,433,752 | 1,305,693 |
| EXPENDITURES | | | | |
| Lateral Filing Cabinets L121704 | 1,040 | | | |
| Filter Media Replacement L121707 | 369,118 | 0 | 196 | |
| TCEQ Item: Filter Troughs L121710 | 142,422 | 0 | 196 | |
| TCEQ Item: Basin Lining (1 Basin) L121711 | 3,100 | 160,000 | 229 | 215,000 |
| Member City Tank Aerator L121720 | 9,980 | | | |
| Replace MC Line Segment @ Hooks L121733 | 922 | 200,000 | 0 | |
| Lab/Filter Building Flooring L121737 | 9,360 | | | |
| Upgrade SCADA System L121801 | 5,186 | 0 | 8,978 | |
| TCEQ Basin Gates and Weirs (Flow Distr Design) L121805 | 11,250 | 50,000 | 50,000 | |
| Replace 2nd Ammonia Pipe Stinger L121806 | | 8,500 | 4,746 | |
| High Service #5 Pump Bowl L121807 | | 65,000 | 0 | |
| 1/2 Ton Crew Truck L121810 | 28,434 | | | |
| Filter Effluent Valve Position/Filter Head Gauges L121811 | 42,651 | | | |
| Chlorine Dioxide Scales L121812 | 11,792 | | | |
| Raw Water Valve Actuator L121813 | 16,280 | | | |
| Filter Effluent Valve and Mag Meter L121814 | | 0 | 29,995 | |
| High Service Pump/Motor Repair L121815 | | 90,000 | 0 | 90,000 |
| Filter Control for #3, #5, #6 & #7 Filters L121816 | 18,394 | | | |
| Settled Water Mixing Chamber L121817 | | 30,000 | 30,000 | |
| Rate of Flow Venturies for 4 Filter Effluent Lines L121901 | | 49,000 | 16,423 | 49,000 |
| #2 Influent Valve/Actuator L121902 | | 16,000 | 14,458 | 17,000 |
| East Alum Pump Replacement L121903 | | 4,500 | 4,205 | |
| #1 Intake Pump/Gate & Ball Valves/Actuator, Piping L121904 | | 59,500 | 59,500 | |
| East Basin Sludge Rakes L121905 | | 48,000 | 44,433 | |
| Chlorine Dioxide Enclosure/Leak Detection L121906 | | 20,000 | 20,000 | |
| Pump and Motor Rebuild L121907 | | 80,000 | 80,000 | 80,000 |
| Surface Wash Arms/Bearings/Nozzle L121908 | | 49,000 | 49,000 | |
| Replace Pump Room Flooring L121909 | | 16,000 | 0 | 16,000 |
| Filter Troughs PH II L121915 | 266 | 200,000 | 200,000 | |
| Low Service Pump #4 VFD- Emergency Replacemnt L121917 | | 0 | 45,000 | |
| CD Principal Transferred to TX Revenue Fund | 275,000 | | | |
| PC Replacements (6) & iPads (2) | | | | 8,200 |
| Replace Security Cameras | | | | 7,000 |
| MCC Control Panel Replacement in Lime Bldg | | | | 373,000 |
| Repair Parking Lot | | | | 75,000 |
| Low Service Power Upgrade | | | | 30,000 |
| New Boston Transfer Switch | | | | 10,000 |

TEXARKANA WATER UTILITIES

LTWSC Capital Improvement Fund

| | <i>Actual FY 2018</i> | <i>Proposed FY 2019</i> | <i>Revised FY 2019</i> | <i>Proposed FY 2020</i> |
|----------------------------------|---------------------------|-----------------------------|----------------------------|-----------------------------|
| TCEQ-Clearwell Top Cleaning | | | | 6,000 |
| SCADA Upgrades-Patman | | | | 50,000 |
| SCADA Upgrades-All Sites | | | | 45,000 |
| Replace Ferris Mower | | | | 15,000 |
| Replace Side-by-Side (ROW Maint) | | | | 15,000 |
| Replace 1/2 Ton Truck | | | | 30,000 |
| I-30 Valve | | | | 60,000 |
| Replace Basin Tower and Rakes | | | | 48,000 |
| TOTAL EXPENDITURES | 945,195 | 1,145,500 | 657,359 | 1,239,200 |
| ENDING BALANCE | 594,512 | 128 | 776,393 | 66,493 |

**TREATED WATER BY PLANT (000's)
FYE 9/30/19**

| | <u>Wright Patman</u> | <u>Millwood</u> | <u>Total</u> | |
|------------------------------------------|----------------------|------------------|------------------|-----------------------|
| JUL 2018 | 438,476 | 145,592 | 584,068 | |
| AUG 2018 | 369,998 | 182,271 | 552,269 | |
| SEP 2018 | 285,437 | 200,370 | 485,807 | |
| OCT 2018 | 337,824 | 121,393 | 459,217 | |
| NOV 2018 | 389,706 | 14,598 | 404,304 | |
| DEC 2018 | 400,893 | - | 400,893 | |
| JAN 2019 | 334,795 | 76,189 | 410,984 | |
| FEB 2019 | 280,713 | 76,552 | 357,265 | |
| MAR 2019 | 396,961 | - | 396,961 | |
| APR 2019 | 374,191 | 20,835 | 395,026 | |
| MAY 2019 | 296,738 | 152,407 | 449,145 | |
| JUN 2019 | 210,616 | 262,091 | 472,707 | |
| | <hr/> | <hr/> | <hr/> | |
| Total Gallons-Prior 12 Mos. | <u>4,116,348</u> | <u>1,252,298</u> | <u>5,368,646</u> | <u>MW %</u> 23.33% |
| Projected FY19 Ending Plant Usage | 3,995,723 | 1,372,923 | 5,368,646 | 25.57% |
| FY16-FY18 Average Actual Usage | | | 5,563,734 | |
| FY20 Est. Adjusted to 3 Year Ave. | 4,140,921 | 1,422,813 | 5,563,734 | |
| <u>Millwood Plant Usage:</u> | | | | |
| Revised Estimated FY19 | 25.57% | | | |
| Estimated FY19 | 32.46% | | | |
| FY18 Actual | 24.52% | | | |
| FY17 Actual | 29.61% | | | |
| FY16 Actual | 41.00% | | | |

FY19 Estimated Consumption (1000 Gallons)
Oct 2018- Jun 2019 (with Jul- Sept 2019 Estimated)

| | OCT/ APR | NOV/ MAY | DEC/ JUN | JAN/ JUL | FEB/ AUG | MAR/ SEP | YTD | % OF TOTAL | FY17 Actual | FY18 Actual | 3 Yr Actual Average |
|--------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|----------------|----------------|---------------------------|
| Oak Grove, TX | 1926.690 | 1869.490 | 1773.790 | 2192.980 | 1560.350 | 1783.010 | 24576.400 | 0.4578% | 24243.710 | 25450.450 | 25072.180 |
| Redwater, TX | 8919.250 | 8097.250 | 8416.250 | 8646.150 | 7222.100 | 7219.450 | 113277.200 | 2.1100% | 109444.360 | 138315.500 | 124900.987 |
| Central Bowie County | 26804.510 | 23460.010 | 24138.700 | 22363.070 | 17380.530 | 16612.690 | 244920.670 | 4.5621% | 223601.430 | 246899.193 | 231600.498 |
| Nash, TX | 8420.000 | 6579.000 | 7299.000 | 6890.000 | 6034.000 | 6167.000 | 89874.000 | 1.6741% | 93063.000 | 98893.000 | 94672.667 |
| Macedonia E/Mau | 14735.436 | 13979.138 | 14111.924 | 14094.717 | 12545.058 | 13065.618 | 171333.206 | 3.1914% | 166657.558 | 174780.333 | 174029.284 |
| Red River County | 0.000 | 5.770 | 0.300 | 0.000 | 0.500 | 107.540 | 1417.160 | 0.0284% | 29531.160 | 3244.940 | 17651.527 |
| Day & Zimmerman | 1830.000 | 950.000 | 930.000 | 2220.000 | 1230.000 | 491.000 | 9765.000 | 0.1819% | 11306.400 | 8621.700 | 9230.700 |
| Leary, TX | 1495.880 | 1533.430 | 1463.670 | 1579.690 | 1378.930 | 1634.640 | 20039.990 | 0.3733% | 17281.710 | 17004.120 | 17403.390 |
| Mandeville, AR | 1643.790 | 1929.350 | 1904.771 | 2116.039 | 1622.888 | 2274.527 | 26739.678 | 0.4981% | 33282.096 | 28169.904 | 29417.129 |
| Union Water | 7541.705 | 7560.032 | 7185.238 | 8444.515 | 7201.954 | 7716.432 | 101615.543 | 1.8928% | 101358.650 | 106428.892 | 99998.105 |
| MCPWA | 5035.000 | 5030.000 | 4495.000 | 4670.000 | 4050.000 | 4920.000 | 56820.000 | 1.0584% | 36010.000 | 55555.000 | 42410.000 |
| RWRD-TAC East | 2436.349 | 2166.522 | 567.480 | 358.660 | 2267.970 | 1597.900 | 20453.824 | 0.3810% | 0.000 | 21640.828 | 7213.609 |
| Total Wholesale | 80788.610 | 73159.992 | 72288.123 | 73575.821 | 62494.280 | 63589.807 | 890832.671 | | | | |
| New Boston, TX | 29705.360 | 28664.440 | 26965.370 | 27687.090 | 24480.090 | 24364.920 | 341121.250 | 6.3540% | 364592.168 | 414678.987 | 385448.376 |
| Hooks, TX | 12776.100 | 11968.250 | 13189.270 | 13954.460 | 12374.024 | 13322.796 | 161644.900 | 3.0109% | 173325.000 | 163383.400 | 164135.867 |
| DeKalb, TX | 6053.000 | 5193.000 | 5311.000 | 6522.000 | 5532.000 | 5477.000 | 70932.000 | 1.3212% | 73063.000 | 69956.000 | 73691.000 |
| Wake Village, TX | 13271.000 | 11635.000 | 11919.000 | 11779.000 | 10137.000 | 10056.000 | 156097.000 | 2.9076% | 168670.000 | 167805.000 | 165327.667 |
| Maud, TX | 6277.000 | 2915.000 | 2935.000 | 3034.000 | 2735.000 | 3178.000 | 45747.000 | 0.8521% | 42719.000 | 49541.000 | 44914.000 |
| Avery, TX | 1440.500 | 1479.500 | 1659.300 | 1349.700 | 1098.700 | 1137.400 | 17376.200 | 0.3237% | 19373.900 | 22548.000 | 20638.900 |
| Ammona, TX | 660.233 | 613.117 | 666.216 | 588.251 | 693.947 | 718.887 | 8312.708 | 0.1548% | 8732.595 | 7383.722 | 8546.416 |
| RWRD | 16700.781 | 14122.718 | 16040.230 | 17620.290 | 17678.849 | 18425.555 | 221134.101 | 4.1190% | 318769.190 | 271949.539 | 308270.383 |
| Total Member Cities & RWRD | 86883.974 | 76592.025 | 78685.386 | 82534.791 | 74729.610 | 76680.558 | 1022365.159 | | | | |
| Total Wholesale, Member Cities & RWRD | 167672.584 | 149752.017 | 150971.509 | 156110.612 | 137223.890 | 140270.365 | 1903197.830 | | | | |
| Texarkana, AR | 105534.847 | 88231.270 | 93061.278 | 94396.273 | 86857.604 | 99286.357 | 1290051.071 | 24.0294% | 1345731.844 | 1248611.151 | 1312071.443 |

**FY19 Estimated Consumption (1000 Gallons)
Oct 2018 - Jun 2019 (with Jul- Sept 2019 Estimated)**

| | Estimated based on July- Sept 2018 | | | | | | | | | | | | YTD | % OF TOTAL | FY16 Actual | FY17 Actual | FY18 Actual | 3 Yr Actual Average |
|------------------------|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------|-----------|-------------|-------------|-------------|-------------|-----|------------|-------------|-------------|-------------|---------------------|
| | OCT/ APR | NOV/ MAY | DEC/ JUN | JAN/ JUL | FEB/ AUG | MAR/ SEP | | | | | | | | | | | | |
| Texarkana, TX | 186009.569 145012.355 | 166320.713 189853.564 | 156860.213 188574.024 | 160477.115 254314.736 | 133183.506 236287.484 | 157404.278 201099.542 | 2175397.099 | 40.5204% | 2260429.119 | 2092906.487 | 2268466.516 | 2206600.707 | | | | | | |
| Total Texarkana | 291544.416 239415.671 | 254551.983 301076.606 | 249921.491 309653.230 | 254873.388 393985.794 | 220041.110 375237.789 | 256690.635 318456.057 | 3465448.170 | | 5623144.000 | 5389992.000 | 5678067.000 | 5563734.333 | | | | | | |
| Total All | 459217.000 395026.000 | 404304.000 449145.000 | 400893.000 472707.000 | 410984.000 584068.000 | 357265.000 552269.000 | 396961.000 485807.000 | 5368646.000 | 100.0004% | | | | | | | | | | |

City of Texarkana, Texas
Proposed Water Production Rate By Plant
9/30/2020

| | <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 | 1,460,373 | | 1,460,373 | 377,807 | | 377,807 | 1,838,180 |
| Supplies | 1,018,810 | | 1,018,810 | 272,575 | | 272,575 | 1,291,385 |
| Repairs & Maintenance | 214,930 | | 214,930 | 108,450 | | 108,450 | 323,380 |
| Contractual Services | 755,679 | | 755,679 | 442,045 | | 442,045 | 1,197,724 |
| Subtotal | 3,449,792 | - | 3,449,792 | 1,200,877 | - | 1,200,877 | 4,650,669 |
| Sludge Costs | | 243,218 | 243,218 | | - | - | 243,218 |
| Sludge Chemical/Transp Cost | | 60,206 | 60,206 | | - | - | 60,206 |
| Composting Revenue | - | (40,697) | (40,697) | - | - | - | (40,697) |
| Subtotal | - | 262,727 | 262,727 | - | - | - | 262,727 |
| Administration Costs 6.32% | 218,027 | 16,604 | 234,631 | 75,895 | - | 75,895 | 310,527 |
| Total Water Production Cost | 3,667,819 | 279,331 | 3,947,150 | 1,276,772 | - | 1,276,772 | 5,223,923 |
| Estimated Gallons By Plant | | | 4,140,921 | | | 1,422,813 | 5,563,734 |
| Estimated Cost Per 1,000 Gal | | | 0.9532 | | | 0.8974 | 0.9389 |
| | | | LWP | | | MW | Total |
| | | | <i>Prior Year</i> | | | | |
| | | | 0.9877 | | | 0.7195 | 0.9006 |

City of Texarkana, Texas
Proposed Water Production Rate
9/30/2020

| Water Production (both lakes) | Amount As Budgeted 2020 | |
|------------------------------------------|----------------------------------------|------------------------------------------------------------------|
| Total Gallons | 5,563,734 | (in thousands) |
| * Total Cost | 5,223,923 | |
| Water Rate | 0.9389 | (per thousand) 4.26% Increase |
| <i>Prior Year Water Rate</i> | <i>0.9006</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 \$0.00 for Millwood
- 4) Administrative Overhead - **6.32%** of the sum of 1, 2 and 3 as listed above

City of Texarkana, Texas

Proposed Water Production Rate By City

9/30/2020

| Water Rate Calculation | | | | | |
|------------------------|------------------------------------------------------------|----------------------------------------------------------|---------------------------|-----------------------------------|---------|
| ANNUAL | | | MONTHLY | | |
| | <i>(in thousands)</i> | | | <i>(in thousands)</i> | |
| | 2020 Budgeted Gallons as Estimated by the Water Department | Budgeted Cost Total as Estimated by the Water Department | Estimated 2020 Water Rate | Monthly Billing - Water Cost Only | |
| | | | | Monthly Gallons | |
| New Boston | 385,449 | 361,907 | 0.9389 | 30,159 | 32,121 |
| Hooks | 164,136 | 154,111 | 0.9389 | 12,843 | 13,678 |
| Dekalb | 73,691 | 69,190 | 0.9389 | 5,766 | 6,141 |
| Wake Village | 165,328 | 155,230 | 0.9389 | 12,936 | 13,777 |
| Maud | 44,914 | 42,171 | 0.9389 | 3,514 | 3,743 |
| Avery | 20,639 | 19,378 | 0.9389 | 1,615 | 1,720 |
| Annona | 8,546 | 8,024 | 0.9389 | 669 | 712 |
| Total | 862,703 | 810,012 | 0.9389 | 67,501 | 71,891 |
| Texarkana, AR | 1,483,897 | 1,393,266 | 0.9389 | 116,105 | 123,658 |
| Texarkana, TX | 2,908,864 | 2,731,202 | 0.9389 | 227,600 | 242,405 |
| RWRD | 308,270 | 289,442 | 0.9389 | 24,120 | 25,689 |
| Total | 4,701,032 | 4,413,910 | 0.9389 | 367,826 | 391,753 |
| Total All Cities | 5,563,734 | 5,223,923 | 0.9389 | 435,327 | 463,644 |

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
9/30/2020

| Member Cities | Original Ownership % | Revised Ownership % | Annual | Monthly |
|----------------------------|---------------------------------|--------------------------------|-------------------|------------------|
| New Boston | 3.572227% | 3.572227% | 18,396.97 | 1,533.08 |
| Hooks | 2.275268% | 2.275268% | 11,717.63 | 976.47 |
| DeKalb | 2.143895% | 2.143895% | 11,041.06 | 920.09 |
| Wake Village | 1.632379% | 1.632379% | 8,406.75 | 700.56 |
| Maud | 1.123658% | 1.123658% | 5,786.84 | 482.24 |
| * Avery | 0.419275% | | | |
| Annona | 0.307469% | 0.307469% | 1,583.47 | 131.96 |
| Total Member Cities | 11.474171% | 11.054896% | 56,932.72 | 4,744.40 |
| Texarkana | | | | |
| ** Texarkana, AR | 32.792567% | 32.792567% | 168,477.15 | 14,039.76 |
| ** Texarkana, TX | 55.733262% | 56.152537% | 289,590.13 | 24,132.51 |
| Total Texarkana | 88.525829% | 88.945104% | 458,067.28 | 38,172.27 |
| Grand Total | 100.000000% | 100.000000% | 515,000.00 | 42,916.67 |

Contribution Required for 2020 projects in the LTWSC Capital Improvement Fund = \$515,000

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

**Texarkana portion allocated betw AR/TX based upon their FY20 Ratio of 36.78/63.22

**City of Texarkana, Texas
Proposed Debt Service Rate
Highway 82 Widening Project
9/30/2020**

| Member Cities | Original Ownership % | Revised Ownership % | Allocation of Tex, AR Ownership % to | | Monthly |
|----------------------------|-------------------------|------------------------|-----------------------------------------|-------------------|------------------|
| | | | Participating Cities | Annual | |
| New Boston | 3.572227% | 3.572227% | 5.315226% | 8,822.96 | 735.25 |
| Hooks | 2.275268% | 2.275268% | 3.385441% | 5,619.63 | 468.30 |
| DeKalb | 2.143895% | 2.143895% | 3.189967% | 5,295.15 | 441.26 |
| Wake Village | 1.632379% | 1.632379% | 2.428867% | 4,031.77 | 335.98 |
| Maud | 1.123658% | 1.123658% | 1.671925% | 2,775.30 | 231.28 |
| ### Avery | 0.419275% | | | | |
| Annona | 0.307469% | 0.307469% | 0.457493% | 759.41 | 63.28 |
| Total Member Cities | 11.474171% | 11.054896% | 16.448919% | 27,304.22 | 2,275.35 |
| Texarkana | | | | | |
| *** Texarkana, AR | 32.792567% | | | | |
| Texarkana, TX | 55.733262% | 56.152537% | 83.551081% | 138,689.78 | 11,557.48 |
| Total Texarkana | 88.525829% | 56.152537% | 83.551081% | 138,689.78 | 11,557.48 |
| Grand Total | 100.000000% | 67.207433% | 100.000000% | 165,994.00 | 13,832.83 |

Debt Service for 2020 = \$165,994

*** 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, 2018

| | Wright Patman | Millwood | Total | |
|----------------------------------------------------------------------|----------------------|----------------------|----------------------|--------------------------------------|
| Personal Services: | | | | |
| Management | 26,630 | 25,205 | 51,835 | From Audited TB for Div 410 & 420 |
| Supervision | 128,861 | 29,819 | 149,680 | |
| Maintenance & Operations | 570,086 | 140,542 | 710,628 | |
| Overtime | 84,504 | 21,424 | 105,928 | |
| Standby | 0 | 0 | 0 | |
| Shift Differential | 7,449 | 92 | 7,541 | |
| Pay Out-Annual Leave | 3,654 | 0 | 3,654 | |
| Pay Out-Sick Leave | 1,891 | 0 | 1,891 | |
| Pay Out-Camp Time | 0 | 0 | 0 | |
| Pay Out -Post Retirement Insurance | 296 | 7,367 | 7,662 | |
| Temporary Labor | 19,822 | 0 | 19,822 | |
| Accrued Payroll | (2,667) | 2,644 | (22) | |
| Longevity | 8,049 | 4,389 | 12,438 | |
| Group Insurance | 133,208 | 29,293 | 162,501 | |
| Accrued Vacation & Sick Leave | 15,560 | (994) | 14,566 | |
| Retirement | 136,373 | 35,129 | 171,502 | |
| Social Security | 60,878 | 15,650 | 76,528 | |
| Workers' Compensation | 21,050 | 1,596 | 22,646 | |
| Unemployment | 0 | 0 | 0 | |
| Employee Soreness | 128 | 0 | 128 | |
| Incentive | 0 | 0 | 0 | |
| Education & Training | 15,540 | 1,296 | 16,836 | |
| Salary & Benefit Transfers Out | (17,846) | 0 | (17,846) | |
| Total Personal Services | 1,213,466 | 304,452 | 1,517,918 | |
| Supplies: | | | | |
| Office Supplies & Expenses | 1,953 | 486 | 2,439 | |
| Operating Supplies | 6,236 | 1,720 | 7,956 | |
| Botanical Supplies | 10 | 0 | 10 | |
| Safety | 24,241 | 9,341 | 33,582 | |
| Minor Tools | 4,076 | 1,641 | 5,718 | |
| Wearing Apparel | 6,290 | 1,086 | 7,376 | |
| Laundry & Janitorial | 3,110 | 900 | 4,010 | |
| Lab & Photo Supplies | 23,198 | 1,914 | 25,112 | |
| Printing | 390 | 285 | 675 | |
| Chemicals-Plant | 966,250 | 234,050 | 1,200,299 | |
| Chemicals-Lake | 29,400 | 0 | 29,400 | |
| Total Supplies | 1,065,153 | 251,423 | 1,316,576 | |
| Repairs & Maintenance: | | | | |
| Office Machines & Equipment | 0 | 0 | 0 | |
| Motor Vehicles | 15,547 | 2,546 | 18,093 | |
| Machinery & Equipment | 9,483 | 15,361 | 24,844 | |
| Signal Equipment | 1,050 | 2,691 | 3,741 | |
| Buildings | 898 | 3,481 | 4,379 | |
| Water Treatment Equipment | 49,379 | 56,082 | 105,461 | |
| Water Transmission Mains | 21,469 | 3,783 | 25,252 | |
| Tanks & Reservoirs | 19,528 | 3,928 | 23,456 | |
| 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 | 111,878 | 87,873 | 199,751 | |
| Contractual Services: | | | | |
| Accounting & Audit | 5,270 | 2,120 | 7,390 | |
| Communications | 10,917 | 7,832 | 18,750 | |
| Rentals | 198 | 850 | 1,048 | |
| Fees & Permits | 54,097 | 43,161 | 97,257 | |
| Freight Charges | 0 | 0 | 0 | |
| Refuse Hauling | 2,122 | 0 | 2,122 | |
| Insurance | 44,278 | 14,363 | 58,641 | |
| Laboratory Services | 10,678 | 92 | 10,770 | |
| Legal Advertising | 0 | 0 | 0 | |
| Maintenance Contracts | 9,019 | 912 | 9,931 | |
| Postage | 1,370 | 0 | 1,370 | |
| Power Purchases | 376,575 | 195,610 | 572,185 | |
| Power Purchases-Lake | 296,368 | 0 | 296,368 | |
| Special Services | 218 | 15 | 233 | |
| Water Rights | 613 | 135,351 | 135,965 | |
| Total Contractual Services | 811,724 | 400,306 | 1,212,030 | |
| Rounding | 0 | 0 | 0 | |
| Subtotals | 3,203,221 | 1,044,054 | 4,246,275 | Reconciled to Audited TB |
| Sludge Processing | 268,900 | 0 | 268,900 | Sludge Actual 2018 |
| Total Operating Expenses | 3,471,121 | 1,044,054 | 4,515,175 | |
| Administrative Overhead | 219,275 | 63,984 | 283,259 | 6.32% Actual Admin |
| Total Operating Expenses With Overhead | 3,690,396 | 1,110,038 | 4,800,534 | |
| Total Gallons of Water Sold - All (Consumption Report) | 4,285,826,000 | 1,392,241,000 | 5,678,067,000 | |
| Actual Cost per 1,000 Gallons (Total Op Exp wOH / Total Gals) | 0.8610934 | 0.7973029 | 0.8454522 | |

TEXARKANA WATER UTILITIES

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

For the Year Ended September 30, 2018

Wright Patman Millwood Total
TRUE-UP ADJUSTMENT CALCULATION

| | Fiscal Year 2018 Billing | | | | | |
|--------------|--------------------------|---------------------|-------------------|--------------|----------------|-----------------|
| | 2018 Water | 2018 Infrastructure | 2018 Debt Service | 2016 True Up | FY 2018 Annual | FY 2018 Monthly |
| New Boston | 355,464 | 25,006 | 8,815 | (23,161) | 366,124 | 30,510 |
| Hooks | 143,385 | 15,927 | 5,614 | 11,156 | 176,082 | 14,674 |
| DeKalb | 63,749 | 15,007 | 5,290 | (9,048) | 74,998 | 6,250 |
| Wake Village | 144,555 | 11,427 | 4,028 | (16,039) | 143,971 | 11,998 |
| Maud | 37,254 | 7,866 | 2,773 | (9,087) | 38,806 | 3,234 |
| Avery | 20,883 | - | - | (4,646) | 16,237 | 1,353 |
| Annona | 6,919 | 2,152 | 759 | 354 | 10,184 | 849 |
| RWRD | 276,118 | - | - | 7,205 | 283,323 | 23,610 |
| | \$1,048,327 | \$77,385 | \$27,279 | (\$43,266) | \$1,109,725 | \$92,477 |

| | Fiscal Year 2018 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 | 398,750 | 355,464 | 0.891400 | 377,076 | 318,800 | 0.8454522 | (36,664) | (3,055.37) |
| Hooks | 160,845 | 143,385 | 0.891400 | 163,383 | 138,133 | 0.8454522 | (5,252) | (437.68) |
| DeKalb | 71,512 | 63,749 | 0.891400 | 78,054 | 65,991 | 0.8454522 | 2,242 | 186.83 |
| Wake Village | 162,158 | 144,555 | 0.891400 | 167,805 | 141,871 | 0.8454522 | (2,684) | (223.66) |
| Maud | 41,790 | 37,254 | 0.891500 | 49,541 | 41,885 | 0.8454522 | 4,631 | 385.88 |
| Avery | 23,426 | 20,883 | 0.891400 | 19,995 | 16,905 | 0.8454522 | (3,978) | (331.53) |
| Annona | 7,762 | 6,919 | 0.891400 | 9,523 | 8,051 | 0.8454522 | 1,132 | 94.35 |
| RWRD | 309,741 | 276,118 | 0.891400 | 271,950 | 229,920 | 0.8454522 | (46,198) | (3,849.81) |
| Total | 1,175,984 | \$1,048,327 | | 1,137,326 | \$961,555 | | (\$86,772) | (\$7,231) |

TEXARKANA WATER UTILITIES
MEMBER CITIES BILLING
WRIGHT PATMAN SLUDGE PROCESSING COST
FY 2018 ACTUAL

Composting Costs:

Compost Division Budget Expenses (580):

| | |
|-------------------------|---------|
| Personal Services | 178,350 |
| Supplies | 8,630 |
| Repairs & Maintenance | 123,369 |
| Contractual Services | 16,075 |
| Capital Outlays | 0 |
| Total Division Expenses | 326,424 |

Other Labor & Benefits (530):

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

| | | |
|--------------------|---|--------|
| Benefit Percentage | X | 55.19% |
| Total Benefit Cost | | 27,821 |

| | |
|------------------------------|--------|
| Total Other Labor & Benefits | 78,231 |
|------------------------------|--------|

Total Composting & Other Labor Costs 404,656

Amount Attributable to Water Treatment

Plant Sludge (TSS):

| | | |
|----------------------------------------------|-----------|-----------|
| Wright Patman Solids (Metric Tons) | 1,305.080 | |
| South Regional Influent Solids (Metric Tons) | 2,072.550 | |
| Water Treatment TSS Ratio | | 62.96977% |

Total Applicable Compost Costs 254,811

Sludge Chemical Costs:

| | |
|---------------------------|-----------|
| Total Cost of Polymer | 93,996 |
| Water Treatment TSS Ratio | 62.96977% |

Total Sludge Chemical Costs 59,189

Transportation Costs:

| | |
|-------------------------------------|---------|
| 200 Site Pumping Costs (Electrical) | 102,594 |
|-------------------------------------|---------|

Amount Attributable to Water Treatment Plant Waste:

| | | |
|---------------------------------------------|-----------|----------|
| Wright Patman Gallons Wasted (Mil Gallons) | 258.148 | |
| South Regional Influent Flows (Mil Gallons) | 2,915.900 | |
| Water Treatment Plant Volume Ratio | | 8.85312% |

Total Transportation Costs 9,083

Total Estimated Sludge Processing Costs Applicable to Water Plant 323,083

Less Compost Sales:

| | |
|---------------------------------------------------------|-----------------|
| Total Compost Sales | 86,046 |
| Water Treatment TSS Ratio | 62.96977% |
| Sales Applicable to Water Treatment Plant Sludge | (54,183) |

Net Sludge Processing Costs Applicable to Water Plant **268,900**

**FY18 Actual Consumption (1000 Gallons)
Oct 2017- Sep 2018**

| | OCT/ APR | NOV/ MAY | DEC/ JUN | JAN/ JUL | FEB/ AUG | MAR/ SEP | YTD | % OF TOTAL |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------|---------------|
| Oak Grove, TX | 1974.910 1994.720 | 2091.880 2465.090 | 2401.300 2489.090 | 1822.830 2396.910 | 1584.150 2030.100 | 2278.820 1920.650 | 25450.450 | 0.4482% |
| Redwater, TX | 10685.400 13288.000 | 9832.300 12439.150 | 12338.650 13801.900 | 10980.750 13125.900 | 7657.250 12943.750 | 10352.200 10870.250 | 138315.500 | 2.4360% |
| Central Bowie County | 25378.840 16324.920 | 18383.410 23840.200 | 20865.530 27836.163 | 20069.360 20962.660 | 17202.990 20039.590 | 17240.060 18755.470 | 246899.193 | 4.3483% |
| Nash, TX | 8272.000 5375.000 | 8577.000 9769.000 | 8684.000 8624.000 | 8795.000 8758.000 | 6593.000 8807.000 | 7426.000 9213.000 | 98893.000 | 1.7417% |
| Macedonia Eylau | 13609.718 12873.758 | 13622.148 18070.352 | 15484.018 19341.990 | 14675.570 17126.700 | 12712.647 12931.900 | 14763.661 15437.500 | 180649.962 | 3.1815% |
| Red River County | 0.090 0.000 | 1461.570 0.480 | 0.090 493.760 | 32.290 786.100 | 0.000 260.410 | 0.730 209.420 | 3244.940 | 0.0571% |
| Day & Zimmerman | 398.900 640.000 | 385.000 540.000 | 1646.800 1260.000 | 2030.000 370.000 | 680.000 280.000 | 630.000 370.000 | 9230.700 | 0.1626% |
| Leary, TX | 944.590 1273.900 | 1363.160 1685.060 | 1488.200 1811.720 | 1345.970 1893.620 | 1256.870 1677.820 | 1629.170 1554.260 | 17924.340 | 0.3157% |
| Mandeville, AR | 2086.577 1734.647 | 1578.501 2360.541 | 1723.539 2862.454 | 2568.910 3707.061 | 2006.133 2777.726 | 2294.849 2468.966 | 28169.904 | 0.4961% |
| Union Water | 8279.167 7020.747 | 5613.739 9207.566 | 7291.275 10254.174 | 8867.136 12471.033 | 9520.438 9935.025 | 9126.548 8842.044 | 106428.892 | 1.8744% |
| MCPWA | 3930.000 4300.000 | 3785.000 4925.000 | 4060.000 5225.000 | 3750.000 5290.000 | 3820.000 5255.000 | 6930.000 4285.000 | 55555.000 | 0.9784% |
| RWRD-TAC East | 0.000 1858.210 | 0.000 1884.087 | 0.000 2310.318 | 3783.275 2359.766 | 2824.219 2686.676 | 1682.486 2251.791 | 21640.828 | 0.3811% |
| Total Wholesale | 75560.192 66683.902 | 66993.708 87186.526 | 75983.402 96310.569 | 78721.091 89247.750 | 65857.697 79624.997 | 74354.524 76178.351 | 932402.709 | |
| New Boston, TX | 38159.060 22694.870 | 34090.370 28521.930 | 32692.140 32421.490 | 29120.120 34285.530 | 30205.740 31584.710 | 33044.863 30254.950 | 377075.773 | 6.6409% |
| Hooks, TX | 12894.800 11537.200 | 12037.600 14949.900 | 14413.300 15908.200 | 13183.200 15049.200 | 11880.100 14289.800 | 13186.100 14054.000 | 163383.400 | 2.8774% |
| DeKalb, TX | 6214.000 4384.000 | 7018.000 7188.000 | 8306.000 7662.000 | 6396.000 7194.000 | 5214.000 7026.000 | 5454.000 5998.000 | 78054.000 | 1.3747% |
| Wake Village, TX | 13711.000 10711.000 | 12521.000 16822.000 | 13420.000 17936.000 | 10621.000 17323.000 | 10990.000 16497.000 | 12106.000 15147.000 | 167805.000 | 2.9553% |
| Maud, TX | 3889.000 2923.000 | 2725.000 4041.000 | 4951.000 4403.000 | 3188.000 4435.000 | 4337.000 4917.000 | 4351.000 5381.000 | 49541.000 | 0.8725% |
| Avery, TX | 1638.500 1157.400 | 2092.400 1395.400 | 1885.200 1766.100 | 1844.900 1712.900 | 1487.100 1757.900 | 1632.500 1624.500 | 19994.800 | 0.3521% |

**FY18 Actual Consumption (1000 Gallons)
Oct 2017- Sep 2018**

| | OCT/ APR | NOV/ MAY | DEC/ JUN | JAN/ JUL | FEB/ AUG | MAR/ SEP | YTD | % OF TOTAL |
|------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-----------------|
| Annaona, TX | 886.222 | 1305.269 | 568.740 | 961.039 | 548.072 | 532.338 | 9522.930 | 0.1677% |
| | 520.255 | 746.132 | 654.091 | 1085.826 | 911.804 | 803.142 | | |
| RWRD | 36570.870 | 36118.190 | 28743.930 | 32519.570 | 23021.360 | 12297.504 | 271949.539 | 4.7895% |
| | 13933.060 | 13749.283 | 16914.772 | 19749.000 | 20422.000 | 17910.000 | | |
| Total Member Cities & RWRD | 113963.452 | 107907.829 | 104980.310 | 97833.829 | 87683.372 | 82604.305 | 1137326.442 | |
| | 67860.785 | 87413.645 | 97665.653 | 100834.456 | 97406.214 | 91172.592 | | |
| Total Wholesale, Member Cities & RWRD | 189523.644 | 174601.537 | 180963.712 | 176554.920 | 153541.069 | 156958.829 | 2069729.151 | |
| | 134544.687 | 174600.171 | 193976.222 | 190082.206 | 177031.211 | 167350.943 | | |
| Texarkana, AR | 114544.056 | 87985.196 | 80265.864 | 103058.156 | 97294.536 | 90868.722 | 1341871.333 | 23.6325% |
| | 103412.242 | 125503.883 | 142960.800 | 139671.058 | 138950.305 | 117366.515 | | |
| Texarkana, TX | 221180.300 | 168874.267 | 147664.424 | 166475.924 | 145023.395 | 160639.449 | 2266466.516 | 39.9162% |
| | 154578.071 | 193350.946 | 216977.978 | 254314.736 | 236287.484 | 201099.542 | | |
| Total Texarkana | 335724.356 | 256859.463 | 227930.288 | 269534.080 | 242317.931 | 251508.171 | 3608337.849 | |
| | 257990.313 | 318854.829 | 359938.778 | 393985.794 | 375237.789 | 318456.057 | | |
| Total All | 525248.000 | 431461.000 | 408894.000 | 446089.000 | 395659.000 | 408467.000 | 5678067.000 | 99.9999% |
| | 392535.000 | 493455.000 | 553915.000 | 584068.000 | 552269.000 | 485807.000 | | |

City of Texarkana, Texas
Proposed Water Cost Recap
9/30/2020

| | 2020 Annual Cost | | | | 2019 Annual Cost Total | Increase/ (Decrease) |
|---------------|------------------|----------------|--------------|--------------|---------------------------|-------------------------|
| | Water | Infrastructure | Debt Service | 2018 True Up | | |
| New Boston | 361,907 | 18,397 | 8,823 | (36,664) | 430,333 | (77,870) |
| Hooks | 154,111 | 11,718 | 5,620 | (5,252) | 149,754 | 16,442 |
| DeKalb | 69,190 | 11,041 | 5,295 | 2,242 | 83,990 | 3,778 |
| Wake Village | 155,230 | 8,407 | 4,032 | (2,684) | 151,242 | 13,743 |
| Maud | 42,171 | 5,787 | 2,775 | 4,631 | 51,800 | 3,564 |
| Avery | 19,378 | - | - | (3,978) | 22,226 | (6,826) |
| Annona | 8,024 | 1,583 | 759 | 1,132 | 8,949 | 2,550 |
| Texarkana, AR | 1,393,266 | 168,477 | - | - | 1,532,338 | 29,405 |
| Texarkana, TX | 2,731,202 | 289,590 | 138,690 | - | 3,123,476 | 36,006 |
| RWRD | 289,442 | - | - | (46,198) | 280,663 | (37,418) |
| | \$ 5,223,923 | \$ 515,000 | \$ 165,994 | \$ (86,772) | \$ 5,834,771 | \$ (16,626) |

| | 2020 Monthly Cost | | | | 2019 Monthly Cost Total | Increase/ (Decrease) |
|---------------|-------------------|----------------|--------------|--------------|----------------------------|-------------------------|
| | Water | Infrastructure | Debt Service | 2018 True Up | | |
| New Boston | 30,159 | 1,533 | 735 | (3,055) | 35,861 | (6,489) |
| Hooks | 12,843 | 976 | 468 | (438) | 12,480 | 1,370 |
| DeKalb | 5,766 | 920 | 441 | 187 | 6,999 | 315 |
| Wake Village | 12,936 | 701 | 336 | (224) | 12,604 | 1,145 |
| Maud | 3,514 | 482 | 231 | 386 | 4,317 | 297 |
| Avery | 1,615 | - | - | (332) | 1,852 | (569) |
| Annona | 669 | 132 | 63 | 94 | 746 | 213 |
| Texarkana, AR | 116,105 | 14,040 | - | - | 127,695 | 2,450 |
| Texarkana, TX | 227,600 | 24,133 | 11,557 | - | 260,290 | 3,000 |
| RWRD | 24,120 | - | - | (3,850) | 23,389 | (3,118) |
| | \$ 435,327 | \$ 42,917 | \$ 13,833 | \$ (7,231) | \$ 486,231 | \$ (1,386) |