

THE GREENVILLE WATER AUTHORITY MERCER COUNTY, PENNSYLVANIA

2016 WATER SYSTEM ANNUAL REPORT & 2017 OPERATING BUDGET

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Project No.: 4631.01

Dated: February 8, 2017

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1. INTRODUCTION

This Water System Annual Report has been prepared in accordance with the authorization given to Entech Engineering Inc., by the Greenville Water Authority (Authority) in accordance with Article VI, Section 6.07 of the Third Supplemental Trust Indenture dated December 29, 2011 which states:

"The Consulting Engineer shall be required to report annually on (i) the condition and operation of the Water System, and (ii) on the sufficiency of the Capital Improvements and Redemption Fund. The Capital Improvements and Redemption Fund shall be funded by any additional amounts recommended by the Consulting Engineer. Furthermore, amounts on deposit in the Capital Improvements and Redemption Fund shall be used to replenish any deficiency in the Debt Service Reserve Fund."

The Annual Report, presented herein is classified under the following headings:

- Operational and Maintenance Status of Authority Water Facilities
- Revenues and Expenditures
- Capital Improvements and Redemption Fund
- Rates, Rents and Charges for Water
- Insurance
- Conclusions and Recommendations

This report is the seventy-fourth annual report upon the operation of the water system under Authority management. Reports have been submitted annually covering operations since April 1, 1942. Additions and improvements during the past year are reviewed, and the report includes recommendations for additions and improvements, the operating budget for fiscal year 2017, and the capital expenditures proposed for the fiscal year 2017. Information used in this report has been obtained from Authority Management.

1.1. Greenville Water Authority Water System Description

The Greenville Water Authority Water System is comprised of one treatment plant, five storage tanks, distribution mains, and associated appurtenances. This system serves Greenville Borough and a portion of Hempfield Township and West Salem Township. Pertinent information about the Authority and its water system is provided in Section 2.

2. OPERATIONAL & MAINTENANCE STATUS OF AUTHORITY FACILITIES

2.1. System Operational and Maintenance Status

The general performance of all Greenville Water Authority distribution and treatment facilities during Fiscal Year 2016 has been satisfactory. Management reports that all Authority facilities have functioned well throughout the year with no extraordinary operational or maintenance problems encountered.

2.2. Water Treatment Plant

The filtration plant contains four filters that have a total of 360 square feet of surface area. Considering these filters to be rapid rate filters with multimedia beds per the Department of Environmental Protection Regulations, the filters can produce 2,000,000 gallons of water per day.

The filtration plant was operated 5,130 hours during the past year for an average of approximately 14.1 hours daily and processed sufficient quantities of water to meet all consumer requirements. A review of operating results indicates that the water produced by the plant met or exceeded primary drinking water regulations of the Safe Drinking Water Act.

In addition to performing routine maintenance, Greenville Water Authority replaced two (2) chemical feed pumps for Polyaluminium Chloride (PAC) and one (1) for ammonia during 2016. A heat pump was also added in the office area.

2.3. Distribution System

The distribution system has been properly maintained during the past year, and extensions were made as required to serve customers. In 2016, 435'of 12" river crossing water line was replaced. Hydrants were regularly inspected, and repairs were made as required to the distribution system to provide for minimum interruption of service to customers.

Under the Meter Account, 122 remote meters were installed and 14 meters were tested or repaired in 2016.

A review of the operating records, as noted above, indicates that the Authority has continued to expand and improve distribution and service facilities during the past year and has operated and maintained them in accordance with accepted waterworks practice.

The Authority also continued an ongoing inspection of fire hydrants and turned valves in an effort to keep the system's components operational. The Authority flushed the system in April and October.

2.4. Distribution Storage Facilities

The exterior surfaces and grounds surrounding the two 750,000-gallon, 255,000-gallon, the high level 250,000-gallon and 1,000,000-gallon storage tanks are maintained in a satisfactory manner. Construction for the new 1 million gallon storage tank adjacent to the existing Hadley Road storage tank was completed in December 2010. The Hadley Road 250,000 gallon tank was repainted in 2014 and a tank mixing system was also provided.

It is recommended that the Authority continue the annual inspection and maintenance program for all distribution storage tanks. This program will identify potential problems before they become major and costly. The water storage tanks were last painted as follows:

| <u>Tank</u> | Year |
|------------------------------------|------|
| 750,000-Gallon, South Tank | 1997 |
| 750,000-Gallon, North Tank | 1995 |
| 250,000-Gallon, Hadley Road Tank | 2014 |
| 255,000-Gallon, West Main Street | 2005 |
| 1,000,000-Gallon, Hadley Road Tank | 2010 |

2.5. General Office Structures and Equipment

The general office structure has been well maintained and is adequate in size for Authority operations. A video surveillance system was installed in 2015 and an additional camera covering the employee parking area was added in 2016.

Under General Shop Equipment, general tools and equipment were purchased during 2016. Adequate small tools and repair equipment are available and maintained in good condition for repairs and service to customers. In 2016, a new roof was added on the office building along with a new furnace/AC unit at a cost of \$76,795.

2.6. Consumers

The total number of customers according to consumer classifications listed on the books of the Authority as of December 31, 2016, compared with those listed at the end of 2015, is as follows:

| Number of Customers | | | | |
|-------------------------|-------------------|--|-------------------|--|
| | | | | |
| | December 31, 2015 | | December 31, 2016 | |
| | | | | |
| Residential | 2,454 | | 2,464 | |
| Commercial | 225 | | 223 | |
| Industrial | 3 | | 3 | |
| Public | 24 | | 22 | |
| | | | | |
| | | | | |
| Private Fire Protection | 53 | | 53 | |
| Public Fire Protection | 2 | | 2 | |

Note that a new customer tap for the Cobblestone Hotel was installed in December 2016. The tap required an 80 LF extension of 12" pipe, including a 60 LF bored road crossing at a cost of \$28,567.66

2.7. Use of Water

The comparison of the amount of water sold by consumer classification for the past five years is tabulated in the following summary:

| | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> |
|-------------|-------------|-------------|-------------|-------------|-------------|
| Residential | 101,687 | 104,940 | 102,932 | 99,693 | 97,037 |
| Commercial | 58,923 | 52,607 | 50,881 | 49,980 | 43,496 |
| Industrial | 6,078 | 5,232 | 2,891 | 2,434 | 1,929 |
| Public | 15,120 | 11,187 | 11,737 | 10,159 | 10,479 |
| Bulk Sales | 1,943 | 3,116 | 1,646 | 522 | 939 |
| TOTAL | 183,751 | 177,082 | 170,087 | 162,788 | 153,880 |
| | | | | | |

Sales to metered consumers totaled 153,880,000 gallons or a daily average of approximately 421,589 gallons in 2016 and represents a decrease in total sales of 8,908,000 gallons from 2015. A breakdown of sales per customer class indicates that residential sales decreased by 2,656,000 gallons, commercial decreased by 6,484,000 gallons, industrial decreased by 505,000 gallons, public increased by 320,000 gallons and bulk sales increased by 417,000 gallons in 2016.

2.8. Water Treatment Plant Operation

The following tabulation lists plant output, quantity of water sold, water used in plant operation, daily average output and the percentage of water unbilled for during the past ten years.

| <u>Year</u> | <u>Plant Output (1)</u> | <u>Sold (1)</u> | <u>Other (1,2)</u> | <u>Daily</u> <u>Average</u> Output (1) | Percentage Unbilled |
|-------------|-------------------------|-----------------|--------------------|--|------------------------|
| 2016 | 224,767 | 153,880 | 6,794 | 616 | 29.7 |
| 2015 | 255,681 | 162,788 | 15,570 | 700 | 30.2 |
| 2014 | 255,805 | 170,087 | - | 701 | 33.5 |
| 2013 | 255,760 | 177,081 | 15,000 | 701 | 30.9 |
| 2012 | 268,303 | 183,751 | 7,500 | 735 | 31.5 |
| 2011 | 240,000 | 179,052 | 1,000 | 658 | 25.4 |
| 2010 | 245,171 | 175,030 | 3,000 | 672 | 28.6 |
| 2009 | 256,327 | 176,827 | 2,024 | 702 | 31.0 |
| 2008 | 265,236 | 186,294 | 5,500 | 727 | 29.8 |
| 2007 | 314,148 | 199,421 | 11,497 | 861 | 36.5 |
| Note : | (1) Units in 1,000 gal | lons | | | |
| | (2) Estimated for fire | hydrant flu | shing | | |

The Unbilled percentage is based on the Plant Output and Water Sold values. This accounts for unmetered water usage from hydrant flushing, leaks, tank drawdowns, fire protection, etc.

The following tabulation compares the chemical usage and cost for the last two years:

| | <u>20</u> | <u>15</u> | <u>2016</u> | |
|------------------|-------------------|------------|-------------------|------------|
| | Amount | | <u>Amount</u> | |
| Chemical | <u>Used (lbs)</u> | Total Cost | <u>Used (lbs)</u> | Total Cost |
| | | | | |
| Activated Carbon | - | \$0 | - | \$- |
| AquaMag (gal) | 301 | \$4,274 | 429 | \$5,992 |
| Caustic Soda | 21,099 | \$6,883 | 42,824 | \$14,998 |
| Chlorine | 10,700 | \$5,822 | 10,808 | \$6,154 |
| Fluoride | 11,751 | \$6,829 | 10,641 | \$5,207 |
| PolyEZ N1986 | 107 | \$305 | 88 | \$251 |
| Stern PAC | 163,600 | \$29,448 | 215,370 | \$38,767 |
| 300-53 Polymer | | | | |
| (Sludge Press) | 1,406 | \$2,404 | 1,904 | \$3,256 |
| Potassium | | | | |
| Permanganate | 1,416 | \$6,357 | 2,191 | \$8,766 |
| Ammonia | 6,425 | \$2,418 | 9,051 | \$4,337 |
| TOTAL | | \$64,741 | | \$87,728 |

3. REVENUES AND EXPENDITURES

3.1. Revenues and Expenditures

Based on information provided by the Authority, Table 1 has been prepared to show the actual 2015 revenues and expenses compared with the projected actual (unaudited) and budgeted revenues and expenses for 2016.

| TABLE 1 | | | | |
|--|-------------|---------------|-------------|--|
| REVENUES AND EXPENSES FOR 2015, 2016 AND 2016 BUDGET | | | | |
| | | | | |
| | | 2016 Year End | | |
| Operating Revenue | 2015 Actual | (unaudited) | 2016 Budget | |
| Metered Residential | \$1,214,218 | \$1,233,938 | \$1,231,837 | |
| Metered Commercial | \$376,884 | \$366,879 | \$401,275 | |
| Metered Industrial | \$20,887 | \$19,913 | \$23,600 | |
| Metered Public | \$35,497 | \$38,571 | \$32,318 | |
| Private Fire Protection | \$36,792 | \$37,547 | \$35,369 | |
| Public Fire Protection | \$26,829 | \$26,828 | \$26,892 | |
| Tap in Fees | \$9,782 | \$28,568 | \$2,000 | |
| Subtotal Operations Revenue | \$1,720,889 | \$1,752,243 | \$1,753,291 | |
| | | | | |
| Non-Operations Revenue | | | | |
| Bulk Water Sales | \$4,286 | \$9,433 | \$5,000 | |
| Well Sample Test | \$6,808 | \$8,815 | \$6,200 | |
| Turn On/Off Service Fee | \$9,706 | \$9,208 | \$8,300 | |
| Lien Letter Receipts | \$2,475 | \$2,725 | \$2,000 | |
| Collection Cost Recovery | \$41,620 | \$42,218 | \$34,100 | |
| Miscellaneous/Scrap | \$1,510 | \$869 | \$3,000 | |
| Theft of Service Recovered | \$0 | \$0 | \$100 | |
| Work for Others | \$11,855 | \$7,156 | \$3,000 | |
| Sewer Collection Fees | \$27,743 | \$30,055 | \$27,744 | |
| Interest Earnings | \$3,458 | \$3,933 | \$650 | |
| Written Off Account Recovery | \$2,505 | \$759 | \$240 | |
| Grant and Property Sale/Lease | \$0 | \$11,370 | \$0 | |
| USB Trust- Debt Interest | \$27 | \$60 | \$48 | |
| USB Trust - Debt Holdings Interest | \$18 | \$16 | \$18 | |
| USB Capital Interest | \$33 | \$41 | \$4 | |
| Subtotal Non-Operations Revenue | \$112,044 | \$126,659 | \$90,404 | |
| | A | A | A. 0.0 000 | |
| TOTAL REVENUES | \$1,832,933 | \$1,878,903 | \$1,843,695 | |

| TABLE 1 (cont'd) | | | | |
|--------------------------------------|---------------|---------------|-------------|--|
| REVENUES AND EXPENSES FO | DR 2015, 2016 | AND 2016 BUD | GET | |
| | | | | |
| | | 2016 Year End | | |
| General & Administrative | 2015 Actual | (unaudited) | 2016 Budget | |
| Authority Board | \$5,900 | \$5,900 | \$6,000 | |
| Office Salaries | \$107,892 | \$109,968 | \$110,515 | |
| Billing Supplies | \$49,739 | \$44,179 | \$59,425 | |
| Contracted Services | \$36,676 | \$43,284 | \$37,000 | |
| Utilities | \$11,720 | \$11,144 | \$18,612 | |
| Office Building Maintenance | \$89 | \$381 | \$1,300 | |
| Permits/ Right of Ways | \$9,809 | \$6,050 | \$11,000 | |
| General Adjusted Bank Fees | \$4,560 | \$4,698 | \$5,000 | |
| Uncollectable Consumer Write-offs | \$0 | \$0 | \$1,200 | |
| Engineering Retainer | \$5,417 | \$4,583 | \$5,000 | |
| Legal & Professional | \$9,463 | \$11,157 | \$12,500 | |
| Insurance Premiums | \$35,780 | \$39,070 | \$44,572 | |
| Social Security | \$33,836 | \$34,883 | \$35,200 | |
| Health Benefits | \$84,854 | \$92,367 | \$111,500 | |
| Mileage Reimbursements | \$244 | \$823 | \$515 | |
| Education/Safety/ Medical | \$3,352 | \$3,535 | \$2,500 | |
| Unemployment Compensation | \$2,909 | \$2,821 | \$3,400 | |
| Retirement | \$6,163 | \$7,354 | \$7,334 | |
| Court Fees | \$1,714 | \$543 | \$1,400 | |
| Subtotal General Administrative Fees | \$410,117 | \$422,741 | \$473,973 | |
| | | | | |
| PURIFICATION SYSTEM | | 4 | 4 | |
| Operations Labor | \$152,807 | | | |
| Overtime Labor | \$6,381 | | | |
| Operations Expense | \$18,560 | | | |
| Treating Chemicals | \$64,742 | \$87,727 | | |
| Contracted Services | \$38,480 | \$32,098 | | |
| Utilities | \$60,682 | \$56,691 | | |
| Lab Chemicals | \$13,875 | | | |
| WTP Evaluation | \$4,435 | \$1,963 | | |
| Subtotal Purification | \$359,961 | \$384,141 | \$378,390 | |

TABLE 1 (cont'd)

| HADLEY ROAD BOOSTER | 2016 Year End | | |
|-----------------------|---------------|------------------|-------------|
| PUMP | 2015 Actual | (unaudited) | 2016 Budget |
| Electric / Building | \$768 | \$738 | \$790 |
| Electric / Pump | \$6,054 | \$5 <i>,</i> 682 | \$7,445 |
| Heating | \$1,823 | \$1,670 | \$2,482 |
| Pump Maintenance | \$0 | \$2,831 | \$1,800 |
| Contracted Services | \$0 | \$0 | \$0 |
| Subtotal Pumping | \$8,645 | \$10,920 | \$12,517 |
| | | | |
| DISTRIBUTION SYSTEM | | | |
| Operations Labor | \$164,065 | \$165,683 | \$169,940 |
| Labor Overtime | \$12,405 | \$9,670 | \$11,960 |
| Services Materials | \$5,534 | \$4,391 | \$5,920 |
| Mains Material | \$15,248 | \$7,691 | \$16,000 |
| Meters Material | \$29,514 | \$24,105 | \$30,000 |
| Operation Expense | \$15,776 | \$23,456 | \$16,650 |
| Contracted Service | \$57,675 | \$44,398 | \$58,800 |
| Vehicle Expense | \$1,894 | \$4,729 | \$2,400 |
| Gasoline Expense | \$4,559 | \$3,241 | \$6,200 |
| Subtotal Distribution | \$306,670 | \$287,363 | \$317,870 |
| | | | |
| TOTAL EXPENSES | \$1,085,393 | \$1,105,166 | \$1,182,750 |

REVENUES AND EXPENSES FOR 2015, 2016 AND 2016 BUDGET

As shown in Table 1, for Fiscal Year 2016 the total unaudited operating revenues were less than budgeted operating revenues by \$1,048. However, overall revenues exceeded budget by \$35,208. Total expenses for 2016 were \$77,584 less than the budget and the net income available for depreciation, debt service and capital additions is \$773,737.

Table 2 has been prepared to show the actual (unaudited) revenues and expenses of the Authority compared to the 2017 budget of revenues and expenses adopted by the Authority.

| TABLE 2 | | | | |
|------------------------------------|------------------|-------------|--|--|
| 2017 OPERATING BUDGET | | | | |
| | | | | |
| Operating Revenue | 2016 (unaudited) | 2017 Budget | | |
| Metered Residential | \$1,233,938 | \$1,250,280 | | |
| Metered Commercial | \$366,879 | \$376,800 | | |
| Metered Industrial | \$19,913 | \$22,092 | | |
| Metered Public | \$38,571 | \$36,216 | | |
| Private Fire Protection | \$37,547 | \$37,548 | | |
| Public Fire Protection | \$26,828 | \$26,892 | | |
| Tap in Fees | \$28,568 | \$2,000 | | |
| Subtotal Operation Revenue | \$1,752,243 | \$1,751,828 | | |
| | | | | |
| Non-Operations Revenue | | | | |
| Bulk Water Sales | \$9,433 | \$9,000 | | |
| Well Sample Test | \$8,815 | \$6,900 | | |
| Turn On/Off Service Fee | \$9,208 | \$9,084 | | |
| Lien Letter Receipts | \$2,725 | \$2,500 | | |
| Collection Cost Recovery | \$42,218 | \$41,000 | | |
| Miscellaneous/Scrap | \$869 | \$1,500 | | |
| Theft of Service Recovered | \$0 | \$100 | | |
| Work for Others | \$7,156 | \$7,000 | | |
| Sewer Collection Fees | \$30,055 | \$27,744 | | |
| Interest Earnings | \$3,933 | \$1,800 | | |
| Written Off Account Recovery | \$759 | \$240 | | |
| Grant and Property Sale/Lease | \$11,370 | \$0 | | |
| USB Trust- Debt Interest | \$60 | \$48 | | |
| USB Trust - Debt Holdings Interest | \$16 | \$18 | | |
| USB Capital Interest | \$41 | \$4 | | |
| Subtotal Non-Operations Revenue | \$126,659 | \$106,938 | | |
| | | | | |
| TOTAL REVENUES | \$1,878,903 | \$1,858,766 | | |

| TABLE 2 (Cont'd) | | | | | |
|--------------------------------------|------------------|-------------|--|--|--|
| 2017 OPERATING BUDGET | | | | | |
| | | | | | |
| General & Administrative | 2016 (unaudited) | 2017 Budget | | | |
| Authority Board | \$5,900 | \$6,000 | | | |
| Office Salaries | \$109,968 | \$114,204 | | | |
| Billing Supplies | \$44,179 | \$50,200 | | | |
| Contracted Services | \$43,284 | \$41,900 | | | |
| Utilities | \$11,144 | \$12,400 | | | |
| Office Building Maintenance | \$381 | \$1,000 | | | |
| Permits/ Right of Ways | \$6,050 | \$10,500 | | | |
| General Adjusted Bank Fees | \$4,698 | \$5,000 | | | |
| Uncollectable Consumer Write-offs | \$0 | \$600 | | | |
| Engineering Retainer | \$4,583 | \$5,170 | | | |
| Legal & Professional | \$11,157 | \$12,925 | | | |
| Insurance Premiums | \$39,070 | \$43,600 | | | |
| Social Security | \$34,883 | \$36,397 | | | |
| Health Benefits | \$92,367 | \$128,000 | | | |
| Mileage Reimbursements | \$823 | \$530 | | | |
| Education/Safety/ Medical | \$3,535 | \$3,000 | | | |
| Unemployment Compensation | \$2,821 | \$3,800 | | | |
| Retirement | \$7,354 | \$7,400 | | | |
| Court Fees | \$543 | \$1,400 | | | |
| Subtotal General Administrative Fees | \$422,741 | \$484,026 | | | |
| PURIFICATION SYSTEM | | | | | |
| Operations Labor | \$162,606 | \$166,824 | | | |
| Overtime Labor | \$7,707 | \$8,50 | | | |
| Operations Expense | \$14,864 | \$19,50 | | | |
| Treating Chemicals | \$87,727 | \$82,40 | | | |
| Contracted Services | \$32,098 | \$35,60 | | | |
| Utilities | \$56,691 | \$62,00 | | | |
| Lab Chemicals | \$20,485 | \$18,10 | | | |
| WTP Evaluation | \$1,963 | \$1,00 | | | |
| Subtotal Purification | \$384,141 | \$393,94 | | | |

| TABLE 2 (Cont'd) | | | | |
|-----------------------|------------------|-------------|--|--|
| 2017 OPERATING BUDGET | | | | |
| | | | | |
| HADLEY ROAD BOOSTER | | | | |
| PUMP | 2016 (unaudited) | 2017 Budget | | |
| Electric / Building | \$738 | \$814 | | |
| Electric / Pump | \$5,682 | \$6,108 | | |
| Heating | \$1,670 | \$2,400 | | |
| Pump Maintenance | \$2,831 | \$3,000 | | |
| Contracted Services | \$0 | \$0 | | |
| Subtotal Pumping | \$10,920 | \$12,322 | | |
| | | | | |
| DISTRIBUTION SYSTEM | | | | |
| Operations Labor | \$165,683 | \$148,584 | | |
| Labor Overtime | \$9,670 | \$14,856 | | |
| Services Materials | \$4,590 | \$5,500 | | |
| Mains Material | \$8,659 | \$15,600 | | |
| Meters Material | \$25,503 | \$29,496 | | |
| Operation Expense | \$23,456 | \$22,860 | | |
| Contracted Service | \$44,398 | \$57,600 | | |
| Vehicle Expense | \$4,729 | \$2,004 | | |
| Gasoline Expense | \$3,241 | \$4,920 | | |
| Subtotal Distribution | \$289,928 | \$301,420 | | |
| TOTAL EXPENSES | \$1,105,166 | \$1,191,712 | | |

The Operating Budgeted Expenses for 2017, included herein, total \$1,191,712. This represents an increase of approximately 8 percent over the unaudited operating expenses in 2016. Expenses are based on present and anticipated 2017 costs of chemicals, power, contract dewatering of treatment plant sludge, and other operating requirements.

The anticipated revenues from metered sales, fire protection, and tap-in fees revenue are estimated to provide approximately \$1,751,828 in 2017. Non-operating revenues are estimated to amount to \$106,938, which includes the fee charged to the Borough of Greenville and Hempfield Township for billing and collecting sewer charges, and interest income from investments. On the above basis, total revenues for 2017 have been anticipated to amount to \$1,858,766.

3.2. Comparative Statement of Revenues, Expenses, and Debt Service

A comparative statement of operating revenues, expenses, and debt service for Fiscal Years 2016 and 2017 is shown in Table. The Budget FY2017 figures reflect the Fourth Issue Water Revenue Bonds, Series of 2011 dated December 29, 2011 values.

| TAI | BLE 3 | |
|---|----------------------|-------------------|
| COMPARATIVE STATEMENT C | F REVENUE AND DEB | BT SERVICE |
| | Unaudited FY 2016 | Budget FY 2017 |
| <u>Net Revenue</u> | | |
| Total Revenue | \$1,878,903 | \$1,858,766 |
| Total Expenses | \$1,105,166 | \$1,191,712 |
| Total Revenue Available for Debt Service | \$773,737 | \$667,054 |
| Debt Service | | |
| 2011 Bond Issue | \$283,588 | \$284,988 |
| Pennvest Waterline | \$246,997 | \$248,400 |
| Hospital princ/int NEW PENVEST | \$0 | \$25,000 |
| Total Debt Service | \$530,585 | \$558,388 |
| Capital Additions | | |
| Revenue Available for Debt Service | \$773,737 | \$667,054 |
| Total Debt Service | (530,585) | (558,388) |
| Available for Capital Additions | \$243,152 | \$108,666 |
| Coverage Provided | 1.46 | 1.19 |

The above summary indicates that revenues produced by the rate schedule effective January 1, 2017 together with other non-operating revenue will provide revenues for the year 2017 that will be sufficient to cover the requirements for operating expenses and for debt service as required by the Trust Indenture.

4. CAPITAL IMPROVEMENTS AND REDEMPTION FUND

4.1. Capital Improvements 2016

Cost of capital additions to plant and equipment of the Waterworks System in 2016 totaled \$537,157. These improvements were sufficient for proper operation of the Authority's system.

A tabulation of budgeted and actual expenses is shown in Table 4.

| TAB | BLE 4 | |
|--------------------------------|-------------------|-------------|
| Capital Improvem | ents Program 2016 | |
| ITEM | Budget 2016 | Actual 2016 |
| Lab/Plant Equipment | \$28,300 | \$19,538 |
| Raw Pumps/Finish Pumps | \$15,000 | \$0 |
| Sludge/ Press Improvements | \$3,000 | \$3,403 |
| Building & Parking Lot Repairs | \$60,000 | \$83,459 |
| Hydrant/Valve Program | \$4,800 | \$5,625 |
| Tools & Equipment | \$3,600 | \$0 |
| Main Line Improvements | \$14,000 | \$0 |
| Hadley Road Cobblestone Hotel* | \$0 | -\$4,589 |
| Thiel Waterline Reimbursement | \$209,000 | \$188,320 |
| River Crossing (Partial) | \$125,000 | \$227,858 |
| West Tank Improvements | \$140,000 | \$15,543 |
| TOTAL | \$602,700 | \$539,157 |

*Note that the Cobblestone Hotel line item reflects activity related to a Developers' agreement escrow account.

4.2. Capital Improvements Program 2017-2019

Proposed capital improvements for the years 2017, 2018 and 2019 are shown in Table 5. These improvements will be prioritized by the Authority and implemented based on need and available funds.

| | TABLE 5 | | |
|--------------------------------|-----------------------|-------------|-------------|
| Capital Improv | ements Program 2017-2 | <u>019</u> | |
| ITEM | Budget 2017 | Budget 2018 | Budget 2019 |
| Lab/Plant Equipment | \$22,000 | \$10,000 | \$40,000 |
| Raw Pumps/Finish Pumps | \$15,000 | \$3,000 | \$0 |
| Sludge/ Press Improvements | \$3,000 | \$13,000 | \$1,500 |
| Building & Parking Lot Repairs | \$0 | \$0 | \$30,000 |
| New Vehicles Replacement | \$42,000 | \$45,000 | \$0 |
| Hydrant/Valve Program | \$4,800 | \$0 | \$4,800 |
| Tools & Equipment | \$3,000 | \$0 | \$0 |
| Office Equipment | \$15,200 | \$1,500 | \$0 |
| West Tank Improvements | \$200,000 | \$30,000 | \$0 |
| Matching Funds for CFA Grant | \$58,170 | \$0 | \$0 |
| Booster | \$0 | \$40,000 | \$230,000 |
| TOTAL | \$363,170 | \$142,500 | \$306,300 |

5. RATES, RENTS AND CHARGES FOR WATER

5.1. Rate Schedule

The Authority's current rate schedule, which became effective January 1, 2017, is summarized as follows:

Monthly Minimum charge for which 500 gallons of water is allowed

| Size of meter | <u>Rate</u> |
|---------------|-------------|
| 5/8" | \$18.15 |
| 3/4" | \$26.86 |
| 1" | \$39.93 |
| 1 1/4" | \$47.85 |
| 1 1/1" | \$54.26 |
| 2" | \$82.63 |
| 3" | \$166.50 |
| 4" | \$272.80 |
| 6" | \$516.75 |

Monthly consumption charges, per thousand gallons for water used by one customer

| for the next | 3,500 gallons | \$7.93 |
|--------------|-----------------|--------|
| for the next | 29,500 gallons | \$8.20 |
| for the next | 66,500 gallons | \$7.92 |
| for the next | 233,500 gallons | \$5.88 |
| over | 333,500 gallons | \$4.16 |

Stand and by Service for Private Fire Protection (Annual Cost – Billed Monthly)

| 2" Hydrant | \$103.12 |
|----------------------|----------|
| 4" Hydrant | \$435.53 |
| 6" Hydrant | \$573.01 |
| | |
| Sprinkler Systems | |
| 2" Connection - Each | \$103.12 |
| 4" Connection - Each | \$435.53 |
| 6" Connection - Each | \$573.01 |
| 8" Connection - Each | \$985.74 |

Public Fire Protection includes main line (4" size or larger) and Fire Hydrants include supply line from the treatment plant (unchanged).

Borough of Greenville \$18,256.92 per year

Hempfield Township \$8,571.24 per year

5.2. Bulk Water Rates

The bulk water sale rate is \$7.93 per thousand gallons (billed monthly).

Metered bulk water use throughout the system is billed with a \$25.00 minimum.

Bulk water obtained at the water treatment plant has a \$5.00 service fee applied per load.

6. INSURANCE

Insurance in force as of December 31, 2016, is tabulated on the following page and includes General Liability, Property Coverage, Employees, Vehicles, Public Officials Liability, Employee Workers Compensation, and Employee Dishonesty as noted. The insurance coverage is based on an appraisal by an independent professional appraiser. The appraisal is updated annually. It is recommended that this practice be continued and that the Authority's appraisal be updated annually.

| | SCHED | ULE OF INSURANCE | | | |
|---|-------------------------|----------------------|-----------------|-------------------|--|
| | AS OF | DECEMBER 31, 2016 | | | |
| | | | Amount of | Expiration | |
| Policy No. Great American Insurance Co. | Property Covered | Type of Coverage | <u>Coverage</u> | Date | |
| | General Liability | Liability | \$1,000,000 | 5/1/2017 | |
| | | | | 5/1/2017 | |
| | Property Coverage | Building Coverage | \$8,038,598 | 5/1/2017 | |
| | | Hydrants | \$25,000 | 5/1/2017 | |
| | | Mobile Equiptment | \$38,000 | 5/1/2017 | |
| | | Flood & Earthquake | | 5/1/2017 | |
| | Umbrella Coverage | | \$1,000,000 | 5/1/2017 | |
| | Public Officials & Emp | \$3,000,000 | 5/1/2017 | | |
| | Commercial Crime | | \$100,000 | 5/1/2017 | |
| | Computer Fraud | | \$500,000 | 5/1/2017 | |
| Arch Insurance Co. | 4 Vehicles, 2 Trailers | Property Damage | \$1,000,000 | 5/1/2017 | |
| | | Comprehensive | \$1,000,000 | | |
| | | Collision | \$1,000,000 | | |
| | | Phsysical Damage | \$1,000,000 | | |
| | | Uninsureds Motorists | | | |
| Erie Insurance Co. of New York | Employee Workers Co | ompensation | PA Standard | 2/28/2017 | |

7. CONCLUSIONS & RECOMMENDATIONS

In accordance with the covenants of the Trust Indenture dated December 29, 2011, as set forth in Section 6.07, the following conclusions and recommendations are submitted:

Total Expenses in the amount of \$1,191,712 as outlined in the Budget, represent the estimate of the amount required for operational and administrative costs and maintenance of the water system for the 2017 fiscal year.

The operating budget, as provided herein, has been approved and adopted. In our opinion, it represents the required expenditures necessary to maintain the properties of the Authority in good repair and sound operating condition.

The insurance schedule, as set forth herein, is based on an independent professional appraisal. It is recommended that this appraisal be updated annually and insurance coverage be revisited as necessary for the coming fiscal year.

The capital improvements budget has been developed to provide a listing of desirable improvements over the next three (3) years. These improvements will be completed based upon the Authority's prioritization and available funding.

In its seventy-third year of existence, the Authority has continued to provide good, sound, direction to the operation of the utility in accordance with recognized water works practices, regulatory requirements, and industry standards.

Entech is registered to provide engineering services as Entech Engineering, Inc. In the performance of its services on behalf of the Greenville Water Authority (a municipal entity), Entech is not recommending any financing action, is not acting as a municipal advisor to the Client and does not owe a fiduciary duty pursuant to Section 15B of the Exchange Act to the Authority in respect to the information and material contained in this Report. The Authority should discuss any information and material contained in this Report with any and all internal and/or external financial advisors and experts deemed appropriate before acting on the information contained herein.

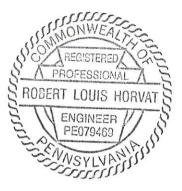
8. AKNOWLEDGMENT

Entech Engineering, Inc. would like to take this opportunity to express sincere gratitude to the Authority Board for the opportunity to serve as the Greenville Water Authority consulting engineer; and to recognize the valuable contributions of Ms. Carol Paul and the Greenville Water Authority staff to the preparation of this report

Respectfully Submitted,

ENTECH ENGINEERING, INC.

Robert Horvat, PE Regional Director



GREENVILLE WATER AUTHORITY APPROVED 2016 BUDGET

| TOTAL REVENUES | 1,672,227 | 1,637,230 | 1,788,848 | 1,832,934 | 1,846,221 | 1,882,139 | 1,917,866 | 1,954,317 | 1,991,408 |
|---|------------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-------------|-----------------|
| Subtotal Non- Operating | 119,737 | 119,570 | 106,862 | 112,044 | 90,404 | 91,404 | 91,504 | 91,604 | 91,604 |
| USB Capital Interest | 4 | 6 | 3 | 33 | 4 | 4 | 4 | 4 | 4 |
| USB Trust - Debt Holdings Interest | 74 | 35 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| USB Trust - Debt Interest | 15 | 54 | 40 | 27 | 48 | 48 | 48 | 48 | 48 |
| Grant & Property Sale/Lease | 28,144 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Written Off Acc Recovery | 1,257 | 371 | 515 | 2,505 | 240 | 240 | 240 | 240 | 240 |
| Interest Earnings | 1,916 | 1,795 | 3,121 | 3,458 | 650 | 650 | 650 | 650 | 650 |
| Sewer Collection Fees | 27,743 | 27,743 | 27,743 | 27,743 | 27,744 | 27,744 | 27,744 | 27,744 | 27,744 |
| Work For Others | 2,587 | 25,008 | 5 ,0 31 | 11,855 | 3,000 | 2,700 | 2,800 | 2,900 | 2,900 |
| Theit Of Service Recovered | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 |
| Misc/Scrap | 4,129 | 2,978 | 3,313 | 1,510 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| Collection Cost Recovery | 25,086 | 26,271 | 34,636 | 41,620 | 34,100 | 34,100 | 34,100 | 34,100 | 34,100 |
| Lien Letter Receipts | 1,467 | 1,600 | 2,396 | 2,475 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| Turn on/off Service | 10,368 | 9,241 | 7,757 | 9,706 | 8,300 | 8,300 | 8,300 | 8,300 | 8,300 |
| Well Sample Test | 5,235 | 6,041 | 6,481 | 6,808 | 6,200 | 6,200 | 6,200 | 6,200 | 6,200 |
| Bulk Water Sales | 11,712 | 18,425 | 15,808 | 4,286 | 5,000 | 6,300 | 6,300 | 6,300 | 6,300 |
| Non-Operating Revenues | 2012 Actual | 2013 Actual | 2014 Actual | 2015 Actual | 2016 Budget | 2017 Budget | 2018 Budget | 2019 Budget | 2020 Budget |
| daile | 1,000,100 | 1,011,000 | 1,001,000 | 1,1 20,000 | | 1,100,100 | 1,020,002 | 1,002,714 | 1,000,00 |
| Subtotal Operating | 1,552,490 | 1,517,660 | 1,681,986 | 1,720,889 | 1,755,818 | 1,790,735 | 1,826,362 | 1,862,714 | 1,899,80 |
| Tap in Fees | 9,005 | 23,820 5,290 | 31,141 4,302 | 26,829 9,782 | 26,892 | 26,892 2,000 | 26,892 2.000 | 26,892 | 26,892 2,000 |
| Private Fire Protection Public Fire Protection | 29,651 23,820 | 31,179 | 35,693 | 36,792 | 37,896 | 39,033 | 40,204 | 41,410 | 42,652 |
| Metered Public | 32,371 | 28,572 | 30,898 | 35,497 | 32,318 | 32,964 | 33,624 | 34,296 | 34,982 |
| Metered Industrial | 33,039 | 29,955 | 21,472 | 20,887 | 23,600 | 24,072 | 24,553 | 25,045 | 25,545 |
| Metered Commercial | 402,185 | 336,894 | 369,336 | 376,884 | 401,275 | 409,301 | 417,487 | 425,836 | 434,353 |
| Metered Residential | 1,022,419 | 1,061,952 | 1,189,144 | 1,214,218 | 1,231,837 | 1,256,474 | 1,281,603 | 1,307,235 | 1,333,38 |
| Operating Revenues | 2012 Actual | 2013 Actual | 2014 Actual | 2015 Actual | 2016 Budget | 2017 Budget | 2018 Budget | 2019 Budget | 2020 Budget |
| ATE INREASE | 0.0% | 0.0% | 10.0% | 6.5% | 3.0% | 3.0% | 3.0% | 3.0% | 3.0% |

Approved budgets are for planning purposes only.

| General & | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|--|----------------|--------------|---------|---------------|--------------|---------------|----------------|-----------------|---------|
| Administration | Actual | Actual | Actual | Actual | Budget | Budget | Budget | Budget | Budget |
| Authority Board | 6,000 | 5,700 | 6,000 | 5,900 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 |
| Office Salaries | 104,658 | 99,584 | 97,023 | 107,892 | 110,515 | 114,273 | 118,158 | 122,175 | 126,329 |
| Billing Supplies | 25,353 | 23,993 | 31,652 | 49,739 | 59,425 | 61,208 | 63,044 | 64,935 | 66,883 |
| Contracted Services | 26,065 | 28,240 | 35,314 | 36,676 | 37,000 | 38,258 | 39,559 | 40,904 | 42,294 |
| Utilities | 13,485 | 13,533 | 17,057 | 11,720 | 18,612 | 19,245 | 19,899 | 20,576 | 21,275 |
| Office Bldg Maint. | 1,061 | 827 | 11,874 | 89 | 1,300 | 1,500 | 1,500 | 1,500 | 1,500 |
| Permits | 1,605 | 6,230 | 5,315 | 9,809 | 11,000 | 14,500 | 14,500 | 14,500 | 14,500 |
| Gen/Adj Bank Fees | 2,755 | 4,768 | 4,550 | 4,560 | 5,000 | 5,170 | 5,346 | 5,528 | 5,715 |
| Uncollectible Write Off | 0 | 0 | 0 | 0 | 1,200 | 1,241 | 1,283 | 1,327 | 1,372 |
| Engineer Retainer | 4,583 | 5,000 | 5,056 | 5,417 | 5,000 | 5,170 | 5,346 | 5,528 | 5,715 |
| Legal & Professional | 7,950 | 15,363 | 14,455 | 9,463 | 12,500 | 12,925 | 13,364 | 13,819 | 14,289 |
| Insurance Premiums | 38,556 | 36,229 | 44,863 | 35,780 | 44,572 | 46,801 | 49,141 | 51,598 | 54,178 |
| Social Security | 32,848 | 31,388 | 32,404 | 33,836 | 35,200 | 36,397 | 37,634 | 38,914 | 40,237 |
| Health Benefits | 73,663 | 75,747 | 82,068 | 84,854 | 111,500 | 120,000 | 124,080 | 128,299 | 132,661 |
| Mileage Reimbursement | 1,254 | 303 | 580 | 244 | 515 | 530 | 546 | 563 | 580 |
| Educ/Safety/Med | 3,527 | 2,693 | 2,478 | 3,352 | 2,500 | 4,000 | 3,000 | 3,000 | 3,000 |
| Unemploy-Comp | 3,398 | 3,431 | 2,670 | 2,909 | 3,400 | 3,516 | 3,635 | 3,759 | 3,887 |
| Retirement | 10,416 | 2,646 | 2,311 | 6,163 | 7,334 | 7,500 | 7,500 | 7,500 | 7,500 |
| Court Fees | (1,446) | 538 | 1,279 | 1,714 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| Provision for Renewal (Depreciation) | 293,026 | 270,488 | 299,134 | 289,521 | 328,000 | 328,000 | 328,000 | 328 ,000 | 328,000 |
| Subtotals do not inclu | ide "provision | for renewals | In Gene | ral, Expenses | Based On 3.4 | 4% Increase ` | r early | | |
| SubTotal G & A Expenses | 355,731 | 356,212 | 396,948 | 410,117 | 473,973 | 499,632 | 514,935 | 531,822 | 549,315 |

EXPENSES (Cont.)

| ENPENSES (CO | 16 | | | | | | | | |
|----------------------------|------------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| Treatment Plant | 2012 Actual | 2013 Actual | 2014 Actual | 2015 Actual | 2016 Budget | 2017 Budget | 2018 Budget | 2019 Budget | 2020 Budget |
| Operating Labor | 141,549 | 139,575 | 150,044 | 152,807 | 160,200 | 165,006 | 169,956 | 175,055 | 180,307 |
| Overtime Labor | 8,027 | 6,422 | 4,930 | 6,381 | 7,300 | 7,519 | 7,745 | 7,977 | 8,216 |
| Operating Expense | 24,248 | 13,498 | 20,411 | 18,560 | 22,024 | 22,773 | 23,547 | 24,348 | 25,149 |
| Treat-Chemicals | 66,114 | 59,470 | 67,647 | 64,742 | 71,958 | 74,836 | 77,830 | 80,943 | 84,181 |
| Contracted Service | 28,088 | 31,921 | 34,208 | 38,480 | 35,000 | 36,050 | 37,132 | 38,245 | 39,393 |
| Utilities | 53,613 | 53,740 | 59,917 | 60,682 | 66,000 | 67,980 | 70,019 | 72,120 | 74,284 |
| Lab Chemicals | 9,809 | 13,201 | 13,364 | 13,875 | 12,408 | 12,830 | 13,266 | 13,717 | 14,168 |
| WTP Evaluation | Capital | Capital | 3,046 | 4,435 | 3,500 | 3,600 | 3,600 | 3,600 | 3,600 |
| SubTotal Treatment | 331,448 | 317,826 | 353,568 | 359,961 | 378,390 | 390,594 | 403,095 | 416,005 | 429,297 |
| Hadley Rd. Booster Pump | 2012 Actual | 2013 Actual | 2014 Actual | 2015 Actual | 2016 Budget | 2017 Budget | 2018 Budget | 2019 Budget | 2020 Budget |
| Electric / Building | 459 | 879 | 806 | 768 | 790 | 814 | 838 | 863 | 889 |
| Electric / Pumps | 5,427 | 5,813 | 6,824 | 6,054 | 7,445 | 7,698 | 7,960 | 8,230 | 8,501 |
| Heating | 1,733 | 1,453 | 2,019 | 1,823 | 2,482 | 2,566 | 2,653 | 2,743 | 2,834 |
| Pump Maint. | 1,664 | 0 | 0 | 0 | 1,800 | 1,924 | 1,990 | 2,058 | 2,125 |
| Contracted Service | 0 | 6,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SubTotal Pumping | 9,283 | 14,146 | 9,650 | 8,645 | 12,516 | 13,002 | 13,441 | 13,895 | 14,349 |
| Distribution | 2012 Actual | 2013 Actual | 2014 Actual | 2015 Actual | 2016 Budget | 2017 Budget | 2018 Budget | 2019 Budget | 2020 Budget |
| Operating Labor | 152,992 | 148,626 | 98,917 | 164,065 | 169,940 | 175,038 | 180,289 | 185,698 | 191,269 |
| Labor Overtime | 5,887 | 6,617 | 5,593 | 12, 40 5 | 11,960 | 12,319 | 12,688 | 13,069 | 13,461 |
| Services Material | 4,415 | 4,432 | 3,132 | 5,534 | 5,920 | 6,098 | 6,281 | 6,469 | 6,663 |
| Mains Material | 5,269 | 11,565 | 9,625 | 15,248 | 16,000 | 16,320 | 16,646 | 16,979 | 17,319 |
| Meters Material | 109 | 761 | 24,719 | 29,514 | 30,000 | 30,900 | 30,900 | 30,900 | 30,900 |
| Operating Expense | 11,245 | 11,020 | 17,094 | 15,776 | 16,650 | 17,150 | 17,664 | 18,194 | 18,740 |
| Contracted Service | 57,396 | 39,760 | 38,553 | 57,675 | 58,800 | 42,766 | 44,220 | 45,724 | 45,724 |
| Vehicle Expense | 942 | 3,487 | 479 | 1,894 | 2,400 | 2,566 | 2,653 | 2,743 | 2,743 |
| Gasoline Expense | 6,451 | 8,441 | 6,175 | 4,559 | 6,200 | 7,000 | 7,200 | 7,300 | 7,400 |
| SubTotal Distribution | 244, 70 7 | 234,709 | 204,287 | 306,670 | 317,870 | 310,156 | 318,542 | 327,076 | 334,219 |
| | | | | | | | | | |

GREENVILLE WATER AUTHORITY APPROVED 2016 BUDGET 02 /17/2016

CAPITAL

| Actual Actual< | | | | | | | | | 0271 | 112010 |
|---|------------------------------------|-------------|---------------|---------|--------|----------|--------|--------|-------------|----------------|
| Lab and Plant Equip Improvement: Capital or Expense 18,338 11,258 13,910 7,620 28,300 35,000 16,000 12,000 12 Expense Maw/Finish Pumps Improvement: Capital or 0 12,464 0 3,461 15,000 16,000 12,000 0 Expense 0 0 0 1,940 3,000 5,000 12,000 2,500 5, Sludge Press & Equip Improvement: Capital or 0 0 0 1,940 3,000 5,000 40,000 14,500 17 Distribution 2012 Actual 2013 Actual 2014 Actual 2015 Actual 2016 Budget 2017 Budget 2018 Budget 2019 Budget 2019 | Treatment Plant | | | | | | | | 1 | 2020 Budget |
| Improvement: Capital or Expense 18,338 11,258 13,910 7,620 28,300 35,000 16,000 12,000 12 Expense Improvement: Capital or Expense 0 12,464 0 3,461 15,000 16,000 12,000 0 Expense 0 0 0 1,940 3,000 5,000 12,000 0 5,100 Sludge Press & Equip Improvement: Capital or Expense 19,886 29,890 10,369 13,021 46,300 56,000 40,000 14,500 16,000 14,500 16,000 14,500 16,000 14,500 16,000 14,500 16,000 14,500 16,000 14,500 16,000 14,500 16,000 14,500 17 Distribution 2012 2013 Actual Actual Actual Actual Actual Budget | Evaluation/Optimization | 1,548 | 6,168 | Expense | | | | | • • • • • • | •••• |
| Improvement: Capital or Expense 0 12,464 0 3,461 15,000 16,000 12,000 0 Expense 0 0 0 0 1,940 3,000 5,000 12,000 2,500 5, Sub Total - Plant 19,886 29,890 10,369 13,021 46,300 56,000 40,000 14,500 17 Distribution 2012 2013 2014 Actual Actual Actual 2015 2016 2017 2018 2019 22 Building & Lot Repairs 0 0 7,674 0 60,000 5,000 35,000 18,000 5,1 System Map & Model Capital or Expense 2,115 0 0 7,949 0 | Improvement: Capital or Expense | 18,338 | 11,258 | 13,910 | 7,620 | 28,300 | 35,000 | 16,000 | 12,000 | 12,000 |
| Improvement: Capital or Expense 0 0 0 1,940 3,000 5,000 12,000 2,500 5,1 Sub Total - Plant 19,886 29,890 10,369 13,021 46,300 56,000 40,000 14,500 17. Distribution Actual Actual Actual Actual Actual Actual Actual Actual Actual Actual 2015 Actual 2016 Budget 2017 Budget 2018 Budget 2019 Budget 2010 Budget 2000 Budget 2010 | Improvement: Capital or Expense | 0 | 12,464 | 0 | 3,461 | 15,000 | 16,000 | 12,000 | 0 | 0 |
| Distribution 2012 Actual 2013 Actual 2014 Actual 2015 Actual 2016 Actual 2016 Budget 2017 Budget 2018 Budget 2019 Budget | Improvement: Capital or | 0 | 0 | 0 | 1,940 | 3,000 | 5,000 | 12,000 | 2,500 | 5,000 |
| Distribution Actual Actual Actual Actual Actual Actual Budget B | Sub Total - Plant | 19,886 | 29,890 | 10,369 | 13,021 | 46,300 | 56,000 | 40,000 | 14,500 | 17,000 |
| Capital or Expense 0 0 7,674 0 60,000 5,000 35,000 18,000 5,1 System Map & Model Capital or Expense 2,115 0 0 7,949 0 <td< td=""><td></td><td>1</td><td></td><td></td><td></td><td>(</td><td></td><td></td><td></td><td>2020 Budget</td></td<> | | 1 | | | | (| | | | 2020 Budget |
| Capital or Expense 2,115 0 0 7,949 0 0 0 0 0 Meter Replacement 34,178 36,884 3,750 | | o | O | 7,674 | 0 | 60,000 | 5,000 | 35,000 | 18,000 | 5,000 |
| New Vehicles - Capital 0 23,997 0 0 0 40,000 30,000 0 Hydrant/Valve Replace Capital or Expense 0 4,747 0 0 4,800 9,000 9,000 9,000 9,000 9,000 9,000 9,000 9,000 9,000 9,000 9,000 9,0 | · · | 2,115 | 0 | 0 | 7,949 | 0 | 0 | 0 | 0 | 0 |
| Hydrant/Valve Replace Capital or Expense 0 4,747 0 0 4,800 4,000 1,500 3,60 1,500 3,60 1,500 1,500 1,500 <th< td=""><td>Meter Replacement</td><td>34,178</td><td>36,884</td><td>3,750</td><td></td><td></td><td></td><td></td><td></td><td></td></th<> | Meter Replacement | 34,178 | 36,884 | 3,750 | | | | | | |
| Capital or Expense 0 4,147 0 0 4,800 <t< td=""><td>New Vehicles - Capital</td><td>0</td><td>23,997</td><td>0</td><td>0</td><td>0</td><td>40,000</td><td>30,000</td><td>0</td><td>0</td></t<> | New Vehicles - Capital | 0 | 23,997 | 0 | 0 | 0 | 40,000 | 30,000 | 0 | 0 |
| or Expense 0 3,134 0 2,363 3,600 4,000 4,000 1,500 3,6 Main/Service Line Improvements - Capital 0 4,482 0 0 14,000 20,000 12,000 | | 0 | 4,747 | 0 | 0 | 4,800 | 4,800 | 4,800 | 4,800 | 4,800 |
| Improvements - Capital 0 4,482 0 0 14,000 20,000 12,000 0 Storage Tanks 0 4,209 197,044 0 0 0 0 94,000 92, Sub Total - Distribution 36,293 77,453 208,468 10,312 82,400 73,800 85,800 118,300 105 Office 2012 Actual 2013 Actual 2014 Actual 2015 Actual 2016 Budget 2017 Budget 2018 Budget 2019 Budget 2019 Bud | | 0 | 3,134 | 0 | 2,363 | 3,600 | 4,000 | 4,000 | 1,500 | 3,600 |
| Sub Total - Distribution 36,293 77,453 208,468 10,312 82,400 73,800 85,800 118,300 105 Office 2012 Actual 2013 Actual 2014 Actual 2015 Actual 2016 Budget 2017 Budget 2018 Budget 2019 Budget 2019 Budget< | | 0 | 4,482 | 0 | 0 | 14,000 | 20,000 | 12,000 | 0 | 0 |
| Office 2012 Actual 2013 Actual 2014 Actual 2015 Actual 2016 Actual 2017 Budget 2018 Budget 2019 Budget 2019 Budget <t< td=""><td>Storage Tanks</td><td>0</td><td>4,209</td><td>197,044</td><td>0</td><td>0</td><td>0</td><td>0</td><td>94,000</td><td>92,000</td></t<> | Storage Tanks | 0 | 4,209 | 197,044 | 0 | 0 | 0 | 0 | 94,000 | 92,000 |
| Office Equipment 4,150 2,279 0 0 0 2,000 2,000 3,000 3,000 | Sub Total - Distribution | 36,293 | 77,453 | 208,468 | 10,312 | 82,400 | 73,800 | 85,800 | 118,300 | 105,400 |
| Office Equipment 4,150 2,279 0 0 0 2,000 2,000 3,000 | | and Contact | | | 2220 | 1202-021 | 0.2012 | | | 2020 Budget |
| Sub - Total Office 4,150 2,279 0 0 0 2,000 2,000 3,000 3,000 | Office Equipment | 4,150 | 2,2 79 | 0 | 0 | 0 | 2,000 | 2,000 | 3,000 | 3,000 |
| | Sub - Total Office | 4,150 | 2,279 | 0 | 0 | 0 | 2,000 | 2,000 | 3,000 | 3,000 |
| | | | | | | | | | | |

| Total | 60,329 | 109,622 | 218,836 | 23,333 | 128,700 | 131,800 | 127,800 | 135,800 | 125,400 | |
|-------|--------|---------|---------|--------|---------|---------|---------|---------|---------|--|
|-------|--------|---------|---------|--------|---------|---------|---------|---------|---------|--|

FUNDED FROM AVAILABLE CASH IN REVENUE ACCOUNT

| Fredonia Road | 147,007 | | | | | | |
|---------------------------------|------------------------------|-----------------|---------|---------|---|---------|---------|
| Thiel | 5,694 | 11,217 | 209,000 | | | | |
| River Crossing (Partial) | 1,322 | 7,772 | 125,000 | 85,000 | | | |
| West Tank | 1,321 | 3,879 | 140,000 | 80,000 | | 306,000 | 250,000 |
| Brackin Alley** was not in 2015 | | 86,820 | 0 | | | | |
| Booster | | | 0 | 230,000 | | | |
| MONEY SPENT FROM SAVINGS | 155,344 P AG E 4 C | 109,688 0F 5 | 474,000 | 395,000 | 0 | 306,000 | 250,000 |

SUMMARY

1 **GREENVILLE WATER AUTHORITY**

| TE M | LE WATER AUTHORITY APPROVED 2016 BUDGET | HORITY AF | PROVED | 2016 BUD(| GET | | 02/11/20 | 20 |
|--------|---|-----------|---------|-----------|---------|---------|----------|----|
| 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | |
| vctual | Actual | Actual | Budget | Budget | Budget | Budget | Budget | |
| 9,712 | 0 | 0 | 0 | o | 0 | 0 | 0 | |
| 7,606 | 247,465 | 248,533 | 248,400 | 248,400 | 248,400 | 248,400 | 248,400 | |
| | | | | | | | T | |

| DEBT SFRVICE | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 0000 |
|-------------------------|--------|----------------|---------|----------|---------|---------|----------|---------|---------|
| | Actual | Actual | Actual | Actual | Budget | Budget | Budget | Budget | Budget |
| Pennvest Princ/Int | | | | | | | 5 | 0 | 50 |
| Hadiey Rd. Tank | 34,588 | 19,712 | 0 | С | c | c | ¢ | c | c |
| Paid Off July 2013 | | <u>,</u> | |) | , | • | . | > | 5 |
| Pennvest Princ/Int Dist | C T | | | | | 00000 | | | |
| improvement | 138 | 27,606 | 247,465 | 248,533 | 248,400 | 248,400 | 248,400 | 248,400 | 248,400 |
| | | | | | | | | Ī | |
| USB Bonds Princ/Int | 61.268 | <u>978 678</u> | 000 554 | 000 200 | 001 000 | | | 100 | |
| Pay Off September 2024 | | | F00,004 | 000' /07 | 285,585 | 284,988 | 290,988 | 280,588 | 289,713 |
| Hospital Princ/Int | | | | | | | | | |
| Pay Off January 2012 | 1,875 | 1,875 | 0 | 0 | 0 | Ö | 0 | 0 | 0 |
| | | | | | | | | | |
| Total Debt. Service | 97,870 | 327,870 | 531,019 | 536,421 | 531,988 | 533,388 | 539,388 | 528,988 | 538,113 |
| | | | | | | ÷ | | | |

| SUMMARY | 2012 Actual | 2013 Actual | 2014 Actual | 2015 Actual | 2016 Budget | 2017 Budget | 2018 Budget | 2019 Budget | 2020 Buidet |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Revenues | 1,672,227 | 1,637,230 | 1,788,848 | 1,832,934 | 1,846,221 | 1,882,139 | 1,917,866 | | 1.991.408 |
| Expenses | 941,170 | 922,893 | 964,453 | 1,085,393 | 1,182,750 | 1,213,385 | 1,250,013 | | · · |
| Net Revenue | 731,057 | 714,337 | 824,395 | 747,541 | 663,472 | 668,754 | 667,853 | 665,519 | |
| Capital / Improvements | 60,329 | 109,622 | 218,836 | 23,333 | 128,700 | 131,800 | 127,800 | 135,800 | 125.400 |
| Debt. Service | 97,870 | 327,870 | 531,019 | 536,421 | 531,988 | 533,388 | 539,388 | 528,988 | 538,113 |
| Indenture Coverage | 7,47 | 2.18 | 1.55 | 1.39 | 1.25 | 1.25 | 1.24 | 1.26 | 1.23 |
| Balanced Budget +/- | 572,858 | 276,845 | 74,540 | 187,786 | 2,784 | 3,566 | 666 | 732 | 716 |
| When Calculating Indenture Coverage Divide Net Bevering the Data Sources | Ire Coverade | Divide Net Bo | | | | NET REVENUE | VENUE | | |

293,376 211,119 131,484 135,366 128,466 136,532 126,116 NOTE: The Actual & Budget Presentations EXCLUDE the \$428,402 Revenue received from the gas lease and \$602,793 ≥ 1.10 Debt Expense for PennVEST tank payoff in 2013 and \$135,526.00 PennVest Main Line Reimbursement in 2014. DEBT SERVICE When Calculating Indenture Coverage, Divide Net Revenue by Debt Service - Must Be No L(- 386,467 633,187 Available for Capital

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As unusual one-time events, including these, although more accurate, tends to distort year to year budget comparisons

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