# WAUWATOSA WATER UTILITY

**2018 BUDGET** 

## WAUWATOSA WATER UTILITY

### 2018 BUDGET TABLE OF CONTENTS

|   | Page |
|---|------|
| Budget Summary                                | 2    |
| Operating Budget Summary                      | 3    |
| Cash Summary                                  | 4    |
| Surplus Fund Analysis                         | 5    |
| Depreciation Expense narrative                | 6    |
| Depreciation Expense                          | 7    |
| Taxes narrative                               | 8    |
| Taxes   | 9    |
| Interest Expense narrative                    | 10   |
| Interest Expense                              | 11   |
| Source of Supply Expense narrative            | 12   |
| Source of Supply Expense                      | 13   |
| Pumping Expense narrative                     | 14   |
| Pumping Expense                               | 15   |
| Water Treatment Expense narrative             | 16   |
| Water Treatment Expense                       | 17   |
| Transmission & Distribution Expense narrative | 18   |
| Transmission & Distribution Expense           | 19   |
| Transmission & Distribution Expense narrative | 20   |
| Transmission & Distribution Expense           | 21   |
| Customer Accounts Expense narrative           | 22   |
| Customer Accounts Expense                     | 23   |
| Administrative & General Expense narrative    | 24   |
| Administrative & General Expense              | 25   |
| Non-Bonded Capital Expenditures               | 26   |
| Capital Expenditures                          | 27   |

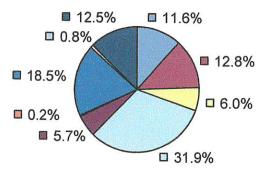
# WAUWATOSA WATER UTILITY BUDGET SUMMARY

|   | •                               |             |           |           | 2018                |
|---|---------------------------------|-------------|-----------|-----------|---------------------|
|   | 2015                            | 2016        | 2017      | 2017      | Executive           |
|   | Actual                          | Actual      | Original  | Estimated | Review              |
|   |                                 |             | -         |           |                     |
| Residential sales                                       | 3,756,578                       | 3,917,867   | 4,629,000 | 4,447,000 | 4,643,000           |
| Residential multi-family sales                          | 501, <del>44</del> 1            | 539,570     | 599,000   | 630,000   | 635,000             |
| Commercial sales  | 1,520,066                       | 1,477,968   | 1,726,000 | 1,768,000 | 1,813,000           |
| Industrial sales  | 270,368                         | 344,078     | 321,000   | 339,000   | 392,000             |
| Public authority sales                                  | 205,505                         | 204,875     | 230,000   | 235,000   | 247,000             |
| Total Metered Sales                                     | 6,253,958                       | 6,484,358   | 7,505,000 | 7,419,000 | 7,730,000           |
| Public fire protection                                  | 903,631                         | 923,887     | 1,106,000 | 1,002,500 | 1,037,000           |
| Other water revenues                                    | 472,051                         | 505,522     | 488,114   | 484,895   | 499,958             |
| Misc amortization                                       | 122,200                         | 122,200     | 122,200   | 122,200   | 122,200             |
| Interest income   | 4,309                           | 9,752       | 8,000     | 24,800    | 24,600              |
| Customer contributions                                  | 1,248,977                       | 876,250     | 3,000     | 3,000     | 3,000               |
| Total revenues  | 9,005,126                       | 8,921,969   | 9,232,314 | 9,056,395 | 9,416,758           |
|   | - <b>,</b> · · · <b>,</b> · · · | .,,.        |           | -,,       | -, ,                |
|   |                                 |             |           |           |                     |
| Depreciation  | 870,353                         | 962,055     | 979,000   | 1,015,000 | 1,029,000           |
| Taxes   | 914,415                         | 1,056,743   | 1,081,876 | 1,067,287 | 1,096,463           |
| Interest expense  | 440,736                         | 559,726     | 502,463   | 597,786   | 552,292             |
| Source of supply expense                                | 2,525,796                       | 2,590,453   | 2,692,360 | 2,625,360 | 2,703,360           |
| Pumping expense   | 392,597                         | 424,077     | 479,085   | 457,004   | 459,300             |
| Water treatment expense                                 | 5,419                           | 7,344       | 13,093    | 13,093    | 6,500               |
| Transmission and distribution expense                   | 1,355,971                       | 1,309,223   | 1,561,481 | 1,503,729 | 1,660,823           |
| Customer accounts expense                               | 76,929                          | 74,930      | 66,643    | 65,281    | 81,120              |
| Administration and general expense                      | 1,025,030                       | 1,037,918   | 1,056,099 | 1,060,683 | 1,019,182           |
| Harrimon addit deta goriorat experies                   | 1,020,000                       | 1,001,010   | 1,000,000 | 1,555,555 | 1,0,0,102           |
| Total expenses  | 7,607,246                       | 8,022,469   | 8,432,100 | 8,405,223 | 8,608,040           |
| 1 Gast Oxportion  |                                 |             |           |           |                     |
| Net income (loss) - Accrual basis                       | 1,397,880                       | 899,500     | 800,214   | 651,172   | 808,718             |
| Troc mounto (1000) - 7 tool day baloa                   | 1,007,000                       | 005,000     | 000,E14   | 001,,,2   | 005,110             |
| Less -  |                                 |             |           |           |                     |
| Revenue bond principal payments                         | 625,000                         | 650,000     | 900,000   | 900,000   | 850,000             |
| Non-bonded capital expenditures                         | 020,000                         | 0           | 92,500    | 100,500   | 54,000              |
| 14011-portace capital experiences                       |                                 | <del></del> | 02,000    | 100,300   | <del>- 54,000</del> |
|   | 772,880                         | 249,500     | -192,286  | -349,328  | -95,282             |
| Adjustment for non-cash/non-                            | 772,000                         | 240,000     | -102,200  | -040,020  | -00,202             |
| income statement items                                  | -3,097,079                      | 2,934,619   | 38,018    | 1,084,514 | 535,390             |
| income statement items                                  | -0,031,013                      | 2,004,010   | 30,010    | 1,007,214 | 333,390             |
| Change in cash  | -2,324,199                      | 3,184,119   | -154,268  | 735,186   | 440,108             |
| Officinge in cash                                       | -2,024,100                      | 3,104,115   | -10-1,200 | 700,100   | 770,100             |
| Rate of return  | 2.20%                           | 1.99%       | 4.53%     | 3.89%     | 4.23%               |
|   |                                 |             |           |           |                     |
| Coverage ratio  | 1.97                            | 1.73        | 2.31      | 2.26      | 2.12                |
|   |                                 |             |           |           |                     |
| Assessment majoritanika postal svatini svenika – k. 221 | 400.00                          | 400.00      | 400.47    | 404.60    | 400 27              |
| Average quarterly residential water bill                | 102.06                          | 102.06      | 122.47    | 121.82    | 125.47              |
| Amount change in quarterly water bill                   | 2.91                            | 0.00        | 20.41     | 19.76     | 3.65                |
| Percent change in quarterly water bill                  | 2.90%                           | 0.00%       | 20.00%    | 19.36%    | 3.00%               |

# WAUWATOSA WATER UTILITY OPERATING BUDGET SUMMARY

|                                       | Adopted 2017  | 2018   | Percentage<br>Change |
|---------------------------------------|---|--|----------------------|
| *                                     |   |  |                      |
| Total revenues                        | 9,232,314   | 9,416,758  |                      |
|                                       |   |  |                      |
| Depreciation                          | 979,000   | 1,029,000  | 5.1%                 |
| Taxes                                 | 1,081,876   | 1,096,463  | 1.3%                 |
| Interest expense                      | 502,463   | 552,292  | 9.9%                 |
| Source of supply expense              | 2,692,360   | 2,703,360  | 0.4%                 |
| Pumping expense                       | 479,085   | 459,300  | -4.1%                |
| Water treatment expense               | 13,093  | 6,500  | -50.4%               |
| Transmission and distribution expense | 1,561,481   | 1,660,823  | 6.4%                 |
| Customer accounts expense             | 66,643  | 81,120   | 21.7%                |
| Administration and general expense    | 1,056,099   | 1,019,182  | -3.5%                |
| Total expenses                        | 8,432,100   | 8,608,040  | 2.1%                 |
|                                       |   |  |                      |
| Net income (loss)                     | 800,214   | 808,718  |                      |
|                                       | A Description of the Control of the | The same of the sa |                      |





### Depreciation

### **■**Taxes

### ☐Interest expense

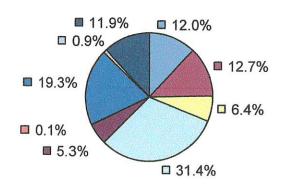
### □Source of supply expense

### ■Pumping expense

### ■Water treatment expense

### Transmission and distribution expense

### 2018 Total Expenses



### ■ Depreciation

### **■**Taxes

### □Interest expense

### □Source of supply expense

### ■Pumping expense

### Water treatment expense

### Transmission and distribution expense

- □Customer accounts expense
- Administration and general expense

<sup>■</sup>Customer accounts expense

Administration and general expense

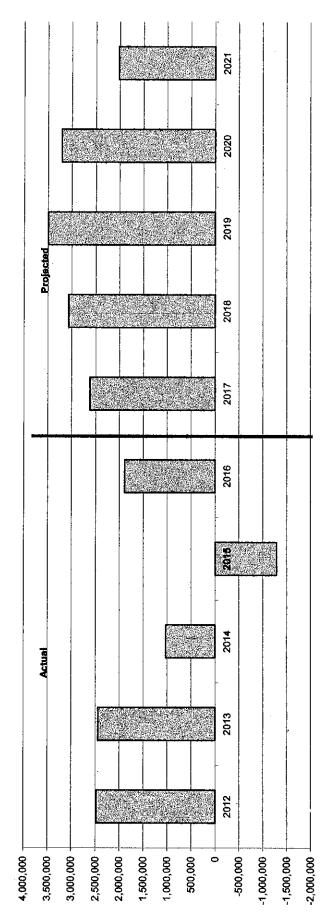
# WAUWATOSA WATER UTILITY CASH SUMMARY

|                              | 2015       | 2016      | 2017      | 2017       | 2018<br>Executive |
|------------------------------|------------|-----------|-----------|------------|-------------------|
|                              | Actual     | Actual    | Original  | Estimated  | Review            |
| General Cash                 |            |           |           |            |                   |
| Balance - beginning of year  | 1,509,776  | -814,423  | 2,335,630 | 2,369,696  | 3,104,882         |
| Balance - end of year        | -814,423   | 2,369,696 | 2,181,362 | 3,104,882  | 3,544,990         |
| Change in cash               | -2,324,199 | 3,184,119 | -154,268  | 735,186    | 440,108           |
| Special Redemption Fund Cash |            |           |           |            |                   |
| Balance - beginning of year  | 1,953,750  | 1,968,200 | 2,516,964 | 2,516,964  | 2,434,798         |
| Balance - end of year        | 1,968,200  | 2,516,964 | 2,434,796 | 2,434,796  | 2,426,627         |
| Change in cash               | 14,450     | 548,764   | -82,168   | -82,168    | -8,169            |
| System Improvement Fund      |            |           |           | •          |                   |
| Balance - beginning of year  | 808,837    | 0         | 0         | O          | 4,500,000         |
| Balance - end of year        | 0          | 0         | 0         | 4,500,000  | 0                 |
| Change in cash               | -808,837   | 0         | 0         | 4,500,000  | -4,500,000        |
| Total Cash                   |            |           |           |            |                   |
| Balance - beginning of year  | 4,272,363  | 1,153,777 | 4,852,594 | 4,886,660  | 10,039,678        |
| Balance - end of year        | 1,153,777  | 4,886,660 | 4,616,158 | 10,039,678 | 5,971,617         |
| Change in cash               | -3,118,586 | 3,732,883 | -236,436  | 5,153,018  | -4,068,061        |
| Non bonded capital projects  |            |           |           |            |                   |
| funded by surplus            |            | 0         | 92,500    | 100,500    | 54,000            |
|                              |            |           |           |            |                   |

# WAUWATOSA WATER UTILITY Surplus Fund Analysis

| 2021 | Estimated | 3,212,454                   | 2,023,058             | -1,189,396        |
|------|-----------|-----------------------------|-----------------------|-------------------|
| 2020 |           |                             |                       | -285,392          |
| 2019 | Estimated | 3,064,990                   | 3,497,846             | 432,856           |
| 2018 | Estimated | 2,624,882                   | 3,064,990             | 440,108           |
| 2017 | Estimated | 1,889,696                   | 2,624,882             | 735,186           |
| 2016 | Actual    | -1,294,423                  | 1,889,696             | 3,184,119         |
|      |           |                             | اسد                   | -2,324,199        |
|      |           |                             |                       | -1,417,670        |
| 2013 | Actual    | 2,481,090                   | 2,447,446             | -33,644           |
| 2012 | Actual    | 2,076,462                   | 2,481,090             | 404,628           |
|      |           | Balance - beginning of year | Balance - end of year | Change in surplus |

# WAUWATOSA WATER UTILITY - SURPLUS FUND ANALYSIS



2014 includes painting of Glenview water tower - 1,253,019
2015 includes contract payments which were reimbursed with 2016 bond funds
2020 includes painting of Potter Rd tank - 650,000
2021 includes painting of Burleigh tank - 1,650,000

### ACCOUNT: 403, 426 Depreciation Expense

MISSION: To depreciate utility plant over service lives established by the Public Service Commission of Wisconsin.

**COMMENTARY:** During 2018, the utility plans to replace aged water mains associated with the Village Redevelopment Phase III and City Hall South.

Utility plant is depreciated under the straight line method at rates established by the Public Service Commission of Wisconsin.

Service lives are as follows:

**Buildings and Improvements** 

31 Years

**Improvements Other Than Buildings** 

Utility Distribution System Machinery and Equipment

18 to 77 years 4 to 23 years

**Water Main Improvements** 

| Year     | Utility        | CDBG           | Privately |                 |                |
|----------|----------------|----------------|-----------|-----------------|----------------|
|          | Funded         | Funded         | Funded    | TIF             | Total          |
| 2017 est | 2,126,000      | 0              | 0         | 516,000         | 2,642,000      |
| 2016     | 938,077        | 0              | 205,468   | 881,697         | 2,025,242      |
| 2015     | 2,657,160      | 0              | 1,853,228 | 1,648,674       | 6,159,062      |
| 2014     | 524,378        | 0              | 270,980   | 21,827          | 817,185        |
| 2013     | 1,516,198      | 0              | 12,650    | 2,010,666       | 3,539,514      |
| 2012     | 2,520,837      | 140,704        | 199,672   | 583,888         | 3,445,101      |
| 2011     | 1,635,696      | 123,121        | 414,510   | 1,112,286       | 3,285,613      |
| 2010     | 1,259,294      | 83,683         | 101,681   | 153,930         | 1,598,588      |
| 2009     | 210,842        | 103,274        | 308,534   | 52,716          | 675,366        |
| 2008     | <u>132,444</u> | <u>105,157</u> | Ō         | <u> 186,126</u> | <u>423,727</u> |
|          | 13,520,926     | 555,939        | 3,366,723 | 7,167,810       | 24,611,398     |

### WATER DEPARTMENT - DEPRECIATION EXPENSE

| 2015<br>Actual | 2016<br>Actual | Account / Function                                       | 2017<br>Original | 2017<br>Estimated | 2018<br>Executive<br>Review | %<br>Change |
|----------------|----------------|--|------------------|-------------------|-----------------------------|-------------|
| 654,702        | 735,841        | 403 Depreciation  Depreciation -  Utility financed plant | 751,000          | 787,000           | 799,000                     | 6.4%        |
| 215,651        | 226,214        | <b>426 Depreciation</b> Depreciation - contributed plant | 228,000          | 228,000           | 230,000                     | 0.9%        |
| 870,353        | 962,055        | Total Depreciation                                       | 979,000          | 1,015,000         | 1,029,000                   | 5.1%        |

### **ACCOUNT: 408 Taxes**

**COMMENTARY:** Taxes are comprised of the tax equivalent (408-2), remainder assessment (408-3), and social security taxes on employee's wages (408-1).

The tax equivalent is a charge paid to the City which is calculated using the current year assessment ratio and tax rate and applying that to the total value of utility plant, construction work in progress and inventory of materials and supplies as of January 1. Per State of Wisconsin Assembly Bill 150, the tax equivalent shall not be less than the amount calculated in 1994 and paid in 1995. The minimum amount paid to the City is \$491,637. Beginning in 2007 the calculated amount exceeded the minimum. The expense for 2016 was \$987,755. The estimate for 2018 is \$1,014,800.

The remainder assessment is a charge based on annual revenue, which is levied on all utilities to help fund the Public Service Commission of Wisconsin. The negative amounts in account 408-1 represents reimbursement of social security taxes applicable to wages charged to meter expense accounts. The negative amounts in account 408-2 represents reimbursement of the tax equivalent applicable to meter utility plant.

### **WATER DEPARTMENT - TAXES**

|         |           |                             |           |           | 2018      |              |
|---------|-----------|-----------------------------|-----------|-----------|-----------|--------------|
| 2015    | 2016      | ·                           | 2017      | 2017      | Executive | %            |
| Actual  | Actual    | Account / Function          | Original  | Estimated | Review    | Change       |
|         |           | 408-1 Social security taxes |           |           |           | <del>-</del> |
| 89,270  | 90,484    | FICA taxes                  | 101,376   | 101,376   | 102,937   | 1.5%         |
| -10,538 | -10,134   | Charge to sanitary sewer    | -10,000   | -10,000   | -10,000   | 0.0%         |
|         |           | 408-2 Tax equivalent        |           |           |           |              |
| 848,899 | 987,755   | Tax equivalent              | 1,001,700 | 986,600   | 1,014,800 | 1.3%         |
| -19,798 | -19,038   | Charge to sanitary sewer    | -19,000   | -19,000   | -20,000   | 5.3%         |
|         |           | 408-3 Remainder assessment  |           |           |           |              |
| 6,582   | 7,676     | PSC assessment              | 7,800     | 8,311     | 8,726     | 11.9%        |
| 914,415 | 1,056,743 | Total Taxes                 | 1,081,876 | 1,067,287 | 1,096,463 | 1.3%         |

### ACCOUNT: 427, 428 Interest Expense

**COMMENTARY:** The Utility has \$15,500,000 in Waterworks System Revenue Bonds outstanding at 12-31-17. Interest expense (427) represents interest accrued on those bonds outstanding. Amortization expense (428) represents current year bond issuance expenses. Amortization expense (429) represents amortization of bond premium on the 2010, 2011, and 2016 bond issues and is amortized over the life of the debt.

In 2018, interest expense decreases 7.6% or \$45,494.

|   | Date of     | Interest  | Principal          | Interest             | Original      | Balance           |
|---|-------------|-----------|--------------------|----------------------|---------------|-------------------|
| Type                                    | <u>Loan</u> | Rate      | <u>Payable</u>     | <u>Payable</u>       | <u>Amount</u> | <u>12/31/2017</u> |
| Waterworks System                       |             |           |                    |                      |               |                   |
| Revenue Bonds                           | 10/5/10     | 3.0-4.0   | 1/1/11 <b>-2</b> 9 | 1/1 <b>&amp;7</b> /1 | 7,750,000     | 6,175,000         |
|   | 11/29/11    | 2.0-3.0   | 1/1/13-22          | 1/1&7/1              | 2,400,000     | 1,325,000         |
|   | 11/19/13    | 3.0-4.125 | 1/1/15-34          | 1/1&7/1              | 4,575,000     | 4,000,000         |
|   | 6/21/16     | 2.0-3.0   | 1/1/17-36          | 1/1&7/1              | 4,225,000     | 4,000,000         |
|   |             | 1.25-3.25 | 1/1/19-37          | 1/1&7/1              | 3,000,000     | 3,000,000         |
|   |             |           |                    |                      |               | 18,500,000        |
| Less: Current portion of long-term debt |             |           |                    |                      |               |                   |
|   |             |           |                    |                      |               |                   |
|   |             |           |                    |                      |               | <u>17,650,000</u> |

### WATER DEPARTMENT - INTEREST EXPENSE

| 2015     | 2016     |                                | 2017     | 2017      | 2018<br>Executive | %        |
|----------|----------|--------------------------------|----------|-----------|-------------------|----------|
| Actual   | Actual   | Account / Function             | Original | Estimated | Review            | Change   |
| , ioidaí | , (0144) | 427 Interest expense           | Ongilial | Lottmatod | 11041014          | Ollarige |
| 440,300  | 483,068  | Interest on outstanding bonds  | 514,269  | 526,592   | 563,832           | 9.6%     |
| 11,329   | 10,571   | interest on G O refunding debt | 9,678    | 9,678     | 8,672             | -10.4%   |
|          |          | 428 Amortization expense       |          |           |                   |          |
| 0        | 82,879   | Bond discount and expense      | 0        | 83,000    | 0                 |          |
|          |          | 429 Amortization expense       |          |           |                   |          |
| -10,893  | -16,792  | Amortization of bond premium   | -21,484  | -21,484   | -20,212           | -5.9%    |
| 440,736  | 559,726  | Total Interest Expense         | 502,463  | 597,786   | 552,292           | 9.9%     |

### ACCOUNT: 600 Source of Supply Expense

MISSION: Purchase high quality treated surface water from a dependable supplier that can be distributed to our customers in ample amounts that satisfy residential, industrial, and commercial demands in addition to providing adequate fire protection for the City of Wauwatosa.

**PROGRAM NARRATIVE:** The primary expenditure is the purchase of water directly from the Milwaukee Water Works (602). The utility also reimburses the County for our residents that are serviced via the County's water main.

**COMMENTARY:** 2018 estimated purchased water consumption is 1,683,000 thousand gallons. This amount reflects the downward trend in residential and industrial consumption over the last few years.

|           | Gallons Purchased |             | Non-Revenue |
|-----------|-------------------|-------------|-------------|
| Year      | (in thousands)    | Cost        | Water       |
| 2017 est. | 1,662,834         | \$2,625,000 | 15%         |
| 2016      | 1,699,620         | 2,590,063   | 17%         |
| 2015      | 1,670,858         | 2,525,487   | 16%         |
| 2014      | 1,632,805         | 2,226,667   | 16%         |
| 2013      | 1,634,919         | 2,126,335   | 11%         |

### Effect on average quarterly residential water bill

November 2016 Wauwatosa conventional rate increase of 19.4%

June 2015 Wauwatosa simplified rate increase of 2.9 %

November 2014 Pass through Milwaukee conventional rate increase of 2.8%

June 2014 Pass through Milwaukee simplified rate increase of 0.8%

June 2013 Pass through Milwaukee simplified rate increase of 0.9%

March 2013 Wauwatosa conventional rate increase of 19.7%

### WATER DEPARTMENT - SOURCE OF SUPPLY EXPENSE

|           |           |                                |           |           | 2018      |        |
|-----------|-----------|--------------------------------|-----------|-----------|-----------|--------|
| 2015      | 2016      |                                | 2017      | 2017      | Executive | %      |
| Actual    | Actual    | Account / Function             | Original  | Estimated | Review    | Change |
|           |           | 602 Purchased water            |           |           |           | •      |
| 2,525,487 | 2,590,063 | Purchased water from Milwaukee | 2,692,000 | 2,625,000 | 2,703,000 | 0.4%   |
|           |           | 603 Misc expense               |           |           |           |        |
| 309       | 390       | Electricity                    | 360       | 360       | 360       | 0.0%   |
| 2,525,796 | 2,590,453 | Total Source of Supply Expense | 2,692,360 | 2,625,360 | 2,703,360 | 0.4%   |

### ACCOUNT: 620, 630 Pumping Expense

MISSION: Develop water pumping schemes, maintain surplus capacities and select the most cost efficient ways to distribute water throughout the entire city twenty-four hours a day, seven days a week to meet the demands of our customers. Maintain attractive and structurally sound water facilities and grounds.

**PROGRAMS:** Supervisory Control and Data Acquisition (SCADA) system operations (624), water pumping stations operational and maintenance issues (626, 631), generator power availability (621, 632).

**PROGRAM NARRATIVE:** The SCADA system facilitates automatic monitoring and control of the operations of the water system's remote facilities. This cost effective control system allows the utility to reduce our labor expense while automatically operating the system.

### PERSONNEL:

| Position Title             | 2017 FTE | <u>2018 FTE</u> |
|----------------------------|----------|-----------------|
| Control Systems Technician | 1        | 1               |
| Operator Technician        | 2        | 2               |

### PERFORMANCE INDICATORS:

- Ability to deliver an adequate supply of water to meet the needs of our customers
- Generators are tested monthly and operational for use during electrical outages
- Well maintained grounds

COMMENTARY: The City currently operates four water pumping stations throughout the City in order to distribute drinking water at appropriate pressures throughout the City. All four stations have been evaluated in 2017 in order to determine what electrical and mechanical improvements or replacements are needed at this time. Much of the electrical equipment is original to the stations, which were built in 1964-65. Generators have been added to two of the stations, however, both are well past their useful life and we are in need of a generator at one of the remaining sites. Costs include Motor Control Center Replacements, Transformer Replacements, Generator Replacements or additions, and the addition of Variable Frequency Drives at all three major stations. Pumps and motors are in need of replacement or rehabilitation at all stations as well. Costs are broken down as follows and include a 30% design, administration, and contingency: 64th Street Station-\$1,001,500, Blanchard Street Station-\$741,600, Potter Road Station-\$917,750, Glenview-\$19,500. (all based on Ruekert & Mielke report, June 2017)

### WATER DEPARTMENT - PUMPING EXPENSE

|         | •       |  |          |           | 2018      |               |
|---------|---------|--|----------|-----------|-----------|---------------|
| 2015    | 2016    |  | 2017     | 2017      | Executive | %             |
| Actual  | Actual  | Account / Function                     | Original | Estimated | Review    | Change        |
|         |         | 621 Fuel                               |          |           |           | _             |
| 392     | 962     | Fuel for mobil generators              | 900      | 900       | 900       | 0.0%          |
|         |         | 623 Power purchased                    |          |           |           |               |
| 130,527 | 121,299 | Electricity                            | 145,688  | 145,688   | 148,000   | 1.6%          |
|         |         | 624 Pumping labor & exp                |          |           |           |               |
| 180,145 | 174,968 | Wages                                  | 195,896  | 195,896   | 205,051   | 4.7%          |
| 6,398   | 13,957  | Overtime                               | 7,300    | 7,300     | 7,401     | 1.4%          |
| 11,217  | 10,459  | Equipment rent                         | 10,941   | 10,860    | 14,107    | 28.9%         |
| 463     | 1,450   | Telephone                              | 940      | 940       | 940       | 0.0%          |
| 7,873   | 7,422   | Heat                                   | 14,255   | 14,255    | 12,000    | -15.8%        |
| 176     | 881     | Supplies                               | 1,100    | 1,100     | 1,100     | 0.0%          |
|         |         | 626 Misc expense                       |          |           |           |               |
| 3,194   | 3,610   | Lawn mowing                            | 3,095    | 3,095     | 3,938     | 27.2%         |
| 2,630   | 2,924   | Storm water charges                    | 3,320    | 3,320     | 3,513     | 5.8%          |
|         |         | 631 Maint of pump buildings            |          |           |           |               |
| 3,390   | 4,727   | Contract labor and materials           | 4,500    | 4,500     | 4,500     | ρ.0%          |
| 5,850   | 5,540   | Supplies                               | 8,700    | 8,700     | 8,700     | 0.0%          |
| 0       | 9,685   | Metal door and frame replacements (4)  | 0        | 0         | 0         |               |
|         |         | 632 Maint of power prod eq             |          |           |           |               |
| 6,052   | 9,629   | Contract labor and materials           | 8,150    | 8,150     | 8,150     | 0.0%          |
| 0       | Ó       | N 64th St Transfer Switch              | 22,000   | 0         | 0         | -100.0%       |
|         |         | 633 Maint of pumping equip             |          |           |           |               |
| 4,615   | 3,410   | Contract labor and materials           | 17,800   | 17,800    | 6,000     | <b>-66.3%</b> |
| 24,980  | 0       | Blanchard - DeZurik valve replacements | . 0      | - 0       | 0         |               |
| 0       | 44,940  | Potter - pump repairs                  | 0        | 0         | 0         |               |
| 0       | 0       | Valve replacements                     | 32,000   | 32,000    | 30,000    | -6.3%         |
| 4,695   | 8,214   | Supplies                               | 2,500    | 2,500     | 5,000     | 100.0%        |
| 392,597 | 424,077 | Total Pumping Expense                  | 479,085  | 457,004   | 459,300   | -4.1%         |

### ACCOUNT: 640 Water Treatment Expense

MISSION: To remain in compliance with the rules and regulations as established by the United States Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (DNR).

**PROGRAMS:** Annually publish the Consumer Confidence Report, monthly water samples. Establish a baseline of water quality purchased through the use of on-line monitoring panels at our pumping stations.

**PROGRAM NARRATIVE:** The EPA requires each water provider publish and distribute a Consumer Confidence Report annually (643).

### **PERFORMANCE INDICATORS:**

- Publish and distribute the Consumer Confidence Report before July 1, 2018.
- Establish baseline water quality data for supply entering the pumping stations through the use of water distribution monitoring panels.
- Lead and Copper testing in compliance with EPA requirements.

**COMMENTARY:** During 2018, the Water Utility will continue to monitor water quality by performing required monthly bacteriological samples throughout the water distribution system.

### WATER DEPARTMENT - WATER TREATMENT EXPENSE

| 2045   | 2040   |                                    | 2017     | 2017      | 2018<br>Executive | %           |
|--------|--------|------------------------------------|----------|-----------|-------------------|-------------|
| 2015   | 2016   |                                    |          |           |                   |             |
| Actual | Actual | Account / Function                 | Original | Estimated | Review            | Change      |
|        |        | 643 Misc water treatment exp       |          |           |                   |             |
| 0      | 0      | Water sample testing               | 6,500    | 6,500     | 0                 | -100.0%     |
| 943    | 233    | Publish & distribute water quality | 1,500    | 1,500     | 1,500             | 0.0%        |
|        | •      | report                             | •        | ·         | •                 |             |
| 4,476  | 4,749  | Distribution monitor panels        | 5,093    | 5,093     | 5,000             | -1.8%       |
| 0      | 2,362  | ph probes (3)                      |          | 0         | 0                 | <del></del> |
| 5,419  | 7,344  | Total Water Treatment Expense      | 13,093   | 13,093    | 6,500             | -50.4%      |

### ACCOUNT: 660, 670 Transmission & Distribution Expense

MISSION: Supply our customers with an adequate volume of high quality water. Ensure our water quality is safe for consumption. Repair and maintain the utility's water distribution system and water storage facilities with minimal interruption of services. Accurately meter and document water usage by our customers in accordance with the Public Service Commission guidelines.

**PROGRAMS:** Preventative maintenance prior to paving, repair broken water mains, gate valve maintenance, repair service laterals and curb stops, Digger's Hotline marking, meter services, meter testing and repair, distribution system records, water storage facilities maintenance, conduct hydrant inspections, repair or replace defective fire hydrants, hydrant painting, seasonal hydrant flushing, leak survey and other construction related activities. Our Operator Technicians collect over fifty water samples each month as mandated by the DNR for bacteriological testing.

**PROGRAM NARRATIVE:** The Water Maintenance staff provides valuable services to maintain the integrity of the water distribution system. The staff develops expertise in repairs and maintenance of the water distribution system when responding to broken water mains (673), service lateral failures (675), and fire hydrant maintenance (677).

Our clerical staff schedules appointments for the Meter Service staff to upgrade and exchange water meters with our new Advanced Metering Infrastructure (AMI) technology. Our water meter testing program remains in compliance with the PSC standard guidelines.

The Utility preventative maintenance program evolves around the City's annual street paving and sealing program. Leak surveying (662) identifies existing non-surfacing water leaks so repairs can be made prior to the start of paving. Standard practices include having our Water Maintenance staff locate, mark and make operable all water main valves, hydrant valves, fire hydrants and service line valves to insure they are available for emergency use prior to paving.

### PERSONNEL:

| Position Title           | <u>2017 FTE</u> | <u>2018 FTE</u> |
|--------------------------|-----------------|-----------------|
| Water Maintenance Worker | 7               | 7               |
| Water Maintenance II     | 2               | 2               |
| Meter Service Person     | 2               | 1               |
| Meter Repair Person      | 1               | 1               |
| Seasonal Laborer         | .38             | .38             |

### **PERFORMANCE INDICATORS:**

- Repair and maintain water distribution system in a timely manner to ensure system reliability for our customers
- Preventative maintenance completed prior to paving
- Fire hydrant inspections on a two year cycle per DNR regulations
- Gate valve operations once every five years per DNR regulations
- Meter testing program compliance with PSC guidelines
- Dead end hydrant flushing program meeting DNR recommendations
- 100% compliance with the EPA and DNR requirements for water sampling

### WATER DEPARTMENT - TRANSMISSION & DISTRIBUTION EXPENSE

|                     |         |                                      |          |                     | 2018      |         |
|---------------------|---------|--------------------------------------|----------|---------------------|-----------|---------|
| 2015                | 2016    |                                      | 2017     | 2017                | Executive | %       |
| Actual              | Actual  | Account / Function                   | Original | Estimated           | Review    | Change  |
|                     |         | 661 Storage facilities exp           |          |                     |           |         |
| 3,600               | 3,621   | Operate aviation lights on Burleigh  | 4,424    | 4,424               | 4,000     | -9.6%   |
|                     |         | and Feerick tanks and electric       |          |                     |           |         |
|                     |         | heaters in valve vaults              |          |                     |           |         |
|                     |         | 662 Trans & dist line exp            |          |                     |           | -       |
| 50,125              | 14,581  | Wages                                | 95,950   | 95,950              | 39,000    | -59.4%  |
| 531                 | 242     | Overtime                             | 3,369    | 3,369               | 3,417     | 1.4%    |
| 2,964               | 2,887   | Equipment rent                       | 3,530    | 3,344               | 3,381     | -4.2%   |
| 7,964               | 8,412   | Supplies                             | 5,675    | 5,675               | 8,000     | 41.0%   |
| 4,490               | 1,911   | Electricity                          | 1,760    | 1,760               | 1,760     | 0.0%    |
| 1,537               | 1,625   | Water sample tests                   | 9,500    | 9,500               | 9,500     | 0.0%    |
| 16,786              | 5,601   | GRAEF modeling                       | 5,000    | 5,000               | 5,000     | 0.0%    |
| 2,003               | 3,056   | GIS field internet access/phone      | 2,250    | 2,250               | 5,000     | 122.2%  |
| 2,057               | 3,374   | Diggers hotline expense              | 9,040    | 9,040               | 10,000    | 10.6%   |
|                     |         | 663 Meter expense                    |          |                     |           |         |
| 60,372              | 63,849  | Wages                                | 58,880   | 58,880              | 63,284    | 7.5%    |
| 13,690              | 16,074  | Equipment rent                       | 13,959   | 15,081              | 17,983    | 28.8%   |
| 13,062              | 18,983  | Contract large meter testing         | 17,000   | 17,000              | 17,340    | 2.0%    |
| 5,902               | 0       | Supplies                             | 5,000    | 5,000               | 5,000     | 0.0%    |
| <del>-4</del> 6,513 | -49,453 | Charge to sanitary sewer             | -47,420  | <del>-4</del> 7,981 | -51,804   | 9.2%    |
|                     |         | 664 Customer installation exp        |          |                     |           |         |
| 1,823               | 2,042   | Equipment rent                       | 1,726    | 1,821               | 1,830     | 6.0%    |
| 0                   | Ø       | Supplies                             | 160      | 160                 | 100       | -37,5%  |
| 10,405              | 0       | Contract services - cross connection | 14,500   | 34,500              | 14,500    | 0.0%    |
|                     |         | 665 Misc expense                     |          |                     |           |         |
| 0                   | 1,627   | Wages                                | 4,000    | 4,000               | 38,923    | 873,1%  |
| 3,000               | 4,429   | GIS                                  | 3,000    | 3,000               | 3,000     | 0.0%    |
|                     |         | 666 Rent - public works              |          |                     |           |         |
| 17,172              | 14,861  | Rent                                 | 14,935   | 14,935              | 15,757    | 5.5%    |
|                     |         | 672 Reservoir maintenance            |          |                     |           |         |
| 2,200               | 2,300   | Cathodic protection                  | 5,225    | 5,225               | 5,330     | 2.0%    |
| 8,659               | 16,338  | Reservoir maintenance                | 19,000   | 19,000              | 19,000    | 0.0%    |
|                     |         | Amortization of painting -           |          | •                   |           |         |
| 251,418 ·           | 251,161 | Glenview tank                        | 252,000  | 252,000             | 252,000   | 0.0%    |
|                     |         | Tank inspections -                   |          |                     | •         |         |
| 2,800               | 0       | N 64th Street                        | . 0      | 0                   | 0         | ,       |
| 0                   | 3,000   | Alice Street                         | 0        | 0                   | 0         |         |
| 0                   | 0       | Feerick elevated tower               | 9,000    | 0                   | 9,000     | 0.0%    |
| 0                   | 0       | Potter Rd                            | 3,000    | 3,050               | 0         | -100.0% |
| 0                   | 0       | County elevated tower                | 0        | 2,825               | 0         |         |
| 0                   | 0       | Burleigh elevated tower              | 0        | 0                   | 3,450     |         |
| Q                   | 4,500   | Potter Rd - power wash exterior      | 0        | 0                   | 0         |         |
| 0                   | 0       | Alice St - power wash exterior       | 0        | 0                   | 6,000     |         |

ACCOUNT: 660, 670 Transmission & Distribution Expense (continued)

| Account | Description                | Unit | 2013      | 2014      | 2015      | 2016      |
|---------|----------------------------|------|-----------|-----------|-----------|-----------|
|         | Water main - total system  | Feet | 1,069,258 | 1,070,228 | 1,073,811 | 1,074,644 |
|         | Water main - replaced      | Feet | 7,450     | 0         | 7,925     | 6,608     |
|         | Water main - new           | Feet | 9,711     | 970       | 3,511     | 0         |
| 673     | Water main breaks*         | Each | 77        | 147       | 63        | 42        |
| 673     | Valves repaired            | Each | 19        | 15        | 10        | 10        |
| 673     | Valves replaced            | Each | 6         | 9         | 9         | 5         |
| 675     | Water service repairs      | Each | 24        | 27        | 30        | 47        |
| 677     | Fire hydrants - total      | Each | 2,163     | 2,166     | 2,192     | 2,197     |
| 677     | Fire hydrants - replaced   | Each | . 7       | 6         | 9         | 18        |
| 677     | Fire hydrants - repaired   | Each | 38        | 24        | 14        | 46        |
| 677     | Fire hydrants - flushed    | Each | 294       | 264       | 264       | 265       |
|         | Water service laterals     | Each | 15,513    | 15,515    | 15,514    | 15,507    |
|         | Read-o-Matic registers     | Each | 11,322    | 8,387     | 4,726     | 1,777     |
|         | Orion radio read registers | Each | 4,112     | 6,848     | 10,694    | 13,732    |
| 663/676 | Service calls              | Each | 3,298     | 4,897     | 5,491     | 4,649     |

<sup>\*</sup> Ten year average annual water main breaks - 84

COMMENTARY: The Utility's preventative maintenance program continues to focus on compliance with the DNR's "Requirements for the Operation and Design of Community Water Systems" related to fire hydrant inspections once every two years and the operations of distribution valves once every five years. The Utility remains committed to performing leak surveys where the utility reduces the amount of unaccounted for water lost through broken water mains, defective service laterals, leaking valves and fire hydrants that may be leaking prior to street restorations. Dead end hydrant flushing is performed in spring and fall each year.

The utility's use of the Read-o-Matic registers improved the meter reading efficiency but as these units age, labor expenses increase and utility revenue declines may be attributed to inaccurate readings. Badger Meter has discontinued production of our existing ROM's thereby forcing Water Utilities to commit to automated meter infrastructure (AMI). Through July 31st, the Utility has installed 14,848 Badger Meter Orion SE endpoints as part of our upgrade program.

The fifth year amortization of the Glenview Ave tank painting is included in next year's expenses. Water utility staff continued marking the City's sewer mains as part of the Digger's Hotline program.

Lead within the City's water system continues to be a concern and the 2018 budget will allow staff to implement a policy that deals with lead laterals during maintenance activities as well as continuing to replace lead laterals during water main relay work. Lead laterals have the greatest risk of leaching into water during and shortly after construction activities disturb them. Because of this the City will now be replacing the entire City owned portion of a lead lateral if a leak occurs instead of just repairing the leak. In conjunction with these replacements we will educate the homeowner and provide information relating to how they can replace their portion of the lead lateral if they wish. Research has shown that most lead laterals will stabilize to their preconstruction condition within sixty days of construction activities so staff has been and will continue to offer lead filtering pitchers free of charge to homes that have had the public side of the lateral replaced. Full replacement of lead laterals when leaks are detected will increase our expenditures within the Service Maintenance Budget therefore the Contract Labor and Materials line item has increased to \$80,000 for 2018.

Page 20

### WATER DEPARTMENT - TRANSMISSION & DISTRIBUTION EXPENSE (continued)

|           |           |                                  |                    |           | 2018                |         |
|-----------|-----------|----------------------------------|--------------------|-----------|---------------------|---------|
| 2015      | 2016      |                                  | 2017               | 2017      | Executive           | %       |
| Actual    | Actual    | Account / Function               | Original           | Estimated | Review              | Change  |
|           |           | 673 Main maintenance             |                    |           |                     |         |
| 262,786   | 260,803   | Wages                            | 219,865            | 219,865   | 271,76 <del>1</del> | 23.6%   |
| 40,868    | 48,281    | Overtime                         | 71,616             | 71,616    | 72,619              | 1.4%    |
| 63,039    | 65,789    | Labor - other departments        | 83,274             | 83,274    | 92,093              | 10,6%   |
| 107,390   | 99,776    | Equipment rent                   | 122,091            | 121,866   | 127,744             | 4.6%    |
| 82,947    | 61,297    | Materials                        | 82,682             | 82,682    | 83,000              | 0.4%    |
| 1,038     | 2,041     | Lawn repairs                     | 2,000              | 2,000     | 2,000               | 0.0%    |
| 22,156    | 27,738    | Gravel & stone                   | 39,000             | 31,000    | 39,000              | 0.0%    |
| 106,870   | 24,428    | Contract labor and materials     | 60,400             | 52,400    | 60,000              | -0.7%   |
| 30,479    | 45,115    | Pavement materials               | 52,000             | 32,000    | 52,000              | 0.0%    |
| 5,832     | 0         | Paving contractors               | 40,848             | 10,848    | 40,000              | -2.1%   |
|           |           | Equipment and tools (see detail) |                    |           |                     |         |
| 0         | 0         | STIHL Cutquik cut-off machine    | 1,050              | 864       | 0                   | -100.0% |
|           |           | 675 Services maintenance         |                    |           |                     |         |
| 20,743    | 47,115    | Wages                            | 48,480             | 48,480    | 53,000              | 9.3%    |
| 3,696     | 2,303     | Overtime                         | 2,915              | 2,915     | 2,956               | 1.4%    |
| 13,122    | 11,441    | Equipment rent                   | 12,519             | 12,464    | 12,640              | 1.0%    |
| 26,074    | 80,558    | Contract labor and materials     | 30,826             | 30,826    | 80,000              | 159.5%  |
| 18,061    | 7,570     | Materials                        | 19,600             | 19,600    | 20,000              | 2.0%    |
| 588       | -1,004    | Paving contractors               | 9,500              | 9,500     | 9,500               | 0.0%    |
|           | ,         | Equipment and tools              |                    | ·         | •                   |         |
| O         | 0         | Metrotech line locator           | 3,490              | 0         | 3,490               | 0.0%    |
|           |           | 676 Meter maintenance            |                    |           |                     |         |
| 113,111   | 107,500   | Wages                            | 97,162             | 97,162    | 71,123              | -26.8%  |
| 4,259     | 1,479     | Overtime                         | 1,150              | 1,150     | 1,166               | 1.4%    |
| 200       | 200       | Clothing allowance               | 100                | 200       | 200                 | 100.0%  |
| 4,955     | 5,230     | Equipment rent                   | 5,470              | 5,684     | 5,793               | 5,9%    |
| 9,958     | 7,821     | Supplies                         | 7,900              | 7,900     | 8,058               | 2.0%    |
|           |           | Equipment and tools              |                    |           |                     |         |
| 0         | 0         | Supplemental tools               | 500                | 0         | 500                 | 0.0%    |
| -66,242   | -61,115   | Charge to sanitary sewer         | -56,141            | -56,048   | -43,420             | -22.7%  |
|           |           | 677 Hydrant maintenance          |                    |           |                     |         |
| 13,198    | 20,905    | Wages                            | 54,077             | 54,077    | 38,800              | -28,3%  |
| 12,686    | 12,406    | Equipment rent                   | 13,1 <del>44</del> | 13,596    | 16,549              | 25.9%   |
| 20,033    | 36,525    | Repair parts & supplies          | 19,000             | 19,000    | 28,000              | 47.4%   |
|           |           | Equipment and tools              |                    |           |                     |         |
| 2,077     | 0         | Hydrant diffusers                | 2,500              | <u> </u>  | 2,500               | 0.0%    |
| 1,355,971 | 1,309,223 | Total Transmission & Distrib Exp | 1,561,481          | 1,503,729 | 1,660,823           | 6.4%    |

### **ACCOUNT: 900 Customer Accounts Expense**

MISSION: Accurately read all water meters and complete reading to enable timely billing to customers. Submit accurate records for mail of water billing statements to our customers in a timely manner.

**PROGRAMS:** Meter reading (902), audit and review of customer readings, investigation of out of range readings, generating the billing for water, sewer, and storm water utilities, processing customer payments, and answer customer inquiries (903).

**PROGRAM NARRATIVE:** Our Water Meter Reader (902) provides the data for the amount of water used at a property. This information along with sewer user and storm water charges make up the data required on the water billing system. The remainder of the expenses (903) includes clerical staff payroll, mailing services, Treasurers Office labor, deposit charges, and supplies.

### PERSONNEL:

| Position Title                    | 2017 FTE | <u>2018 FTE</u> |
|-----------------------------------|----------|-----------------|
| Meter Reader                      | 1        | 1               |
| Administrative Support Specialist | .65      | .65             |
| Office Assistant                  | .65      | .65             |

### PERFORMANCE INDICATORS:

- All meters are read accurately and timely to facilitate bill processing
- Water, sewer and storm water bills are generated and mailed according to Public Service Commission rules and regulations

COMMENTARY: Our Advanced Metering Infrastructure upgrade program is designed to reduce labor costs, improve meter reading efficiency, and provide exceptional customer service when helping customers with billing questions. The goal of the AMI program is to ensure our customer's meter usage information is delivered in a timely manner back to City Hall.

The negative amounts in accounts 902 and 903 represent reimbursement of meter reading and billing costs by the sanitary and storm sewer departments.

### WATER DEPARTMENT - CUSTOMER ACCOUNTS EXPENSE

|         |         |                                 |          |           | 2018            |                   |
|---------|---------|---------------------------------|----------|-----------|-----------------|-------------------|
| 2015    | 2016    |                                 | 2017     | 2017      | Executive       | %                 |
| Actual  | Actual  | Account / Function              | Original | Estimated | Review          | Change            |
|         |         | 902 Meter reading expense       |          |           |                 |                   |
| 44,752  | 36,134  | Wages                           | 18,000   | 18,000    | 25,887          | 43.8%             |
| 100     | 100     | Clothing allowance              | 100      | 100       | 100             | 0.0%              |
| 2,917   | 3,267   | Equipment rent                  | 2,762    | 2,913     | 2,929           | 6.0%              |
| 986     | 788     | Auto allowance                  | 690      | 690       | 600             | -13.0%            |
| 77      | 0       | Postage                         | 450      | 450       | 300             | -33.3%            |
| 584     | 597     | Electricity                     | 648      | 648       | 648             | 0.0%              |
| 0       | 0       | Air Monitors                    | 0        | 0         | 0               |                   |
| 7,899   | 7,014   | Hand held maint and support     | 8,700    | 8,700     | 7,400           | -14.9%            |
| -28,658 | -23,950 | Charge to sanitary sewer        | -15,675  | -15,751   | -18,932         | 20.8%             |
|         |         | 903 Customer records exp        |          |           |                 |                   |
| 54,030  | 56,297  | Wages                           | 56,773   | 56,773    | 60,644          | 6.8%              |
| 10,655  | 10,317  | Treasurer's department labor    | 9,821    | 9,821     | 5,348           | -45,5%            |
| 40,675  | 40,016  | Mailing service                 | 44,675   | 41,800    | 42,400          | -5.1 <del>%</del> |
| 7,560   | 7,560   | Deposit charges                 | 7,560    | 7,560     | 31,200          | 312.7%            |
| 2,527   | 1,845   | Supplies                        | 1,170    | 1,170     | 2,000           | 70.9%             |
| 702     | 0       | Scanner repair/replacement      | 0        | 0         | 0               |                   |
| 0       | 3,378   | Copy machine                    | 0        | 0         | 3,378           |                   |
| -19,605 | -17,453 | Charge to storm sewer           | -18,062  | -18,062   | -20,593         | 14.0%             |
| -48,272 | -50,980 | Charge to sanitary sewer        | -50,969  | -49,531   | <i>-</i> 62,189 | 22.0%             |
| 76,929  | 74,930  | Total Customer Accounts Expense | 66,643   | 65,281    | 81,120          | 21.7%             |

### ACCOUNT: 920, 930 Administrative and General Expenses

MISSION: Properly account for all administrative functions of the Utility and efficiently manage the resources of the Utility.

### PERSONNEL:

| Position Title                    | 2017 FTE | 2018 FTE |
|-----------------------------------|----------|----------|
| Water Superintendent              | 1        | 1        |
| Accountant / Business Manager     | 1        | 1        |
| Water Operations Manager          | 1        | 1        |
| Administrative Support Specialist | .35      | .35      |
| Office Assistant                  | .35      | .35      |

**COMMENTARY:** These expenses include management salaries (920), office expenses (921), municipal charges (923), property insurance (924), workmen's compensation and liability insurance (925), employee insurance benefits (926-1), employee pensions (926-2), training (930), and office rent for City Hall office areas (931).

Insurance Account (926-1) and Pension Account (926-2) reflect employee contributions towards expenses for 2016 and 2017.

### **WATER DEPARTMENT - ADMINISTRATIVE & GENERAL EXPENSE**

| 2045            | 2046            |  | 0047              | 0047             | 2018                        | •             |
|-----------------|-----------------|--|-------------------|------------------|-----------------------------|---------------|
| 2015<br>Actual  | 2016<br>Actual  | Account / Function                                       | 2017              | 2017             | Executive                   | %             |
| Actual          | Actual          | 920 Admin & general salaries                             | Original          | Estimated        | Review                      | Change        |
| 284,707         | 282,701         | Wages  | 290,767           | 290,767          | 300,497                     | 3.3%          |
| 0               | 0               | Pay for performance                                      | 17,323            | 17,323           | 17,229                      | -0.5%         |
| •               | _               | •  | 11,020            | 11,040           | 17,220                      | ~0,070        |
| # 404           | 0.504           | 921 Office expense                                       |                   |                  |                             |               |
| 5,431           | 8,594           | Equipment rent   | 9,025             | 9,041            | 5,394                       | -40.2%        |
| 653<br>10,505   | 672<br>11,376   | Telephone Supplies and postage                           | 1,800<br>13,350   | 1,800            | 700                         | -61.1%        |
| 6,467           | 6,551           | Dues & periodicals                                       | 6,267             | 13,350<br>6,267  | 13,350<br>6,267             | 0.0%<br>0.0%  |
| 0,707           | 1,448           | Copy machine   | 0,207             | 0,207            | 0,267<br>1, <del>44</del> 8 | 0.0%          |
| Ū               | 1,440           | • •  | · ·               | 0                | 1,440                       |               |
| 400 745         | 00.047          | 923 Outside services                                     |                   |                  |                             |               |
| 102,745         | 89,217          | Municipal charges  | 68,820            | 68,820           | 57,440                      | -16.5%        |
| 11,850<br>6,136 | 60,729<br>4,987 | Outside services   | 22,500            | 22,500           | 20,000                      | -11.1%        |
| 28,879          | 39,793          | Audit of utility accounts Information Technology charges | 5,830<br>43,389   | 5,830            | 5,950                       | 2.1%          |
| 26,000          | 26,000          | Milw County MOA fee                                      | 26,000            | 43,389<br>26,000 | 48,465<br>26,000            | 11.7%<br>0.0% |
| 20,000          | 20,000          | •  | 20,000            | 20,000           | 20,000                      | 0.0%          |
|                 |                 | 924 Property insurance                                   |                   |                  |                             |               |
| 10,883          | 8,982           | Insurance on Utility property                            | 11,000            | 11,000           | 11,000                      | 0.0%          |
|                 |                 | 005 leterte en delener                                   |                   |                  |                             |               |
| 27.400          | 0.007           | 925 Injuries and damages                                 | 45.044            | 45.044           | 40.00                       |               |
| 27,198<br>4,852 | 9,867           | Workers comp insurance                                   | 15,814            | 15,814           | 10,067                      | -36.3%        |
| 4,002           | 11,069          | Liability insurance                                      | 5,2 <del>54</del> | 5,254            | 6,932                       | 31.9%         |
|                 |                 | 926-1 Insurance  |                   |                  |                             |               |
| 453,327         | 460,348         | Employee health & life insurance                         | 488,418           | 447,294          | 442,364                     | -9.4%         |
| -50,612         | -51,652         | Employee contribution                                    | -49,477           | -43,463          | -41,754                     | -15.6%        |
| -46,388         | -45,878         | Charge to sanitary sewer                                 | -43,000           | -40,000          | -40,000                     | -7.0%         |
|                 |                 | 926-2 Pensions   |                   |                  |                             |               |
| 167,755         | 169,231         | Employee pensions  | 180,254           | 180,254          | 180,962                     | 0.4%          |
| 42,646          | 0               | Amortization of pension related                          | 0                 | 0                | 0                           |               |
|                 |                 | past service cost  |                   |                  |                             |               |
| -85,388         | -88,591         | Employee contribution                                    | -90,127           | -90,127          | -90,481                     | 0.4%          |
| -9,367          | -8,832          | Charge to sanitary sewer                                 | -9,000            | -9,000           | -9,000                      | 0.0%          |
|                 | •               | 928 Regulatory expense                                   |                   |                  |                             |               |
| 375             | 5,928           | PSC expenses related to rate increase                    | 3,000             | 3,000            | 3,000                       | 0.0%          |
|                 |                 | application or other PSC related issues                  |                   |                  |                             |               |
|                 |                 |  |                   |                  |                             |               |
| •               |                 | 930-1 Misc expense                                       |                   | _                | _                           |               |
| 775             | 0               | Bond redemption expense Miscellaneous                    | 1,000             | 0                | 0                           | -100.0%       |
| 775             | 842             | Miscellaneous  | 1,000             | 1,000            | 1,000                       | 0.0%          |
|                 |                 | 930-2 Training   |                   |                  |                             |               |
| 5,083           | 9,892           | Continuing education and training                        | 9,322             | 9,000            | 9,000                       | -3.5%         |
| 0,000           | 0,002           | osminang caacaton and training                           | 0,022             | 3,000            | 9,000                       | -0.070        |
|                 |                 | 931 Rent - office  |                   |                  |                             |               |
| 16,028          | 13,907          | Rent - Municipal complex                                 | 14,046            | 14,046           | 10,216                      | -27.3%        |
| 2,328           | 2,014           | Rent - Public Works                                      | 2,024             | 2,024            | 2,136                       | 5.5%          |
| -               | •               |  | •                 | ,                | , , , ,                     |               |
|                 |                 | 932-3 Maint of telemetering eq                           |                   |                  |                             |               |
| 2,162           | 8,723           | Repairs to telemetering equipment                        | 11,500            | 11,500           | 10,000                      | -13.0%        |
|                 | -               | and control system software maint                        |                   |                  |                             |               |
| 0               | 0               | UPS back up supply power                                 | 0                 | 0                | 1,000                       |               |
| 0               | 0               | SCADA upgrades for new acquisitions                      | 0                 | 38,000           | 10,000                      | ~ <del></del> |
| 1,025,030       | 1,037,918       | Total Administrative & Consul Eve                        | 4 050 000         | 1 000 000        | 1.040.400                   | 0.807         |
| 1,020,030       | 1,007,810       | Total Administrative & General Exp                       | 1,056,099         | 1,060,683        | 1,019,182                   | -3.5%         |

### WAUWATOSA WATER UTILITY 2018 CAPITAL BUDGET SUMMARY NON-BONDED CAPITAL EXPENDITURES

| ACCOUNT<br><u>NUMBER</u><br>50-154-1000-900 | <u>ITEM</u><br>Fire hydrants                           | AMOUNT<br>45,000 | JUSTIFICATION  Required for full fire hydrant replacements when staff is unable to repair damaged hydrants.   |
|---|--|------------------|---|
| 50-101-3940-700                             | Double axle utility trailer with equipment storage box | 9,000            | Utility trailer used to transport equipment and shoring box for safe entry into excavation for water main repair. Replaces an eighteen year old failing unit, |
|   |  | 54,000           |   |

### WAUWATOSA WATER UTILITY 2018 CAPITAL BUDGET SUMMARY CAPITAL EXPENDITURES

| ACCOUNT<br>NUMBER                 | !TEM  | AMOUNT    | JUSTIFICATION  |
|-----------------------------------|---|-----------|--|
| PROJECTS PAID OUT                 | OF FUTURE BONDED FUNDS  | AMOUNT    | SOUTH TOATION  |
|                                   | ACEMENT PRIOR TO STREET REPAVING Replace water main in Underwood Ave from Milwaukee Ave to Rogers Ave | 475,000   | 6" water main installed 1922, located within a large roadway and storm sewer project   |
| 50-101-3431-900                   | Replace water main Woodland Ave from Wauwatosa Ave to 81st St   | 470,000   | 6" water main installed 1922, located within a large roadway and storm sewer project   |
| 50-101-3431-900                   | Replace water main State St from 72nd St to 74th St   | 260,000   | 8" water main installed 1897, located within a large<br>roadway and storm sewer project in the Village area.<br>Water main will be upsized to 16".   |
| 50-101-3431-900                   | Replace water main Center St from 68th St to 70th St  | 200,000   | 6" water main installed 1960, located within a roadway project. There have been 12 failures on this stretch of main with 7 occurring since 2009.   |
|                                   |   | 1,405,000 |  |
| OTHER WATER MAIN REPLACEMENT      |   |           |  |
| 50-101-3431-900                   | Relocate water main in 119th St at the intersection of 119th St and Walnut Rd                         | 50,000    | Located within the right-of-way terrace that had 2 failures in 2017. The layout of this main is not ideal and can be relocated to our standard water main location under the roadway on 119th St.  |
| OTHER PROJECTS<br>50-101-3250-100 | Electrical and Mechanical Rehabilitation of all Water Utility Pumping Stations                        | 2,680,350 | The City currently operates four water pumping stations throughout the City in order to distribute drinking water at appropriate pressures throughout the City. All four stations have been evaluated in 2017 in order to determine what electrical and mechanical improvements or replacements are needed at this time. Much of the electrical equipment is original to the stations, which were built in 1964-65. Generators have been added to two of the stations, however, both are well past their useful life and we are in need of a generator at one of the remaining sites. Costs include motor control center replacements, transformer replacements, generator replacements or additions, and the addition of variable frequency drives at all three major stations. Pumps and motors are in need of replacement or rehabilitation at all stations as well. Costs are broken down as follows and include a 30% design, administration, and contingency: 64th Street Station - 1,001,500, Blanchard Street Station - 741,600, Potter Road Station - 917,750, Glenview - 19,500. (all based on Ruekert & Mielke report, June 2017) |
| 50-101-3461-900                   | Advanced Metering Infrastructure (AMI) program  | 200,000   | Replacement of meters where parts are no longer available along with installation of AMI equipment in a fixed based network with two way communication capabilities.   |
| 50-101-3431-900                   | Repair, renovate, or replace water main as needed   | 150,000   | Water main alterations related to construction activities and/or unanticipated water main replacement.   |
| 50-101-3210-100                   | Renovate exterior of Blanchard Street pumping station   | 80,000    | The roof is beginning to leak and is well past its useful life. The roof will be replaced in 2018 and the exterior of the building will be tuck-pointed and painted in 2019.   |
|                                   |   | 3,110,350 |  |
|                                   | Total projects paid out of future bonded funds  | 4,565,350 |  |