

NORTH CITY Water District



2019-2020 Budget

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November 30, 2018

Commissioners:

Ron Ricker

Charlotte Haines

Larry Schoonmaker

District Manager:

Diane Pottinger, P.E.

Commissioners Haines and Ricker -

Attached please find North City Water District's Proposed Budget for 2019-2020. This is the second two year budget the District has had. The first two year budget helped us to work on a several multi-year projects relating to personnel, district business, customer relations and operations. We are proposing a second, two year budget to continue to expand these four areas as we strive to improve the District's efficiencies. We continue to operate effectively and efficiently as expected by our rate payers. At the same time of improved efficiencies, we reduced our water usage forecast.

2017-2018 ACHIEVEMENTS

We will begin summarizing our information in a report format similar to the AWWA Benchmarking:

Organizational Development:

- (1) hire and train three new employees,
- (2) Provide continuing education for all employees and commissioners
- (3) implement and refine the District's payroll and tax reporting systems,
- (4) made changes to the District's personnel manual to meet new regulations
- (5) prepare for the departure and replacement of the Finance Manager
- (6) Prepare and adopt a Rules of Procedure for the Commissioners
- (7) Prepare for the departure and replacement of a Commissioner
- (8) Staff present talks at AWWA and WASWD events

Business Operations:

- (1) Completed three successful audits – 2 financial and 1 accountability audit
- (2) Update the District's Connection Charge
- (3) Did not implement a 3% rate increase in 2018 as proposed given adequate revenue was received in 2017
- (4) Introduce and expand our new payments system with our ratepayers
- (5) Develop a draft Asset Management Plan for the District
- (6) Updated the District's Water System Extension Agreement (WSEA)
- (7) Signed five WSEAs in 2017 and 8 in 2018. Closed 1 WSEA

Customer Relations:

- (1) Review and update the District's board room policies
- (2) Continue to improve implementation of the District's Cross Connection Control program
- (3) Work with Shoreline Fire Department and other Fire Departments, to provide training opportunities at District facilities
- (4) Continue communicating and educating our legislators
- (5) Continue to educate our community about water supply in newsletters, Fix a Leak Challenge, at 3 Savvy Gardener classes, and participate in multiple community events

Water Operations:

- (1) Continue to proactively provide maintenance and replacement of District system components
- (2) Begin electronic tracking of District maintenance of hydrant and valves
- (3) Continue to clean, maintain and paint district hydrants to AWWA standards
- (4) Install and monitor six new water quality monitoring stands
- (5) Calibrate and update District's hydraulic model
- (6) Begin updating the District's Water System Plan

In the coming **2019-2020 the District expects to:**

Organizational Development:

- (1) Hire and train a new Accountant
- (2) Continue to document financial policies and procedures with outgoing and incoming Finance Managers
- (3) Replace and train a new Commissioner
- (4) Continue to provide appropriate training opportunities for staff and commissioners
- (5) Complete a comprehensive review of the Personnel Manual
- (6) Research and update the fixed asset schedule.

Business Operations:

- (1) Complete three successful audits – 2 financial and 1 accountability audit
- (2) Update the District's Connection Charge
- (3) Complete a Cost of Service Study and multi year rate projections
- (4) Complete updating the District's Code
- (5) Close out all outstanding WSEAs as they are completed by the developer
- (6) Consider completing the AWWA Benchmarking Survey

Customer Relations:

- (1) Continue to improve implementation of the District's Cross Connection Control program
- (2) Continue working with both Shoreline and Northshore Fire Districts
- (3) Continue communicating and educating our legislators
- (4) Continue to educate our community about water supply in newsletters, Fix a Leak Challenge, at 3 Savvy Gardener classes, and participate in multiple community events

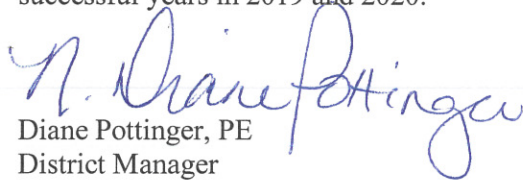
Water Operations:

- (1) Continue to proactively provide maintenance and replacement of District system components
- (2) Complete initial entry of electronic tracking of District operations and maintenance of hydrant and valves
- (3) Continue to clean, maintain and paint district hydrants to AWWA standards
- (4) Complete and adopt District's Water System Plan
- (5) Begin multi year process to update District's GIS system and reconcile to the Fixed Asset schedule.
- (6) Complete the review and update District's easements. Begin a multi-year inspection of easements.

Impact to Rate Payers

The District's single largest expense is the cost of wholesale water purchased from Seattle Public Utilities (SPU). In 2019 and 2020, SPU will increase its wholesale water rate by 6% each year. Despite this significant increase, the District's management proposes only a 4% increase in the water rate that it charges customers across the board. This will be sufficient to cover all increased expenses, capital infrastructure needs and the cost of inflation. The District expects to complete a Cost of Service Study once the Capital Improvement Plan has been finalized in the Water System Plan after the first of the year. The 4% projected increase in 2020 may have some variation in how that is applied over the different customer classes.


From all of us on the Management Team, we are truly looking forward to two more successful years in 2019 and 2020.

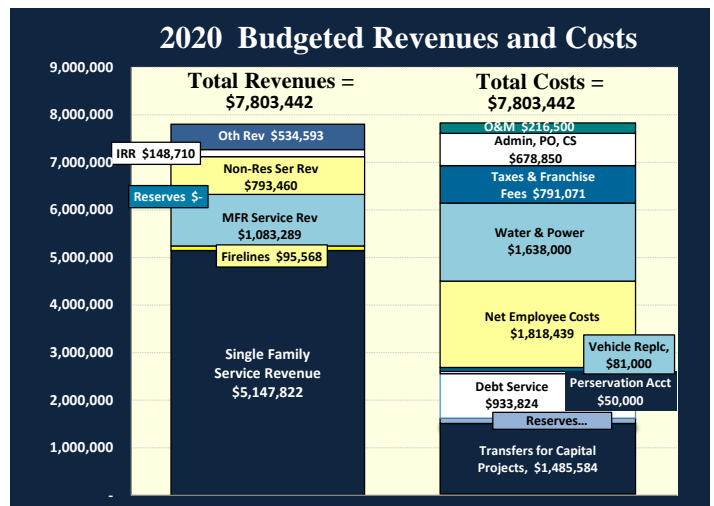
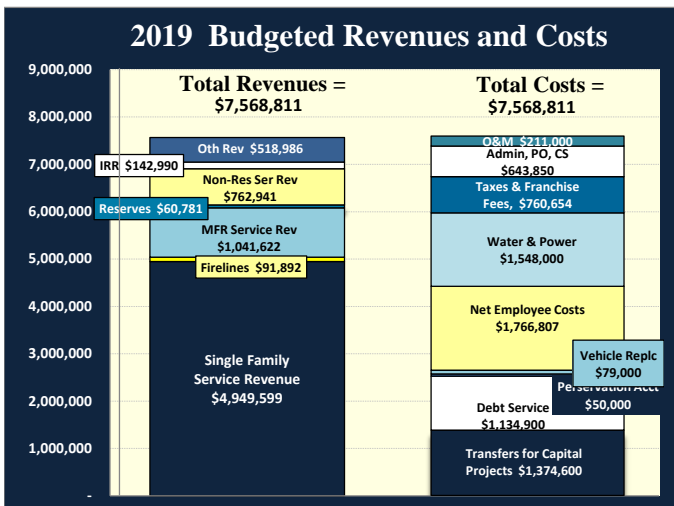


Diane Pottinger, PE
District Manager




Budget at a Glance

|  | Operating Budget at a Glance | | | | | | | | |
|---|------------------------------|--------------------|-------------------------|---------------------|---------------------------|----------------|--------------------|---------------------------|----------------|
| | 2019-2020 - Budget | | | | | | | | |
| | 2017 Actual | 2018 Budget | 2018 Projected Year-End | 2019 Budget | Chg 2019 Budget - 2018 YE | Percent Change | 2020 Budget | Change 2020 - 2019 Budget | Percent Change |
| Revenue | | | | | | | | | |
| SERVICE REVENUE: | | | | | | | | | |
| SINGLE FAMILY | \$4,740,741 | \$4,728,776 | \$ 4,781,603 | \$ 4,949,599 | \$167,996 | 3.5% | \$ 5,147,822 | \$ 198,223 | 4% |
| MULTI - FAMILY | 973,929 | 999,376 | 992,301 | 1,041,622 | 49,321 | 5.0% | 1,083,289 | 41,667 | 4% |
| NON-RESIDENTIAL | 753,982 | 749,228 | 689,561 | 762,941 | 73,380 | 10.6% | 793,460 | 30,519 | 4% |
| IRRIGATION | 138,813 | 137,726 | 131,647 | 142,990 | 11,344 | 8.6% | 148,710 | 5,720 | 4% |
| FIRELINES | 88,161 | 90,200 | 92,369 | 91,892 | (477) | -0.5% | 95,568 | 3,676 | 4% |
| TOTAL SERVICE REVENUE | 6,695,626 | 6,705,306 | 6,687,481 | 6,989,045 | 301,564 | 4.5% | 7,268,849 | 279,805 | 4% |
| OTHER REVENUE | 579,035 | 564,336 | 510,220 | 518,986 | 8,766 | 1.7% | 534,593 | 15,607 | 3% |
| Total Revenue | 7,274,661 | 7,269,642 | 7,197,700 | 7,508,030 | 310,330 | 4.3% | 7,803,442 | 295,411 | 4% |
| Net Use of Reserves | 131,415 | | (3,140) | 60,781 | 63,921 | | - | (60,781) | |
| Total Revenues | \$7,406,076 | \$7,269,642 | \$ 7,194,561 | \$ 7,568,811 | \$374,251 | 5.1% | \$7,803,442 | \$ 234,631 | 3.1% |
| Costs | | | | | | | | | |
| Operating Costs | | | | | | | | | |
| BUSINESS ADMINISTRATION | 154,589 | 180,200 | 175,638 | 223,200 | 47,562 | 31% | 253,200 | 30,000 | 13% |
| PLANNING AND DEVELOPMENT | 3,646 | 23,000 | 18,991 | 13,000 | (5,991) | -164% | 11,000 | (2,000) | -15% |
| PUBLIC AND REGIONAL OUTREACH ¹ | 52,377 | 62,100 | 46,378 | 55,000 | 8,622 | 16% | 56,000 | 1,000 | 2% |
| OFFICE AND RECORDS MANAGEMENT | 253,498 | 215,200 | 247,504 | 265,150 | 17,646 | 7% | 269,150 | 4,000 | 2% |
| CUSTOMER SERVICE AND BILLING | 73,993 | 64,300 | 85,428 | 87,500 | 2,072 | 3% | 89,500 | 2,000 | 2% |
| PURCHASED WATER AND POWER | 1,413,339 | 1,650,000 | 1,440,231 | 1,548,000 | 107,769 | 8% | 1,638,000 | 90,000 | 6% |
| OPERATIONS AND MAINTENANCE | 208,473 | 203,600 | 193,351 | 211,000 | 17,649 | 8% | 216,500 | 5,500 | 3% |
| TAXES AND FRANCHISE FEES | 736,587 | 732,776 | 732,764 | 760,654 | 27,890 | 4% | 791,071 | 30,417 | 4% |
| PASS-THRU COSTS | 9,590 | 8,100 | - | - | - | 0% | - | - | 0% |
| EMPLOYEE COSTS (Net Capitalization) | 1,653,964 | 1,526,963 | 1,725,339 | 1,766,807 | 41,468 | 3% | 1,818,439 | 51,632 | 3% |
| Total Operating Costs | 4,560,058 | 4,666,239 | 4,665,624 | 4,930,311 | 264,687 | 6% | 5,142,860 | 212,549 | 4% |
| Capital Costs | | | | | | | | | |
| DEBT SERVICE (Net of capitalization) | 1,068,832 | 1,084,225 | 1,134,225 | 1,134,900 | 675 | 0% | 933,824 | (201,075) | -18% |
| CAPITAL TRANSFERS | 1,652,186 | 1,370,556 | 1,267,712 | 1,374,600 | 106,889 | 6% | 1,485,584 | 110,984 | 8% |
| VEHICLE REPLACEMENT TRANSFER | 75,000 | 77,000 | 77,000 | 79,000 | 2,000 | 3% | 81,000 | 2,000 | 3% |
| Total Capital Costs | 2,796,018 | 2,531,781 | 2,478,936 | 2,588,500 | 109,564 | 4% | 2,500,408 | (88,091) | -3% |
| TRANSFER TO PRESERVATION ACCT | 50,000 | 50,000 | 50,000 | 50,000 | - | n/a | 50,000 | - | |
| Net Additions to Reserves | - | 21,623 | - | - | - | | 110,173 | 110,173 | n/a |
| Total Costs | \$7,406,076 | \$7,269,642 | \$ 7,194,561 | \$ 7,568,811 | \$374,251 | 5.1% | \$7,803,442 | \$ 234,631 | 3.1% |





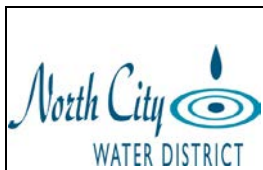
Operating Costs

|  | Operating Costs in Summary by Object (Type) and Function (Purpose) | | | | | | | | | | | | |
|---|--|------------------|-------------------------|------------------|-------------------|------------------------------|---------------------------|-------------------------------|---------------|----------------------|----------------|---------------|--------------------------------|
| | 2019 - Budget | | | | | | | | | | | | |
| | 2017 Actual | 2018 Budget | 2018 Projected YE | 2019 Budget | Business Admin | Cust Service & Billing | O&M General & Admin | Source of Supply & Pump | Storage | Meters & Services | Dist System | Hydrants | Labor - Alloc to Capital |
| BUSINESS ADMINISTRATION | | | | | | | | | | | | | |
| Legal Services | 47,803 | 45,800 | 37,011 | 46,000 | 46,000 | - | - | - | - | - | - | - | - |
| Financial Services | 19,049 | 27,000 | 15,000 | 60,000 | 60,000 | - | - | - | - | - | - | - | - |
| Insurance | 84,441 | 89,300 | 102,946 | 113,000 | 113,000 | - | - | - | - | - | - | - | - |
| Elections | - | 15,000 | 16,901 | - | - | - | - | - | - | - | - | - | - |
| Miscellaneous & Other | 3,297 | 3,100 | 3,780 | 4,200 | 4,200 | - | - | - | - | - | - | - | - |
| TOTAL BUSINESS ADMINISTRATION | 154,589 | 180,200 | 175,638 | 223,200 | 223,200 | - | - | - | - | - | - | - | - |
| PLANNING & DEVELOPMENT | | | | | | | | | | | | | |
| Professional Services | 3,646 | 22,000 | 18,950 | 12,000 | 12,000 | - | - | - | - | - | - | - | - |
| Other Planning & Development | - | 1,000 | 40 | 1,000 | 1,000 | - | - | - | - | - | - | - | - |
| TOTAL PLANNING & DEVELOPMENT | 3,646 | 23,000 | 18,991 | 13,000 | 13,000 | - | - | - | - | - | - | - | - |
| PUBLIC & REGIONAL OUTREACH | | | | | | | | | | | | | |
| Regional Dues & Membership | 16,888 | 19,400 | 15,031 | 18,000 | 18,000 | - | - | - | - | - | - | - | - |
| Newsletters/Website/Special Events | 34,813 | 39,800 | 31,131 | 35,000 | 35,000 | - | - | - | - | - | - | - | - |
| Other Public Outreach | 676 | 2,900 | 216 | 2,000 | 2,000 | - | - | - | - | - | - | - | - |
| TOTAL PUBLIC & REGIONAL OUTREACH | 52,377 | 62,100 | 46,378 | 55,000 | 55,000 | - | - | - | - | - | - | - | - |
| OFFICE & RECORDS MANAGEMENT | | | | | | | | | | | | | |
| General Office Expense | 9,574 | 6,700 | 10,008 | 12,500 | 12,500 | - | - | - | - | - | - | - | - |
| Office Supplies & Equipment | 13,226 | 17,900 | 24,387 | 17,650 | 17,650 | - | 5,000 | - | - | - | - | - | - |
| Computer Systems | 103,423 | 104,300 | 95,271 | 109,000 | 79,000 | - | 30,000 | - | - | - | - | - | - |
| Phones & Internet | 38,007 | 25,500 | 35,769 | 35,500 | 20,000 | - | 15,500 | - | - | - | - | - | - |
| Building & Grounds Maint & Repairs | 89,268 | 60,800 | 82,068 | 90,500 | 50,500 | - | 40,000 | - | - | - | - | - | - |
| TOTAL OFFICE & RECORDS MANAGEMENT | 253,498 | 215,200 | 247,504 | 265,150 | 174,650 | - | 90,500 | - | - | - | - | - | - |
| CUSTOMER SERVICE & BILLING | | | | | | | | | | | | | |
| Billing | 62,598 | 56,100 | 64,782 | 66,000 | - | 66,000 | - | - | - | - | - | - | - |
| Reporting | 7,500 | 8,200 | 8,429 | 8,500 | - | 8,500 | - | - | - | - | - | - | - |
| TOTAL CUSTOMER SERVICE & BILLING | 73,993 | 64,300 | 85,428 | 87,500 | - | 74,500 | 13,000 | - | - | - | - | - | - |
| PURCHASED WATER & POWER | | | | | | | | | | | | | |
| Water | 1,381,869 | 1,625,000 | 1,397,112 | 1,512,000 | - | - | 1,512,000 | - | - | - | - | - | - |
| Power | 31,470 | 25,000 | 43,120 | 36,000 | - | - | 36,000 | - | - | - | - | - | - |
| TOTAL PURCHASED WATER & POWER | 1,413,339 | 1,650,000 | 1,440,231 | 1,548,000 | - | - | 1,548,000 | - | - | - | - | - | - |
| OPERATIONS & MAINTENANCE | | | | | | | | | | | | | |
| Professional & Other Outside | 30,672 | 25,500 | 31,407 | 37,000 | - | - | 35,000 | 2,000 | - | - | - | - | - |
| Supplies & Materials | 97,127 | 101,900 | 95,385 | 98,500 | - | - | 12,000 | 5,000 | - | 39,000 | 38,000 | 4,500 | - |
| Small Tools & Equipment | 7,839 | 3,600 | 11,744 | 12,000 | - | - | 12,000 | - | - | - | - | - | - |
| Telemetry | 9,016 | 14,300 | 9,257 | 12,000 | - | - | - | 12,000 | - | - | - | - | - |
| Field Vehicle Expense | 47,629 | 37,900 | 26,118 | 31,000 | - | - | 31,000 | - | - | - | - | - | - |
| Miscellaneous | 16,191 | 20,400 | 19,441 | 20,500 | - | - | 15,500 | - | 3,000 | 2,000 | - | - | - |
| TOTAL OPERATIONS & MAINTENANCE | 208,473 | 203,600 | 193,351 | 211,000 | - | - | 105,500 | 19,000 | - | 42,000 | 40,000 | 4,500 | - |
| TAXES & FRANCHISE FEES | | | | | | | | | | | | | |
| Taxes | 354,225 | 345,414 | 354,206 | 365,048 | 355,048 | - | 10,000 | - | - | - | - | - | - |
| Franchise fees | 382,362 | 387,362 | 378,558 | 395,606 | 395,606 | - | - | - | - | - | - | - | - |
| TOTAL TAXES & FRANCHISE FEES | 736,587 | 732,776 | 732,764 | 760,654 | 750,654 | - | 10,000 | - | - | - | - | - | - |
| PASS-THRU COSTS | | | | | | | | | | | | | |
| Street Lights/ Charge Point | 9,590 | 8,100 | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL PASS-THRU COSTS | 9,590 | 8,100 | - | - | - | - | - | - | - | - | - | - | - |
| EMPLOYEE COSTS | | | | | | | | | | | | | |
| Travel & Training | 38,860 | 49,500 | 51,271 | 50,000 | 32,000 | - | 18,000 | - | - | - | - | - | - |
| Other Employee Costs | 10,749 | 10,700 | 6,709 | 7,600 | - | - | 7,600 | - | - | - | - | - | - |
| Temporary Employee Costs | - | 6,100 | - | - | - | - | - | - | - | - | - | - | - |
| Direct Payroll Costs | 1,194,682 | 1,203,986 | 1,240,769 | 1,281,780 | 428,252 | 164,575 | 335,436 | 30,694 | 15,222 | 47,733 | 88,671 | 25,619 | 145,579 |
| Payroll Benefits | 559,320 | 576,289 | 591,117 | 606,379 | 225,978 | 76,301 | 222,071 | 7,009 | 3,659 | 10,952 | 21,146 | 5,891 | 33,373 |
| Payroll Allocations to Capital | (149,647) | (319,612) | (164,527) | (178,952) | - | - | - | - | - | - | - | - | (178,952) |
| TOTAL EMPLOYEE COSTS | 1,653,964 | 1,526,963 | 1,725,339 | 1,766,807 | 686,230 | 240,876 | 583,106 | 37,703 | 18,881 | 58,685 | 109,817 | 31,510 | - |
| TOTAL OPERATING COSTS | 4,560,058 | 4,666,239 | 4,665,624 | 4,930,311 | 1,902,734 | 315,376 | 802,106 | 1,604,703 | 18,881 | 100,685 | 149,817 | 36,010 | - |



2019 - BUDGET DETAIL

| | 2017 Actual | 2018 Budget | 2018 Projected YE | 2019 Budget | Business Admin | Admin - To All Functions | Admin - By Customers | Admin - General | Admin - Planning | Public Outreach Commissioners | Public Outreach Programs | Finance - General | Finance - Planning/Rates | Cust Service & Billing | Cust Service - General | Cust Service - Billing | Cust Service - Reporting | Field Customer Service | O&M General & Admin | O&M - General Operations | O&M - Safety | Source of Supply & Pump | Source of Supply | Pumping O&M | Telemetry O&M | Storage | Reservoir O&M | Meters & Services | Water Service O&M | Meter O&M | Meter Reading | Dist System | Main O&M | Valve O&M | Water Quality | Hydrants | Labor - Alloc to Capital | |
|--|-------------|-------------|-------------------|-------------|----------------|--------------------------|----------------------|-----------------|------------------|-------------------------------|--------------------------|-------------------|--------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|-------------------------|------------------|-------------|---------------|---------|---------------|-------------------|-------------------|-----------|---------------|-------------|----------|-----------|---------------|----------|--------------------------|---|
| | | | | | | 10 | 9 | 13 | 14 | 20 | 21 | | | 50 | 51 | 53 | 31 | | 30 | 42 | | 41 | 37 | 38 | | 39 | | 33 | 34 | 43 | | 32 | 36 | 40 | 35 | | | |
| Office Supplies & Equipment | 13,226 | 17,900 | 24,387 | 17,650 | 12,650 | - | 12,650 | 12,650 | - | - | - | - | - | - | - | - | - | - | 5,000 | 5,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Computer Systems | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Computer Supplies | 1,616 | 3,100 | 6,309 | 7,000 | 6,000 | - | 6,000 | 6,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Computers & Printers | 10,299 | 2,000 | 232 | 1,000 | 1,000 | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Software | 8,479 | 3,100 | 13,697 | 14,000 | 10,000 | - | 10,000 | 10,000 | - | - | - | - | - | - | - | - | - | - | 4,000 | 4,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Maintenance Agreements | 19,562 | 40,000 | 21,088 | 22,000 | 18,000 | - | 18,000 | 18,000 | - | - | - | - | - | - | - | - | - | - | 4,000 | 4,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Professional Services - Computer | 63,467 | 56,100 | 53,946 | 65,000 | 44,000 | - | 44,000 | 44,000 | - | - | - | - | - | - | - | - | - | - | 21,000 | 21,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Computer Systems | 103,423 | 104,300 | 95,271 | 109,000 | 79,000 | - | 79,000 | 79,000 | - | - | - | - | - | - | - | - | - | - | 30,000 | 30,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Phones & Internet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Call Phones | 6,317 | 7,100 | 5,379 | 4,500 | 2,000 | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | 2,500 | 2,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Alarm Monitoring | 3,309 | 3,100 | 2,911 | 3,000 | 1,000 | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Phone System & Internet | 28,382 | 15,300 | 27,480 | 28,000 | 17,000 | - | 17,000 | 17,000 | - | - | - | - | - | - | - | - | - | - | 11,000 | 11,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Phones & Internet | 38,007 | 25,500 | 35,769 | 35,500 | 20,000 | - | 20,000 | 20,000 | - | - | - | - | - | - | - | - | - | - | 15,500 | 15,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Building & Grounds - Maintenance & Operations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custodial | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kitchen / Custodial Supplies | 5,005 | 5,100 | 4,781 | 5,000 | 5,000 | - | 5,000 | 5,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Custodial Services | 7,600 | 10,200 | 8,452 | 15,000 | 14,000 | - | 14,000 | 14,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Custodial | 12,605 | 15,300 | 13,233 | 20,000 | 19,000 | - | 19,000 | 19,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Utilities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Utilities - Electric | 30,327 | 22,400 | 22,370 | 23,000 | 13,000 | - | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | 10,000 | 10,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Utilities - Garbage | 4,418 | 4,600 | 6,054 | 6,000 | 3,000 | - | 3,000 | 3,000 | - | - | - | - | - | - | - | - | - | - | 3,000 | 3,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Utilities - Sewer | 3,569 | 3,100 | 3,309 | 3,500 | 1,500 | - | 1,500 | 1,500 | - | - | - | - | - | - | - | - | - | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Utilities - Gas | 9,217 | 3,600 | 5,037 | 5,000 | 2,000 | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | 3,000 | 3,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Utilities | 47,532 | 33,700 | 36,770 | 37,500 | 19,500 | - | 19,500 | 19,500 | - | - | - | - | - | - | - | - | - | - | 18,000 | 18,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Maintenance & Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maintenance - Buildings | 3,024 | 3,100 | 4,974 | 5,000 | 4,000 | - | 4,000 | 4,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Maintenance - Grounds | 7,043 | 6,700 | 6,921 | 7,000 | 7,000 | - | 7,000 | 7,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Maint & Repairs - General | 19,065 | 2,000 | 20,170 | 21,000 | 1,000 | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | 20,000 | 20,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Maintenance & Repairs | 29,132 | 11,800 | 32,065 | 33,000 | 12,000 | - | 12,000 | 12,000 | - | - | - | - | - | - | - | - | - | - | 21,000 | 21,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Building & Grounds Maint & R | 89,268 | 60,800 | 82,068 | 90,500 | 50,500 | - | 50,500 | 50,500 | - | - | - | - | - | - | - | - | - | - | 40,000 | 40,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL OFFICE & RECORDS MGMT | 253,498 | 215,200 | 247,504 | 265,150 | 174,650 | - | 174,650 | 174,650 | - | - | - | - | - | - | - | - | - | - | 90,500 | 90,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| CUSTOMER SERVICE & BILLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Billing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outside Billing | 38,629 | 56,100 | 34,433 | 35,000 | - | - | - | - | - | - | - | - | - | 35,000 | - | 35,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Postage | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| E-Payment Service | 23,969 | - | 30,349 | 31,000 | - | - | - | - | - | - | - | - | - | 31,000 | - | 31,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Billing | 62,598 | 56,100 | 64,782 | 66,000 | - | - | - | - | - | - | - | - | - | 66,000 | - | 66,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Customer Claims | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer Claims | 3,895 | - | 12,217 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Customer Claims | 3,895 | - | 12,217 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Reporting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consumer Confidence Report | 7,500 | 8,200 | 8,429 | 8,500 | - | - | - | - | - | - | - | - | - | 8,500 | - | 8,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Reporting | 7,500 | 8,200 | 8,429 | 8,500 | - | - | - | - | - | - | - | - | - | 8,500 | - | 8,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| TOTAL CUSTOMER SERVICE & BILLING | 73,993 | 64,300 | 85,428 | 87,500 | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Operating Costs in Summary by Object (Type) and Function (Purpose)

2020 - Budget

| | 2018 Budget | 2018 Projected YE | 2019 Budget | 2020 Budget | Business Admin | Cust Service & Billing | O&M General & Admin | Source of Supply & Pump | Storage | Meters & Services | Dist System | Hydrants | Labor - Alloc to Capital |
|--|------------------|-------------------------|------------------|------------------|-------------------|------------------------------|---------------------------|-------------------------------|---------------|----------------------|----------------|---------------|--------------------------------|
| BUSINESS ADMINISTRATION | | | | | | | | | | | | | |
| Legal Services | 45,800 | 37,011 | 46,000 | 48,000 | 48,000 | - | - | - | - | - | - | - | - |
| Financial Services | 27,000 | 15,000 | 60,000 | 58,000 | 58,000 | - | - | - | - | - | - | - | - |
| Insurance | 89,300 | 102,946 | 113,000 | 127,000 | 127,000 | - | - | - | - | - | - | - | - |
| Elections | 15,000 | 16,901 | - | 17,000 | 17,000 | - | - | - | - | - | - | - | - |
| Miscellaneous & Other | 3,100 | 3,780 | 4,200 | 3,200 | 3,200 | - | - | - | - | - | - | - | - |
| TOTAL BUSINESS ADMINISTRATION | 180,200 | 175,638 | 223,200 | 253,200 | 253,200 | - | - | - | - | - | - | - | - |
| PLANNING & DEVELOPMENT | | | | | | | | | | | | | |
| Professional Services | 22,000 | 18,950 | 12,000 | 10,000 | 10,000 | - | - | - | - | - | - | - | - |
| Other Planning & Development | 1,000 | 40 | 1,000 | 1,000 | 1,000 | - | - | - | - | - | - | - | - |
| TOTAL PLANNING & DEVELOPMENT | 23,000 | 18,991 | 13,000 | 11,000 | 11,000 | - | - | - | - | - | - | - | - |
| PUBLIC & REGIONAL OUTREACH | | | | | | | | | | | | | |
| Regional Dues & Membership | 19,400 | 15,031 | 18,000 | 18,000 | 18,000 | - | - | - | - | - | - | - | - |
| Newsletters/Website/Special Events | 39,800 | 31,131 | 35,000 | 36,000 | 36,000 | - | - | - | - | - | - | - | - |
| Other Public Outreach | 2,900 | 216 | 2,000 | 2,000 | 2,000 | - | - | - | - | - | - | - | - |
| TOTAL PUBLIC & REGIONAL OUTREACH | 62,100 | 46,378 | 55,000 | 56,000 | 56,000 | - | - | - | - | - | - | - | - |
| OFFICE & RECORDS MANAGEMENT | | | | | | | | | | | | | |
| General Office Expense | 6,700 | 10,008 | 12,500 | 12,500 | 12,500 | - | - | - | - | - | - | - | - |
| Office Supplies & Equipment | 17,900 | 24,387 | 17,650 | 17,650 | 13,650 | - | 4,000 | - | - | - | - | - | - |
| Computer Systems | 104,300 | 95,271 | 109,000 | 111,000 | 80,000 | - | 31,000 | - | - | - | - | - | - |
| Phones & Internet | 25,500 | 35,769 | 35,500 | 36,500 | 21,000 | - | 15,500 | - | - | - | - | - | - |
| Building & Grounds Maint & Repairs | 60,800 | 82,068 | 90,500 | 91,500 | 50,500 | - | 41,000 | - | - | - | - | - | - |
| TOTAL OFFICE & RECORDS MANAGEMENT | 215,200 | 247,504 | 265,150 | 269,150 | 177,650 | - | 91,500 | - | - | - | - | - | - |
| CUSTOMER SERVICE & BILLING | | | | | | | | | | | | | |
| Billing | 56,100 | 64,782 | 66,000 | 68,000 | - | 68,000 | - | - | - | - | - | - | - |
| Reporting | 8,200 | 8,429 | 8,500 | 8,500 | - | 8,500 | - | - | - | - | - | - | - |
| TOTAL CUSTOMER SERVICE & BILLING | 64,300 | 85,428 | 87,500 | 89,500 | - | 76,500 | 13,000 | - | - | - | - | - | - |
| PURCHASED WATER & POWER | | | | | | | | | | | | | |
| Water | 1,625,000 | 1,397,112 | 1,512,000 | 1,601,000 | - | - | - | 1,601,000 | - | - | - | - | - |
| Power | 25,000 | 43,120 | 36,000 | 37,000 | - | - | - | 37,000 | - | - | - | - | - |
| TOTAL PURCHASED WATER & POWER | 1,650,000 | 1,440,231 | 1,548,000 | 1,638,000 | - | - | - | 1,638,000 | - | - | - | - | - |
| OPERATIONS & MAINTENANCE | | | | | | | | | | | | | |
| Professional & Other Outside Services | 25,500 | 31,407 | 37,000 | 38,000 | - | - | 36,000 | 2,000 | - | - | - | - | - |
| Supplies & Materials | 101,900 | 95,385 | 98,500 | 100,500 | - | - | 12,000 | 5,000 | - | 40,000 | 39,000 | 4,500 | - |
| Small Tools & Equipment | 3,600 | 11,744 | 12,000 | 12,000 | - | - | 12,000 | - | - | - | - | - | - |
| Telemetry | 14,300 | 9,257 | 12,000 | 12,000 | - | - | - | 12,000 | - | - | - | - | - |
| Field Vehicle Expense | 37,900 | 26,118 | 31,000 | 33,000 | - | - | 33,000 | - | - | - | - | - | - |
| Miscellaneous | 20,400 | 19,441 | 20,500 | 21,000 | - | - | 16,000 | - | - | 4,000 | 1,000 | - | - |
| TOTAL OPERATIONS & MAINTENANCE | 203,600 | 193,351 | 211,000 | 216,500 | - | - | 109,000 | 19,000 | - | 44,000 | 40,000 | 4,500 | - |
| TAXES & FRANCHISE FEES | | | | | | | | | | | | | |
| Taxes | 345,414 | 354,206 | 365,048 | 379,627 | 369,627 | - | 10,000 | - | - | - | - | - | - |
| Franchise fees | 387,362 | 378,558 | 395,606 | 411,444 | 411,444 | - | - | - | - | - | - | - | - |
| TOTAL TAXES & FRANCHISE FEES | 732,776 | 732,764 | 760,654 | 791,071 | 781,071 | - | 10,000 | - | - | - | - | - | - |
| PASS-THRU COSTS | | | | | | | | | | | | | |
| Street Lights/ Charge Point | 8,100 | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL PASS-THRU COSTS | 8,100 | - | - | - | - | - | - | - | - | - | - | - | - |
| EMPLOYEE COSTS | | | | | | | | | | | | | |
| Travel & Training | 49,500 | 51,271 | 50,000 | 50,000 | 32,000 | - | 18,000 | - | - | - | - | - | - |
| Other Employee Costs | 10,700 | 6,709 | 7,600 | 8,000 | - | - | 8,000 | - | - | - | - | - | - |
| Temporary Employee Costs | 6,100 | - | - | - | - | - | - | - | - | - | - | - | - |
| Direct Payroll Costs | 1,203,986 | 1,240,769 | 1,281,780 | 1,320,234 | 441,099 | 169,512 | 345,499 | 31,615 | 15,679 | 49,165 | 91,331 | 26,387 | 149,946 |
| Payroll Benefits | 576,289 | 591,117 | 606,379 | 623,247 | 232,713 | 78,590 | 228,733 | 7,219 | 3,768 | 11,280 | 21,780 | 6,068 | 33,095 |
| Payroll Allocations to Capital | (319,612) | (164,527) | (178,952) | (183,041) | - | - | - | - | - | - | - | - | (183,041) |
| TOTAL EMPLOYEE COSTS | 1,526,963 | 1,725,339 | 1,766,807 | 1,818,439 | 705,812 | 248,102 | 600,232 | 38,834 | 19,447 | 60,445 | 113,111 | 32,455 | - |
| TOTAL OPERATING COSTS | 4,666,239 | 4,665,624 | 4,930,311 | 5,142,861 | 1,984,734 | 324,602 | 823,732 | 1,695,834 | 19,447 | 104,445 | 153,111 | 36,955 | - |



| 2020 - BUDGET DETAIL | 2018 | 2019 | 2020 | Business Admin | Admin - To | Admin - By | Admin - General | Admin - Planning | Public Outreach Commission ers | Public Outreach - Programs | Finance - General | Finance - Planning/ Rates | Cust Service & Billing | Cust Service - General | Cust Service - Billing | Cust Service - Reporting | Field Customer Service | O&M General & Admin | O&M - General Operations | O&M - Safety | Source of Supply & Pump | Source of Supply | Pumping O&M | Telemetry O&M | Storage | Reservoir O&M | Meters & Services | Water Service O&M | Meter O&M | Meter Reading | Dist System | Main O&M | Valve O&M | Water Quality | Hydrants | Labor - Alloc to Capital | |
|--|--------------|---------|---------|----------------|---------------|------------|-----------------|------------------|--------------------------------|----------------------------|-------------------|---------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|---------------------|--------------------------|--------------|-------------------------|------------------|-------------|---------------|---------|---------------|-------------------|-------------------|-----------|---------------|-------------|----------|-----------|---------------|----------|--------------------------|---|
| | Projected YE | Budget | Budget | | All Functions | Customers | 10 | 9 | 13 | 14 | 20 | 21 | | 50 | 51 | 53 | 31 | | 30 | 42 | | 41 | 37 | 38 | | 39 | 33 | 34 | 43 | 32 | | 36 | 40 | 35 | | | |
| Office Supplies & Equipment | 24,387 | 17,650 | 17,650 | 13,650 | - | 13,650 | 13,650 | - | - | - | - | - | - | - | - | - | - | 4,000 | 4,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Computer Systems | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Computer Supplies | 6,309 | 7,000 | 7,000 | 6,000 | - | 6,000 | 6,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Computers & Printers | 232 | 1,000 | 1,000 | 1,000 | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Software | 13,697 | 14,000 | 14,000 | 10,000 | - | 10,000 | 10,000 | - | - | - | - | - | - | - | - | - | - | 4,000 | 4,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Maintenance Agreements | 21,088 | 22,000 | 23,000 | 19,000 | - | 19,000 | 19,000 | - | - | - | - | - | - | - | - | - | - | 4,000 | 4,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Professional Services - Computer | 53,946 | 65,000 | 66,000 | 44,000 | - | 44,000 | 44,000 | - | - | - | - | - | - | - | - | - | - | 22,000 | 22,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Computer Systems | 95,271 | 109,000 | 111,000 | 80,000 | - | 80,000 | 80,000 | - | - | - | - | - | - | - | - | - | - | 31,000 | 31,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phones & Internet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cell Phones | 5,379 | 4,500 | 4,500 | 2,000 | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | 2,500 | 2,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Alarm Monitoring | 2,911 | 3,000 | 3,000 | 1,000 | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phone System & Internet | 27,480 | 28,000 | 29,000 | 18,000 | - | 18,000 | 18,000 | - | - | - | - | - | - | - | - | - | - | 11,000 | 11,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Phones & Internet | 35,769 | 35,500 | 36,500 | 21,000 | - | 21,000 | 21,000 | - | - | - | - | - | - | - | - | - | - | 15,500 | 15,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Building & Grounds - Maintenance & Operations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custodial | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kitchen / Custodial Supplies | 4,781 | 5,000 | 5,000 | 5,000 | - | 5,000 | 5,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Custodial Services | 8,452 | 15,000 | 15,000 | 14,000 | - | 14,000 | 14,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Custodial | 13,233 | 20,000 | 20,000 | 19,000 | - | 19,000 | 19,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Utilities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Utilities - Electric | 22,370 | 23,000 | 23,000 | 13,000 | - | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | 10,000 | 10,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Utilities - Garbage | 6,054 | 6,000 | 6,000 | 3,000 | - | 3,000 | 3,000 | - | - | - | - | - | - | - | - | - | - | 3,000 | 3,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Utilities - Sewer | 3,309 | 3,500 | 3,500 | 1,500 | - | 1,500 | 1,500 | - | - | - | - | - | - | - | - | - | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Utilities - Gas | 5,037 | 5,000 | 5,000 | 2,000 | - | 2,000 | 2,000 | - | - | - | - | - | - | - | - | - | - | 3,000 | 3,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Utilities | 36,770 | 37,500 | 37,500 | 19,500 | - | 19,500 | 19,500 | - | - | - | - | - | - | - | - | - | - | 18,000 | 18,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Maintenance & Repairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maintenance - Buildings | 4,974 | 5,000 | 5,000 | 4,000 | - | 4,000 | 4,000 | - | - | - | - | - | - | - | - | - | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Maintenance - Grounds | 6,921 | 7,000 | 7,000 | 7,000 | - | 7,000 | 7,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Maint & Repairs - General | 20,170 | 21,000 | 22,000 | 1,000 | - | 1,000 | 1,000 | - | - | - | - | - | - | - | - | - | - | 21,000 | 21,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Maintenance & Repairs | 32,065 | 33,000 | 34,000 | 12,000 | - | 12,000 | 12,000 | - | - | - | - | - | - | - | - | - | - | 22,000 | 22,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Building & Grounds Maint & R | 82,068 | 90,500 | 91,500 | 50,500 | - | 50,500 | 50,500 | - | - | - | - | - | - | - | - | - | - | 41,000 | 41,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL OFFICE & RECORDS MANAGE | 247,504 | 265,150 | 269,150 | 177,650 | - | 177,650 | 177,650 | - | - | - | - | - | - | - | - | - | - | 91,500 | 91,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| CUSTOMER SERVICE & BILLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Billing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outside Billing | 34,433 | 35,000 | 36,000 | - | - | - | - | - | - | - | - | - | 36,000 | - | 36,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Postage | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| E-Payment Service | 30,349 | 31,000 | 32,000 | - | - | - | - | - | - | - | - | - | 32,000 | - | 32,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Billing | 64,782 | 66,000 | 68,000 | - | - | - | - | - | - | - | - | - | 68,000 | - | 68,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Customer Claims | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer Claims | 12,217 | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Customer Claims | 12,217 | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Reporting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Consumer Confidence Report | 8,429 | 8,500 | 8,500 | - | - | - | - | - | - | - | - | - | 8,500 | - | - | 8,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Reporting | 8,429 | 8,500 | 8,500 | - | - | - | - | - | - | - | - | - | 8,500 | - | - | 8,500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL CUSTOMER SERVICE & BILLIN | 85,428 | 87,500 | 89,500 | - | - | - | - | - | - | - | - | - | 76,500 | - | 68,000 | 8,500 | - | 13,000 | 13,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| PURCHASED WATER & POWER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Water Purchased from Seattle Public Utilities (SPU)

2019-2020 - Budget


| 2018 Actual | | | | | | | Rates | | | | Water Purchase Costs Projected for 2018 | | | | |
|--------------|---------------------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---|-------------------|---------------------|-------------|-----------------------------------|
| Month | Old Cons. Allowance | Total Cons. | Old Cons. Remaining | Old Cons. 193 & 194 | New Cons. Remaining | New Cons. 193 & 194 | New Rate: Remaining | New Rate: 193 & 194 | New Cons.: Remaining | New Cons.: 193 & 194 | Old Cons. | New Cons. | Subtotal | Adjustment | Total |
| January | 61,134 | 52,041 | 32,301 | 4,381 | 19,740 | 2,678 | \$ 1.50 | \$ 0.07 | \$ 1.42 | \$ 0.07 | \$ 48,759 | \$ 28,218 | \$ 76,976 | | \$ 76,976 |
| February | 84,437 | 49,659 | 49,659 | 10,066 | - | - | \$ 1.50 | \$ 0.07 | | | \$ 75,193 | \$ - | \$ 75,193 | | \$ 75,193 |
| March | 76,583 | 56,803 | 56,803 | 9,146 | - | - | \$ 1.50 | \$ 0.07 | | | \$ 85,845 | \$ - | \$ 85,845 | | \$ 85,845 |
| April | 64,987 | 52,748 | 52,748 | 11,730 | - | - | \$ 1.50 | \$ 0.07 | | | \$ 79,943 | \$ - | \$ 79,943 | | \$ 79,943 |
| May | 75,759 | 58,181 | 54,169 | 9,258 | 4,012 | - | \$ 1.50 | \$ 0.07 | \$ 2.22 | \$ 0.07 | \$ 81,901 | \$ 8,908 | \$ 90,809 | | \$ 90,809 |
| June | 105,157 | 74,575 | - | - | 74,575 | 7,299 | \$ 1.50 | \$ 0.07 | \$ 2.22 | \$ 0.07 | \$ - | \$ 166,067 | \$ 166,067 | | \$ 166,067 |
| July | 135,512 | 85,251 | - | - | 85,251 | 6,925 | \$ 1.50 | \$ 0.07 | \$ 2.22 | \$ 0.07 | \$ - | \$ 189,742 | \$ 189,742 | | \$ 189,742 |
| August | 208,555 | 97,215 | - | - | 97,215 | 5,953 | \$ 1.50 | \$ 0.07 | \$ 2.22 | \$ 0.07 | \$ - | \$ 216,234 | \$ 216,234 | | \$ 216,234 |
| September | 65,399 | 76,742 | 13,023 | - | 63,719 | 6,684 | \$ 1.50 | \$ 0.08 | \$ 2.22 | \$ 0.07 | \$ 19,534 | \$ 141,924 | \$ 161,459 | | \$ 161,459 |
| October | 79,523 | 58,642 | 58,642 | 11,991 | - | - | \$ 1.50 | \$ 0.08 | \$ 2.22 | \$ 0.07 | \$ 88,970 | \$ - | \$ 88,970 | | \$ 88,970 |
| November | 74,845 | 58,636 | 58,636 | 13,251 | - | - | \$ 1.50 | \$ 0.08 | \$ 2.22 | \$ 0.07 | \$ 89,067 | \$ - | \$ 89,067 | | \$ 89,067 |
| December | 74,029 | 53,611 | 53,611 | 9,698 | - | - | \$ 1.50 | \$ 0.08 | \$ 2.22 | \$ 0.07 | \$ 81,231 | \$ - | \$ 81,231 | | \$ 81,231 |
| TOTAL | 1,105,920 | 774,104 | 429,592 | 79,521 | 344,512 | 29,539 | | | | | \$ 650,443 | \$ 751,093 | \$ 1,401,536 | \$ - | \$ 1,401,536 |
| | | | | | | | | | | | | | | | 2018 Cash Flow \$ 1,397,112 |

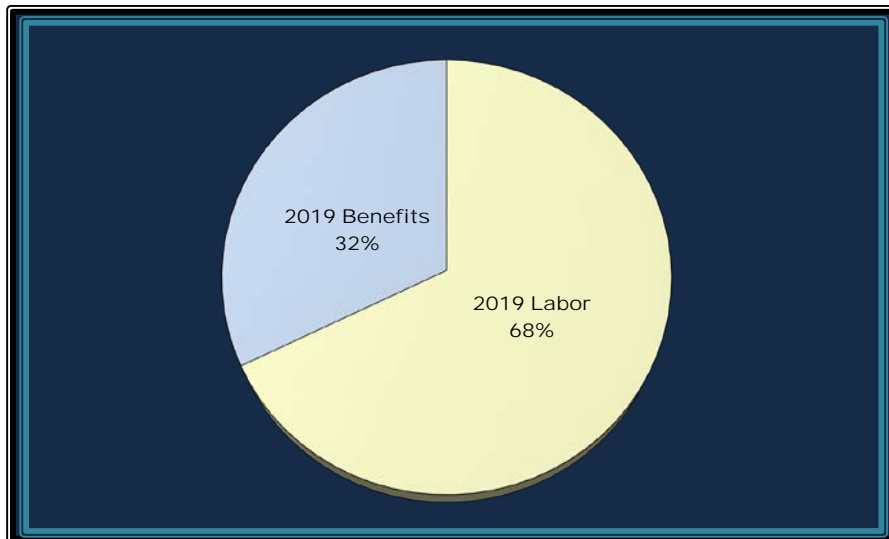
| 2019 Budget | | | | | | | Rates | | | | Water Purchase Costs Projected for 2019 | | | | |
|--------------|---------------------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---|-------------------|---------------------|-------------|--------------------------------|
| Month | Old Cons. Allowance | Total Cons. | Old Cons. Remaining | Old Cons. 193 & 194 | New Cons. Remaining | New Cons. 193 & 194 | New Rate: Remaining | New Rate: 193 & 194 | New Cons.: Remaining | New Cons.: 193 & 194 | Old Cons. | New Cons. | Subtotal | Adjustment | Total |
| January | 61,134 | 68,032 | 68,032 | 7,052 | - | - | \$ 1.58 | \$ 0.07 | \$ 1.50 | \$ 0.07 | \$ 107,984 | \$ - | \$ 107,984 | | \$ 107,984 |
| February | 84,437 | 51,796 | 51,796 | 19,555 | - | - | \$ 1.58 | \$ 0.07 | | | \$ 83,207 | \$ - | \$ 83,207 | | \$ 83,207 |
| March | 76,583 | 51,921 | 51,921 | 18,419 | - | - | \$ 1.58 | \$ 0.07 | | | \$ 83,325 | \$ - | \$ 83,325 | | \$ 83,325 |
| April | 64,987 | 56,662 | 56,662 | 12,716 | - | - | \$ 1.58 | \$ 0.07 | | | \$ 90,416 | \$ - | \$ 90,416 | | \$ 90,416 |
| May | 75,759 | 64,123 | 57,411 | 252 | 6,712 | 28 | \$ 1.58 | \$ 0.07 | \$ 2.36 | \$ 0.07 | \$ 90,727 | \$ 15,843 | \$ 106,570 | | \$ 106,570 |
| June | 105,157 | 76,352 | - | - | 76,352 | 3,985 | \$ 1.58 | \$ 0.07 | \$ 2.36 | \$ 0.07 | \$ - | \$ 180,470 | \$ 180,470 | | \$ 180,470 |
| July | 135,512 | 77,231 | - | - | 77,231 | 9,033 | \$ 1.58 | \$ 0.07 | \$ 2.36 | \$ 0.07 | \$ - | \$ 182,897 | \$ 182,897 | | \$ 182,897 |
| August | 208,555 | 87,495 | - | - | 87,495 | 6,526 | \$ 1.58 | \$ 0.07 | \$ 2.36 | \$ 0.07 | \$ - | \$ 206,945 | \$ 206,945 | | \$ 206,945 |
| September | 65,399 | 82,274 | 14,777 | 1,681 | 67,497 | 7,562 | \$ 1.58 | \$ 0.08 | \$ 2.36 | \$ 0.07 | \$ 23,489 | \$ 159,822 | \$ 183,311 | | \$ 183,311 |
| October | 79,523 | 59,399 | 59,399 | 8,693 | - | - | \$ 1.58 | \$ 0.08 | \$ 2.36 | \$ 0.07 | \$ 94,581 | \$ - | \$ 94,581 | | \$ 94,581 |
| November | 74,845 | 60,530 | 60,530 | 36,147 | - | - | \$ 1.58 | \$ 0.08 | \$ 2.36 | \$ 0.07 | \$ 98,674 | \$ - | \$ 98,674 | | \$ 98,674 |
| December | 74,029 | 57,410 | 57,410 | 35,159 | - | - | \$ 1.58 | \$ 0.08 | \$ 2.36 | \$ 0.07 | \$ 93,661 | \$ - | \$ 93,661 | | \$ 93,661 |
| TOTAL | 1,105,920 | 793,225 | 477,938 | 139,674 | 315,287 | 27,134 | | | | | \$ 766,062 | \$ 745,977 | \$ 1,512,040 | \$ - | \$ 1,512,040 |
| | | | | | | | | | | | | | | | 2019 Budget \$ 1,512,000 |


| 2020 Budget | | | | | | | Rates | | | | Water Purchase Costs Projected for 2020 | | | | |
|--------------|---------------------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---|-------------------|---------------------|-------------|--------------------------------|
| Month | Old Cons. Allowance | Total Cons. | Old Cons. Remaining | Old Cons. 193 & 194 | New Cons. Remaining | New Cons. 193 & 194 | New Rate: Remaining | New Rate: 193 & 194 | New Cons.: Remaining | New Cons.: 193 & 194 | Old Cons. | New Cons. | Subtotal | Adjustment | Total |
| January | 61,134 | 68,032 | 68,032 | 7,052 | - | - | \$ 1.67 | \$ 0.07 | \$ 1.58 | \$ 0.07 | \$ 114,107 | \$ - | \$ 114,107 | | \$ 114,107 |
| February | 84,437 | 51,796 | 51,796 | 19,555 | - | - | \$ 1.67 | \$ 0.07 | | | \$ 87,868 | \$ - | \$ 87,868 | | \$ 87,868 |
| March | 76,583 | 51,921 | 51,921 | 18,419 | - | - | \$ 1.67 | \$ 0.07 | | | \$ 87,997 | \$ - | \$ 87,997 | | \$ 87,997 |
| April | 64,987 | 56,662 | 56,662 | 12,716 | - | - | \$ 1.67 | \$ 0.07 | | | \$ 95,516 | \$ - | \$ 95,516 | | \$ 95,516 |
| May | 75,759 | 64,123 | 57,411 | 252 | 6,712 | 28 | \$ 1.67 | \$ 0.07 | \$ 2.50 | \$ 0.07 | \$ 95,894 | \$ 16,783 | \$ 112,676 | | \$ 112,676 |
| June | 105,157 | 76,352 | - | - | 76,352 | 3,985 | \$ 1.67 | \$ 0.07 | \$ 2.50 | \$ 0.07 | \$ - | \$ 191,159 | \$ 191,159 | | \$ 191,159 |
| July | 135,512 | 77,231 | - | - | 77,231 | 9,033 | \$ 1.67 | \$ 0.07 | \$ 2.50 | \$ 0.07 | \$ - | \$ 193,710 | \$ 193,710 | | \$ 193,710 |
| August | 208,555 | 87,495 | - | - | 87,495 | 6,526 | \$ 1.67 | \$ 0.07 | \$ 2.50 | \$ 0.07 | \$ - | \$ 219,194 | \$ 219,194 | | \$ 219,194 |
| September | 65,399 | 82,274 | 14,777 | 1,681 | 67,497 | 7,562 | \$ 1.67 | \$ 0.10 | \$ 2.50 | \$ 0.07 | \$ 24,847 | \$ 169,272 | \$ 194,119 | | \$ 194,119 |
| October | 79,523 | 59,399 | 59,399 | 8,693 | - | - | \$ 1.67 | \$ 0.10 | \$ 2.50 | \$ 0.07 | \$ 100,073 | \$ - | \$ 100,073 | | \$ 100,073 |
| November | 74,845 | 60,530 | 60,530 | 36,147 | - | - | \$ 1.67 | \$ 0.10 | \$ 2.50 | \$ 0.07 | \$ 104,729 | \$ - | \$ 104,729 | | \$ 104,729 |
| December | 74,029 | 57,410 | 57,410 | 35,159 | - | - | \$ 1.67 | \$ 0.10 | \$ 2.50 | \$ 0.07 | \$ 99,419 | \$ - | \$ 99,419 | | \$ 99,419 |
| TOTAL | 1,105,920 | 793,225 | 477,938 | 139,674 | 315,287 | 27,134 | | | | | \$ 810,449 | \$ 790,117 | \$ 1,600,566 | \$ - | \$ 1,600,566 |
| | | | | | | | | | | | | | | | 2020 Budget \$ 1,601,000 |



Employee Costs

|  | Labor and Benefits Summary <i>(Before Capitalization)</i> | | |
|---|---|-------------------|---------------------|
| | 2019 - Budget | | |
| | DIRECT LABOR | TOTAL BENEFITS | COMBINED TOTAL |
| Total Projected Labor and Benefits for 2018 | \$ 1,240,313 | \$ 591,080 | \$ 1,831,393 |
| Base Labor and Benefits for 2019 | \$ 1,228,740 | \$ 595,913 | \$ 1,824,653 |
| Add Step Increases | \$ 10,201 | \$ 2,104 | \$ 12,305 |
| 3% COLA and Benefit Increase for Employees | \$ 42,839 | \$ 8,365 | \$ 51,204 |
| TOTAL LABOR AND BENEFITS FOR 2019 (Cash Basis) | \$ 1,281,780 | \$ 606,382 | \$ 1,888,163 |
| <i>2019 Total Increase (Decrease) over 2018</i> | <i>\$ 41,467</i> | <i>\$ 15,303</i> | <i>\$ 56,770</i> |
| <i>Percent Increase (Decrease) over 2018</i> | <i>3.3%</i> | <i>2.6%</i> | <i>3.1%</i> |



|  | | 2019 Salaries & Wages | | | | |
|---|-------|----------------------------|-----------------------------|-----------------------------|----------------------------|------------------------------|
| | | 2019 - Budget | | | | |
| MANAGEMENT | | Across the Board Increase | 3.3% | Lump sum | \$ - | |
| TITLE | Steps | Step 1 | Step 2 | Step 3 | Step 4 | Step 5 |
| Finance Manager | 5 | \$ 101,334.12 | \$ 112,124.51 | \$ 117,994.05 | \$ 124,172.50 | \$ 130,435.92 |
| Operations Manager Certification Pay (5%) | 5 | \$ 101,334.12 | \$ 112,124.51 | \$ 117,994.05 | \$ 124,172.50 | \$ 130,435.92 \$ 6,521.80 |
| FINANCE & ADMIN.DEPARTMENT | | | | | | |
| TITLE | Steps | Step 1 | Step 2 | Step 3 | Step 4 | |
| Senior Accountant / Assistant Finance Manager (Step 4) | 4 | \$ 69,822.49 \$ 33.5685 | \$ 74,078.09 \$ 35.6145 | \$ 78,190.46 \$ 37.5916 | \$ 88,355.22 \$ 42.4785 | |
| Executive Assistant rate per hour | 3 | \$ 60,281.28 \$ 28.9814 | \$ 65,354.49 \$ 31.4204 | \$ 70,287.90 \$ 33.7923 | \$ 73,802.29 \$ 35.4819 | |
| Customer & Vendor Care Supervisor rate per hour | 3 | \$ 65,399.92 \$ 31.4423 | \$ 68,669.92 \$ 33.0144 | \$ 72,103.41 \$ 34.6651 | \$ 75,708.58 \$ 36.3984 | |
| Customer & Vendor Care Specialist rate per hour | 3 | \$ 56,067.83 \$ 26.9557 | \$ 58,871.23 \$ 28.3035 | \$ 61,814.79 \$ 29.7186 | | |
| OPERATIONS DEPARTMENT | | | | | | |
| TITLE | | Step 1 | Step 2 | Step 3 | | |
| Field Inspector/Project Manager rate per hour | 3 | \$ 96,684.59 \$ 46.4830 | \$ 101,488.65 \$ 48.7926 | \$ 106,532.90 \$ 51.2177 | | |
| Field Inspector/GIS/Mapping rate per hour | 3 | \$ 69,849.00 \$ 33.5812 | \$ 73,341.45 \$ 35.2603 | \$ 78,190.11 \$ 37.5914 | | |
| TITLE | | YEAR 1 | YEAR 2+ | | | |
| Operations Lead rate per hour | 2 | \$ 84,252.38 \$ 40.5060 | \$ 90,313.49 \$ 43.4199 | | | |
| Utility Person IV / Water Quality rate per hour | 2 | \$ 73,341.45 \$ 35.2603 | \$ 78,190.11 \$ 37.5914 | | | |
| Utility Person IV rate per hour | 2 | \$ 73,341.45 \$ 35.2603 | \$ 78,190.11 \$ 37.5914 | | | |
| Utility Person III rate per hour | 2 | \$ 64,855.43 \$ 31.1805 | \$ 68,491.64 \$ 32.9287 | | | |
| Utility Person II rate per hour | 2 | \$ 58,793.16 \$ 28.2659 | \$ 62,430.52 \$ 30.0147 | | | |
| Utility Person I rate per hour | 2 | \$ 53,096.92 \$ 25.5274 | \$ 56,369.40 \$ 27.1007 | | | |
| On-Call Pay - rate per week | | \$ 370.73 | | | | |



Labor and Benefits Summary
(Before Capitalization)

2020 - Budget

| DIRECT LABOR | TOTAL BENEFITS | COMBINED TOTAL |
|--------------|----------------|----------------|
|--------------|----------------|----------------|

Total Projected Labor and Benefits for 2019

Base Labor and Benefits for 2020

Add Step Increases

3% COLA and Benefit Increase for Employees

TOTAL LABOR AND BENEFITS FOR 2020 (Cash Basis)

2019 Total Increase (Decrease) over 2018

Percent Increase (Decrease) over 2018

**To be computed at the end of 2019 for 2020.
A 3% increase was used for payroll costs across
the board in the forecast, but it may be more or less.**



Capital Costs



Capital Plan Summary

2019-2030 - Budget / Forecast

| Capital Forecast | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025-2030 | 2016-2030 |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| SOURCES: | | | | | | | | | |
| Capital Account Beginning Balance | \$ 1,920,865 | \$ 9,440,183 | \$ 5,643,648 | \$ 7,451,808 | \$ 7,791,613 | \$ 8,190,836 | \$ 9,284,464 | \$ 7,876,679 | \$ 1,920,865 |
| Transfers from the Maintenance Fund | 4,689,271 | 1,374,600 | 1,485,584 | 1,498,435 | 1,411,865 | 1,525,899 | 1,640,564 | 10,170,247 | 23,796,466 |
| Interest Earnings | 238,665 | 94,402 | 56,436 | 111,777 | 116,874 | 122,863 | 139,267 | 748,501 | 1,628,785 |
| Bond Proceeds | 7,844,610 | | | | | | | 5,000,000 | 12,844,610 |
| DWSRF Loan | 2,087,042 | | | | | | | | 2,087,042 |
| Transfer Bond Fund | 1,099,148 | 194,000 | 76,920 | - | - | - | - | - | 1,370,068 |
| Connection Fees | 1,142,878 | 734,710 | 271,604 | 375,791 | 233,764 | 371,084 | 36,674 | 1,778,027 | 4,944,531 |
| Sale of Old Maintenance Property | - | | 2,000,000 | | | | | | 2,000,000 |
| TOTAL SOURCES | 19,022,477 | 11,837,895 | 9,534,193 | 9,437,812 | 9,554,116 | 10,210,681 | 11,100,969 | 25,573,453 | 50,592,366 |
| USES: | | | | | | | | | |
| 1 Other Projects 2016-2018 | 450,527 | | | | | | | | 450,527 |
| 2 NCPS | 4,769,611 | | | | | | | | 4,769,611 |
| 3 Vactor Truck | 496,370 | - | - | - | - | - | 597,026 | | 1,093,396 |
| 4 Maintenance Building | 3,550,152 | 5,517,927 | 1,113,882 | - | - | - | - | | 10,181,961 |
| 5 Water System Plan Updates | 315,634 | 44,614 | - | - | - | - | - | | 360,248 |
| 6 GIS Project | - | 200,953 | 189,393 | 209,756 | 146,414 | 131,252 | 138,665 | | 1,016,435 |
| 7 System Upgrades Water Quality | - | - | - | - | - | 223,545 | 200,622 | | 424,168 |
| 8 Booster Stations Rehabilitation/Replace | - | - | - | - | - | - | 87,050 | | 87,050 |
| 9 System-wide - R&R PRV Stations | - | - | 137,014 | 141,222 | 10,561 | - | - | | 288,797 |
| 10 2.0 MG Reservoir Capital Imp - Const | - | - | 212,339 | - | - | - | - | | 212,339 |
| 11 Install individual PRVs new 520 zone (CIP 501) | - | - | - | 493,889 | - | - | - | | 493,889 |
| 12 Install new 8" main and 2 check valves (CIP 502) | - | - | - | 62,497 | 666,248 | - | - | | 728,745 |
| 13 Install new 8" main and check valve (CIP 503) | - | - | 59,875 | 460,386 | - | - | - | | 520,261 |
| 14 Install new 12" main - N/S 520 zone (CIP 504) | - | - | - | 10,927 | 33,352 | - | - | | 44,279 |
| 15 Remove PRV-5 (CIP 505) | - | - | - | - | 5,291 | - | - | | 5,291 |
| 16 Install 8" water mains for looping (CIP 506) | - | - | - | - | 34,137 | 211,039 | - | | 245,176 |
| 17 Relocate PRV-2 (CIP 507) | - | - | - | 13,564 | 73,725 | - | - | | 87,289 |
| 18 Install 8" main across Hamlin Park (CIP 608) | - | - | - | - | - | - | 42,714 | 288,629 | 331,342 |
| 19 Install 12" main to create trans line (CIP 609) | - | - | - | - | - | 130,661 | 1,849,908 | | 1,980,569 |
| 20 Upgrade Supply Station 1 (CIP 610) | - | - | - | - | 22,882 | 61,317 | - | | 84,199 |
| 21 CIP 12 - NE 200th St./25th Ave. NE | - | - | - | - | 202,420 | - | - | | 202,420 |
| 22 Shake Alert | - | 84,278 | - | - | - | - | - | | 84,278 |
| 23 Telemetry | - | 77,930 | 28,126 | - | - | - | - | | 106,056 |
| 24 Meters/Services | - | 85,993 | 71,842 | 66,761 | 67,229 | 67,715 | 68,221 | | 427,760 |
| 25 Hydrant Replacement | - | 38,417 | 39,197 | 40,000 | 40,828 | 41,680 | 42,558 | | 242,679 |
| 26 Valve Replacement | - | 24,337 | 25,141 | 25,971 | 26,830 | 27,717 | 28,634 | | 158,630 |
| 27 Technology Additions & Replacement | - | 28,690 | 15,815 | 11,595 | 20,250 | 17,785 | 26,190 | | 120,325 |
| 28 Tools, Equipment & Furniture | - | 57,000 | 157,360 | 12,731 | 13,113 | 13,506 | 13,911 | | 267,621 |
| 29 Engineering Reports | - | 34,108 | 32,401 | 96,899 | - | - | 128,789 | | 292,198 |
| 30 On-going Projects | - | - | - | - | - | - | - | 20,361,665 | 20,361,665 |
| TOTAL USES | 9,582,294 | 6,194,247 | 2,082,385 | 1,646,199 | 1,363,280 | 926,218 | 3,224,290 | 20,650,293 | 45,669,206 |
| ENDING BALANCE (Net Surplus) | \$9,440,183 | \$5,643,648 | \$7,451,808 | \$7,791,613 | \$8,190,836 | \$9,284,464 | \$7,876,679 | \$4,923,160 | \$4,923,160 |



Capital Plan - Project
2019-2024 - Budget / Forecast
Maintenance Building

Status: Ongoing
Funding Source: Rates
 2016 Bond Proceeds
 Sale of existing maintenance building

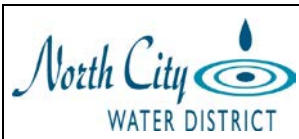
Locations: 15555 15th Ave NE
Permits: Special Use Permit, Building, Electrical, Plumbing, Fire, Sewer & ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|-----------------------------------|---------------------|---------------------|---------------------|-------------|-------------|-------------|-------------|---------------------|----------------------|
| Design | \$ 649,378 | \$ 70,000 | \$ - | \$ - | \$ - | \$ - | \$ - | 70,000 | \$ 719,378 |
| Site Work | 2,410,000 | 1,173,130 | - | - | - | - | - | 1,173,130 | 3,583,130 |
| Building Costs | - | 3,600,028 | 1,007,373 | - | - | - | - | 4,607,402 | 4,607,402 |
| Permit | 80,000 | 5,000 | - | - | - | - | - | 5,000 | 85,000 |
| Contingency for buildings | - | 345,071 | 50,000 | - | - | - | - | 395,071 | 395,071 |
| Crew time - design/const & moving | 4,587 | 22,576 | 5,870 | - | - | - | - | 28,446 | 33,033 |
| Project management | 68,895 | 92,248 | 47,969 | - | - | - | - | 140,217 | 209,112 |
| Management review | 11,008 | 9,874 | 2,670 | - | - | - | - | 12,544 | 23,552 |
| Legal & other | 6,175 | - | - | - | - | - | - | - | 6,175 |
| Capitalized Interest | 320,000 | 200,000 | - | - | - | - | - | 200,000 | 520,000 |
| Total Costs | \$ 3,550,043 | \$ 5,517,927 | \$ 1,113,882 | \$ - | \$ - | \$ - | \$ - | \$ 6,631,809 | \$ 10,181,852 |

Project description: Purchase land, design and construct a new maintenance facility. Project assumes to include: Special Use Permit for both reusing existing building and construct new buildings, \$965,000 for design costs, two contracts - a site work contract for \$2,490,000, a second contract for admin and shops building and decant building plus generator in 2018, the expanded shops and wash building are assumed to be constructed in 2019. Contingency of 5% or \$400,000. Amounts in text are in 2018 dollars and inflated by inflation.

Rationale: North City Water District has purchased property for a new facility. The costs for operating the existing maintenance building have increased and is becoming unsafe for the crews to be located at. When the District first contracted with Driftmeier Architects, the Architects identified that "the existing Operations facility is completely inadequate for the District's needs and should be replaced". The District attempted to share in the cost of co-locating with the City of Shoreline's purchase of Brugger's Bog property but was unsuccessful. The District has recently selected an Architect and expects to do this project in phases: Develop a Master Plan for the site, Design and Construction. The project is expected to take approximately two to three years.

GL Code:
Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
2020 Water System Plan & Conservation Plan

Status: Ongoing
 Funding Source: Rates

Locations: District wide
 Permits: None; DOH and King County approval req'd

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|-----------------------------|-------------------|------------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------------|
| Consulting | \$ 315,634 | \$ 35,000 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 35,000 | \$ 350,634 |
| Crew time | - | - | - | - | - | - | - | - | - |
| Project management / review | - | 3,690 | - | - | - | - | - | 3,690 | 3,690 |
| Management review | - | 5,924 | - | - | - | - | - | 5,924 | 5,924 |
| Legal & other | - | - | - | - | - | - | - | - | - |
| Total Costs | \$ 315,634 | \$ 44,614 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 44,614 | \$ 360,248 |

Project description: North City Water District's water system plan was adopted by the Board of Commissioners in 2011. The District made changes to the plan based on review comments and was approved by King County in December 2013 and DOH in January 2014. The District calibrated and update its hydraulic model in 2018. The Water System Plan will be submitted to DOH and King County for approval in 2019. The District will be requesting to DOH that we move from the 6 year to the 10 year approval cycle with the submission of this plan.

Rationale: North City Water District supports the public health and safety, a healthy and sustainable environment and economy by providing a reliable source of safe, high-quality drinking water that meets all the District customers in an economic and environmentally responsible needs. During a WSP update, the District considered: (1) operating policies and customer level of service, (2) system vulnerabilities and emergency preparedness; and (3) water system needs of the next 20 years to meet anticipated population and employment growth and changing water regulation. Given that there has been a short time period since the last WSP was approved, it is likely DOH and King County will allow North City Water District to do an amendment and only update those portions of the plan that require updating. The City of Shoreline is changing their comprehensive plan to allow for redevelopment of the areas near the NE 145th and 185th Street light rail stations adjacent to the I5 corridor. Water service for redeveloping properties in these areas will be part of any developer extension agreements. It is unknown of many feet and what diameter of water mains will be required to support these redevelopment areas. The total cost and funding sources of these redevelopment areas are unknown as this time.

GL Code:
 Other project names:



| |
|--------------------------------------|
| Capital Plan - Project |
| 2019-2024 - Budget / Forecast |
| GIS/Mapping Project |

Status: Ongoing
 Funding Source: Rates

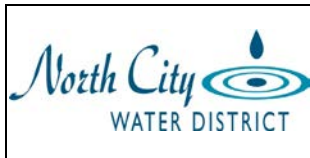
Locations: District wide
 Permits: None

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|-----------------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|
| Arials | | \$ - | \$ 2,122 | \$ - | \$ - | \$ - | \$ 2,388 | \$ 4,510 | \$ 4,510 |
| Equipment | | 18,000 | - | 18,000 | - | - | - | 36,000 | 36,000 |
| ESRI software | | 20,000 | 20,600 | 21,218 | 21,855 | 22,510 | 23,185 | 129,368 | 129,368 |
| Mapping/GIS Consultant | | 70,000 | 70,000 | 70,000 | 20,000 | - | - | 230,000 | 230,000 |
| District labor | | 55,419 | 57,636 | 59,941 | 62,339 | 64,832 | 67,426 | 367,592 | 367,592 |
| Project management / review | | 37,534 | 39,036 | 40,597 | 42,221 | 43,910 | 45,666 | 248,965 | 248,965 |
| Total Costs | \$ - | \$ 200,953 | \$ 189,393 | \$ 209,756 | \$ 146,414 | \$ 131,252 | \$ 138,665 | \$ 1,016,435 | \$ 1,016,435 |

Project description: Purchase ESRI software for one GIS station for the District. Annual costs will depend on the version purchased. North City Water District staff will work on scanning the district documents (\$15,000 - Scanner, \$6,000 - scanner software), locating valves, hydrants, water mains and meter boxes.

Rationale: North City Water District takes pride in reinvesting into its system. District maps have not been updated for several years and must be done to reflect the changes in the District's system otherwise, they are unusable by staff and property owners. We will also be tying in the information with the financial database as the GIS system is updated. The District will be doing much of this work in-house over several years to more evenly distribute the project costs. Some assistance with an outside agency or consultant may be utilized but unknown at this time.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
System Upgrades Water Quality

Status: Projected
 Funding Source: Rates

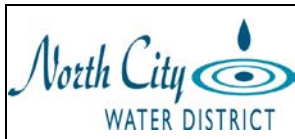
Locations: unknown
 Permits: Building, Electrical, & ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|-----------------------|-----------|------|------|------|------|------------|------------|------------|------------|
| Design | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 17,911 | \$ 17,911 | \$ 17,911 |
| Construction | | - | - | - | - | 218,545 | 125,375 | 343,921 | 343,921 |
| Inspection - In-house | | - | - | - | - | - | 61,646 | 61,646 | 61,646 |
| Crew time | | - | - | - | - | - | 6,867 | 6,867 | 6,867 |
| Project management | | - | - | - | - | - | 6,734 | 6,734 | 6,734 |
| Legal & other | | - | - | - | - | 5,000 | - | 5,000 | 5,000 |
| Total Costs | | \$ - | \$ - | \$ - | \$ - | \$ 223,545 | \$ 200,622 | \$ 424,168 | \$ 424,168 |

Project description: The District will continue to monitor the water quality at the 16 different sampling stations. With the new capital projects and changes in the District operations, the District will consider adding a water quality injection station, the location yet to be determined.

Rationale: Adding a chlorine injection station will improve chlorine residues in the system .

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Booster Station Replacement

Status: Ongoing
 Funding Source: Rates and PWTf Loan or Bonds

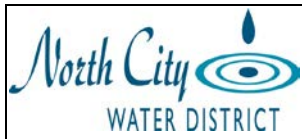
Locations: Multiple
 Permits: Building, Electrical, Plumbing, Fire & ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|------------------|------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 75,000 | \$ 75,000 | \$ 75,000 |
| Construction | | - | - | - | - | - | - | - | - |
| Contingency | | - | - | - | - | - | - | - | - |
| Crew time | | - | - | - | - | - | - | - | - |
| Inspection | | - | - | - | - | - | - | - | - |
| Project management | | - | - | - | - | - | 2,245 | - | - |
| Management review | | - | - | - | - | - | 4,805 | - | - |
| Legal & other | | - | - | - | - | - | 5,000 | - | - |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 87,050 | \$ 75,000 | \$ 75,000 |

Project description: Relocate both booster pump stations so that they are no longer located below ground within in the right of way. Both underground stations do not have the use of a portable generator. This project assumes to include a predesign report is completed for each station. Booster Station 1 will be relocated to the District's maintenance facility site. The location of Booster Station 2 is unknown, however costs are included for land purchase. Amounts in text are in 2018 dollars. - amounts shown in table are inflated. Design expected to begin in 2025.

Rationale: North City Water District has two booster pump stations. A predesign report will be completed for each pump station as it nears the end of its useful life to consider basic improvements to complete reconstruction. Booster station 1 was originally constructed in 1963 and rehabilitated in 1989 (26 years old in 2017). Booster station 2 was originally constructed in 1963 and rehabilitated in 1992 (23 years old in 2017). The new construction will require a new structure, pumps, piping and electrical similar to the North City/Denny Clouse Pump station, except to be 1/3 the size and costs. Back up electrical will be required, Goal is to apply for a Public Works Trust Fund loan for these projects

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
System-wide Rebuild/Replace PRV Stations

Status: Ongoing
 Funding Source: Rates

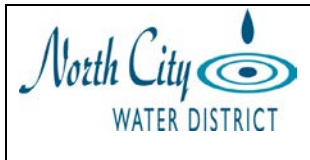
Locations: Various
 Permits: Not required unless vault is replaced, then RO'

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------------|-------------------|------------------|-------------|-------------|-------------------|-------------------|
| Construction | \$ - | \$ - | \$ 127,250 | \$ 131,068 | \$ - | \$ - | \$ - | \$ 258,318 | \$ 258,318 |
| Crew time | - | - | 8,805 | 9,157 | 9,523 | - | - | 27,484 | 27,484 |
| Project management | - | - | 959 | 998 | 1,038 | - | - | 2,995 | 2,995 |
| Total Costs | \$ - | \$ - | \$ 137,014 | \$ 141,222 | \$ 10,561 | \$ - | \$ - | \$ 288,797 | \$ 288,797 |

Project description: This ongoing program consists of the rehabilitation or replacement of old and deteriorating pressure reducing valves (PRVs) throughout the service area. The number of pressure reducing valves that are rehabilitated is estimated to be 2 to 3 per year based on the annual program budget and the rehabilitation costs. Replacement criteria includes service requirements, safety, maintenance history, age and availability of replacement parts. In 2011, PRV 5 was rebuilt. In 2014, PRVs 7 and 9 were replaced. In 2016, PRV 5 was rebuilt.

Rationale: North City Water District includes 13 PRVs that supply water throughout the District. During normal operation, they may sustain the water pressure to homes and businesses in service areas of similar elevation, known as pressure zones. When they sense a drop in system pressure, these valves open wide to provide additional water to fight fires or in response to their supply deficiencies. PRVs require rehabilitation or replacement every 25 years, as parts become obsolete and mechanical wear leads to unreliable performance. Some of the PRVs have small vaults with difficult access. These vaults make the increased maintenance and repair work problematic; are too small to accommodate newer valves and fitting, and in some cases raise safety concerns for personnel. Permits may be required if the vaults are replaced.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
2.0 MG Reservoir Misc Capital Improvements

Status: Projected
 Funding Source: Rates

Locations: 2.0 MG reservoir site
 Permits:

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------------|-------------|-------------|-------------|-------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ 53,045 | \$ - | \$ - | \$ - | \$ - | \$ 53,045 | \$ 53,045 |
| Construction | - | - | 143,222 | - | - | - | - | 143,222 | 143,222 |
| Inspection | - | - | 11,198 | - | - | - | - | 11,198 | 11,198 |
| Crew time | - | - | 2,348 | - | - | - | - | 2,348 | 2,348 |
| Project management | - | - | 1,986 | - | - | - | - | 1,986 | 1,986 |
| Legal & other | - | - | 541 | - | - | - | - | 541 | 541 |
| Total Costs | \$ - | \$ - | \$ 212,339 | \$ - | \$ - | \$ - | \$ - | \$ 212,339 | \$ 212,339 |

Project description: The 2.0 MG Reservoir is beginning to develop leaks and should be assessed to apply an epoxy coating. Water quality within the tank shall also be reviewed and possibly add a PAX mixer, similar to the mixer installed in the 3.7 MG reservoir.

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of of high-level service to its customers.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Install individual PRVs for new 520 zone (CIP 501)

Status: Projected
 Funding Source: Rates

Locations: SE part of District
 Permits: N/A

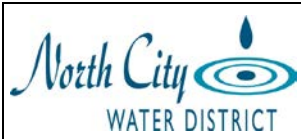
| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------------|-------------|-------------|-------------|-------------------|-------------------|
| Design | | \$ - | \$ - | \$ 10,000 | \$ - | \$ - | \$ - | \$ 10,000 | \$ 20,000 |
| Construction | - | - | - | 453,482 | - | - | - | 453,482 | 453,482 |
| Inspection | - | - | - | 20,551 | - | - | - | 20,551 | 20,551 |
| Crew time | - | - | - | - | - | - | - | - | - |
| Project management | - | - | - | 7,125 | - | - | - | 7,125 | 7,125 |
| Legal & other | - | - | - | 2,732 | - | - | - | 2,732 | 2,732 |
| Total Costs | \$ - | \$ - | \$ - | \$ 493,889 | \$ - | \$ - | \$ - | \$ 493,889 | \$ 503,889 |

Project description: Install individual PRVs to 400 properties to form new pressure zone.

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Install new 8" main and 2 check valves (CIP 502)

Status: Projected

Locations: NE 158th St between 10th and 15th Ave NE, NE 158th St and 10th Ave NE, NE 158th St and 15th Ave NE

Funding Source: Rates

Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|------------------|-------------------|-------------|-------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ - | \$ 54,636 | \$ - | \$ - | \$ - | \$ 54,636 | \$ 54,636 |
| Construction | - | - | - | - | 650,544 | - | - | \$ 650,544 | \$ 650,544 |
| Inspection | - | - | - | - | 8,549 | - | - | 8,549 | 8,549 |
| Crew time | - | - | - | - | 5,079 | - | - | 5,079 | 5,079 |
| Project management | - | - | - | 5,129 | 2,075 | - | - | 7,205 | 7,205 |
| Legal & other | - | - | - | 2,732 | - | - | - | 2,732 | 2,732 |
| Total Costs | \$ - | \$ - | \$ - | \$ 62,497 | \$ 666,248 | \$ - | \$ - | \$ 728,745 | \$ 728,745 |

Project description: Install 1320 lf of 8" water main to connect 520 zone dead-end mains created by the new zone separation. Install two 590/520 check valves.

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Install new 8" main and check valve (CIP 503)

Status: Projected

Locations: NE 160th St between 25th and 28th Ave NE, NE 160th St and 25th Ave NE

Funding Source: Rates

Permits: ROW

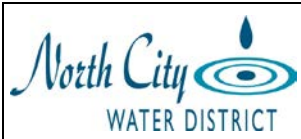
| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|------------------|-------------------|-------------|-------------|-------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ 54,080 | \$ - | \$ - | \$ - | \$ - | \$ 54,080 | \$ 54,080 |
| Construction | - | - | - | 442,554 | - | - | - | \$ 442,554 | \$ 442,554 |
| Inspection | - | - | - | 8,220 | - | - | - | 8,220 | 8,220 |
| Crew time | - | - | - | 4,884 | - | - | - | 4,884 | 4,884 |
| Project management | - | - | 5,795 | 1,996 | - | - | - | 7,791 | 7,791 |
| Legal & other | - | - | - | 2,732 | - | - | - | 2,732 | 2,732 |
| Total Costs | \$ - | \$ - | \$ 59,875 | \$ 460,386 | \$ - | \$ - | \$ - | \$ 520,261 | \$ 520,261 |

Project description: Install 8" water main to connect 590 Zone dead-end piping created by the 520 zone separation.

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Install new 12" main to create North/South 520 zone (CIP 504)

Status: Projected
 Funding Source: Rates

Location: 18th Ave NE & Perkins Way
 Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|------------------|------------------|-------------|-------------|------------------|------------------|
| Design | \$ - | \$ - | \$ - | \$ 10,927 | \$ - | \$ - | \$ - | \$ 10,927 | \$ 10,927 |
| Construction | - | - | - | - | 28,138 | - | - | \$ 28,138 | \$ 28,138 |
| Inspection | - | - | - | - | 1,425 | - | - | 1,425 | 1,425 |
| Crew time | - | - | - | - | 1,270 | - | - | 1,270 | 1,270 |
| Project management | - | - | - | - | 2,520 | - | - | 2,520 | 2,520 |
| Legal & other | - | - | - | - | - | - | - | - | - |
| Total Costs | \$ - | \$ - | \$ - | \$ 10,927 | \$ 33,352 | \$ - | \$ - | \$ 44,279 | \$ 44,279 |

Project description: Connect northern end of 25th Ave Pipeline to 520 zone to create a north-south 520 zone distribution

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:
Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Remove PRV-5 (CIP 505)

Status: Projected

Location: NE 160th Steet between 33rd and 34th Ave NE

Funding Source: Rates

Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------|-----------------|-------------|-------------|-----------------|-----------------|
| Construction | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Inspection | - | - | - | - | - | - | - | - | - |
| Crew time | - | - | - | - | 3,809 | - | - | 3,809 | 3,809 |
| Project management | - | - | - | - | 1,482 | - | - | 1,482 | 1,482 |
| Legal & other | - | - | - | - | - | - | - | - | - |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ 5,291 | \$ - | \$ - | \$ 5,291 | \$ 5,291 |

Project description: Remove PRV-5

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Install 8" water mains for looping (CIP 506)

Status: Projected

Locations: NE 155th Wt between 30th and 32nd Ave, 32nd Ave NE @ NE 158th Street, 33rd Ave NE @ NE 158th Street

Funding Source: Rates

Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------|------------------|-------------------|-------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ 28,138 | \$ - | \$ - | \$ 28,138 | \$ 28,138 |
| Construction | - | - | - | - | - | 202,873 | - | 202,873 | 202,873 |
| Inspection | - | - | - | - | - | 4,446 | - | 4,446 | 4,446 |
| Crew time | - | - | - | - | - | 2,641 | - | 2,641 | 2,641 |
| Project management | - | - | - | - | 3,186 | 1,079 | - | 4,265 | 4,265 |
| Legal & other | - | - | - | - | 2,814 | - | - | 2,814 | 2,814 |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ 34,137 | \$ 211,039 | \$ - | \$ 245,176 | \$ 245,176 |

Project description: Install 490 feet of 8" water mains in three locations (NE 155th Street between 30th and 32nd Ave NE, 32nd Ave NE @ 158th Street and 33rd Ave NE @ 158th Street)

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Relocate PRV-2 (CIP 507)

Status: Projected

Locations: 25th and 28th Ave NE & NE 178th Street

Funding Source: Rates

Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|------------------|------------------|-------------|-------------|------------------|------------------|
| Design | \$ - | \$ - | \$ - | \$ 10,927 | \$ - | \$ - | \$ - | \$ 10,927 | \$ 10,927 |
| Construction | - | - | - | - | 67,531 | - | - | 67,531 | 67,531 |
| Inspection | - | - | - | - | 2,850 | - | - | 2,850 | 2,850 |
| Crew time | - | - | - | - | 1,270 | - | - | 1,270 | 1,270 |
| Project management | - | - | - | 2,636 | 2,075 | - | - | 4,712 | 4,712 |
| Legal & other | - | - | - | - | - | - | - | - | - |
| Total Costs | \$ - | \$ - | \$ - | \$ 13,564 | \$ 73,725 | \$ - | \$ - | \$ 87,289 | \$ 87,289 |

Project description: Relocate PRV-2 from 25th to 28th Ave NE and NE 178th Street to maintain 432 hydraulic grade line for piping loop

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Install 8" water main across Hamlin Park (CIP 608)

Status: Projected

Location: from Fircrest to either Kellogg Middle or Shorecrest High School's water main

Funding Source: Rates

Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025-2030 | 2016-2030 |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 35,822 | \$ - | \$ 35,822 |
| Construction | - | - | - | - | - | - | - | 276,722 | \$ 276,722 |
| Inspection | - | - | - | - | - | - | - | 4,808 | \$ 4,808 |
| Crew time | - | - | - | - | - | - | - | 2,857 | \$ 2,857 |
| Project management | - | - | - | - | - | - | 6,892 | 1,167 | \$ 8,059 |
| Legal & other | - | - | - | - | - | - | - | 3,075 | \$ 3,075 |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 42,714 | \$ 288,629 | \$ 331,342 |

Project description: Install 8" water main to create southern 590 zone loop

Rationale: Forming a new 520 zone is expected to improve fire flow and water quality within the new zone.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Install 12" water main to create transmission line (CIP 609)

Status: Projected

Location: 25th and 26th Ave NE, from NE 178th to NE 169th St

Funding Source: Rates

Permits: ROW

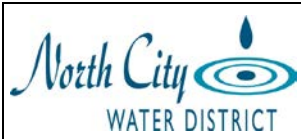
| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------------|---------------------|---------------------|---------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 115,927 | \$ - | \$ 115,927 | \$ 115,927 |
| Construction | - | - | - | - | - | - | 1,820,930 | \$ 1,820,930 | \$ 1,820,930 |
| Inspection | - | - | - | - | - | - | 18,494 | 18,494 | 18,494 |
| Crew time | - | - | - | - | - | - | 8,240 | 8,240 | 8,240 |
| Project management | - | - | - | - | - | 8,937 | 2,245 | 11,182 | 11,182 |
| Legal & other | - | - | - | - | - | 5,796 | - | 5,796 | 5,796 |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 130,661 | \$ 1,849,908 | \$ 1,980,569 | \$ 1,980,569 |

Project description: Create a new north south 520 zone transmission main by replacing 4" and 6" water mains in the existing 502 zone and installing a new 12" water main, paralleling existing 6" main in the 590 zone piping to the south.

Rationale: Required for hydraulic needs and fire flow capacity.

GL Code:

Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Upgrade Supply Station 1 (CIP 610)

Status: Projected
 Funding Source: Rates

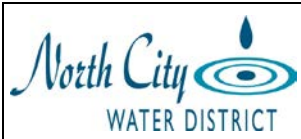
Location: 16th Ave NE and NE 192nd St
 Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------|------------------|------------------|-------------|------------------|------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ 16,883 | \$ - | \$ - | \$ 16,883 | \$ 16,883 |
| Construction | - | - | - | - | - | 57,964 | - | \$ 57,964 | \$ 57,964 |
| Inspection | - | - | - | - | - | 1,482 | - | 1,482 | 1,482 |
| Crew time | - | - | - | - | - | 792 | - | 792 | 792 |
| Project management | - | - | - | - | 3,186 | 1,079 | - | 4,265 | 4,265 |
| Legal & other | - | - | - | - | 2,814 | - | - | 2,814 | 2,814 |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ 22,882 | \$ 61,317 | \$ - | \$ 84,199 | \$ 84,199 |

Project description: Replace existing 6" water main with 12" water main.

Rationale: Localized piping improvements to minimize head-losses from SS-1 into distribution piping.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
NE 200th Street/25th Avenue NE (CIP 12)

Status: Projected
 Funding Source: Rates

Locations: NE 200th Street/25th Avenue N
 Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------|-------------------|-------------|-------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ 20,259 | \$ - | \$ - | \$ 20,259 | \$ 20,259 |
| Construction | - | - | - | - | 157,571 | - | - | \$ 157,571 | \$ 157,571 |
| Inspection | - | - | - | - | 11,399 | - | - | 11,399 | 11,399 |
| Crew time | - | - | - | - | - | - | - | - | - |
| Project management | - | - | - | - | 10,377 | - | - | 10,377 | 10,377 |
| Legal & other | - | - | - | - | 2,814 | - | - | 2,814 | 2,814 |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ 202,420 | \$ - | \$ - | \$ 202,420 | \$ 202,420 |

Project description: Install approximately 300 feet of 12" mains from NE 199th to NE 200th Street and from 24th Ave to 25th Ave NE

Rationale: In addition to the 6" main, a new 12" main is required to meet fire flow velocity criteria. Relocate hydrant on 4" dead-end to 25th Avenue NE.

GL Code:
Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Shake Alert

Status: Projected
 Funding Source: Rates

Locations: Districtwide
 Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|------------------|-------------|-------------|-------------|-------------|-------------|------------------|------------------|
| Design | \$ - | \$ 77,250 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 77,250 | \$ 77,250 |
| Construction | - | - | - | - | - | - | - | - | - |
| Inspection | - | 633 | - | - | - | - | - | 633 | 633 |
| Crew time | - | - | - | - | - | - | - | - | - |
| Project management | - | 3,820 | - | - | - | - | - | 3,820 | 3,820 |
| Legal & other | - | 2,575 | - | - | - | - | - | 2,575 | 2,575 |
| Total Costs | \$ - | \$ 84,278 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 84,278 | \$ 84,278 |

Project description: Prepare, plan and develop policy for participating in Shakealert Earthquake Early Warning Pilot project. Apply for a pilot project application with the US Geologicval Survey and the Pacific Northwest Seismic Network. Enable Shakealert.

Rationale: To better prepare the District's critical assets for an earthquake disaster.

GL Code:
Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Telemetry

Status: Projected
 Funding Source: Rates

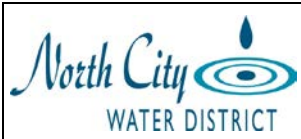
Locations: Phase I - Upgrade Telemetry Software, Phase II MLT-17, MLT - 19
 Permits: Phase I - none, Phase II - ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|------------------|------------------|-------------|-------------|-------------|-------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ 5,305 | \$ - | \$ - | \$ - | \$ - | \$ 5,305 | \$ 5,305 |
| Construction | - | 72,100 | 20,000 | - | - | - | - | 92,100 | 92,100 |
| Inspection | - | 253 | 659 | - | - | - | - | 912 | 912 |
| Crew time | - | 564 | 587 | - | - | - | - | 1,151 | 1,151 |
| Project management | - | 2,437 | 1,576 | - | - | - | - | 4,013 | 4,013 |
| Legal & other | - | 2,575 | - | - | - | - | - | 2,575 | 2,575 |
| Total Costs | \$ - | \$ 77,930 | \$ 28,126 | \$ - | \$ - | \$ - | \$ - | \$ 106,056 | \$ 106,056 |

Project description: Phase I-upgrade telemetry software in 2019. Phase II - add telemetry to two emergency supply stations with Mountlake Terrace in 2020.

Rationale: The District needs to continue to keep the software updated with the current technology. The District also needs to be sure that telemetry is available at all of the District assets.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Vector Truck Replacement

Status: Projected
 Funding Source: Rates

Locations: Districtwide
 Permits: N/A

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Construction | - | - | - | - | - | - | 597,026 | 597,026 | 597,026 |
| Inspection | - | - | - | - | - | - | - | - | - |
| Crew time | - | - | - | - | - | - | - | - | - |
| Project management | - | - | - | - | - | - | - | - | - |
| Legal & other | - | - | - | - | - | - | - | - | - |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 597,026 | \$ 597,026 | \$ 597,026 |

Project description: Replace District Vector Truck every 7 years

Rationale: The existing vector truck will have been fully depreciated and will have the the highest resale value.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Ongoing Capital Maintenance of Administration Building

Status: Projected
 Funding Source: Rates

Locations: 1519 NE 177th Street, Shoreline
 Permits: N/A

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|------------------|-------------|-------------|-------------|-------------|------------------|-------------------|-------------------|
| Design | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Construction | - | 51,500 | - | - | - | - | 59,703 | 111,203 | 111,203 |
| Inspection | - | 633 | - | - | - | - | 771 | 1,404 | 1,404 |
| Crew time | - | - | - | - | - | - | - | - | - |
| Project management | - | 922 | - | - | - | - | 1,122 | 2,045 | 2,045 |
| Legal & other | - | - | - | - | - | - | - | - | - |
| Total Costs | \$ - | \$ 53,056 | \$ - | \$ - | \$ - | \$ - | \$ 61,596 | \$ 114,651 | \$ 114,651 |

Project description: Ongoing capital expenses related to the Admin building such as painting the parking lot, painting the building.

Rationale: Regular routine maintenance is important for extending the life of the Districts capital assets.

GL Code:
Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Meter and Service Replacement

Status: Projected
 Funding Source: Rates


Locations: Various
 Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| Materials | \$ - | \$ 51,000 | \$ 51,000 | \$ 51,000 | \$ 51,000 | \$ 51,000 | \$ 51,000 | \$ 306,000 | \$ 306,000 |
| District Labor | - | 34,993 | 20,842 | 15,761 | 16,229 | 16,715 | 17,221 | 121,760 | 121,760 |
| Total Costs | \$ - | \$ 85,993 | \$ 71,842 | \$ 66,761 | \$ 67,229 | \$ 67,715 | \$ 68,221 | \$ 427,760 | \$ 427,760 |

Project description: The replacement of smaller capital infrastructure, such as meters and services, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs.

Rationale: Repair and replacement of infrastructure assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code:
 Other project names:

| | |
|---|--------------------------------------|
|  | Capital Plan - Project |
| | 2019-2024 - Budget / Forecast |
| | Hydrant Replacement |

Status: On-going
 Funding Source: Rates

Locations: Various
 Permits:

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| Materials | \$ - | \$ 32,208 | \$ 32,988 | \$ 33,792 | \$ 34,619 | \$ 35,472 | \$ 36,349 | \$ 205,429 | \$ 205,429 |
| District Labor | - | 6,208 | 6,208 | 6,208 | 6,208 | 6,208 | 6,208 | 37,250 | 37,250 |
| Total Costs | \$ - | \$ 38,417 | \$ 39,197 | \$ 40,000 | \$ 40,828 | \$ 41,680 | \$ 42,558 | \$ 242,679 | \$ 242,679 |

Project description: The replacement of smaller capital infrastructure, such as hydrants, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs.

Rationale: Repair and replacement of infrastructure assures the District will continue to provide a consistent level of of high-level service to its customers.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Valve Replacement

Status: On-going
 Funding Source: Rates

Locations: Various
 Permits:

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|----------------------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| Air Valves - Materials and Labor | \$ - | \$ 10,000 | \$ 10,300 | \$ 10,609 | \$ 10,927 | \$ 11,255 | \$ 11,593 | \$ 64,684 | \$ 64,684 |
| Valves - Materials | - | 7,000 | 7,210 | 7,426 | 7,649 | 7,879 | 8,115 | 45,279 | 45,279 |
| Valves - District Labor | - | 7,337 | 7,631 | 7,936 | 8,253 | 8,583 | 8,927 | 48,667 | 48,667 |
| Total Costs | \$ - | \$ 24,337 | \$ 25,141 | \$ 25,971 | \$ 26,830 | \$ 27,717 | \$ 28,634 | \$ 158,630 | \$ 158,630 |

Project description: The replacement of smaller capital infrastructure, such as valves, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs.

Rationale: Repair and replacement of infrastructure assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Technology Additions & Replacement

Status: On-going
 Funding Source: Rates

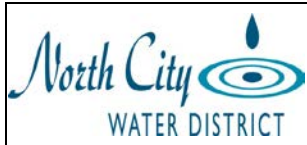
Locations: Various
 Permits: N/A

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Technology Additions & Replc. | \$ - | \$ 28,690 | \$ 15,815 | \$ 11,595 | \$ 20,250 | \$ 17,785 | \$ 26,190 | \$ 120,325 | \$ 120,325 |
| Total Costs | \$ - | \$ 28,690 | \$ 15,815 | \$ 11,595 | \$ 20,250 | \$ 17,785 | \$ 26,190 | \$ 120,325 | \$ 120,325 |

Project description: The replacement of smaller capital infrastructure, such as equipment, and computers and software, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs. Includes cyber security projects

Rationale: Repair and replacement of equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Tools, Equipment and Furniture

Status: On-going
 Funding Source: Rates

Locations: Various
 Permits: N/A

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|------------|
| Tools, Equipment and Furniture | \$ - | \$ 57,000 | \$ 157,360 | \$ 12,731 | \$ 13,113 | \$ 13,506 | \$ 13,911 | \$ 267,621 | \$ 267,621 |
| Total Costs | \$ - | \$ 57,000 | \$ 157,360 | \$ 12,731 | \$ 13,113 | \$ 13,506 | \$ 13,911 | \$ 267,621 | \$ 267,621 |

Project description: The replacement of smaller capital infrastructure, such as tools, equipment, and furniture, is an on-going capital cost for the District. Maintenance projects that potentially increase the life of existing infrastructure are also classified as capital costs. Specific replacement projects include (1) bagging station at North City/Denny Clouse Pump Station in 2019, (2) Upgrading alarm system at the Administration building and installing new alarm at NC/DC PS in 2020, (3) new cameras for admin and NC/DC PS site in

Rationale: Repair and replacement of infrastructure and equipment assures the District will continue to provide a consistent level of high-level service to its customers.

GL Code:
 Other project names:



Capital Plan - Project
2019-2024 - Budget / Forecast
Misc. Engineering Reports and Upgrade Hydraulic Model

Status: Projected
 Funding Source: Rates

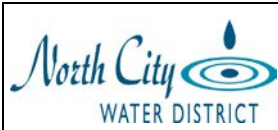
Locations: District wide
 Permits: N/A

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2019-2024 | 2016-2024 |
|--------------------|-------------|------------------|------------------|------------------|-------------|-------------|-------------------|-------------------|-------------------|
| Design | \$ - | \$ 31,200 | \$ 27,040 | \$ 84,365 | \$ - | \$ - | \$ 119,405 | \$ 262,010 | \$ 262,010 |
| Construction | - | - | - | - | - | - | - | - | - |
| Inspection | - | - | - | - | - | - | 1,541 | 1,541 | 1,541 |
| Crew time | - | 564 | 2,348 | - | - | - | 2,747 | 5,659 | 5,659 |
| Project management | - | 2,344 | 3,013 | 12,535 | - | - | 5,096 | 22,988 | 22,988 |
| Legal & other | - | - | - | - | - | - | - | - | - |
| Total Costs | \$ - | \$ 34,108 | \$ 32,401 | \$ 96,899 | \$ - | \$ - | \$ 128,789 | \$ 292,198 | \$ 292,198 |

Project description: Upgrade Conservation Plan, Cross Connection Control Plan, Hazard Mitigation, Emergency Response and Hazard Vulnerability Plans as required

Rationale: The DOH Operating Permit requires the District meet certain criteria at the state level. Periodically, updates may be required.

GL Code:
Other project names:



Capital Plan - Project
2019-2030 - Budget / Forecast
Ongoing Water Main Replacement/Upgrade Projects

Status: Projected
 Funding Source: Rates

Locations: Various
 Permits: ROW

| Project Elements | 2016-2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025-2030 | 2019-2030 | 2016-2030 |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------|----------------------|----------------------|
| Construction | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 7,955,328 | \$ 7,955,328 | \$ 7,955,328 |
| Land purchases | - | - | - | - | - | - | - | 1,327,817 | 1,327,817 | 1,327,817 |
| Booster Station Upgrade | - | - | - | - | - | - | - | 10,751,331 | 10,751,331 | 10,751,331 |
| Inspection | - | - | - | - | - | - | - | 85,051 | 85,051 | 85,051 |
| Crew time | - | - | - | - | - | - | - | 75,790 | 75,790 | 75,790 |
| Project management | - | - | - | - | - | - | - | 125,125 | 125,125 | 125,125 |
| Legal & other | - | - | - | - | - | - | - | 41,222 | 41,222 | 41,222 |
| Total Costs | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 20,361,665 | \$ 20,361,665 | \$ 20,361,665 |

Annual Average 2025-2030 -> \$ 3,393,611

Project description: This is an ongoing program to fund capital improvements to the District's water main which are needed to improve fire flow and water quality issues that have not yet been determined. More specific scope will occur as part of the District's hydraulic modeling effort in 2017.

Rationale: Annual capital improvement funding will be approximately \$7250,000 (in 2016 dollars). More specific scheduling of multiple misc projects will occur as part of hydraulic modeling effort in 2017.

GL Code:

Other project names:



Vehicle Replacement Plan



Vehicle Replacement Plan

2019-2020 Budget

| Vehicle Replacement Plan | Year in Service | Life | Initial Repl Yr | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | TOTAL |
|--------------------------------------|-----------------|------|-----------------|-----------|-----------|------------|------------|------------|------|------------|
| Unit # 25 2018 -Forklift | 2019 | 15 | 2019 | 30,000 | - | - | - | - | - | \$ 30,000 |
| Unit # 2 2010 F-150 P/U | 2010 | 7 | 2018 | - | - | - | - | - | - | \$ - |
| Unit # 3 2010 F-150 P/U | 2010 | 7 | 2018 | - | - | - | - | - | - | \$ - |
| Unit # 4 Rpl Unit 21 2015 F-150 PU | 2000 | 7 | 2015 | - | - | - | 30,000 | - | - | \$ 30,000 |
| Unit # 5 GMC 10 Yard Dump | 1997 | 15 | 2021 | - | - | 102,000 | - | - | - | \$ 102,000 |
| Unit # 8 2010 F-150 4x4 | 2012 | 7 | 2019 | 35,000 | - | - | - | - | - | \$ 35,000 |
| Unit # 15 Repl Unit 22 2015 F-150 PU | 2001 | 7 | 2015 | - | - | - | 35,000 | - | - | \$ 35,000 |
| Unit # 17 2007 Interl 5 Yard Dump | 2007 | 15 | 2022 | - | - | - | 92,000 | - | - | \$ 92,000 |
| Unit # 18 2013 F-350 Service Body | 2013 | 10 | 2023 | - | - | - | - | 56,000 | - | \$ 56,000 |
| Unit # 19 2013 F-150 P/U | 2013 | 7 | 2020 | - | 35,000 | - | - | - | - | \$ 35,000 |
| Unit # 20 F-550 Service Van | 2013 | 15 | 2028 | - | - | - | - | - | - | \$ - |
| Unit 23 2015 Ford Explorer | 2000 | 8 | 2015 | - | - | - | - | 38,600 | - | \$ 38,600 |
| Unit 23 2015 Ford Explorer | 2015 | 8 | 2023 | - | - | - | - | 38,600 | - | \$ 38,600 |
| TR-1 Backhoe 1991 | 1991 | 25 | 2021 | - | - | 108,000 | - | - | - | \$ 108,000 |
| TR-2 Backhoe 2003 | 2003 | 25 | 2028 | - | - | - | - | - | - | \$ - |
| TOTAL | | | | \$ 65,000 | \$ 35,000 | \$ 210,000 | \$ 157,000 | \$ 133,200 | \$ - | \$ 600,200 |

| Vehicle Replacement Acct | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | Total |
|---|-------------|-------------|--------------|--------------|--------------|------------|--------------|
| BEGINNING BALANCE | \$ 309,905 | \$ 336,194 | \$ 389,964 | \$ 264,438 | \$ 189,109 | \$ 135,535 | \$ 309,905 |
| <u>Sources:</u> | | | | | | | |
| Net Interest Earnings | 7,748 | 8,405 | 11,699 | 9,255 | 6,619 | 4,744 | \$ 48,469 |
| Revenue from Surplus Sales | 12,522 | 4,841 | 29,917 | 23,038 | 20,132 | - | \$ 90,450 |
| Transfer from Operating Revenues | 79,000 | 81,000 | 83,000 | 85,000 | 88,000 | 91,000 | \$ 507,000 |
| Total Sources | \$ 409,175 | \$ 430,440 | \$ 514,580 | \$ 381,730 | \$ 303,859 | \$ 231,279 | \$ 955,824 |
| <u>Uses:</u> | | | | | | | |
| Unit # 25 2018 Forklift | (33,683) | - | - | - | - | - | \$ (33,683) |
| Unit # 2 2010 F-150 P/U | - | - | - | - | - | - | \$ - |
| Unit # 3 2010 F-150 P/U | - | - | - | - | - | - | \$ - |
| Unit # 4 2000 Dodge P/U - Unit 21 2015 F-150 P/U | - | - | - | (36,807) | - | - | \$ (36,807) |
| Unit # 5 GMC 10 Yard Dump | - | - | (121,498) | - | - | - | \$ (121,498) |
| Unit # 8 2010 F-150 4x4 | (39,297) | - | - | - | - | - | \$ (39,297) |
| Unit # 15 2001 Chevy P/U - Unit 22 2015 F-150 P/U | - | - | - | (42,941) | - | - | \$ (42,941) |
| Unit # 17 2007 International 5 Yard Dump | - | - | - | (112,874) | - | - | \$ (112,874) |
| Unit # 18 2013 F-350 Service Body | - | - | - | - | (70,767) | - | \$ (70,767) |
| Unit # 19 2013 F-150 P/U | - | (40,476) | - | - | - | - | \$ (40,476) |
| Unit # 20 F-550 Service Van | - | - | - | - | - | - | \$ - |
| 2000 Durango - Unit 23 2015 Ford Explorer | - | - | - | - | (48,779) | - | \$ (48,779) |
| District Manager Vehicle - Unit 24 2015 Ford Explorer | - | - | - | - | (48,779) | - | \$ (48,779) |
| TR-1 Backhoe 1991 | - | - | (128,645) | - | - | - | \$ (128,645) |
| TR-2 Backhoe 2001 | - | - | - | - | - | - | \$ - |
| Total Uses | \$ (72,981) | \$ (40,476) | \$ (250,142) | \$ (192,622) | \$ (168,324) | \$ - | \$ (724,545) |
| ENDING BALANCE | \$ 336,194 | \$ 389,964 | \$ 264,438 | \$ 189,109 | \$ 135,535 | \$ 231,279 | \$ 231,279 |

Plan description: District Operations efficiently maintains and coordinate repairs all District -owned vehicles and equipment which support the District in providing essential services to the District customers. Managing these investments properly to meet their intended life-cycles at a sustainable cost, while reducing the risk of accidents and injuries due to poorly maintained equipment and vehicles, provides the key for our District. The main goal of this fund is to provide safe, reliable, appropriately equipped, readily available vehicles and equipment for daily operations, through cost-effective maintenance and allows the District to provide a healthy and sustainable environment and be prepared as a first responder.

Rationale: The District has a total of 14 vehicles and backhoes that must provide for safe, reliable, and available vehicles and equipment for first responders. District staff have identified a deferred and emergency repair fund to allow for the replacement of vehicles when it is no longer cost effective for the District to own and operate.



Vehicle Replacement Plan

2019-2020 Budget

| Vehicle Replacement Plan | Year in Service | Life | Initial Repl Yr | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | TOTAL |
|--------------------------------------|-----------------|------|-----------------|------------------|------------------|------------------|-------------------|------------------|-------------|-------------------|
| Unit # 25 2018 -Forklift | 2019 | 15 | 2019 | - | - | - | - | - | - | \$ - |
| Unit # 2 2010 F-150 P/U | 2010 | 7 | 2018 | 30,000 | - | - | - | - | - | \$ 30,000 |
| Unit # 3 2010 F-150 P/U | 2010 | 7 | 2018 | 30,000 | - | - | - | - | - | \$ 30,000 |
| Unit # 4 Rpl Unit 21 2015 F-150 PU | 2000 | 7 | 2015 | - | - | - | - | 30,000 | - | \$ 30,000 |
| Unit # 5 GMC 10 Yard Dump | 1997 | 15 | 2021 | - | - | - | - | - | - | \$ - |
| Unit # 8 2010 F-150 4x4 | 2012 | 7 | 2019 | - | 35,000 | - | - | - | - | \$ 35,000 |
| Unit # 15 Repl Unit 22 2015 F-150 PU | 2001 | 7 | 2015 | - | - | - | - | 35,000 | - | \$ 35,000 |
| Unit # 17 2007 Interl 5 Yard Dump | 2007 | 15 | 2022 | - | - | - | - | - | - | \$ - |
| Unit # 18 2013 F-350 Service Body | 2013 | 10 | 2023 | - | - | - | - | - | - | \$ - |
| Unit # 19 2013 F-150 P/U | 2013 | 7 | 2020 | - | - | 35,000 | - | - | - | \$ 35,000 |
| Unit # 20 F-550 Service Van | 2013 | 15 | 2028 | - | - | - | 93,000 | - | - | \$ 93,000 |
| Unit 23 2015 Ford Explorer | 2000 | 8 | 2015 | - | - | - | - | - | - | \$ - |
| Unit 23 2015 Ford Explorer | 2015 | 8 | 2023 | - | - | - | - | - | - | \$ - |
| TR-1 Backhoe 1991 | 1991 | 25 | 2021 | - | - | - | - | - | - | \$ - |
| TR-2 Backhoe 2003 | 2003 | 25 | 2028 | - | - | - | 108,000 | - | - | \$ 108,000 |
| TOTAL | | | | \$ 60,000 | \$ 35,000 | \$ 35,000 | \$ 201,000 | \$ 65,000 | \$ - | \$ 396,000 |

| Vehicle Replacement Account | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | Total |
|---|--------------------|--------------------|--------------------|---------------------|--------------------|-------------------|---------------------|
| BEGINNING BALANCE | \$ 231,279 | \$ 262,555 | \$ 326,194 | \$ 393,784 | \$ 251,325 | \$ 279,772 | \$ 231,279 |
| <u>Sources:</u> | | | | | | | |
| Net Interest Earnings | 8,095 | 9,189 | 11,417 | 13,782 | 8,796 | 9,792 | \$ 61,072 |
| Revenue from Surplus Sales | 9,621 | 5,780 | 5,954 | 35,217 | 11,730 | - | \$ 68,302 |
| Transfer from Operating Revenues | 94,000 | 97,000 | 100,000 | 103,000 | 106,000 | 109,000 | \$ 609,000 |
| Total Sources | \$ 342,994 | \$ 374,525 | \$ 443,565 | \$ 545,784 | \$ 377,852 | \$ 398,564 | \$ 969,653 |
| <u>Uses:</u> | | | | | | | |
| Unit # 25 2018 Forklift | - | - | - | - | - | - | \$ - |
| Unit # 2 2010 F-150 P/U | (40,220) | - | - | - | - | - | \$ (40,220) |
| Unit # 3 2010 F-150 P/U | (40,220) | - | - | - | - | - | \$ (40,220) |
| Unit # 4 2000 Dodge P/U - Unit 21 2015 F-150 P/U | - | - | - | - | (45,268) | - | \$ (45,268) |
| Unit # 5 GMC 10 Yard Dump | - | - | - | - | - | - | \$ - |
| Unit # 8 2010 F-150 4x4 | - | (48,331) | - | - | - | - | \$ (48,331) |
| Unit # 15 2001 Chevy P/U - Unit 22 2015 F-150 P/U | - | - | - | - | (52,812) | - | \$ (52,812) |
| Unit # 17 2007 International 5 Yard Dump | - | - | - | - | - | - | \$ - |
| Unit # 18 2013 F-350 Service Body | - | - | - | - | - | - | \$ - |
| Unit # 19 2013 F-150 P/U | - | - | (49,781) | - | - | - | \$ (49,781) |
| Unit # 20 F-550 Service Van | - | - | - | (136,242) | - | - | \$ (136,242) |
| 2000 Durango - Unit 23 2015 Ford Explorer | - | - | - | - | - | - | \$ - |
| District Manager Vehicle - Unit 24 2015 Ford Explorer | - | - | - | - | - | - | \$ - |
| TR-1 Backhoe 1991 | - | - | - | - | - | - | \$ - |
| TR-2 Backhoe 2001 | - | - | - | (158,217) | - | - | \$ (158,217) |
| Total Uses | \$ (80,439) | \$ (48,331) | \$ (49,781) | \$ (294,459) | \$ (98,080) | \$ - | \$ (571,089) |
| ENDING BALANCE | \$ 262,555 | \$ 326,194 | \$ 393,784 | \$ 251,325 | \$ 279,772 | \$ 398,564 | \$ 398,564 |

Plan description: District Operations efficiently maintains and coordinate repairs all District -owned vehicles and equipment which support the District in providing essential services to the District customers. Managing these investments properly to meet their intended life-cycles at a sustainable cost, while reducing the risk of accidents and injuries due to poorly maintained equipment and vehicles, provides the key for our District. The main goal of this fund is to provide safe, reliable, appropriately equipped, readily available vehicles and equipment for daily operations, through cost-effective maintenance and allows the District to provide a healthy and sustainable environment and be prepared as a first responder.

Rationale: The District has a total of 14 vehicles and backhoes that must provide for safe, reliable, and available vehicles and equipment for first responders. District staff have identified a deferred and emergency repair fund to allow for the replacement of vehicles when it is no longer cost effective for the District to own and operate.



Debt Service



Debt Service Schedule

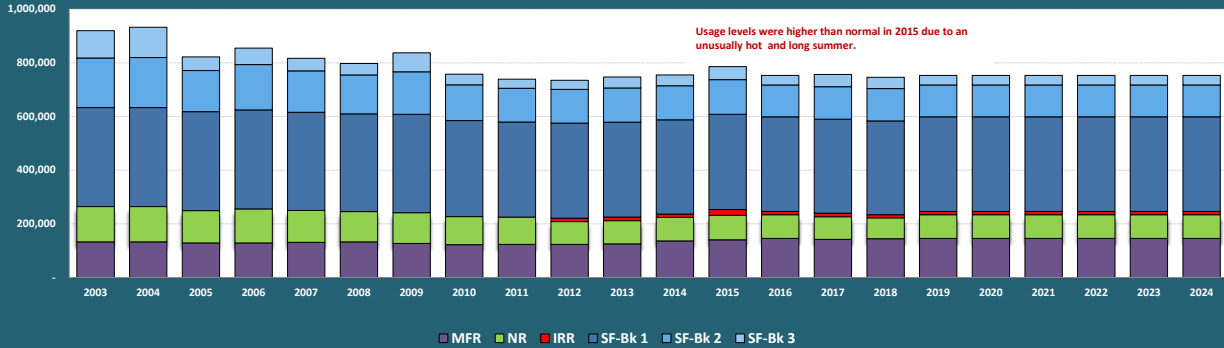
2019-2020 - Budget

| Year | 2011 Revenue Bond \$9,865,000 | | PWTF Loan | DWSRF Loan \$ 4,033,931 | 2016 Revenue Bond \$7,685,000 | | COMBINED DEBT | CAPITALIZED | NET |
|--------------|----------------------------------|---------------------|-------------------|----------------------------|----------------------------------|---------------------|---------------------|-----------------------|----------------------|
| | Principal | Interest | Prin & Int | Est. Prin & Int | Principal | Interest | SERVICE | INTEREST | DEBT SERVICE |
| 2012 | \$ 480,000 | \$ 201,014 | \$ 84,692 | | | | \$ 765,706 | | \$ 765,706 |
| 2013 | 510,000 | 256,448 | 83,536 | | | | 849,984 | (168,177) | 681,807 |
| 2014 | 520,000 | 246,248 | 50,031 | | | | 816,279 | (147,739) | 668,540 |
| 2015 | 525,000 | 235,848 | | 37,894 | | | 798,742 | (104,702) | 694,040 |
| 2016 | 540,000 | 225,348 | | 34,392 | | - | 799,740 | (153,000) | 646,740 |
| 2017 | 555,000 | 214,548 | | 329,476 | - | 256,167 | 1,355,190 | (120,000) | 1,235,190 |
| 2018 | 565,000 | 203,448 | | 258,377 | - | 307,400 | 1,334,225 | (200,000) | 1,134,225 |
| 2019 | 580,000 | 192,148 | | 255,352 | - | 307,400 | 1,334,900 | (200,000) | 1,134,900 |
| 2020 | 395,000 | 179,098 | | 252,326 | - | 307,400 | 1,133,824 | | 1,133,824 |
| 2021 | 405,000 | 169,223 | | 249,301 | - | 307,400 | 1,130,924 | | 1,130,924 |
| 2022 | 415,000 | 159,098 | | 246,275 | - | 307,400 | 1,127,773 | | 1,127,773 |
| 2023 | 430,000 | 147,685 | | 243,250 | - | 307,400 | 1,128,335 | | 1,128,335 |
| 2024 | 440,000 | 134,785 | | 240,224 | - | 307,400 | 1,122,409 | | 1,122,409 |
| 2025 | 455,000 | 121,585 | | 237,199 | - | 307,400 | 1,121,184 | | 1,121,184 |
| 2026 | 465,000 | 107,935 | | 234,174 | - | 307,400 | 1,114,509 | | 1,114,509 |
| 2027 | 480,000 | 93,985 | | 231,148 | - | 307,400 | 1,112,533 | | 1,112,533 |
| 2028 | 500,000 | 77,185 | | 228,123 | - | 307,400 | 1,112,708 | | 1,112,708 |
| 2029 | 515,000 | 58,435 | | 225,097 | - | 307,400 | 1,105,932 | | 1,105,932 |
| 2030 | 535,000 | 40,925 | | 222,072 | - | 307,400 | 1,105,397 | | 1,105,397 |
| 2031 | 555,000 | 22,200 | | 219,046 | - | 307,400 | 1,103,646 | | 1,103,646 |
| 2032 | | | | 216,021 | 385,000 | 307,400 | 908,421 | | 908,421 |
| 2033 | | | | 212,995 | 400,000 | 292,000 | 904,995 | | 904,995 |
| 2034 | | | | 209,970 | 415,000 | 276,000 | 900,970 | | 900,970 |
| 2035 | | | | 180,180 | 430,000 | 259,400 | 869,580 | | 869,580 |
| 2036 | | | | 177,556 | 450,000 | 242,200 | 869,756 | | 869,756 |
| 2037 | | | | | 465,000 | 224,200 | 689,200 | | 689,200 |
| 2038 | | | | | 485,000 | 205,600 | 690,600 | | 690,600 |
| 2039 | | | | | 505,000 | 186,200 | 691,200 | | 691,200 |
| 2040 | | | | | 525,000 | 166,000 | 691,000 | | 691,000 |
| 2041 | | | | | 545,000 | 145,000 | 690,000 | | 690,000 |
| 2042 | | | | | 570,000 | 123,200 | 693,200 | | 693,200 |
| 2043 | | | | | 590,000 | 100,400 | 690,400 | | 690,400 |
| 2044 | | | | | 615,000 | 76,800 | 691,800 | | 691,800 |
| 2045 | | | | | 640,000 | 52,200 | 692,200 | | 692,200 |
| 2046 | | | | | 665,000 | 26,600 | 691,600 | | 691,600 |
| TOTAL | \$ 9,865,000 | \$ 3,087,189 | \$ 218,260 | \$ 4,740,448 | \$ 7,685,000 | \$ 7,242,967 | \$32,838,863 | \$ (1,093,618) | \$ 31,745,245 |



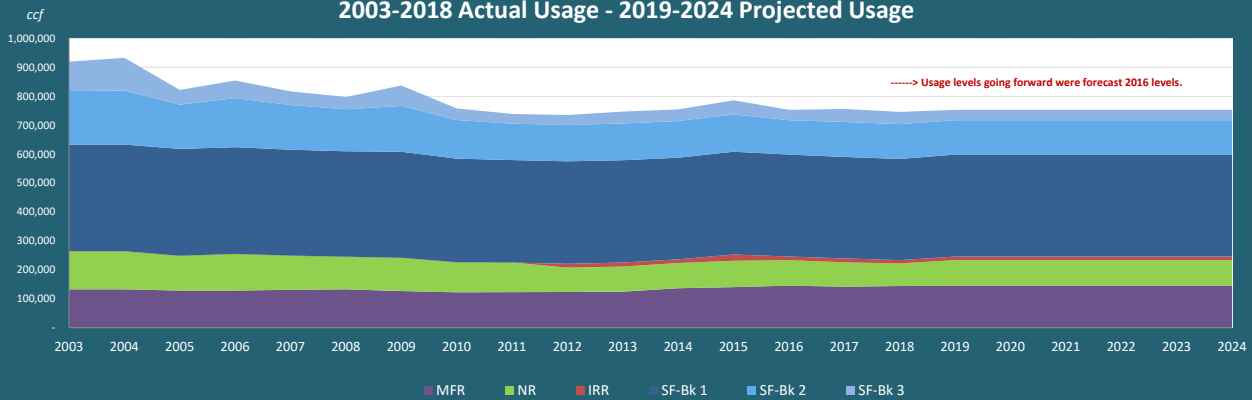
Revenues

2003-2024 Actual and Projected Usage in ccf



| CLASS / BLOCKS | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| IRR | | | | | | | | | | 13,000 | 13,664 | 11,990 | 21,972 | 12,534 | 13,256 | 11,153 | 12,534 | 12,534 | 12,534 | 12,534 | 12,534 | 12,534 |
| NR | 131,817 | 131,817 | 120,507 | 126,919 | 118,429 | 112,958 | 114,875 | 104,599 | 102,056 | 84,361 | 86,765 | 87,732 | 90,741 | 88,183 | 84,111 | 78,223 | 88,183 | 88,183 | 88,183 | 88,183 | 88,183 | 88,183 |
| MFR | 132,773 | 132,773 | 128,656 | 128,546 | 131,322 | 132,711 | 126,857 | 122,364 | 123,387 | 123,648 | 125,007 | 136,546 | 140,688 | 145,654 | 142,194 | 144,366 | 145,654 | 145,654 | 145,654 | 145,654 | 145,654 | 145,654 |
| SF-Bk 3 | 101,810 | 113,220 | 50,760 | 60,901 | 47,186 | 42,603 | 70,507 | 39,733 | 33,782 | 34,190 | 41,167 | 39,981 | 48,436 | 35,600 | 45,453 | 42,345 | 35,600 | 35,600 | 35,600 | 35,600 | 35,600 | 35,600 |
| SF-Bk 2 | 184,691 | 186,385 | 153,380 | 169,441 | 154,214 | 145,237 | 158,414 | 133,506 | 125,525 | 125,639 | 127,160 | 126,935 | 129,433 | 118,745 | 120,951 | 120,349 | 118,745 | 118,745 | 118,745 | 118,745 | 118,745 | 118,745 |
| SF-Bk 1 | 368,741 | 368,741 | 368,741 | 368,824 | 365,916 | 364,210 | 366,723 | 357,603 | 354,337 | 354,277 | 353,647 | 351,482 | 354,780 | 352,530 | 350,686 | 349,792 | 352,530 | 352,530 | 352,530 | 352,530 | 352,530 | 352,530 |
| TOTAL | 919,832 | 932,937 | 822,044 | 854,631 | 817,067 | 797,719 | 837,376 | 757,805 | 739,087 | 735,115 | 747,410 | 754,666 | 786,050 | 753,246 | 756,651 | 746,228 | 753,246 | 753,246 | 753,246 | 753,246 | 753,246 | 753,246 |

2003-2018 Actual Usage - 2019-2024 Projected Usage



Both of the graphs shown above show the actual water usage by class, and by block within the Single Family class, from 2003 through 2018. After 2018, the usage is projected to remain at approximately the 2016 levels of usage. The lower block graph is shown as a way to depict the trending in water usage more clearly. It shows that water usage was trending down from 2003 through 2010 and then remained fairly flat until 2015 when there was an unusually hot summer. It is generally understood that the downward trend prior to 2010 is a result of efforts made by utilities to educate users about the benefits of conserving water. During 2015, the use of water during the summer months caused a temporary curtailment in water usage on a regional level but usage for North City customers was not affected. In fact, 2015 was a banner year for the District. 2016 was a wet summer and the usage fell below the levels in 2013-2014. Usage in 2017 and 2018 are above the projected levels, but given the volatility in weather patterns in recent years, the 2016 usage will be used going forward.



Revenue Requirement Increases

2019-2020 - Budget

| Projected Costs (Needs/Uses): | 2019 | 2020 | Combined |
|--|---------------------|---------------------|----------------------|
| Purchased Water: | \$ 1,512,000 | \$ 1,601,000 | \$ 3,113,000 |
| Salaries and Benefits (net capitalization) | 1,709,207 | 1,760,439 | 3,469,646 |
| Administration and O&M | 948,450 | 990,350 | 1,938,800 |
| Taxes | 365,048 | 379,627 | 744,675 |
| Franchise Fees | 395,606 | 411,444 | 807,051 |
| Debt Service | 1,134,900 | 933,824 | 2,068,724 |
| Capital Transfer | 1,100,000 | 1,200,000 | 2,300,000 |
| CIC Transfer | 274,600 | 285,584 | 560,184 |
| Vehicle Replacement Contribution | 79,000 | 81,000 | 160,000 |
| Transfer to Perservation Account | 50,000 | 50,000 | 100,000 |
| Additions to (Use of) Reserves | <u>(60,781)</u> | <u>110,173</u> | <u>49,392</u> |
| Total Projected Costs (Needs/Uses) | 7,508,030 | 7,803,442 | 15,311,472 |
| Less Interest Earnings | (32,636) | (31,116) | (63,752) |
| Less Other Revenue (<i>Late Fees, Rents, Hookups</i>) | (486,350) | (503,477) | (989,827) |
| Rate Revenues Required (<i>Revenue Requirement</i>) | \$ 6,989,045 | \$ 7,268,849 | \$ 14,257,894 |
| Less Revenues at Existing Rates | (6,720,235) | (6,989,045) | (13,709,280) |
| Revenue Short Fall | \$ 268,809 | \$ 279,805 | \$ 548,614 |
| % Rate Revenue Increase Needed | 4.00% | 4.00% | 8.16% |



Summary of Service & Other Revenue

2019 - Budget

| | Base & Usage Revenue | CIC Revenue | ERU Revenue | Franchise Fee Revenue | Total Revenue |
|--|----------------------|-------------------|-------------------|-----------------------|---------------------|
| Base Revenue - 2019 stats at 2018 Rates | | | | | |
| SERVICE REVENUE | | | | | |
| SINGLE FAMILY | \$ 4,143,820 | \$ 150,067 | \$ 194,046 | \$ 271,297 | \$ 4,759,230 |
| MULTI - FAMILY | 813,621 | 57,669 | 74,548 | 55,722 | 1,001,559 |
| TOTAL NON-RESIDENTIAL | - | - | - | - | - |
| <i>Commercial</i> | 356,424 | 29,794 | 38,438 | 25,046 | 449,701 |
| <i>Municipal</i> | 54,518 | 16,471 | 21,231 | 5,545 | 97,766 |
| <i>Wholesale</i> | 154,648 | 9,475 | 12,214 | 9,793 | 186,130 |
| TOTAL NON-RESIDENTIAL | 565,590 | 55,740 | 71,883 | 40,384 | 733,597 |
| IRRIGATION | 128,959 | 564 | - | 7,968 | 137,491 |
| FIRELINES | 83,339 | - | - | 5,019 | 88,358 |
| TOTAL SERVICE REVENUE | 5,735,329 | 264,039 | 340,477 | 380,391 | 6,720,235 |
| OTHER REVENUE | 518,986 | | | | 518,986 |
| Total Base Revenue | \$ 6,254,315 | \$ 264,039 | \$ 340,477 | \$ 380,391 | \$ 7,239,221 |
| Revenue Increase Needed | | | | | |
| SERVICE REVENUE | | | | | |
| SINGLE FAMILY | \$ 165,753 | \$ 6,003 | \$ 7,762 | \$ 10,852 | \$ 190,369 |
| MULTI - FAMILY | 32,545 | 2,307 | 2,982 | 2,229 | 40,062 |
| NON-RESIDENTIAL | | | | | |
| <i>Commercial</i> | 14,257 | 1,192 | 1,538 | 1,002 | 17,988 |
| <i>Municipal</i> | 2,181 | 659 | 849 | 222 | 3,911 |
| <i>Wholesale</i> | 6,186 | 379 | 489 | 392 | 7,445 |
| TOTAL NON-RESIDENTIAL | 22,624 | 2,230 | 2,875 | 1,615 | 29,344 |
| IRRIGATION | 5,158 | 23 | - | 319 | 5,500 |
| FIRELINES | 3,334 | - | - | 201 | 3,534 |
| TOTAL SERVICE REVENUE | 229,413 | 10,562 | 13,619 | 15,216 | 268,809 |
| TOTAL OTHER REVENUE | - | - | - | - | - |
| Total Revenue Increase | \$ 229,413 | \$ 10,562 | \$ 13,619 | \$ 15,216 | \$ 268,809 |
| Total Revenue - 2019 | | | | | |
| SERVICE REVENUE | | | | | |
| SINGLE FAMILY | \$ 4,309,572 | \$ 156,069 | \$ 201,808 | \$ 282,149 | \$ 4,949,599 |
| MULTI - FAMILY | 846,166 | 59,975 | 77,530 | 57,951 | 1,041,622 |
| NON-RESIDENTIAL | | | | | |
| <i>Commercial</i> | 370,681 | 30,985 | 39,976 | 26,047 | 467,689 |
| <i>Municipal</i> | 56,699 | 17,130 | 22,081 | 5,767 | 101,677 |
| <i>Wholesale</i> | 160,834 | 9,854 | 12,702 | 10,185 | 193,575 |
| TOTAL NON-RESIDENTIAL | 588,214 | 57,969 | 74,758 | 42,000 | 762,941 |
| IRRIGATION | 134,117 | 586 | - | 8,287 | 142,990 |
| FIRELINES | 86,673 | - | - | 5,219 | 91,892 |
| TOTAL SERVICE REVENUE | 5,964,742 | 274,600 | 354,096 | 395,606 | 6,989,045 |
| TOTAL OTHER REVENUE | 518,986 | | | | 518,986 |
| Total Revenue - 2019 | \$ 6,483,728 | \$ 274,600 | \$ 354,096 | \$ 395,606 | \$ 7,508,030 |



Summary of Service & Other Revenue

2020 - Budget

| | Base & Usage Revenue | CIC Revenue | ERU Revenue | Franchise Fee Revenue | Total Revenue |
|--|----------------------|-------------------|-------------------|-----------------------|---------------------|
| Base Revenue - 2018 stats at 2017 Rates | | | | | |
| SERVICE REVENUE | | | | | |
| SINGLE FAMILY | \$ 4,309,572 | \$ 156,069 | \$ 201,808 | \$ 282,149 | \$ 4,949,599 |
| MULTI - FAMILY | 846,166 | 59,975 | 77,530 | 57,951 | 1,041,622 |
| TOTAL NON-RESIDENTIAL | - | - | - | - | - |
| <i>Commercial</i> | 370,681 | 30,985 | 39,976 | 26,047 | 467,689 |
| <i>Municipal</i> | 56,699 | 17,130 | 22,081 | 5,767 | 101,677 |
| <i>Wholesale</i> | 160,834 | 9,854 | 12,702 | 10,185 | 193,575 |
| TOTAL NON-RESIDENTIAL | 588,214 | 57,969 | 74,758 | 42,000 | 762,941 |
| IRRIGATION | 134,117 | 586 | - | 8,287 | 142,990 |
| FIRELINES | 86,673 | - | - | 5,219 | 91,892 |
| TOTAL SERVICE REVENUE | 5,964,742 | 274,600 | 354,096 | 395,606 | 6,989,045 |
| OTHER REVENUE | 518,986 | | | | 518,986 |
| Total Base Revenue | \$ 6,483,728 | \$ 274,600 | \$ 354,096 | \$ 395,606 | \$ 7,508,030 |
| Revenue Increase Needed | | | | | |
| SERVICE REVENUE | | | | | |
| SINGLE FAMILY | \$ 172,612 | \$ 6,243 | \$ 8,072 | \$ 11,296 | \$ 198,223 |
| MULTI - FAMILY | 33,847 | 2,399 | 3,101 | 2,320 | 41,667 |
| NON-RESIDENTIAL | | | | | |
| <i>Commercial</i> | 14,827 | 1,239 | 1,599 | 1,043 | 18,708 |
| <i>Municipal</i> | 2,268 | 685 | 883 | 231 | 4,067 |
| <i>Wholesale</i> | 6,433 | 394 | 508 | 408 | 7,743 |
| TOTAL NON-RESIDENTIAL | 23,529 | 2,319 | 2,990 | 1,681 | 30,519 |
| IRRIGATION | 5,365 | 23 | - | 332 | 5,720 |
| FIRELINES | 3,467 | - | - | 209 | 3,676 |
| TOTAL SERVICE REVENUE | 238,819 | 10,984 | 14,164 | 15,838 | 279,805 |
| TOTAL OTHER REVENUE | 15,607 | - | - | - | 15,607 |
| Total Revenue Increase | \$ 254,426 | \$ 10,984 | \$ 14,164 | \$ 15,838 | \$ 295,411 |
| Total Revenue - 2020 | | | | | |
| SERVICE REVENUE | | | | | |
| SINGLE FAMILY | \$ 4,482,184 | \$ 162,312 | \$ 209,880 | \$ 293,445 | \$ 5,147,822 |
| MULTI - FAMILY | 880,012 | 62,374 | 80,631 | 60,271 | 1,083,289 |
| NON-RESIDENTIAL | | | | | |
| <i>Commercial</i> | 385,508 | 32,225 | 41,575 | 27,090 | 486,398 |
| <i>Municipal</i> | 58,967 | 17,815 | 22,964 | 5,998 | 105,744 |
| <i>Wholesale</i> | 167,267 | 10,248 | 13,210 | 10,593 | 201,318 |
| TOTAL NON-RESIDENTIAL | 611,742 | 60,288 | 77,749 | 43,681 | 793,460 |
| IRRIGATION | 139,482 | 610 | - | 8,619 | 148,710 |
| FIRELINES | 90,140 | - | - | 5,428 | 95,568 |
| TOTAL SERVICE REVENUE | 6,203,561 | 285,584 | 368,260 | 411,444 | 7,268,849 |
| TOTAL OTHER REVENUE | 534,593 | | | | 534,593 |
| Total Revenue - 2020 | \$ 6,738,153 | \$ 285,584 | \$ 368,260 | \$ 411,444 | \$ 7,803,442 |



Rates



Water Rates & Charges

2019 - Budget

| Meter Size | | Base Rate | | Water Usage Charge | | | CIC & ERU | |
|------------|---|-------------------------|----------|--------------------|--------------|--------------|--------------|--------------|
| Rate Code | Single Family Residential or Open Air Condominium | | | Usage | Usage | Usage | CIC | ERU |
| | BI-MONTHLY | | | 0 to 10 CCF | 11 to 24 CCF | 25 and > CCF | per Dwelling | per Dwelling |
| 158 | 5/8 / 3/4 | \$ | 51.47 | \$ 3.12 | \$ 4.79 | \$ 6.45 | \$ 3.46 | \$ 4.47 |
| 101 | 1" | | 98.55 | 3.12 | 4.79 | 6.45 | \$ 3.46 | \$ 4.47 |
| 115 | 1 1/2" | | 173.85 | 3.12 | 4.79 | 6.45 | \$ 3.46 | \$ 4.47 |
| 102 | 2" | | 271.54 | 3.12 | 4.79 | 6.45 | \$ 3.46 | \$ 4.47 |
| Rate Code | 1" Flow-Through Residential Meters (domestic and fire protection) | | | Usage | Usage | Usage | | |
| | Billed Bi-Monthly | | | 0 to 10 CCF | 11 to 24 CCF | 25 > CCF | | |
| 159 | 1" | \$ | 51.47 | \$ 3.12 | \$ 4.79 | \$ 6.45 | | |
| Rate Code | Multifamily Residential | | | Usage | Water Use | | CIC | ERU |
| | BI-MONTHLY | | | Threshold | Charge | | per ERU | by Sq Ft |
| 558 | 5/8 / 3/4 | \$ | 51.47 | 0 and > CCF | \$ 3.82 | | \$ 3.46 | \$ 4.47 |
| 501/521 | 1" | | 98.55 | 0 and > CCF | 3.82 | | \$ 3.46 | \$ 4.47 |
| 515/525 | 1 1/2" | | 173.85 | 0 and > CCF | 3.82 | | \$ 3.46 | \$ 4.47 |
| 502/522 | 2" | | 271.54 | 0 and > CCF | 3.82 | | \$ 3.46 | \$ 4.47 |
| 503/523 | 3" | | 593.34 | 0 and > CCF | 3.82 | | \$ 3.46 | \$ 4.47 |
| Rate Code | Number of Dwellings | Multifamily Residential | | Usage | Water Use | | CIC | ERU |
| | | BI-MONTHLY/MONTHLY | | Threshold | Charge | | per ERU | by Sq Ft |
| 504/524 | 4" | 882.92 | 441.46 | 0 and > CCF | \$ 3.82 | | \$ 3.46 | \$ 4.47 |
| 506/526 | 6" | 1,671.47 | 835.74 | 0 and > CCF | 3.82 | | \$ 3.46 | \$ 4.47 |
| Rate Code | Non Residential - Commercial | | | Usage | Water Use | | CIC | ERU |
| | BI-MONTHLY | | | Threshold | Charge | | per ERU | by Sq Ft |
| 458 | 5/8 / 3/4 | \$ | 51.47 | 0 and > CCF | \$ 4.53 | | \$ 3.46 | \$ 4.47 |
| 401 | 1" | | 98.55 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 415 | 1 1/2" | | 173.85 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 402 | 2" | | 271.54 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 403 | 3" | | 593.34 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 404 | 4" | | 882.92 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 406 | 6" | | 1,671.47 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 408 | 8" | | 2,612.98 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| Rate Code | Non Residential - Municipal | | | Usage | Water Use | | CIC | ERU |
| | BI-MONTHLY/MONTHLY | | | Threshold | Charge | | per ERU | by Sq Ft |
| 118 | 5/8 / 3/4 | 51.47 | \$ 25.74 | 0 and > CCF | \$ 4.53 | | \$ 3.46 | \$ 4.47 |
| 111 | 1" | 98.55 | 49.28 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 119 | 1 1/2" | 173.85 | 86.93 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 112 | 2" | 271.54 | 135.77 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 113 | 3" | 593.34 | 296.67 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| 114 | 4" | 882.92 | 441.46 | 0 and > CCF | 4.53 | | \$ 3.46 | \$ 4.47 |
| Rate Code | Non Residential - Wholesale | | | Usage | Water Use | Rate Code | CIC | ERU |
| | BI-MONTHLY/MONTHLY | | | Threshold | Charge | | per ERU | by Sq Ft |
| 626 | 6" | \$ 1,671.47 | 835.74 | 0 and > CCF | 4.53 | 606 | \$ 3.46 | \$ 4.47 |
| 628 | 8" | \$ 2,612.98 | 1,306.49 | 0 and > CCF | 4.53 | 608 | \$ 3.46 | \$ 4.47 |
| Rate Code | LIFE SAVING MEDICAL TREATMENT | | | Usage | Usage | Usage | CIC | ERU |
| | Single Family Residential or Open Air Condominium | | | 0-10 CCF | 11-24 CCF | 25 and > CCF | per dwelling | per Dwelling |
| | BI-MONTHLY | | | | | | | |
| 358 | 5/8 / 3/4 | \$ | 51.47 | \$ 3.12 | \$ 4.79 | \$ 6.45 | \$ 3.46 | \$ 4.47 |
| 301 | 1" | | 98.55 | 3.12 | 4.79 | 6.45 | \$ 3.46 | \$ 4.47 |
| 315 | 1 1/2" | | 173.85 | 3.12 | 4.79 | 6.45 | \$ 3.46 | \$ 4.47 |
| 302 | 2" | | 271.54 | 3.12 | 4.79 | 6.45 | \$ 3.46 | \$ 4.47 |
| Rate Code | Fire Sprinkler Service | | | | | | | |
| | BI-MONTHLY/MONTHLY | | | | | | | |
| F10 | 1.0" | \$ | 27.98 | \$ | 13.99 | | | |
| F15 | 1.5" | | 32.74 | | 16.37 | | | |
| F20 | 2" | | 45.76 | | 22.88 | | | |
| F30 | 3" | | 141.76 | | 70.88 | | | |
| F40 | 4" | | 177.32 | | 88.66 | | | |
| F60 | 6" | | 260.28 | | 130.14 | | | |
| F80 | 8" | | 355.08 | | 177.54 | | | |
| Rate Code | Irrigation | | | Usage | Water Use | | CIC | |
| | BI-MONTHLY/MONTHLY | | | Threshold | Charge | | per ERU | |
| 258/258 | 5/8 / 3/4 | \$ | 72.04 | \$ | 36.02 | 0 and > CCF | \$ 6.45 | \$ 3.46 |
| 211/211 | 1" | | 150.04 | | 75.02 | 0 and > CCF | 6.45 | \$ 3.46 |
| 215/215 | 1 1/2" | | 276.76 | | 138.38 | 0 and > CCF | 6.45 | \$ 3.46 |
| 202/202 | 2" | | 436.22 | | 218.11 | 0 and > CCF | 6.45 | \$ 3.46 |
| 203/203 | 3" | | 922.70 | | 461.35 | 0 and > CCF | 6.45 | \$ 3.46 |
| 204/204 | 4" | | 1,397.54 | | 698.77 | 0 and > CCF | 6.45 | \$ 3.46 |
| 206/206 | 6" | | 2,700.72 | | 1,350.36 | 0 and > CCF | 6.45 | \$ 3.46 |
| 208/208 | 8" | | 4,259.78 | | 2,129.89 | 0 and > CCF | 6.45 | \$ 3.46 |

There is a 6% City Franchise Fee added to the customers total billing.



Water Rates & Charges

2020 - Budget

| Meter Size | | Base Rate | Water Usage Charge | | | CIC & ERU | |
|------------------|--|-----------|----------------------|-----------------------|-----------------------|---------------------|---------------------|
| Rate Code | Single Family Residential or Open Air Condominium <i>BI-MONTHLY</i> | | Usage 0 to 10 CCF | Usage 11 to 24 CCF | Usage 25 and > CCF | CIC per Dwelling | ERU per Dwelling |
| 158 | 5/8 / 3/4 | | | | | | |
| 101 | 1" | | | | | | |
| 115 | 1 1/2" | | | | | | |
| 102 | 2" | | | | | | |
| Rate Code | 1" Flow-Through Residential Meters (domestic and fire protection) <i>Billed Bi-Monthly</i> | | Usage 0 to 10 CCF | Usage 11 to 24 CCF | Usage 25 > CCF | | |
| 159 | 1" | | \$ - | \$ - | \$ - | | |
| Rate Code | Multifamily Residential <i>BI-MONTHLY</i> | | Usage Threshold | Water Use Charge | | CIC per ERU | ERU by Sq Ft |
| 558 | 5/8 / 3/4 | | 0 and > CCF | | | | |
| 501/521 | 1" | | 0 and > CCF | | | | |
| 515/525 | 1 1/2" | | 0 and > CCF | | | | |
| 502/522 | 2" | | 0 and > CCF | | | | |
| 503/523 | 3" | | 0 and > CCF | | | | |
| Rate Code | Non Residential - Residential <i>BI-MONTHLY/MONTHLY</i> | | Usage Threshold | Water Use Charge | | CIC per ERU | ERU by Sq Ft |
| 504/524 | 4" | 424.48 | 0 and > CCF | \$ - | | | |
| 506/526 | 6" | 803.59 | 0 and > CCF | - | | | |
| Rate Code | Non Residential - Commercial <i>BI-MONTHLY</i> | | Usage Threshold | Water Use Charge | | CIC per ERU | ERU by Sq Ft |
| 458 | 5/8 / 3/4 | | 0 and > CCF | | | | |
| 401 | 1" | | 0 and > CCF | | | | |
| 415 | 1 1/2" | | 0 and > CCF | | | | |
| 402 | 2" | | 0 and > CCF | | | | |
| 403 | 3" | | 0 and > CCF | | | | |
| 404 | 4" | | 0 and > CCF | | | | |
| 406 | 6" | | 0 and > CCF | | | | |
| 408 | 8" | | 0 and > CCF | | | | |
| Rate Code | Non Residential - Municipal <i>BI-MONTHLY/MONTHLY</i> | | Usage Threshold | Water Use Charge | | CIC per ERU | ERU by Sq Ft |
| 118 | 5/8 / 3/4 | | 0 and > CCF | \$ - | | | |
| 111 | 1" | | 0 and > CCF | - | | | |
| 119 | 1 1/2" | | 0 and > CCF | - | | | |
| 112 | 2" | | 0 and > CCF | - | | | |
| 113 | 3" | | 0 and > CCF | - | | | |
| 114 | 4" | | 0 and > CCF | - | | | |
| Rate Code | Non Residential - Wholesale <i>BI-MONTHLY/MONTHLY</i> | | Usage Threshold | Water Use Charge | Rate Code | CIC per ERU | ERU by Sq Ft |
| 626 | 6" | | 0 and > CCF | - | 606 | | |
| 628 | 8" | | 0 and > CCF | - | 608 | | |
| Rate Code | LIFE SAVING MEDICAL TREATMENT Single Family Residential or Open Air Condominium <i>BI-MONTHLY</i> | | Usage 0-10 CCF | Usage 11-24 CCF | Usage 25 and > CCF | CIC per dwelling | ERU per Dwelling |
| 358 | 5/8 / 3/4 | | | | | | |
| 301 | 1" | | | | | | |
| 315 | 1 1/2" | | | | | | |
| 302 | 2" | | | | | | |
| Rate Code | Fire Sprinkler Service <i>BI-MONTHLY/MONTHLY</i> | | | | | | |
| F10 | 1.0" | | | | | | |
| F15 | 1.5" | | | | | | |
| F20 | 2" | | | | | | |
| F30 | 3" | | | | | | |
| F40 | 4" | | | | | | |
| F60 | 6" | | | | | | |
| F80 | 8" | | | | | | |
| Rate Code | Irrigation <i>BI-MONTHLY/MONTHLY</i> | | Usage Threshold | Water Use Charge | | CIC per ERU | |
| 258/258 | 5/8 / 3/4 | | 0 and > CCF | | | | |
| 211/211 | 1" | | 0 and > CCF | | | | |
| 215/215 | 1 1/2" | | 0 and > CCF | | | | |
| 202/202 | 2" | | 0 and > CCF | | | | |
| 203/203 | 3" | | 0 and > CCF | | | | |
| 204/204 | 4" | | 0 and > CCF | | | | |
| 206/206 | 6" | | 0 and > CCF | | | | |
| 208/208 | 8" | | 0 and > CCF | | | | |

Subject to a Cost-of-Service Rate Study to be conducted in 2019

There is a 6% City Franchise Fee added to the customers total billing.



Bi-Monthly Bill Comparisons

2019 - Budget

| DISTRICT/CITY | Winter Usage - 11 CCF | | | Summer Usage - 20 CCF | | | Annualized |
|--|-----------------------|-----------------|------------------|-----------------------|-----------------|------------------|------------------|
| | Base Rate | Usage | Total | Base Rate | Usage | Total | Total |
| 2018 | | | | | | | |
| WD 119 | \$ 84.00 | \$ 32.98 | \$ 116.98 | \$ 84.00 | \$ 105.51 | \$ 189.51 | \$ 141.16 |
| Seattle Public Utilities-Shoreline & LFP | \$ 39.10 | \$ 69.41 | \$ 108.51 | \$ 39.10 | \$ 164.79 | \$ 203.89 | \$ 140.30 |
| City of Duwall | \$ 54.36 | \$ 54.98 | \$ 109.34 | \$ 54.36 | \$ 133.28 | \$ 187.64 | \$ 135.44 |
| City of Kirkland | \$ 46.17 | \$ 49.80 | \$ 95.96 | \$ 46.17 | \$ 113.56 | \$ 159.73 | \$ 117.22 |
| Lake Forest Park Water District | \$ 72.08 | \$ 34.98 | \$ 107.06 | \$ 72.08 | \$ 63.60 | \$ 135.68 | \$ 116.60 |
| Seattle Public Utilities-inside Seattle | \$ 32.20 | \$ 57.20 | \$ 89.40 | \$ 32.20 | \$ 135.92 | \$ 168.12 | \$ 115.64 |
| City of Bellevue | \$ 51.21 | \$ 44.20 | \$ 95.42 | \$ 51.21 | \$ 94.91 | \$ 146.13 | \$ 112.32 |
| North City Water District | \$ 60.55 | \$ 36.69 | \$ 97.24 | \$ 60.55 | \$ 80.70 | \$ 141.25 | \$ 111.91 |
| Woodinville Water District | \$ 42.60 | \$ 44.37 | \$ 86.97 | \$ 42.60 | \$ 110.70 | \$ 153.30 | \$ 109.08 |
| Skyway Water & Sewer District | \$ 38.48 | \$ 50.39 | \$ 88.87 | \$ 38.48 | \$ 110.36 | \$ 148.84 | \$ 108.86 |
| City of Mercer Island | \$ 35.13 | \$ 48.74 | \$ 83.87 | \$ 35.13 | \$ 112.21 | \$ 147.34 | \$ 105.03 |
| Coal Creek | \$ 43.05 | \$ 40.11 | \$ 83.16 | \$ 43.05 | \$ 81.60 | \$ 124.65 | \$ 96.99 |
| Northshore Utility District | \$ 32.01 | \$ 42.24 | \$ 74.25 | \$ 32.01 | \$ 83.74 | \$ 115.75 | \$ 88.09 |
| Sammamish Plateau | \$ 59.50 | \$ 21.45 | \$ 80.95 | \$ 59.50 | \$ 42.78 | \$ 102.28 | \$ 88.06 |
| Highline Water District | \$ 30.30 | \$ 41.03 | \$ 71.33 | \$ 30.30 | \$ 84.95 | \$ 115.25 | \$ 85.97 |
| WD 90 | \$ 52.30 | \$ 18.60 | \$ 70.90 | \$ 52.30 | \$ 60.00 | \$ 112.30 | \$ 84.70 |
| City of Renton | \$ 35.20 | \$ 34.05 | \$ 69.25 | \$ 35.20 | \$ 72.75 | \$ 107.95 | \$ 82.15 |
| City of Bothell | \$ 28.62 | \$ 32.23 | \$ 60.85 | \$ 28.62 | \$ 69.40 | \$ 98.02 | \$ 73.24 |
| Olympic View Water & Sewer District | \$ 39.20 | \$ 23.21 | \$ 62.41 | \$ 39.20 | \$ 47.20 | \$ 86.40 | \$ 70.41 |
| 2019 | | | | | | | |
| Seattle Public Utilities-Shoreline & LFP | \$ 41.60 | \$ 70.29 | \$ 111.89 | \$ 41.60 | \$ 166.85 | \$ 208.45 | \$ 144.08 |
| City of Kirkland | \$ 47.55 | \$ 51.33 | \$ 98.88 | \$ 47.55 | \$ 116.99 | \$ 164.54 | \$ 120.76 |
| Seattle Public Utilities-Inside Seattle | \$ 34.30 | \$ 57.97 | \$ 92.27 | \$ 34.30 | \$ 137.62 | \$ 171.92 | \$ 118.82 |
| City of Bellevue | \$ 53.11 | \$ 45.84 | \$ 98.95 | \$ 53.11 | \$ 98.42 | \$ 151.53 | \$ 116.48 |
| North City Water District | \$ 62.96 | \$ 38.16 | \$ 101.12 | \$ 62.96 | \$ 83.93 | \$ 146.89 | \$ 116.38 |
| Woodinville Water District | \$ 43.80 | \$ 45.64 | \$ 89.44 | \$ 43.80 | \$ 113.91 | \$ 157.71 | \$ 112.20 |

COMPUTATION OF A SINGLE FAMILY BI-MONTHLY WATER BILL FOR NCWD

| | 2018 Bi-Monthly Bill | | 2019 Bi-Monthly Bill | |
|---|----------------------|------------------|----------------------|------------------|
| | 11 CCF | 20 CCF | 11 CCF | 20 CCF |
| Base Charge | | | | |
| Base Rate 5/8" | \$ 49.49 | \$ 49.49 | \$ 51.47 | \$ 51.47 |
| Fire Protection per 1 ERU | \$ 4.30 | \$ 4.30 | \$ 4.47 | \$ 4.47 |
| Capital Improvement Charge PER ERU | \$ 3.33 | \$ 3.33 | \$ 3.46 | \$ 3.46 |
| Franchise Fee (6% FF) | \$ 3.43 | \$ 3.43 | \$ 3.56 | \$ 3.56 |
| Total Base Charge | \$ 60.55 | \$ 60.55 | \$ 62.96 | \$ 62.96 |
| Consumption Charge (including 6% FF) | \$ 36.69 | \$ 80.70 | \$ 38.16 | \$ 83.93 |
| Total Bi-Monthly Beill | \$ 97.24 | \$ 141.25 | \$ 101.12 | \$ 146.89 |

| Consumption Rates | 2018 | 2018 w FF | 2019 | 2019 w FF |
|-----------------------|---------|-----------|---------|-----------|
| Block 1 = 0-10 ccf | \$ 3.00 | \$ 3.18 | \$ 3.12 | \$ 3.31 |
| Block 2 = 11- 24 ccf | \$ 4.61 | \$ 4.89 | \$ 4.79 | \$ 5.08 |
| Block 3 = over 25 ccf | \$ 6.20 | \$ 6.57 | \$ 6.45 | \$ 6.84 |



Forecasts



Cash Flow Forecast 2019-2030 Forecast

| OPERATING ACCOUNT | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025-2030 | 2019-2030 |
|--|----------------------|----------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Sources: | | | | | | | | | |
| BEGINNING BALANCE | \$ 1,274,641 | \$ 1,305,426 | \$ 1,244,645 | \$ 1,354,818 | \$ 1,171,502 | \$ 1,170,391 | \$ 1,147,851 | \$ 1,110,977 | \$ 1,305,426 |
| Rate Revenue Increase | 0.0% | 4.0% | 4.0% | 4.0% | 4.5% | 4.5% | 4.5% | | |
| REVENUE | | | | | | | | | |
| Net Interest Earnings | 38,535 | 32,636 | 31,116 | 40,645 | 41,003 | 40,964 | 40,175 | 307,027 | 533,564 |
| Fixed and Usage Service Revenue | 6,693,558 | 6,989,045 | 7,268,849 | 7,595,947 | 7,937,765 | 8,294,964 | 8,668,238 | 60,328,851 | 107,083,659 |
| Total Other Revenues | 493,109 | 486,350 | 503,477 | 522,271 | 541,800 | 562,093 | 583,180 | 3,976,378 | 7,175,549 |
| TOTAL REVENUE | 7,225,202 | 7,508,030 | 7,803,442 | 8,158,863 | 8,520,568 | 8,898,021 | 9,291,593 | 64,305,229 | 114,259,208 |
| Total Sources | \$ 8,499,843 | \$ 8,813,456 | \$ 9,079,203 | \$ 9,554,325 | \$ 9,733,072 | \$ 10,109,376 | \$ 10,479,618 | \$ 65,723,233 | \$ 116,098,198 |
| Uses: | | | | | | | | | |
| OPERATING COSTS | | | | | | | | | |
| Total Admin/Planning/Cust Service/Taxes | \$ 2,226,763 | \$ 2,331,610 | \$ 2,423,836 | \$ 2,519,078 | \$ 2,618,078 | \$ 2,720,987 | \$ 2,827,962 | 19,557,809 | 34,999,361 |
| SPU Rate Increase | 6% SPU Inc | 6% SPU Inc | 6% SPU Inc | 7% SPU Inc | 7% SPU Inc | 7% SPU Inc | 7% SPU Inc | 7% SPU Inc | |
| Water Purchases | 1,397,112 | 1,512,000 | 1,601,000 | 1,713,070 | 1,832,985 | 1,961,294 | 2,098,584 | 16,062,609 | 26,781,543 |
| All Other O&M costs | 1,041,750 | 1,086,702 | 1,118,025 | 1,347,671 | 1,395,977 | 1,446,047 | 1,497,946 | 10,188,935 | 18,081,301 |
| TOTAL OPERATING COSTS | 4,665,625 | 4,930,312 | 5,142,861 | 5,579,819 | 5,847,040 | 6,128,327 | 6,424,493 | 45,809,353 | 79,862,205 |
| CAPITAL COSTS | | | | | | | | | |
| Transfer CIC Revenues to Capital | 267,712 | 274,600 | 285,584 | 298,435 | 311,865 | 325,899 | 340,564 | 2,370,247 | 4,207,195 |
| Transfer to Vehicle Replacement Account | 77,000 | 79,000 | 81,000 | 83,000 | 85,000 | 88,000 | 91,000 | 609,000 | 1,116,000 |
| Transfer to Capital in Lieu of Depreciation | 1,000,000 | 1,100,000 | 1,200,000 | 1,200,000 | 1,100,000 | 1,200,000 | 1,300,000 | 7,800,000 | 14,900,000 |
| Total Debt Service (Net of Capitalization) | 1,134,225 | 1,134,900 | 933,824 | 1,130,924 | 1,127,773 | 1,128,335 | 1,122,409 | 7,360,198 | 13,938,363 |
| TOTAL CAPITAL COSTS | 2,478,936 | 2,588,500 | 2,500,408 | 2,712,359 | 2,624,638 | 2,742,234 | 2,853,974 | 18,139,444 | 34,161,558 |
| Transfer to Preservation Account | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 150,000 | 450,000 |
| Total Uses | \$ 7,194,418 | \$ 7,568,811 | \$ 7,693,269 | \$ 8,342,179 | \$ 8,521,678 | \$ 8,920,561 | \$ 9,328,467 | \$ 64,098,798 | \$ 114,473,763 |
| ENDING BALANCE - OPERATING ACCOUNT | \$ 1,305,426 | \$ 1,244,645 | \$ 1,354,818 | \$ 1,171,502 | \$ 1,170,391 | \$ 1,147,851 | \$ 1,110,977 | \$ 1,624,435 | \$ 1,624,435 |
| CAPITAL ACCOUNT | | | | | | | | | |
| Sources: | | | | | | | | | |
| BEGINNING BALANCE | \$ 11,139,807 | \$ 9,440,183 | \$ 5,643,648 | \$ 7,451,808 | \$ 7,791,613 | \$ 8,190,836 | \$ 9,284,464 | \$ 7,876,679 | \$ 9,440,183 |
| Transfer CIC Revenues from Operations | 267,712 | 274,600 | 285,584 | 298,435 | 311,865 | 325,899 | 340,564 | 2,370,247 | 4,207,195 |
| Transfer from Operations in Lieu of Depreciation | 1,000,000 | 1,100,000 | 1,200,000 | 1,200,000 | 1,100,000 | 1,200,000 | 1,300,000 | 7,800,000 | 14,900,000 |
| New Bond Proceeds | - | - | - | - | - | - | - | 5,000,000 | 5,000,000 |
| Total Other Sources of Funds | 1,154,303 | 1,023,112 | 2,404,961 | 487,568 | 350,638 | 493,947 | 175,941 | 2,526,528 | 7,462,694 |
| Total Sources | \$ 13,561,822 | \$ 11,837,895 | \$ 9,534,193 | \$ 9,437,812 | \$ 9,554,116 | \$ 10,210,681 | \$ 11,100,969 | \$ 25,573,453 | \$ 41,010,072 |
| Total Uses | \$ 4,128,439 | \$ 6,194,247 | \$ 2,082,385 | \$ 1,646,199 | \$ 1,363,280 | \$ 926,218 | \$ 3,224,290 | \$ 20,650,293 | \$ 36,086,912 |
| ENDING BALANCE - CAPITAL ACCOUNT | \$ 9,440,183 | \$ 5,643,648 | \$ 7,451,808 | \$ 7,791,613 | \$ 8,190,836 | \$ 9,284,464 | \$ 7,876,679 | \$ 4,923,160 | \$ 4,923,160 |
| OTHER FUNDS / ACCOUNTS | | | | | | | | | |
| END BAL - VEHICLE REPLACEMENT ACCOUNT | \$ 309,905 | \$ 336,194 | \$ 389,964 | \$ 264,438 | \$ 189,109 | \$ 135,535 | \$ 231,279 | \$ 398,564 | \$ 398,564 |
| ENDING BALANCE - PRESERVATION ACCOUNT | \$ 205,305 | \$ 258,590 | \$ 312,727 | \$ 367,731 | \$ 423,615 | \$ 480,392 | \$ 538,079 | \$ - | \$ - |
| ENDING BALANCE - RETAINAGE ACCOUNT | \$ 83,326 | \$ 83,326 | \$ 83,326 | \$ 83,326 | \$ 83,326 | \$ 83,326 | \$ 83,326 | \$ 83,326 | \$ 83,326 |
| ENDING BALANCE - BOND FUND | \$ 270,920 | \$ 76,920 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Ending Bal - All District Cash | \$ 11,531,739 | \$ 7,643,323 | \$ 9,592,643 | \$ 9,678,609 | \$ 10,057,277 | \$ 11,131,568 | \$ 9,840,340 | \$ 7,029,486 | \$ 7,029,486 |

