*Appendix A*

# EDMOND PUBLIC WORKS AUTHORITY
## WATER/WASTEWATER COST OF SERVICE MODEL

***Forecast Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | | | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1A Water Rates – Residential** | | | | | | | | | | | | | |
| Annual Adjustment | | | | 6.0% | 5.0% | 5.0% | 4.0% | 3.0% | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% |
| Min Chg | 5/8" or 3/4" | | $ 6.70 | $ 7.10 | $ 7.46 | $ 7.83 | $ 8.14 | $ 8.39 | $ 8.64 | $ 8.64 | $ 8.90 | $ 8.90 | $ 8.90 |
| | 1" | | 11.03 | 12.43 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | | 21.63 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | | 30.61 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | | 61.39 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| Usage Chg | 2,000 | 10,000 | 5.49 | 5.82 | 6.11 | 6.42 | 6.67 | 6.87 | 7.08 | 7.08 | 7.29 | 7.29 | 7.29 |
| | 11,000 | 20,000 | 5.89 | 6.82 | 7.11 | 7.42 | 7.67 | 7.87 | 8.08 | 8.08 | 8.29 | 8.29 | 8.29 |
| | 21,000 | Above | 6.49 | 8.52 | 8.89 | 9.27 | 9.59 | 9.84 | 10.10 | 10.10 | 10.36 | 10.36 | 10.36 |
| **1B Water Rates – Wholesale (Arcadia)** | | | | | | | | | | | | | |
| Master Meter Charge | | | $ 185.97 | $ 426.12 | $ 596.57 | $ 783.00 | $ 814.32 | $ 838.74 | $ 863.91 | $ 863.91 | $ 889.82 | $ 889.82 | $ 889.82 |
| Usage Charge Per Thousand Gallons | | | 5.63 | 5.96 | 6.26 | 6.58 | 6.84 | 7.04 | 7.26 | 7.26 | 7.47 | 7.47 | 7.47 |
| Service Availability Excess Rate | | | | | | | | | | | | | |
| **2A Wastewater Rates – Residential** | | | | | | | | | | | | | |
| Annual Adjustment | | | | 11.0% | 11.0% | 11.0% | 10.0% | 10.0% | 7.5% | 4.0% | 3.0% | 3.0% | 0.0% |
| Minimum Charge | | | $ 11.50 | $ 12.77 | $ 14.17 | $ 15.73 | $ 17.30 | $ 19.03 | $ 20.46 | $ 21.28 | $ 21.91 | $ 22.57 | $ 22.57 |
| Usage Charge | | | 2.76 | 3.06 | 3.40 | 3.77 | 4.15 | 4.57 | 4.91 | 5.11 | 5.26 | 5.42 | 5.42 |
| **2B Wastewater Rates – Wholesale** | | | | | | | | | | | | | |
| 6" Meter Charge | | | $ 185.97 | $ 426.12 | $ 596.57 | $ 783.00 | $ 814.32 | $ 838.74 | $ 863.91 | $ 863.91 | $ 889.82 | $ 889.82 | $ 889.82 |
| Usage Charge Per Thousand Gallons | | | 3.86 | 4.29 | 4.76 | 5.28 | 5.81 | 6.39 | 6.87 | 7.15 | 7.36 | 7.58 | 7.58 |
| **3 Average Monthly Charges – Residential** | | | | | | | | | | | | | |
| 5,000 Water, 5,000 WW | | | $ 54.76 | $ 58.46 | $ 63.07 | $ 68.09 | $ 72.89 | $ 77.75 | $ 81.96 | $ 83.76 | $ 86.28 | $ 87.72 | $ 87.72 |
| Increase | | | | 3.70 | 4.61 | 5.02 | 4.80 | 4.85 | 4.22 | 1.80 | 2.51 | 1.45 | - |
| 10,000 Water, 10,000 WW | | | $ 98.01 | $ 102.88 | $ 110.63 | $ 119.05 | $ 127.02 | $ 134.95 | $ 141.91 | $ 144.69 | $ 149.03 | $ 151.26 | $ 151.26 |
| Increase | | | | 4.87 | 7.75 | 8.42 | 7.97 | 7.93 | 6.96 | 2.78 | 4.34 | 2.24 | - |
| 30,000 Water, 10,000 WW | | | $ 227.81 | $ 256.31 | $ 270.61 | $ 285.90 | $ 299.65 | $ 312.08 | $ 323.68 | $ 326.46 | $ 335.58 | $ 337.82 | $ 337.82 |
| Increase | | | | 28.50 | 14.29 | 15.30 | 13.74 | 12.43 | 11.60 | 2.78 | 9.12 | 2.24 | - |
| 50,000 Water, 10,000 WW | | | $ 357.61 | $ 426.80 | $ 448.37 | $ 471.30 | $ 491.46 | $ 508.90 | $ 525.65 | $ 528.43 | $ 542.86 | $ 545.10 | $ 545.10 |
| Increase | | | | 69.19 | 21.57 | 22.93 | 20.16 | 17.44 | 16.75 | 2.78 | 14.43 | 2.24 | - |
| **4 Customer and Usage Data** | | | | | | | | | | | | | |
| Water – Usage (Gallons) | | | | | | | | | | | | | |
| Residential | | | | 2,871,369,641 | 2,929,789,102 | 2,988,208,564 | 3,046,628,025 | 3,105,047,487 | 3,160,811,518 | 3,216,575,550 | 3,272,339,581 | 3,325,448,182 | 3,373,245,924 |
| Non-Residential | | | | 850,320,256 | 888,152,822 | 911,285,387 | 923,467,953 | 935,650,519 | 950,878,726 | 966,106,933 | 981,335,140 | 996,563,347 | 1,011,791,554 |
| Total Water | | | | 3,721,689,897 | 3,817,941,924 | 3,899,493,951 | 3,970,095,978 | 4,040,698,005 | 4,111,690,244 | 4,182,682,482 | 4,253,674,721 | 4,322,011,529 | 4,385,037,478 |
| Water – Accounts | | | | | | | | | | | | | |
| Residential | | | | 27,033 | 27,583 | 28,133 | 28,683 | 29,233 | 29,758 | 30,283 | 30,808 | 31,308 | 31,758 |
| Non-Residential | | | | 2,558 | 2,600 | 2,641 | 2,681 | 2,721 | 2,771 | 2,821 | 2,871 | 2,921 | 2,971 |
| Total Water | | | | 29,591 | 30,183 | 30,774 | 31,364 | 31,954 | 32,529 | 33,104 | 33,679 | 34,229 | 34,729 |
| Wastewater – Accounts | | | | | | | | | | | | | |
| Residential | | | | 28,358 | 28,853 | 29,348 | 29,843 | 30,338 | 30,811 | 31,283 | 31,756 | 32,206 | 32,611 |
| Non-Residential | | | | 2,274 | 2,311 | 2,347 | 2,383 | 2,419 | 2,464 | 2,509 | 2,554 | 2,599 | 2,644 |
| Total Wastewater | | | | 30,632 | 31,164 | 31,695 | 32,226 | 32,757 | 33,275 | 33,792 | 34,310 | 34,805 | 35,255 |



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## EDMOND PUBLIC WORKS AUTHORITY
## WATER/WASTEWATER COST OF SERVICE MODEL

***Forecast Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | **Cash Basis -- Cost of Service** | | | | | | | | | | | |
| 1 | Water Rate Revenues | | $ 23,747,541 | $ 26,098,668 | $ 28,291,569 | $ 30,187,432 | $ 31,705,775 | $ 33,174,151 | $ 34,135,556 | $ 35,287,673 | $ 36,268,924 | $ 36,796,454 |
| 2a | Water Development Fees | | 878,918 | 957,829 | 955,652 | 954,546 | 955,652 | 921,464 | 921,464 | 921,464 | 887,388 | 814,524 |
| 2b | Water Non-Rate Revenues | | 3,496,014 | 3,574,929 | 3,642,988 | 3,702,895 | 3,708,103 | 3,819,346 | 3,933,926 | 4,051,944 | 4,173,503 | 4,298,708 |
| 3 | WW Rate Revenues | | 12,023,495 | 13,620,481 | 15,374,009 | 17,252,065 | 19,284,843 | 21,253,361 | 22,750,876 | 23,888,674 | 24,964,151 | 25,604,379 |
| 4a | WW Development Fees | | 680,008 | 745,247 | 742,416 | 742,416 | 742,416 | 722,228 | 722,228 | 722,228 | 696,661 | 634,009 |
| 4b | WW Non-Rate Revenues | | 2,353,545 | 2,307,419 | 2,330,753 | 2,357,456 | 2,361,323 | 2,432,163 | 2,505,128 | 2,580,281 | 2,657,690 | 2,737,421 |
| 5 | **Total Revenues** | | **43,179,521** | **47,304,573** | **51,337,387** | **55,196,809** | **58,758,112** | **62,322,712** | **64,969,178** | **67,452,264** | **69,648,317** | **70,885,494** |
| 6 | Operating Expenses | | | | | | | | | | | |
| 7 | Water Treatment Plant (Div 332) | | 5,254,067 | 5,347,922 | 5,481,424 | 5,623,693 | 5,769,188 | 6,794,561 | 7,105,193 | 7,433,017 | 7,777,361 | 8,010,681 |
| 8 | Water Wells (Div 333) | | 1,384,755 | 1,421,056 | 1,459,035 | 1,496,994 | 1,536,171 | 1,629,317 | 1,729,499 | 1,837,307 | 1,952,782 | 2,021,322 |
| 9 | FS - Water Utility Line Maint (Div 431) | | 2,059,566 | 2,106,782 | 2,133,876 | 2,168,550 | 2,190,516 | 2,285,876 | 2,386,196 | 2,491,786 | 2,602,733 | 2,719,118 |
| 10 | Wastewater Treatment Plant (Div. 352) | | 2,827,324 | 2,899,462 | 3,061,119 | 3,054,949 | 3,134,673 | 3,304,236 | 3,485,595 | 3,679,699 | 3,886,786 | 4,056,051 |
| 11 | FS-Wastewater Utility Line Maint (Div 451) | | 1,448,226 | 1,468,599 | 1,489,393 | 1,511,155 | 1,520,944 | 1,583,739 | 1,649,790 | 1,719,309 | 1,792,432 | 1,869,294 |
| 12 | Transfers | | 8,470,107 | 9,335,036 | 9,664,120 | 9,769,554 | 9,885,922 | 10,953,417 | 11,282,019 | 11,620,480 | 11,969,094 | 12,328,167 |
| 13 | Non-Department | | - | - | - | - | - | - | - | - | - | - |
| 14 | Total Operating Expenses | | 21,444,045 | 22,578,857 | 23,288,967 | 23,624,895 | 24,037,412 | 26,551,145 | 27,638,293 | 28,781,598 | 29,981,188 | 31,004,634 |
| 15 | Net Revenues Available for Debt and Capital | | 21,735,476 | 24,725,716 | 28,048,420 | 31,571,914 | 34,720,700 | 35,771,567 | 37,330,885 | 38,670,666 | 39,667,128 | 39,880,860 |
| 16 | Capital Outlays | | 21,540,007 | 23,462,007 | 10,764,007 | 14,364,007 | 15,564,007 | 12,364,007 | 12,564,007 | 13,064,007 | 12,964,007 | 13,164,007 |
| | Debt Coverage | | 1,032,834 | 1,908,262 | 4,019,638 | 4,552,382 | 4,568,849 | 4,567,976 | 4,644,022 | 4,738,896 | 5,252,626 | 4,032,875 |
| 17 | Debt Service -- Current | | 4,131,336 | 6,462,087 | 6,462,275 | 4,607,194 | 4,673,065 | 4,669,572 | 4,667,024 | 4,674,903 | 6,523,371 | 1,603,077 |
| 18 | Debt Service -- Forecast | | - | 1,170,960 | 9,616,278 | 13,602,333 | 13,602,333 | 13,602,333 | 13,909,064 | 14,280,680 | 14,487,134 | 14,528,424 |
| 19 | Sub-Total | | 26,704,177 | 33,003,316 | 30,862,198 | 37,125,917 | 38,408,254 | 35,203,889 | 35,784,117 | 36,758,486 | 39,227,138 | 33,328,383 |
| 20 | **Total Cash-Basis Cost of Service** | | **48,148,222** | **55,582,173** | **54,151,165** | **60,750,812** | **62,445,666** | **61,755,035** | **63,422,410** | **65,540,084** | **69,208,326** | **64,333,017** |
| 21 | **Net Revenues for Contingency and Coverage** | | **(4,968,701)** | **(8,277,600)** | **(2,813,778)** | **(5,554,002)** | **(3,687,555)** | **567,678** | **1,546,768** | **1,912,180** | **439,991** | **6,552,477** |
| 22 | Percent of Revenues | | -11.5% | -17.5% | -5.5% | -10.1% | -6.3% | 0.9% | 2.4% | 2.8% | 0.6% | 9.2% |
| | Debt Coverage ( 11/(13+14) ) | | 5.26 | 3.24 | 1.74 | 1.73 | 1.90 | 1.96 | 2.01 | 2.04 | 1.89 | 2.47 |
| | Less Drawdown of Fund Balance for Rate Stabilization | | 4,968,701 | 8,277,600 | 3,003,353 | 5,554,002 | 3,687,555 | - | - | - | 820,957 | - |
| | Less Set Aside for Repair and Replacement | | - | - | - | - | 1,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 7,000,000 | 7,000,000 |
| | W & WW Repair & Replacement Fund Balance | | - | - | - | - | 1,000,000.00 | 8,000,000.00 | 15,000,000.00 | 22,000,000.00 | 29,000,000.00 | 36,000,000.00 |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

***WATER Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAFR -- RESOURCES AND COSTS** | | | | | | | | | | | |
| ***ESTIMATED RESOURCES*** | | | | | | | | | | | |
| **REVENUES:** | | | | | | | | | | | |
| Water Charges for Service | | $ 23,747,541 | $ 26,098,668 | $ 28,291,569 | $ 30,187,432 | $ 31,705,775 | $ 33,174,151 | $ 34,135,556 | $ 35,287,673 | $ 36,268,924 | $ 36,796,454 |
| Water Development Fees | | 878,918 | 957,829 | 955,652 | 954,546 | 955,652 | 921,464 | 921,464 | 921,464 | 887,388 | 814,524 |
| Water Other Non-Rate Revenues | | 3,496,014 | 3,574,929 | 3,642,988 | 3,702,895 | 3,708,103 | 3,819,346 | 3,933,926 | 4,051,944 | 4,173,503 | 4,298,708 |
| Total Water Revenues | | 28,122,473 | 30,631,426 | 32,890,209 | 34,844,873 | 36,369,530 | 37,914,961 | 38,990,946 | 40,261,081 | 41,329,815 | 41,909,685 |
| **OTHER RESOURCES:** | | | | | | | | | | | |
| Debt/Loan Proceeds | | - | 100,000,000 | - | - | - | - | - | - | 700,000 | 3,200,000 |
| Long-Term Capital Improvement Plan (Debt Funded) | | - | (100,000,000) | - | - | - | - | - | - | (700,000) | (3,200,000) |
| Restricted Prior Year Reserves | | - | - | - | - | - | - | - | - | - | - |
| Debt Coverage | | 1,002,020 | 1,584,723 | 2,604,763 | 2,595,641 | 2,611,981 | 2,611,103 | 2,610,479 | 2,612,393 | 3,074,501 | 1,885,759 |
| Net Revenues for Contingency | | (1,048,945) | (6,438,481) | (3,003,353) | (3,083,176) | (2,526,601) | 356,134 | 713,218 | 915,346 | (820,957) | 5,053,937 |
| Unrestricted Prior Year Reserves | | 26,942,243 | 25,846,373 | 14,554,135 | 11,152,193 | 7,581,482 | 5,140,261 | 8,463,632 | 12,500,546 | 16,943,632 | 18,376,220 |
| ***TOTAL ESTIMATED RESOURCES*** | | **55,017,791** | **51,624,042** | **47,045,755** | **45,509,531** | **44,036,392** | **46,022,459** | **50,778,275** | **56,289,366** | **60,526,991** | **67,225,602** |
| ***ESTIMATED USES*** | | | | | | | | | | | |
| **DIRECT COSTS BY FUNCTION** | | | | | | | | | | | |
| Personal Services | | 3,293,119 | 3,359,988 | 3,422,705 | 3,479,791 | 3,536,928 | 3,692,903 | 3,857,548 | 4,031,440 | 4,215,202 | 4,382,466 |
| Materials and Supplies | | 1,175,839 | 1,206,543 | 1,224,906 | 1,254,239 | 1,277,886 | 1,332,474 | 1,389,178 | 1,448,077 | 1,508,585 | 1,559,834 |
| Other Services and Charges | | 4,229,430 | 4,309,229 | 4,426,724 | 4,555,207 | 4,681,059 | 5,684,377 | 5,974,163 | 6,282,593 | 6,609,089 | 6,808,822 |
| Non-Department | | - | - | - | - | - | - | - | - | - | - |
| Capital Outlays ( Incl Cash funded CIP) | | 10,440,007 | 14,462,007 | 7,864,007 | 9,664,007 | 10,264,007 | 6,764,007 | 6,764,007 | 7,064,007 | 6,764,007 | 6,764,007 |
| Debt Coverage | | 1,002,020 | 1,584,723 | 2,604,763 | 2,595,641 | 2,611,981 | 2,611,103 | 2,610,479 | 2,612,393 | 3,074,501 | 1,885,759 |
| Debt Service | | 4,008,079 | 6,338,892 | 10,419,053 | 10,382,566 | 10,447,926 | 10,444,412 | 10,441,916 | 10,449,573 | 12,298,006 | 7,543,037 |
| ***TOTAL ESTIMATED COSTS*** | | 24,148,494 | 31,261,382 | 29,962,158 | 31,931,451 | 32,819,787 | 30,529,276 | 31,037,291 | 31,888,083 | 34,469,391 | 28,943,926 |
| **TRANSFERS** | | | | | | | | | | | |
| Transfers In | | - | - | - | - | - | - | - | - | - | - |
| Transfers Out | | (5,022,924) | (5,808,524) | (5,931,403) | (5,996,598) | (6,076,344) | (7,029,552) | (7,240,438) | (7,457,651) | (7,681,381) | (7,911,822) |
| ***NET TRANSFERS IN (OUT)*** | | (5,022,924) | (5,808,524) | (5,931,403) | (5,996,598) | (6,076,344) | (7,029,552) | (7,240,438) | (7,457,651) | (7,681,381) | (7,911,822) |
| **Total Cost of Service** | - | 29,171,418 | 37,069,906 | 35,893,561 | 37,928,049 | 38,896,131 | 37,558,827 | 38,277,729 | 39,345,735 | 42,150,772 | 36,855,748 |
| **OTHER USES:** | | | | | | | | | | | |
| Reserve for Emergencies and Shortfalls | | 25,846,373 | 14,554,135 | 11,152,193 | 7,581,482 | 5,140,261 | 8,463,632 | 12,500,546 | 16,943,632 | 18,376,220 | 30,369,854 |
| ***TOTAL OTHER USES*** | | 25,846,373 | 14,554,135 | 11,152,193 | 7,581,482 | 5,140,261 | 8,463,632 | 12,500,546 | 16,943,632 | 18,376,220 | 30,369,854 |
| ***TOTAL ESTIMATED USES*** | | **55,017,791** | **51,624,042** | **47,045,755** | **45,509,531** | **44,036,392** | **46,022,459** | **50,778,275** | **56,289,366** | **60,526,991** | **67,225,602** |
| ***LEVEL OF EMERGENCY RESERVES*** | | | | | | | | | | | |
| Percentage of Total Revenues | | 91.9% | 47.5% | 33.9% | 21.8% | 14.1% | 22.3% | 32.1% | 42.1% | 44.5% | 72.5% |
| Number of Days of Revenue | | 335 | 173 | 124 | 79 | 52 | 81 | 117 | 154 | 162 | 264 |
| One Day of Operating Expense | | 37,593 | 40,231 | 41,112 | 41,879 | 42,664 | 48,601 | 50,579 | 52,657 | 54,834 | 56,611 |
| Fund Balance Days of Operating Expense | | 688 | 362 | 271 | 181 | 120 | 174 | 247 | 322 | 335 | 536 |
| Debt Coverage | | 3.59 | 2.52 | 1.72 | 1.88 | 1.99 | 1.93 | 1.97 | 2.01 | 1.73 | 2.82 |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

***WATER Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Cash Basis -- Cost of Service** | | | | | | | | | | | |
| 1 | Water Rate Revenues | | $ 23,747,541 | $ 26,098,668 | $ 28,291,569 | $ 30,187,432 | $ 31,705,775 | $ 33,174,151 | $ 34,135,556 | $ 35,287,673 | $ 36,268,924 | $ 36,796,454 |
| 2 | Water Non-Rate Revenues | | 4,374,932 | 4,532,758 | 4,598,640 | 4,657,441 | 4,663,755 | 4,740,810 | 4,855,390 | 4,973,408 | 5,060,891 | 5,113,232 |
| 3 | **Total Water Revenues** | | **28,122,473** | **30,631,426** | **32,890,209** | **34,844,873** | **36,369,530** | **37,914,961** | **38,990,946** | **40,261,081** | **41,329,815** | **41,909,685** |
| 4 | Operating Expenses | | | | | | | | | | | |
| 5 | Water Treatment Plant (Div 332) | | 5,254,067 | 5,347,922 | 5,481,424 | 5,623,693 | 5,769,186 | 6,794,561 | 7,105,193 | 7,433,017 | 7,777,361 | 8,010,681 |
| 6 | Water Wells (Div 333) | | 1,384,755 | 1,421,056 | 1,459,035 | 1,496,994 | 1,536,171 | 1,629,317 | 1,729,499 | 1,837,307 | 1,952,782 | 2,021,322 |
| 7 | FS - Water Utility Line Maint (Div 431) | | 2,059,566 | 2,106,782 | 2,133,876 | 2,168,550 | 2,190,516 | 2,285,876 | 2,386,196 | 2,491,786 | 2,602,733 | 2,719,118 |
| 8 | Transfers | | 5,022,924 | 5,808,524 | 5,931,403 | 5,996,598 | 6,076,344 | 7,029,552 | 7,240,438 | 7,457,651 | 7,681,381 | 7,911,822 |
| 9 | Non-Department | | - | - | - | - | - | - | - | - | - | - |
| 10 | Total Operating Expenses | | 13,721,312 | 14,684,284 | 15,005,738 | 15,285,835 | 15,572,217 | 17,739,306 | 18,461,327 | 19,219,761 | 20,014,257 | 20,662,944 |
| 11 | Net Revenues Available for Debt and Capital | | 14,401,161 | 15,947,142 | 17,884,471 | 19,559,038 | 20,797,313 | 20,175,655 | 20,529,620 | 21,041,320 | 21,315,558 | 21,246,741 |
| 12 | Capital Outlays | | 10,440,007 | 14,462,007 | 7,864,007 | 9,664,007 | 10,264,007 | 6,764,007 | 6,764,007 | 7,064,007 | 6,764,007 | 6,764,007 |
| 13 | Debt Coverage | | 1,002,020 | 1,584,723 | 2,604,763 | 2,595,641 | 2,611,981 | 2,611,103 | 2,610,479 | 2,612,393 | 3,074,501 | 1,885,759 |
| 14 | Debt Service -- Current | | 4,008,079 | 6,338,892 | 6,339,053 | 4,483,895 | 4,549,256 | 4,545,741 | 4,543,246 | 4,550,903 | 6,399,336 | 1,603,077 |
| 15 | Debt Service -- Forecast | | - | - | 4,080,000 | 5,898,670 | 5,898,670 | 5,898,670 | 5,898,670 | 5,898,670 | 5,898,670 | 5,939,961 |
| 16 | Sub-Total | | 15,450,106 | 22,385,622 | 20,887,823 | 22,642,214 | 23,323,914 | 19,819,521 | 19,816,402 | 20,125,974 | 22,136,514 | 16,192,804 |
| 17 | **Total Cash-Basis Cost of Service** | | **29,171,418** | **37,069,906** | **35,893,561** | **37,928,049** | **38,896,131** | **37,558,827** | **38,277,729** | **39,345,735** | **42,150,772** | **36,855,748** |
| 18 | **Net Revenues for Contingency and Coverage** | | **(1,048,945)** | **(6,438,481)** | **(3,003,353)** | **(3,083,176)** | **(2,526,601)** | **356,134** | **713,218** | **915,346** | **(820,957)** | **5,053,937** |
| 19 | Percent of Revenues | | -3.7% | -21.0% | -9.1% | -8.8% | -6.9% | 0.9% | 1.8% | 2.3% | -2.0% | 12.1% |
| | Debt Coverage ( 11/(14+15) ) | | 3.59 | 2.52 | 1.72 | 1.88 | 1.99 | 1.93 | 1.97 | 2.01 | 1.73 | 2.82 |
| New | Less Drawdown of Fund Balance (Rate Stabilization) | | 1,048,945 | 6,438,481 | 3,003,353 | 3,083,176 | 2,526,601 | - | - | - | 820,957 | - |
| New | Less Set Aside for Repair and Replacement | | - | - | - | - | 1,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 5,000,000 |
| | **Water Repair and Replacement Fund Balance** | | - | - | - | - | **1,000,000** | **6,000,000** | **11,000,000** | **16,000,000** | **21,000,000** | **26,000,000** |
| 3 | **Water Rates** | | | | | | | | | | | |
| | Base Annual Percent Adjustment | | 6.0% | 5.0% | 5.0% | 4.0% | 3.0% | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% |
| | Volume Annual Percent Adjustment | | 6.0% | 5.0% | 5.0% | 4.0% | 3.0% | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% |
| | **Monthly Service Fees -- Residential** | | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| | 5/8" or 3/4" | $ 6.70 | $ 7.10 | $ 7.46 | $ 7.83 | $ 8.14 | $ 8.39 | $ 8.64 | $ 8.64 | $ 8.90 | $ 8.90 | $ 8.90 |
| | 1" | 11.03 | 12.43 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | 21.63 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | 30.61 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | 61.39 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | 4" | 92.89 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| | **Metered Rate Per 1,000 Gal -- Residential** | | | | | | | | | | | |
| 2 | 2,000 10,000 | $ 5.49 | $ 5.82 | $ 6.11 | $ 6.42 | $ 6.67 | $ 6.87 | $ 7.08 | $ 7.08 | $ 7.29 | $ 7.29 | $ 7.29 |
| 7 | 11,000 20,000 | 5.89 | 6.82 | 7.11 | 7.42 | 7.67 | 7.87 | 8.08 | 8.08 | 8.29 | 8.29 | 8.29 |
| | 21,000 Above | 6.49 | 8.52 | 8.89 | 9.27 | 9.59 | 9.84 | 10.10 | 10.10 | 10.36 | 10.36 | 10.36 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***WATER Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | **Residential Monthly Bill -- 5/8" Meter** | | | | | | | | | | | |
| | 5,000 Gallons | $ 29.46 | $ - | $ 33.90 | $ 35.49 | $ 36.83 | $ 37.88 | $ 38.95 | $ 38.95 | $ 40.06 | $ 40.06 | $ 40.06 |
| | 10,000 Gallons | 58.91 | 34.10 | 69.45 | 72.57 | 75.20 | 77.24 | 79.35 | 79.35 | 81.52 | 81.52 | 81.52 |
| | 20,000 Gallons | 123.81 | 119.34 | 158.33 | 165.27 | 171.10 | 175.65 | 180.34 | 180.34 | 185.16 | 185.16 | 185.16 |
| | 30,000 Gallons | 188.71 | 204.58 | 247.21 | 257.97 | 267.01 | 274.06 | 281.32 | 281.32 | 288.80 | 288.80 | 288.80 |
| 5 | **Total Accounts** | | | | | | | | | | | |
| | Total Accounts | | 29,591 | 30,183 | 30,774 | 31,364 | 31,954 | 32,529 | 33,104 | 33,679 | 34,229 | 34,729 |
| | New Accounts | | | 592 | 591 | 590 | 590 | 575 | 575 | 575 | 550 | 500 |
| | Avg. Annual Growth Rate | | | 2.00% | 1.96% | 1.92% | 1.88% | 1.80% | 1.77% | 1.74% | 1.63% | 1.46% |
| 6 | **Annual Volume** | | | | | | | | | | | |
| | Residential | | 2,871,369,641 | 2,929,769,102 | 2,988,208,564 | 3,046,628,025 | 3,105,047,487 | 3,160,811,518 | 3,216,575,550 | 3,272,339,581 | 3,325,448,182 | 3,373,245,924 |
| | COE Internal | | 42,246,046 | 42,246,046 | 42,246,046 | 42,246,046 | 42,246,046 | 42,246,046 | 42,246,046 | 42,246,046 | 42,246,046 | 42,246,046 |
| | Commercial | | 686,487,575 | 698,670,141 | 710,852,706 | 723,035,272 | 735,217,838 | 750,446,045 | 765,674,252 | 780,902,459 | 796,130,666 | 811,358,873 |
| | Industrial | | 7,646,285 | 7,646,285 | 7,646,285 | 7,646,285 | 7,646,285 | 7,646,285 | 7,646,285 | 7,646,285 | 7,646,285 | 7,646,285 |
| | Public | | 113,940,350 | 113,940,350 | 113,940,350 | 113,940,350 | 113,940,350 | 113,940,350 | 113,940,350 | 113,940,350 | 113,940,350 | 113,940,350 |
| | Wholesale (All Yr.) | | 0 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 |
| | Total System | | 3,721,689,897 | 3,817,941,924 | 3,899,493,951 | 3,970,095,978 | 4,040,698,005 | 4,111,690,244 | 4,182,682,482 | 4,253,674,721 | 4,322,011,529 | 4,385,037,478 |
| 7 | **Wholesale Water Rates (Arcadia)** | | | | | | | | | | | |
| | Annual Percent Adjustment | | 6.0% | 5.0% | 5.0% | 4.0% | 3.0% | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% |
| | Master Meter Charge | | $ 426.12 | $ 596.57 | $ 783.00 | $ 814.32 | $ 838.74 | $ 863.91 | $ 863.91 | $ 889.82 | $ 889.82 | $ 889.82 |
| | Usage Charge Per Thousand Gallons | | 5.96 | 6.26 | 6.58 | 6.84 | 7.04 | 7.26 | 7.26 | 7.47 | 7.47 | 7.47 |
| | Excessive Peaking Surcharge | | 10.66 | 11.20 | 11.76 | 12.23 | 12.59 | 12.97 | 12.97 | 13.36 | 13.36 | 13.36 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***WASTEWATER Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAFR -- RESOURCES AND COSTS** | | | | | | | | | | | |
| ***ESTIMATED RESOURCES*** | | | | | | | | | | | |
| **REVENUES:** | | | | | | | | | | | |
| WW Charges for Service | | $ 12,023,495 | $ 13,620,481 | $ 15,374,009 | $ 17,252,065 | $ 19,284,843 | $ 21,253,361 | $ 22,750,876 | $ 23,888,674 | $ 24,964,151 | $ 25,604,379 |
| WW Development Fees | | 680,008 | 745,247 | 742,416 | 742,416 | 742,416 | 722,228 | 722,228 | 722,228 | 696,661 | 634,009 |
| WW Other Non-Rate Revenues | | 2,353,545 | 2,307,419 | 2,330,753 | 2,357,456 | 2,361,323 | 2,432,163 | 2,505,128 | 2,580,281 | 2,657,690 | 2,737,421 |
| Total WW Revenues | | 15,057,048 | 16,673,147 | 18,447,178 | 20,351,937 | 22,388,582 | 24,407,751 | 25,978,232 | 27,191,183 | 28,318,502 | 28,975,809 |
| **OTHER RESOURCES:** | | | | | | | | | | | |
| Debt/Loan Proceeds | | 28,700,000 | 94,200,000 | 7,700,000 | - | - | 5,200,000 | 6,300,000 | 3,500,000 | - | 1,800,000 |
| Long-Term Capital Improvement Plan | | (28,700,000) | (94,200,000) | (7,700,000) | - | - | (5,200,000) | (6,300,000) | (3,500,000) | - | (1,800,000) |
| Restricted Prior Year Reserves | | - | - | - | - | - | - | - | - | - | - |
| Debt Coverage | | 30,814 | 323,539 | 1,414,875 | 1,956,741 | 1,956,868 | 1,956,874 | 2,033,543 | 2,126,502 | 2,178,125 | 2,147,116 |
| Net Revenues for Contingency and Coverage | | (3,919,756) | (1,839,120) | 189,574 | (2,470,826) | (1,160,953) | 211,544 | 833,550 | 996,834 | 1,260,947 | 1,498,539 |
| Unrestricted Prior Year Reserves | | 15,062,359 | 7,253,661 | 3,898,960 | 5,692,984 | 2,708,072 | 2,343,034 | 4,722,995 | 8,423,639 | 12,543,810 | 17,243,829 |
| ***TOTAL ESTIMATED RESOURCES*** | | **26,230,465** | **22,411,226** | **23,950,587** | **25,530,835** | **25,892,569** | **28,919,203** | **33,568,320** | **38,738,159** | **44,301,383** | **49,865,293** |
| ***ESTIMATED USES*** | | | | | | | | | | | |
| **DIRECT COSTS BY FUNCTION** | | | | | | | | | | | |
| Personal Services | | 1,589,889 | 1,626,856 | 1,662,353 | 1,699,904 | 1,724,811 | 1,798,094 | 1,875,299 | 1,956,680 | 2,042,513 | 2,133,092 |
| Materials and Supplies | | 688,087 | 702,980 | 719,979 | 737,675 | 755,679 | 812,458 | 873,927 | 940,492 | 1,012,142 | 1,087,448 |
| Other Services and Charges | | 1,997,574 | 2,038,225 | 2,168,180 | 2,128,525 | 2,175,127 | 2,277,422 | 2,386,159 | 2,501,836 | 2,624,562 | 2,704,805 |
| Non-Department | | - | - | - | - | - | - | - | - | - | - |
| Debt Coverage | | 30,814 | 323,539 | 1,414,875 | 1,956,741 | 1,956,868 | 1,956,874 | 2,033,543 | 2,126,502 | 2,178,125 | 2,147,116 |
| Capital Outlays ( Incl Cash funded CIP) | | 11,100,000 | 9,000,000 | 2,900,000 | 4,700,000 | 5,300,000 | 5,600,000 | 5,800,000 | 6,000,000 | 6,200,000 | 6,400,000 |
| Debt Service | | 123,257 | 1,294,155 | 5,659,500 | 7,826,962 | 7,827,472 | 7,827,494 | 8,134,172 | 8,506,010 | 8,712,499 | 8,588,464 |
| ***TOTAL ESTIMATED COSTS*** | | 15,529,621 | 14,985,754 | 14,524,887 | 19,049,807 | 19,739,957 | 20,272,342 | 21,103,100 | 22,031,520 | 22,769,841 | 23,060,924 |
| **TRANSFERS** | | | | | | | | | | | |
| Transfers In | | - | - | - | - | - | - | - | - | - | - |
| Transfers Out | | (3,447,183) | (3,526,512) | (3,732,717) | (3,772,956) | (3,809,578) | (3,923,865) | (4,041,581) | (4,162,829) | (4,287,714) | (4,416,345) |
| ***NET TRANSFERS IN (OUT)*** | | (3,447,183) | (3,526,512) | (3,732,717) | (3,772,956) | (3,809,578) | (3,923,865) | (4,041,581) | (4,162,829) | (4,287,714) | (4,416,345) |
| **Total Cost of Service** | | 18,976,804 | 18,512,266 | 18,257,604 | 22,822,763 | 23,549,535 | 24,196,207 | 25,144,681 | 26,194,349 | 27,057,554 | 27,477,269 |
| **OTHER USES:** | | | | | | | | | | | |
| Reserve for Emergencies and Shortfalls | | 7,253,661 | 3,898,960 | 5,692,984 | 2,708,072 | 2,343,034 | 4,722,995 | 8,423,639 | 12,543,810 | 17,243,829 | 22,388,024 |
| ***TOTAL OTHER USES*** | | 7,253,661 | 3,898,960 | 5,692,984 | 2,708,072 | 2,343,034 | 4,722,995 | 8,423,639 | 12,543,810 | 17,243,829 | 22,388,024 |
| ***TOTAL ESTIMATED USES*** | | **26,230,465** | **22,411,226** | **23,950,587** | **25,530,835** | **25,892,569** | **28,919,203** | **33,568,320** | **38,738,159** | **44,301,383** | **49,865,293** |
| ***LEVEL OF EMERGENCY RESERVES*** | | | | | | | | | | | |
| Percentage of Total Revenues | | 48.2% | 23.4% | 30.9% | 13.3% | 10.5% | 19.4% | 32.4% | 46.1% | 60.9% | 77.3% |
| Number of Days of Revenue | | 176 | 85 | 113 | 49 | 38 | 71 | 118 | 168 | 222 | 282 |
| One Day of Operating Expense | | 21,158 | 21,629 | 22,694 | 22,847 | 23,192 | 24,142 | 25,142 | 26,197 | 27,307 | 28,333 |
| Fund Balance Days of Operating Expense | | 343 | 180 | 251 | 119 | 101 | 196 | 335 | 479 | 631 | 790 |
| Debt Coverage | | 59.50 | 6.78 | 1.80 | 1.53 | 1.78 | 1.99 | 2.07 | 2.07 | 2.11 | 2.17 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***WASTEWATER Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Cash Basis -- Cost of Service** | | | | | | | | | | | |
| 1 | WW Rate Revenues | | $ 12,023,495 | $ 13,620,481 | $ 15,374,009 | $ 17,252,065 | $ 19,284,843 | $ 21,253,361 | $ 22,750,876 | $ 23,888,674 | $ 24,964,151 | $ 25,604,379 |
| 2 | WW Non-Rate Revenues | | 3,033,553 | 3,052,666 | 3,073,169 | 3,099,872 | 3,103,739 | 3,154,391 | 3,227,356 | 3,302,509 | 3,354,351 | 3,371,430 |
| 3 | **Total WW Revenues** | | 15,057,048 | 16,673,147 | 18,447,178 | 20,351,937 | 22,388,582 | 24,407,751 | 25,978,232 | 27,191,183 | 28,318,502 | 28,975,809 |
| 4 | Operating Expenses | | | | | | | | | | | |
| 5 | Wastewater Treatment Plant (Div. 352) | | 2,827,324 | 2,899,462 | 3,061,119 | 3,054,949 | 3,134,673 | 3,304,236 | 3,485,595 | 3,679,699 | 3,886,786 | 4,056,051 |
| 6 | FS-Wastewater Utility Line Maint (Div 451) | | 1,448,226 | 1,468,599 | 1,489,393 | 1,511,155 | 1,520,944 | 1,583,739 | 1,649,790 | 1,719,309 | 1,792,432 | 1,869,294 |
| 7 | Transfers | | 3,447,183 | 3,526,512 | 3,732,717 | 3,772,956 | 3,809,578 | 3,923,865 | 4,041,581 | 4,162,829 | 4,287,714 | 4,416,345 |
| 8 | Non-Department | | - | - | - | - | - | - | - | - | - | - |
| 9 | Total Operating Expenses | | 7,722,733 | 7,894,573 | 8,283,229 | 8,339,060 | 8,465,195 | 8,811,840 | 9,176,967 | 9,561,837 | 9,966,931 | 10,341,690 |
| 10 | Net Revenues Available for Debt and Capital | | 7,334,315 | 8,778,574 | 10,163,949 | 12,012,877 | 13,923,387 | 15,595,912 | 16,801,265 | 17,629,346 | 18,351,571 | 18,634,119 |
| 11 | Capital Outlays | | 11,100,000 | 9,000,000 | 2,900,000 | 4,700,000 | 5,300,000 | 5,600,000 | 5,800,000 | 6,000,000 | 6,200,000 | 6,400,000 |
| 12 | Debt Coverage | | 30,814 | 323,539 | 1,414,875 | 1,956,741 | 1,956,868 | 1,956,874 | 2,033,543 | 2,126,502 | 2,178,125 | 2,147,116 |
| 13 | Debt Service -- Current | | 123,257 | 123,195 | 123,221 | 123,299 | 123,809 | 123,831 | 123,778 | 123,999 | 124,035 | - |
| 14 | Debt Service -- Forecast | | - | 1,170,960 | 5,536,278 | 7,703,663 | 7,703,663 | 7,703,663 | 8,010,394 | 8,382,010 | 8,588,464 | 8,588,464 |
| 15 | Sub-Total | | 11,254,071 | 10,617,693 | 9,974,375 | 14,483,703 | 15,084,340 | 15,384,368 | 15,967,715 | 16,632,512 | 17,090,623 | 17,135,580 |
| 16 | **Total Cost of Service** | | **18,976,804** | **18,512,266** | **18,257,604** | **22,822,763** | **23,549,535** | **24,196,207** | **25,144,681** | **26,194,349** | **27,057,554** | **27,477,269** |
| 17 | **Net Revenues for Contingency and Coverage** | | **(3,919,756)** | **(1,839,120)** | **189,574** | **(2,470,826)** | **(1,160,953)** | **211,544** | **833,550** | **996,834** | **1,260,947** | **1,498,539** |
| 18 | Percent of Revenues | | -26.0% | -11.0% | 1.0% | -12.1% | -5.2% | 0.9% | 3.2% | 3.7% | 4.5% | 5.2% |
| 19 | Debt Coverage ( (10/(13+14) ) | | 59.50 | 6.78 | 1.80 | 1.53 | 1.78 | 1.99 | 2.07 | 2.07 | 2.11 | 2.17 |
| New | Less Drawdown of Fund Balance (Rate Stabilization) | | 3,919,756 | 1,839,120 | - | 2,470,826 | 1,160,953 | - | - | - | - | - |
| New | Less Set Aside for Repair and Replacement | | - | - | - | - | - | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 |
| | **WW Repair and Replacement Fund Balance** | | **-** | **-** | **-** | **-** | **-** | **2,000,000** | **4,000,000** | **6,000,000** | **8,000,000** | **10,000,000** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***WASTEWATER Summary***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | **Wastewater Rate Plan** | | | | | | | | | | | |
| | Annual Percent Adjustment | | 11.0% | 11.0% | 11.0% | 10.0% | 10.0% | 7.5% | 4.0% | 3.0% | 3.0% | 0.0% |
| | **Monthly Service Fees -- Residential** | | | | | | | | | | | |
| | Minimum Charge | $ 11.50 | $ 12.77 | $ 14.17 | $ 15.73 | $ 17.30 | $ 19.03 | $ 20.46 | $ 21.28 | $ 21.91 | $ 22.57 | $ 22.57 |
| | Usage Chg/1,000 Gallon | 2.76 | 3.06 | 3.40 | 3.77 | 4.15 | 4.57 | 4.91 | 5.11 | 5.26 | 5.42 | 5.42 |
| | | | | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| 4 | **Residential Monthly Bill -- 5/8" Meter** | | | | | | | | | | | |
| | 5,000 Gallons | $ 25.30 | $ 28.08 | $ 31.17 | $ 34.60 | $ 38.06 | $ 41.87 | $ 45.01 | $ 46.81 | $ 48.21 | $ 49.66 | $ 49.66 |
| | 10,000 Gallons | 39.10 | 43.40 | 48.18 | 53.47 | 58.82 | 64.70 | 69.56 | 72.34 | 74.51 | 76.74 | 76.74 |
| 5 | **Total Accounts** | | | | | | | | | | | |
| | Total Accounts | | 30,632 | 31,164 | 31,695 | 32,226 | 32,757 | 33,275 | 33,792 | 34,310 | 34,805 | 35,255 |
| | New Accounts | | | 532 | 531 | 531 | 531 | 518 | 518 | 518 | 495 | 450 |
| | Avg. Annual Growth Rate | | | 1.74% | 1.70% | 1.68% | 1.65% | 1.58% | 1.56% | 1.53% | 1.44% | 1.29% |
| 6 | **Annual WW Billing Units** | | | | | | | | | | | |
| | Residential | | 2,041,656,490 | 2,077,294,404 | 2,112,932,318 | 2,148,570,232 | 2,184,208,146 | 2,218,226,155 | 2,252,244,164 | 2,286,262,172 | 2,318,660,276 | 2,347,818,569 |
| | COE Internal | | 8,825,600 | 8,825,600 | 8,825,600 | 8,825,600 | 8,825,600 | 8,825,600 | 8,825,600 | 8,825,600 | 8,825,600 | 8,825,600 |
| | Commercial | | 469,662,005 | 477,611,150 | 485,560,296 | 493,509,441 | 501,458,586 | 511,395,018 | 521,331,450 | 531,267,882 | 541,204,313 | 551,140,745 |
| | Industrial | | 9,714,000 | 9,714,000 | 9,714,000 | 9,714,000 | 9,714,000 | 9,714,000 | 9,714,000 | 9,714,000 | 9,714,000 | 9,714,000 |
| | Public | | 9,714,000 | 32,204,000 | 32,204,000 | 32,204,000 | 32,204,000 | 32,204,000 | 32,204,000 | 32,204,000 | 32,204,000 | 32,204,000 |
| | Wholesale | | - | 8,640,000 | 8,640,000 | 8,640,000 | 8,640,000 | 8,640,000 | 8,640,000 | 8,640,000 | 8,640,000 | 8,640,000 |
| | Total System | | 2,562,062,095 | 2,614,289,155 | 2,657,876,214 | 2,701,463,273 | 2,745,050,332 | 2,789,004,773 | 2,832,959,213 | 2,876,913,654 | 2,919,248,189 | 2,958,342,914 |
| 7 | **Wholesale Wastewater Rates** | | | | | | | | | | | |
| | 6" Meter Charge | $ 185.97 | $ 426.12 | $ 596.57 | $ 783.00 | $ 814.32 | $ 838.74 | $ 863.91 | $ 863.91 | $ 889.82 | $ 889.82 | $ 889.82 |
| | Usage Char Per Thousand Gallons | 3.86 | 4.29 | 4.76 | 5.28 | 5.81 | 6.39 | 6.87 | 7.15 | 7.36 | 7.58 | 7.58 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Rate Calculator***

***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Note: 8" Meters not incl in rev calc or vol % as there are no 8" customers at this time.

The rate table uses displacement meter base charges for all 5/8" to 2" meters and turbine meter charges for 3",4" and 6" meters

| | | | Prior | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Water and Wastewater Rates** | | | | | | | | | | | | | | |
| Date Rate In effect (July = 1) | | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **Water Rates** | | | | | | | | | | | | | | |
| Volume Elasticity Adjustment | | | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Base Charge Annual Adjustment: | | | | | 6.0% | 5.0% | 5.0% | 4.0% | 3.0% | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% |
| Volumetric Charge Annual Adjustment: | | | | | 6.0% | 5.0% | 5.0% | 4.0% | 3.0% | 3.0% | 0.0% | 3.0% | 0.0% | 0.0% |
| **Residential** | | | Assume all Displacement Meters | | | | | | | | | | | |
| Min Chg | 5/8" or 3/4" | | $ 6.38 | $ 6.70 | $ 7.10 | $ 7.46 | $ 7.83 | $ 8.14 | $ 8.39 | $ 8.64 | $ 8.64 | $ 8.90 | $ 8.90 | $ 8.90 |
| | 1" | | 10.51 | 11.03 | 12.43 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | | 20.60 | 21.63 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | | 29.15 | 30.61 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | | 58.47 | 61.39 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | 4" | | 88.47 | 92.89 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| Usage Charge | 2,000 | 10,000 | 5.23 | 5.49 | 5.82 | 6.11 | 6.42 | 6.67 | 6.87 | 7.08 | 7.08 | 7.29 | 7.29 | 7.29 |
| | 11,000 | 20,000 | 5.63 | 5.89 | 6.82 | 7.11 | 7.42 | 7.67 | 7.87 | 8.08 | 8.08 | 8.29 | 8.29 | 8.29 |
| | 21,000 | Above | 6.23 | 6.49 | 8.52 | 8.89 | 9.27 | 9.59 | 9.84 | 10.10 | 10.10 | 10.36 | 10.36 | 10.36 |
| **COE Internal** | | | | | | | | | | | | | | |
| Minimum Charge | 5/8" or 3/4" | | $ 6.38 | $ 6.70 | 7.10 | 7.46 | 7.83 | 8.14 | 8.39 | 8.64 | 8.64 | 8.90 | 8.90 | 8.90 |
| | 1" | 2.50 | 10.51 | 11.03 | 12.43 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | 5.00 | 20.60 | 21.63 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | 10 | 29.15 | 30.61 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | 22.5 | 58.47 | 61.39 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | 4" | 50 | 88.47 | 92.89 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| | 6" | 100 | 177.11 | 185.97 | 426.12 | 596.57 | 783.00 | 814.32 | 838.74 | 863.91 | 863.91 | 889.82 | 889.82 | 889.82 |
| Usage Charge | 2,000 | 3,000 | 5.23 | 5.49 | 5.82 | 6.11 | 6.42 | 6.67 | 6.87 | 7.08 | 7.08 | 7.29 | 7.29 | 7.29 |
| | 4,000 | 10,000 | 5.63 | 5.89 | 6.22 | 6.51 | 6.82 | 7.07 | 7.27 | 7.48 | 7.48 | 7.69 | 7.69 | 7.69 |
| | 11,000 | Above | 6.23 | 6.49 | 6.82 | 7.11 | 7.42 | 7.67 | 7.87 | 8.08 | 8.08 | 8.29 | 8.29 | 8.29 |
| **Commercial** | | | | | | | | | | | | | | |
| Min Chg | 5/8" or 3/4" | | $ 6.38 | $ 6.70 | $ 7.10 | $ 7.46 | $ 7.83 | $ 8.14 | $ 8.39 | $ 8.64 | $ 8.64 | $ 8.90 | $ 8.90 | $ 8.90 |
| | 1" | | 10.51 | 11.03 | 12.43 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | | 20.60 | 21.63 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | | 29.15 | 30.61 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | | 58.47 | 61.39 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | 4" | | 88.47 | 92.89 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| | 6" | | 177.11 | 185.97 | 426.12 | 596.57 | 783.00 | 814.32 | 838.74 | 863.91 | 863.91 | 889.82 | 889.82 | 889.82 |
| Usage Charge | 2,000 | 3,000 | 5.23 | 5.49 | 5.82 | 6.11 | 6.42 | 6.67 | 6.87 | 7.08 | 7.08 | 7.29 | 7.29 | 7.29 |
| | 4,000 | 10,000 | 5.63 | 5.89 | 6.22 | 6.51 | 6.82 | 7.07 | 7.27 | 7.48 | 7.48 | 7.69 | 7.69 | 7.69 |
| | 11,000 | Above | 6.23 | 6.49 | 6.82 | 7.11 | 7.42 | 7.67 | 7.87 | 8.08 | 8.08 | 8.29 | 8.29 | 8.29 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Rate Calculator***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Note: 8" Meters not incl in rev calc or vol % as there are no 8" customers at this time.
The rate table uses displacement meter base charges for all 5/8" to 2" meters and turbine meter charges for 3",4" and 6" meters

| | | Prior | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wastewater Rates** | | | | | | | | | | | | | |
| Base Charge Annual Adjustment: | | | | 11.0% | 11.0% | 11.0% | 10.0% | 10.0% | 7.5% | 4.0% | 3.0% | 3.0% | 0.0% |
| Volumetric Charge Annual Adjustment: | | | | 11.0% | 11.0% | 11.0% | 10.0% | 10.0% | 7.5% | 4.0% | 3.0% | 3.0% | 0.0% |
| **Residential** | | | | | | | | | | | | | |
| Minimum Charge | | $ 6.25 | $ 11.50 | $ 12.77 | $ 14.17 | $ 15.73 | $ 17.30 | $ 19.03 | $ 20.46 | $ 21.28 | $ 21.91 | $ 22.57 | $ 22.57 |
| Usage Charge | | 1.50 | 2.76 | 3.06 | 3.40 | 3.77 | 4.15 | 4.57 | 4.91 | 5.11 | 5.26 | 5.42 | 5.42 |
| **COE Internal** | | | | | | | | | | | | | |
| Minimum Charge | 5/8" or 3/4" | $ 6.25 | $ 11.50 | 12.77 | 14.17 | 15.73 | 17.30 | 19.03 | 20.46 | 21.28 | 21.91 | 22.57 | 22.57 |
| | 1" | | 11.50 | 12.77 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | | 11.50 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | | 11.50 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | | 11.50 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | 4" | | 11.50 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| | 6" | | 11.50 | 426.12 | 596.57 | 783.00 | 814.32 | 838.74 | 863.91 | 863.91 | 889.82 | 889.82 | 889.82 |
| Usage Charge | | 1.50 | 2.76 | 3.06 | 3.40 | 3.77 | 4.15 | 4.57 | 4.91 | 5.11 | 5.26 | 5.42 | 5.42 |
| **Commercial** | | | | | | | | | | | | | |
| Minimum Charge | 5/8" or 3/4" | $ 6.25 | $ 11.50 | 12.77 | 14.17 | 15.73 | 17.30 | 19.03 | 20.46 | 21.28 | 21.91 | 22.57 | 22.57 |
| | 1" | | 11.50 | 12.77 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | | 11.50 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | | 11.50 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | | 11.50 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | 4" | | 11.50 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| | 6" | | 11.50 | 426.12 | 596.57 | 783.00 | 814.32 | 838.74 | 863.91 | 863.91 | 889.82 | 889.82 | 889.82 |
| Usage Charge | | 1.50 | 2.76 | 3.06 | 3.40 | 3.77 | 4.15 | 4.57 | 4.91 | 5.11 | 5.26 | 5.42 | 5.42 |
| **Industrial** | | | | | | | | | | | | | |
| Minimum Charge | 5/8" or 3/4" | $ 6.25 | $ 11.50 | 12.77 | 14.17 | 15.73 | 17.30 | 19.03 | 20.46 | 21.28 | 21.91 | 22.57 | 22.57 |
| | 1" | | 11.50 | 12.77 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | 1 1/2" | | 11.50 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | 2" | | 11.50 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | 3" | | 11.50 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | 4" | | 11.50 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| | 6" | | 11.50 | 426.12 | 596.57 | 783.00 | 814.32 | 838.74 | 863.91 | 863.91 | 889.82 | 889.82 | 889.82 |
| Usage Charge | | 1.50 | 2.76 | 3.06 | 3.40 | 3.77 | 4.15 | 4.57 | 4.91 | 5.11 | 5.26 | 5.42 | 5.42 |
| **Public** | | | | | | | | | | | | | |
| Minimum Charge | | $ 6.25 | $ 11.50 | 12.77 | 14.17 | 15.73 | 17.30 | 19.03 | 20.46 | 21.28 | 21.91 | 22.57 | 22.57 |
| | | | 11.50 | 12.77 | 14.91 | 19.57 | 20.36 | 20.97 | 21.60 | 21.60 | 22.25 | 22.25 | 22.25 |
| | | | 11.50 | 24.86 | 29.83 | 39.15 | 40.72 | 41.94 | 43.20 | 43.20 | 44.49 | 44.49 | 44.49 |
| | | | 11.50 | 42.61 | 59.66 | 78.30 | 81.43 | 83.87 | 86.39 | 86.39 | 88.98 | 88.98 | 88.98 |
| | | | 11.50 | 87.89 | 134.23 | 176.17 | 183.22 | 188.72 | 194.38 | 194.38 | 200.21 | 200.21 | 200.21 |
| | | | 11.50 | 195.31 | 298.28 | 391.50 | 407.16 | 419.37 | 431.95 | 431.95 | 444.91 | 444.91 | 444.91 |
| | | | 11.50 | 426.12 | 596.57 | 783.00 | 814.32 | 838.74 | 863.91 | 863.91 | 889.82 | 889.82 | 889.82 |
| Usage Charge | | 1.50 | 2.76 | 3.06 | 3.40 | 3.77 | 4.15 | 4.57 | 4.91 | 5.11 | 5.26 | 5.42 | 5.42 |
| **Wholesale** | | | | | | | | | | | | | |
| 6" Meter Charge | 6" | $ 126.93 | $ 185.97 | $ 426.12 | $ 596.57 | $ 783.00 | $ 814.32 | $ 838.74 | $ 863.91 | $ 863.91 | $ 889.82 | $ 889.82 | $ 889.82 |
| Usage Charge Per Thousand Gallons | | 1.50 | 3.86 | 4.29 | 4.76 | 5.28 | 5.81 | 6.39 | 6.87 | 7.15 | 7.36 | 7.58 | 7.58 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Rate Calculator***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Note: 8" Meters not incl in rev calc or vol % as there are no 8" customers at this time.
The rate table uses displacement meter base charges for all 5/8" to 2" meters and turbine meter charges for 3",4" and 6" meters

| | Prior | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Rate Revenue | | | | | | | | | | | | |
| Residential | | | 17,831,729 | 19,502,416 | 21,077,674 | 22,523,625 | 23,705,713 | 24,826,764 | 25,563,215 | 26,444,214 | 27,191,198 | 27,582,026 |
| COE Internal | | | 309,923 | 340,619 | 372,662 | 394,695 | 406,949 | 418,107 | 422,813 | 429,599 | 434,446 | 434,446 |
| Commercial | | | 4,751,739 | 5,131,211 | 5,548,563 | 5,910,284 | 6,191,774 | 6,489,076 | 6,693,506 | 6,933,626 | 7,146,752 | 7,283,454 |
| Industrial | | | 52,035 | 55,286 | 58,808 | 61,612 | 63,500 | 65,219 | 65,944 | 66,990 | 67,736 | 67,736 |
| Public | | | 802,115 | 863,086 | 927,722 | 975,427 | 1,005,265 | 1,032,433 | 1,043,892 | 1,060,416 | 1,072,219 | 1,072,219 |
| Wholesale (All Yr.) | | | 0 | 85,498 | 91,615 | 96,429 | 99,714 | 102,706 | 103,967 | 105,787 | 107,086 | 107,086 |
| Wholesale (w/Peaking) | | | 0 | 80,249 | 172,207 | 181,350 | 187,529 | 193,154 | 195,527 | 198,949 | 201,393 | 201,393 |
| Wholesale (Peaking Only) | | | 0 | 40,303 | 42,318 | 44,011 | 45,331 | 46,691 | 46,691 | 48,092 | 48,092 | 48,092 |
| Total | | | 23,747,541 | 26,098,668 | 28,291,569 | 30,187,432 | 31,705,775 | 33,174,151 | 34,135,556 | 35,287,673 | 36,268,924 | 36,796,454 |
| **Revenues in Alt 3 w/ Mtr Equ** | | | 23,850,367 | 25,282,322 | 27,117,016 | 28,697,582 | 30,003,037 | 30,888,770 | 31,419,305 | 32,469,145 | 33,364,522 | 33,849,689 |
| **Less Rev Realized:** | | | | | | | | | | | | |
| **(same rate plan but no mtr equ.)** | | | (102,826) | 816,346 | 1,174,553 | 1,489,850 | 1,702,738 | 2,285,381 | 2,716,251 | 2,818,528 | 2,904,403 | 2,946,765 |
| Less Revenues to be Raised from Rates: | | | | | | | | | | | | |
| Residential | | | $ 18,094,165 | $ 23,610,706 | $ 22,687,025 | $ 24,158,484 | $ 24,895,787 | $ 23,877,036 | $ 24,326,410 | $ 25,027,497 | $ 27,010,486 | $ 23,110,042 |
| COE Internal | | | 423,260 | 541,208 | 509,931 | 532,642 | 538,618 | 507,473 | 508,069 | 513,812 | 545,668 | 460,245 |
| Commercial | | | 5,427,199 | 7,063,042 | 6,770,503 | 7,192,976 | 7,395,982 | 7,112,600 | 7,265,411 | 7,493,631 | 8,113,422 | 6,974,250 |
| Industrial | | | 36,160 | 46,245 | 43,561 | 45,495 | 45,999 | 43,338 | 43,388 | 43,877 | 46,598 | 39,304 |
| Public | | | 815,702 | 1,043,065 | 982,696 | 1,026,410 | 1,037,877 | 977,854 | 978,995 | 990,055 | 1,051,438 | 886,851 |
| Wholesale (All Yr.) | | Cash Basis | 0 | 93,023 | 87,631 | 91,525 | 92,544 | 87,191 | 87,292 | 88,278 | 93,751 | 79,077 |
| Wholesale (w/Peaking) | | Cash Basis | 0 | 86,830 | 163,601 | 170,875 | 172,779 | 162,786 | 162,976 | 164,816 | 175,035 | 147,637 |
| Wholesale (Peaking Only) | | Cash Basis | 0 | 53,030 | 49,971 | 52,201 | 52,791 | 49,739 | 49,798 | 50,361 | 53,484 | 45,110 |
| Total | | | $ 24,796,486 | $ 32,537,148 | $ 31,294,921 | $ 33,270,608 | $ 34,232,376 | $ 32,818,017 | $ 33,422,338 | $ 34,372,327 | $ 37,089,881 | $ 31,742,516 |
| **Rate Revenue less Revenue Rqmt** | | | | | | | | | | | | |
| Residential | | | $ (262,436) | $ (4,108,289) | $ (1,609,351) | $ (1,634,859) | $ (1,190,074) | $ 949,728 | $ 1,236,804 | $ 1,416,717 | $ 180,712 | $ 4,471,984 |
| COE Internal | | | (113,337) | (200,589) | (137,270) | (137,947) | (131,669) | (89,366) | (85,256) | (84,213) | (111,222) | (25,799) |
| Commercial | | | (675,459) | (1,931,831) | (1,221,940) | (1,282,692) | (1,204,209) | (623,524) | (571,905) | (560,005) | (966,669) | 309,203 |
| Industrial | | | 15,875 | 9,041 | 15,246 | 16,117 | 17,501 | 21,881 | 22,556 | 23,112 | 21,139 | 28,432 |
| Public | | | (13,587) | (179,979) | (54,974) | (50,984) | (32,611) | 54,579 | 64,897 | 70,362 | 20,781 | 185,368 |
| Wholesale (All Yr.) | | | 0 | (7,525) | 3,983 | 4,903 | 7,171 | 15,515 | 16,675 | 17,509 | 13,335 | 28,010 |
| Wholesale (w/Peaking) | | | 0 | (6,581) | 8,606 | 10,475 | 14,749 | 30,368 | 32,551 | 34,133 | 26,358 | 53,756 |
| Wholesale (Peaking Only) | | | (0) | (12,727) | (7,653) | (8,190) | (7,459) | (3,047) | (3,106) | (2,269) | (5,391) | 2,982 |
| **Rate Revenue less Revenue Rqmt** | | | **(1,048,945)** | **(6,438,481)** | **(3,003,353)** | **(3,083,176)** | **(2,526,601)** | **356,134** | **713,218** | **915,346** | **(820,957)** | **5,053,937** |
| WW Rate Revenue | | | | | | | | | | | | |
| Residential | 111.13% | 9,143,256 | $ 10,161,063 | $ 11,475,656 | $ 12,956,510 | $ 14,544,132 | $ 16,263,910 | $ 17,918,574 | $ 19,175,301 | $ 20,128,128 | $ 21,025,760 | $ 21,551,720 |
| COE Internal | 97.03% | 33,979 | 32,971 | 36,597 | 40,623 | 44,845 | 49,329 | 53,514 | 56,403 | 58,324 | 60,074 | 60,812 |
| Commercial | 114.65% | 1,475,638 | 1,691,805 | 1,909,687 | 2,155,033 | 2,417,921 | 2,702,554 | 2,989,940 | 3,212,543 | 3,385,317 | 3,552,092 | 3,661,746 |
| Industrial | 222.74% | 13,798 | 30,734 | 34,115 | 37,867 | 41,802 | 45,982 | 49,884 | 52,576 | 54,367 | 55,998 | 56,686 |
| Public | 54.98% | 194,492 | 106,922 | 118,684 | 131,739 | 145,429 | 159,971 | 173,544 | 182,910 | 189,142 | 194,817 | 197,210 |
| Wholesale | | - | - | 45,742 | 52,237 | 57,937 | 63,097 | 67,905 | 71,143 | 73,395 | 75,410 | 76,205 |
| Sub-Total | 110.70% | $ 10,861,163 | 12,023,495 | 13,620,481 | 15,374,009 | 17,252,065 | 19,284,843 | 21,253,361 | 22,750,876 | 23,888,674 | 24,964,151 | 25,604,379 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Rate Calculator***

***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Note: 8" Meters not incl in rev calc or vol % as there are no 8" customers at this time.

The rate table uses displacement meter base charges for all 5/8" to 2" meters and turbine meter charges for 3",4" and 6" meters

| Net Annual Volume after Minimum: | | | 3 Year Avg | Used In Model | Prior | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Residential** | 2,000 | 10,000 | 0.00% | 66.80% | 1,701,279,054 | 1,735,892,433 | 1,770,505,812 | 1,805,119,192 | 1,839,732,571 | 1,872,772,615 | 1,905,812,658 | 1,938,852,702 | 1,970,319,411 | 1,998,639,448 | | |
| | 10,000 | 20,000 | 0.00% | 29.88% | 761,125,128 | 776,610,602 | 792,096,076 | 807,581,550 | 823,067,024 | 837,848,613 | 852,630,202 | 867,411,791 | 881,489,495 | 894,159,428 | | |
| | 20,000 | Above | 0.00% | 3.32% | 84,569,459 | 86,290,067 | 88,010,675 | 89,731,283 | 91,451,892 | 93,094,290 | 94,736,689 | 96,379,088 | 97,943,277 | 99,351,048 | | |
| | | | 0.0% | 100.0% | 2,546,973,641 | 2,598,793,102 | 2,650,612,564 | 2,702,432,025 | 2,754,251,487 | 2,803,715,518 | 2,853,179,550 | 2,902,643,581 | 2,949,752,182 | 2,992,149,924 | | |
| **COE Internal** | 2,000 | 3,000 | 0.00% | 5.00% | 2,036,702 | 2,036,702 | 2,036,702 | 2,036,702 | 2,036,702 | 2,036,702 | 2,036,702 | 2,036,702 | 2,036,702 | 2,036,702 | | |
| | 4,000 | 10,000 | 0.00% | 15.00% | 6,110,107 | 6,110,107 | 6,110,107 | 6,110,107 | 6,110,107 | 6,110,107 | 6,110,107 | 6,110,107 | 6,110,107 | 6,110,107 | | |
| | 11,000 | Above | 0.00% | 80.00% | 32,587,237 | 32,587,237 | 32,587,237 | 32,587,237 | 32,587,237 | 32,587,237 | 32,587,237 | 32,587,237 | 32,587,237 | 32,587,237 | | |
| | | | 0.0% | 100.0% | 40,734,046 | 40,734,046 | 40,734,046 | 40,734,046 | 40,734,046 | 40,734,046 | 40,734,046 | 40,734,046 | 40,734,046 | 40,734,046 | | |
| **Commercial** | 2,000 | 3,000 | 0.00% | 2.00% | 13,188,792 | 13,422,843 | 13,656,894 | 13,890,945 | 14,124,997 | 14,417,561 | 14,710,125 | 15,002,689 | 15,295,253 | 15,587,817 | | |
| | 4,000 | 10,000 | 0.00% | 5.00% | 32,971,979 | 33,557,107 | 34,142,235 | 34,727,364 | 35,312,492 | 36,043,902 | 36,775,313 | 37,506,723 | 38,238,133 | 38,969,544 | | |
| | 11,000 | Above | 0.00% | 93.00% | 613,278,805 | 624,162,191 | 635,045,577 | 645,928,963 | 656,812,349 | 670,416,582 | 684,020,814 | 697,625,047 | 711,229,279 | 724,833,512 | | |
| | | | 0.0% | 100.0% | 659,439,575 | 671,142,141 | 682,844,706 | 694,547,272 | 706,249,838 | 720,878,045 | 735,506,252 | 750,134,459 | 764,762,666 | 779,390,873 | | |
| **Industrial** | 2,000 | 3,000 | 0.00% | 8.00% | 597,303 | 597,303 | 597,303 | 597,303 | 597,303 | 597,303 | 597,303 | 597,303 | 597,303 | 597,303 | | |
| | 4,000 | 10,000 | 0.00% | 15.00% | 1,119,943 | 1,119,943 | 1,119,943 | 1,119,943 | 1,119,943 | 1,119,943 | 1,119,943 | 1,119,943 | 1,119,943 | 1,119,943 | | |
| | 11,000 | Above | 0.00% | 77.00% | 5,749,039 | 5,749,039 | 5,749,039 | 5,749,039 | 5,749,039 | 5,749,039 | 5,749,039 | 5,749,039 | 5,749,039 | 5,749,039 | | |
| | | | 0.0% | 100.0% | 7,466,285 | 7,466,285 | 7,466,285 | 7,466,285 | 7,466,285 | 7,466,285 | 7,466,285 | 7,466,285 | 7,466,285 | 7,466,285 | | |
| **Public** | 2,000 | 3,000 | 0.00% | 5.00% | 5,599,218 | 5,599,218 | 5,599,218 | 5,599,218 | 5,599,218 | 5,599,218 | 5,599,218 | 5,599,218 | 5,599,218 | 5,599,218 | | |
| | 4,000 | 10,000 | 0.00% | 10.00% | 11,198,435 | 11,198,435 | 11,198,435 | 11,198,435 | 11,198,435 | 11,198,435 | 11,198,435 | 11,198,435 | 11,198,435 | 11,198,435 | | |
| | 11,000 | Above | 0.00% | 85.00% | 95,186,698 | 95,186,698 | 95,186,698 | 95,186,698 | 95,186,698 | 95,186,698 | 95,186,698 | 95,186,698 | 95,186,698 | 95,186,698 | | |
| | | | 0.0% | 100.0% | 111,984,350 | 111,984,350 | 111,984,350 | 111,984,350 | 111,984,350 | 111,984,350 | 111,984,350 | 111,984,350 | 111,984,350 | 111,984,350 | | |
| **Wholesale (All Yr.)** | - | Above | 0.00% | 100.00% | 0 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | | |
| | | | 0.0% | 100.0% | 0 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | 12,900,000 | | |
| **Wholesale (w/Peaki** | - | Above | 0.00% | 100.00% | 0 | 10,950,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | | |
| | | | 0.0% | 100.0% | 0 | 10,950,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | 21,900,000 | | |
| **Wholesale (Peaking** | - | Above | 0.00% | 100.00% | 0 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | | |
| | | | 0.0% | 100.0% | 0 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | | |
| **Total Water** | | | | | 3,366,597,897 | 3,455,769,924 | 3,530,241,951 | 3,593,763,978 | 3,657,286,005 | 3,721,378,244 | 3,785,470,482 | 3,849,562,721 | 3,911,299,529 | 3,968,325,478 | | |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Rate Calculator***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Note: 8" Meters not incl in rev calc or vol % as there are no 8" customers at this time.
The rate table uses displacement meter base charges for all 5/8" to 2" meters and turbine meter charges for 3",4" and 6" meters

| | Prior | Current | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | | 100.000% | - | - | - | - | - | - | - | - | - | - |
| **Customer Class Units -- Total Bills** | | | | | | | | | | | | |
| 5/8" or 3/4" | 22,064.17 | 74.564% | 264,770 | 270,108 | 275,446 | 280,785 | 286,123 | 291,286 | 296,449 | 301,612 | 306,543 | 311,009 |
| 1" | 6,823.15 | 23.058% | 81,878 | 83,508 | 85,138 | 86,768 | 88,398 | 90,000 | 91,602 | 93,204 | 94,739 | 96,139 |
| 1 1/2" | 313.98 | 1.061% | 3,768 | 3,828 | 3,887 | 3,947 | 4,007 | 4,078 | 4,149 | 4,219 | 4,290 | 4,359 |
| 2" | 328.88 | 1.111% | 3,947 | 3,991 | 4,036 | 4,081 | 4,126 | 4,181 | 4,236 | 4,291 | 4,346 | 4,401 |
| 3" | 33.22 | 0.112% | 399 | 404 | 408 | 413 | 418 | 425 | 431 | 437 | 443 | 449 |
| 4" | 5.15 | 0.017% | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 6" | 7.18 | 0.024% | 86 | 111 | 124 | 124 | 125 | 126 | 127 | 127 | 128 | 129 |
| **Total Water** | | 99.948% | 355,092 | 362,196 | 369,288 | 376,368 | 383,448 | 390,348 | 397,248 | 404,148 | 410,748 | 416,748 |
| **Total Water** | | | 355,092 | 362,196 | 369,288 | 376,368 | 383,448 | 390,348 | 397,248 | 404,148 | 410,748 | 416,748 |
| **WASTEWATER -- Customer and Usage Data** | | | | | | | | | | | | |
| **Total Wastewater** | | | 2,562,062,095 | 2,614,289,155 | 2,657,876,214 | 2,701,463,273 | 2,745,050,332 | 2,789,004,773 | 2,832,959,213 | 2,876,913,654 | 2,919,248,189 | 2,958,342,914 |
| **Customer Class Units -- Total Bills** | FY 2016 | | | | | | | | | | | |
| Residential | 28,358 | | 340,296 | 346,236 | 352,176 | 358,116 | 364,056 | 369,726 | 375,396 | 381,066 | 386,466 | 391,326 |
| COE Internal | 48 | | 576 | 576 | 576 | 576 | 576 | 576 | 576 | 576 | 576 | 576 |
| Commercial | 2,127 | | 25,524 | 25,956 | 26,388 | 26,820 | 27,252 | 27,792 | 28,332 | 28,872 | 29,412 | 29,952 |
| Industrial | 15 | | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Public | 84 | | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 |
| Wholesale | | | - | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 0 | | | | | | | | | | | | |
| **Total Wastewater** | | | 367,584 | 373,968 | 380,340 | 386,712 | 393,084 | 399,294 | 405,504 | 411,714 | 417,654 | 423,054 |



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Test Year
2016

**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Volume and Customer Data***

***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Acadia 1 (assumed 100 HH initially; 200 at buildout)

| WATER Volume and Customer Data | | Residential | COE Internal | Commercial | Industrial | Public | Wholesale (All Yr.) | Wholesale (w/Peaking) | Wholesale (Peaking Only) | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Last 12 Months Actual Water Consumption | | | | | | | Est. Projections | | | |
| Dec-13 | | 159,410,000 | 1,921,000 | 42,644,000 | 594,000 | 6,938,000 | 900,000 | 600,000 | - | 212,407,000 |
| Jan-14 | | 154,238,000 | 1,367,000 | 44,899,000 | 481,000 | 5,657,000 | 900,000 | 600,000 | - | 207,542,000 |
| Feb-14 | | 161,402,000 | 1,512,000 | 44,956,000 | 476,000 | 8,184,000 | 900,000 | 600,000 | - | 217,430,000 |
| Mar-14 | | 147,715,000 | 1,116,000 | 42,589,000 | 362,000 | 6,985,000 | 900,000 | 800,000 | - | 199,667,000 |
| Apr-14 | | 184,994,000 | 1,356,000 | 56,923,000 | 412,000 | 8,667,000 | 900,000 | 800,000 | - | 253,252,000 |
| May-14 | | 256,922,000 | 4,253,000 | 59,473,000 | 573,000 | 12,701,000 | 1,200,000 | 900,000 | - | 335,122,000 |
| Jun-14 | | 268,930,000 | 4,253,000 | 62,273,000 | 515,000 | 9,497,000 | 1,200,000 | 1,200,000 | - | 346,668,000 |
| Jul-14 | | 259,659,000 | 3,427,000 | 55,232,000 | 564,000 | 8,618,000 | 1,500,000 | 1,300,000 | 600,000 | 329,000,000 |
| Aug-14 | | 304,088,000 | 5,092,000 | 56,807,000 | 621,000 | 10,664,000 | 1,500,000 | 1,300,000 | 600,000 | 378,772,000 |
| Sep-14 | | 337,053,000 | 6,753,000 | 94,868,000 | 665,000 | 15,532,000 | 1,200,000 | 1,350,000 | 600,000 | 456,071,000 |
| Oct-14 | | 272,814,000 | 5,065,000 | 40,653,000 | 523,000 | 12,841,000 | 900,000 | 900,000 | - | 332,796,000 |
| Nov-14 | | 221,663,000 | 3,473,000 | 56,598,000 | 564,000 | 8,694,000 | 900,000 | 600,000 | - | 291,892,000 |
| **Total** | | **2,728,888,000** | **39,588,000** | **657,915,000** | **6,350,000** | **114,978,000** | **12,900,000** | **10,950,000** | **1,800,000** | **3,560,619,000** |
| **Annual Average Mthly Volume** | | **227,407,333** | **3,299,000** | **54,826,250** | **529,167** | **9,581,500** | **1,075,000** | **912,500** | **150,000** | **296,718,250** |
| **"Normal" Avg Per Acct -- Forecast** | | 8,851 | 27,941 | 25,380 | 42,479 | 58,252 | | | | |
| **Rainfall/Conservation Adjusted Vol** | | 2,812,950,179 | 42,246,046 | 674,305,009 | 7,646,285 | 113,940,350 | - | - | - | |
| **Rainfall Basis Total or Past 12 months** | | **2,812,950,179** | **42,246,046** | **674,305,009** | **7,646,285** | **113,940,350** | **0** | **0** | **0** | **3,651,087,870** |
| Adjustment for Test Year | 0.0% | 2.08% | 0.00% | 1.81% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| **Test Year Volume** | | **2,871,369,641** | **42,246,046** | **686,487,575** | **7,646,285** | **113,940,350** | **0** | **0** | **0** | **3,721,689,897** |
| | | 8,851 | 27,941 | 25,380 | 42,479 | 58,252 | | | | |
| **Forecast Consumption Growth** | **Elasticity Adjustment** | | | | | | | | | |
| 2017 | 0.00% | 2.03% | 0.00% | 1.77% | 0.00% | 0.00% | 1,290,000,000 | 1,095,000,000 | 180,000,000 | na |
| 2018 | 0.00% | 1.99% | 0.00% | 1.74% | 0.00% | 0.00% | 0.00% | 100.00% | 0.00% | na |
| 2019 | 0.00% | 1.95% | 0.00% | 1.71% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | na |
| 2020 | 0.00% | 1.92% | 0.00% | 1.68% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | na |
| 2021 | 0.00% | 1.80% | 0.00% | 2.07% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | na |
| 2022 | 0.00% | 1.76% | 0.00% | 2.03% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | na |
| 2023 | 0.00% | 1.73% | 0.00% | 1.99% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | na |
| 2024 | 0.00% | 1.62% | 0.00% | 1.95% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | na |
| 2025 | 0.00% | 1.44% | 0.00% | 1.91% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | na |
| **Monthly Minimum Volume** | | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | - | - | - | - |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

**Test Year**
**2016**

***Input Area -- Volume and Customer Data***

***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Acadia (assumed 100 HH initially; 200 at buildout)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Water Customers:** | | | | | | | | | | |
| FY 2015 (Est) | 26,483 | 126 | 2,214 | 15 | 163 | - | - | - | 29,001 | |
| Adjustment for Test Year | 550 | - | 40 | - | - | - | - | - | 590 | 2.03% |
| 2016 | 27,033 | 126 | 2,254 | 15 | 163 | - | - | - | 29,591 | |
| **Water Annual Account Increase:** | | | | | | | | | | |
| 2017 | 550 | - | 40 | - | - | 1 | 1 | - | 592 | |
| 2018 | 550 | - | 40 | - | - | - | 1 | - | 591 | |
| 2019 | 550 | - | 40 | - | - | - | - | - | 590 | |
| 2020 | 550 | - | 40 | - | - | - | - | 1 | 591 | |
| 2021 | 525 | - | 50 | - | - | - | - | - | 575 | |
| 2022 | 525 | - | 50 | - | - | - | - | - | 575 | |
| 2023 | 525 | - | 50 | - | - | - | - | - | 575 | |
| 2024 | 500 | - | 50 | - | - | - | - | - | 550 | |
| 2025 | 450 | - | 50 | - | - | - | - | - | 500 | |
| **Water Annual Account Total:** | | | | | | | | | | |
| 2017 | 27,583 | 126 | 2,294 | 15 | 163 | 1 | 1 | - | 30,182 | 2.00% |
| 2018 | 28,133 | 126 | 2,334 | 15 | 163 | 1 | 2 | - | 30,772 | 1.95% |
| 2019 | 28,683 | 126 | 2,374 | 15 | 163 | 1 | 2 | - | 31,362 | 1.92% |
| 2020 | 29,233 | 126 | 2,414 | 15 | 163 | 1 | 2 | 1 | 31,952 | 1.88% |
| 2021 | 29,758 | 126 | 2,464 | 15 | 163 | 1 | 2 | 1 | 32,527 | 1.80% |
| 2022 | 30,283 | 126 | 2,514 | 15 | 163 | 1 | 2 | 1 | 33,102 | 1.77% |
| 2023 | 30,808 | 126 | 2,564 | 15 | 163 | 1 | 2 | 1 | 33,677 | 1.74% |
| 2024 | 31,308 | 126 | 2,614 | 15 | 163 | 1 | 2 | 1 | 34,227 | 1.63% |
| 2025 | 31,758 | 126 | 2,664 | 15 | 163 | 1 | 2 | 1 | 34,727 | 1.46% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

Test Year
2016

***Input Area -- Volume and Customer Data***

***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Acadia (assumed 100 HH initially; 200 at buildout)

| | | Max Day Production | Water Production | Water Consumption | Average Day Flow (Production) |
|---|---|---|---|---|---|
| **Produced Water** | | | | | |
| Dec-13 | | 8,208,115 | 223,316,199 | 212,407,000 | 7,203,748 |
| Jan-14 | | 10,254,615 | 246,884,564 | 207,542,000 | 7,964,018 |
| Feb-14 | | 9,455,820 | 223,648,513 | 217,430,000 | 7,987,447 |
| Mar-14 | | 11,074,717 | 271,387,040 | 199,667,000 | 8,754,421 |
| Apr-14 | | 12,640,469 | 330,343,628 | 253,252,000 | 11,011,454 |
| May-14 | | 16,258,760 | 402,954,548 | 335,122,000 | 12,998,534 |
| Jun-14 | | 13,511,334 | 329,466,638 | 346,668,000 | 10,982,221 |
| Jul-14 | | 17,425,295 | 410,619,679 | 329,000,000 | 13,245,796 |
| Aug-14 | | 17,215,065 | 442,966,279 | 378,772,000 | 14,289,235 |
| Sep-14 | | 17,950,913 | 386,768,104 | 456,071,000 | 12,892,270 |
| Oct-14 | | 14,560,495 | 356,648,686 | 332,796,000 | 11,504,796 |
| Nov-14 | | 10,395,547 | 242,173,902 | 291,892,000 | 8,072,463 |
| **Total** | **MAX DAY** | **17,950,913** | **3,867,177,780** | **3,560,619,000** | **10,575,534** |
| **Lost Water Percentage** | | | **7.9%** | | |
| **System Peak/Average Ratio** | | **2.20** | | | |
| **Calculation of System Allocation Factors (4)** | | | | | |
| Base | | 100.00% | | | |
| *Maximum Day/Extra Capacity:* | | | | | |
| Base | | 45.45% | | | |
| Maximum Day | | 54.55% | | | |
| **System Peaking Factor** | | **1.54** | | | |

| | Residential | COE Internal | Commercial | Industrial | Public | Wholesale (All Yr.) | Wholesale (w/Peaking) | Wholesale (Peaking Only) | Total |
|---|---|---|---|---|---|---|---|---|---|
| **Calculation of Customer Class Maximum Day Peaking Factors** | | | | | | | | | |
| **Prior Year Consumption** | 2,728,888,000 | 39,588,000 | 657,915,000 | 6,350,000 | 114,978,000 | 12,900,000 | 10,950,000 | 1,800,000 | 3,560,619,000 |
| Monthly Average | 227,407,333 | 3,299,000 | 54,826,250 | 529,167 | 9,581,500 | 1,075,000 | 912,500 | 150,000 | 296,718,250 |
| Peak Month | 337,053,000 | 6,753,000 | 94,868,000 | 665,000 | 15,532,000 | 1,500,000 | 1,350,000 | 600,000 | 456,071,000 |
| **Peak Month/Average Month Ratio** | **1.48** | **2.05** | **1.73** | **1.26** | **1.62** | **1.40** | **1.48** | **4.00** | **1.54** |
| **Outside Peak Purchase Factor** | | | | | | | | | |
| **Peak/Avg Ratio for Model** | **1.48** | **2.05** | **1.73** | **1.26** | **1.62** | **1.40** | **1.48** | **4.00** | **1.54** |
| System Peaking Factor | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| **Customer Class Peaking Factors** | **1.48** | **2.05** | **1.73** | **1.26** | **1.62** | **1.40** | **1.48** | **4.00** | **1.57** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

Test Year
2016

***Input Area -- Volume and Customer Data***

***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Acadia (assumed 100 HH initially; 200 at buildout)

| WASTEWATER Volume and Customer Data | | Residential | COE Internal | Commercial | Industrial | Public | (Arcadia) Wholesale | Total | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Est. Projections | | |
| Monthly Minimum Volume | | - | - | - | - | - | - | - | |
| Average Wastewater Customers | Past 12 Mos | 27,586 | 48 | 2,075 | 13 | 84 | | | |
| FY 2015 (Est) | | 27,863 | 48 | 2,091 | 15 | 84 | - | 30,101 | |
| Adjustment for Test Year | | 495 | - | 36 | - | - | - | 531 | |
| 2016 | | 28,358 | 48 | 2,127 | 15 | 84 | - | 30,632 | |
| Wastewater Annual Account Increase: | | | | | | | 38 | | |
| 2017 | 175 | 495 | - | 36 | - | - | 1 | 532 | |
| 2018 | 175 | 495 | - | 36 | - | - | - | 531 | |
| 2019 | 200 | 495 | - | 36 | - | - | - | 531 | |
| 2020 | 225 | 495 | - | 36 | - | - | - | 531 | |
| 2021 | 300 | 473 | - | 45 | - | - | - | 518 | |
| 2022 | 375 | 473 | - | 45 | - | - | - | 518 | |
| 2023 | 400 | 473 | - | 45 | - | - | - | 518 | |
| 2024 | 425 | 450 | - | 45 | - | - | - | 495 | |
| 2025 | 450 | 405 | - | 45 | - | - | - | 450 | |
| Wastewater Annual Account Total: | | | | | | | | | |
| 2017 | | 28,853 | 48 | 2,163 | 15 | 84 | 1 | 31,164 | 1.76% |
| 2018 | | 29,348 | 48 | 2,199 | 15 | 84 | 1 | 31,695 | 1.74% |
| 2019 | | 29,843 | 48 | 2,235 | 15 | 84 | 1 | 32,226 | 1.70% |
| 2020 | | 30,338 | 48 | 2,271 | 15 | 84 | 1 | 32,757 | 1.68% |
| 2021 | | 30,811 | 48 | 2,316 | 15 | 84 | 1 | 33,275 | 1.65% |
| 2022 | | 31,283 | 48 | 2,361 | 15 | 84 | 1 | 33,792 | 1.58% |
| 2023 | | 31,756 | 48 | 2,406 | 15 | 84 | 1 | 34,310 | 1.56% |
| 2024 | | 32,206 | 48 | 2,451 | 15 | 84 | 1 | 34,805 | 1.53% |
| 2025 | | 32,611 | 48 | 2,496 | 15 | 84 | 1 | 35,255 | 1.44% |
| Wastewater Annual Account % Incl: | | | | | | | | | |
| 2017 | | 1.75% | 0.00% | 1.69% | 0.00% | 0.00% | 0.00% | 1.74% | |
| 2018 | | 1.72% | 0.00% | 1.66% | 0.00% | 0.00% | 0.00% | 1.70% | |
| 2019 | | 1.69% | 0.00% | 1.64% | 0.00% | 0.00% | 0.00% | 1.68% | |
| 2020 | | 1.66% | 0.00% | 1.61% | 0.00% | 0.00% | 0.00% | 1.65% | |
| 2021 | | 1.56% | 0.00% | 1.98% | 0.00% | 0.00% | 0.00% | 1.58% | |
| 2022 | | 1.53% | 0.00% | 1.94% | 0.00% | 0.00% | 0.00% | 1.56% | |
| 2023 | | 1.51% | 0.00% | 1.91% | 0.00% | 0.00% | 0.00% | 1.53% | |
| 2024 | | 1.42% | 0.00% | 1.87% | 0.00% | 0.00% | 0.00% | 1.44% | |
| 2025 | | 1.26% | 0.00% | 1.84% | 0.00% | 0.00% | 0.00% | 1.29% | |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

Test Year
2016

***Input Area -- Volume and Customer Data***

***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

Acadia 1 (assumed 100 HH initially; 200 at buildout)

**Model Requires Input in Blue Areas Only**

| WW Billing Units | Residential | COE Internal | Commercial | Industrial | Public | Wholesale | |
|---|---|---|---|---|---|---|---|
| Dec-13 | 185,484,000 | 762,000 | 32,176,000 | 405,000 | 5,371,000 | - | 224,198,000 |
| Jan-14 | 185,484,000 | 762,000 | 32,176,000 | 405,000 | 5,371,000 | - | 224,198,000 |
| Feb-14 | 186,864,000 | 762,000 | 32,256,000 | 405,000 | 5,371,000 | - | 225,658,000 |
| Mar-14 | 187,512,000 | 762,000 | 32,184,000 | 405,000 | 5,371,000 | - | 226,234,000 |
| Apr-14 | 188,454,000 | 966,000 | 32,283,000 | 405,000 | 5,389,000 | - | 227,497,000 |
| May-14 | 165,769,000 | 1,048,000 | 32,620,000 | 405,000 | 5,350,000 | - | 205,192,000 |
| Jun-14 | 166,760,000 | 1,048,000 | 32,638,000 | 405,000 | 5,350,000 | - | 206,201,000 |
| Jul-14 | 168,943,000 | 1,097,000 | 32,188,000 | 405,000 | 5,350,000 | - | 207,983,000 |
| Aug-14 | 171,035,000 | 829,000 | 32,683,000 | 405,000 | 5,350,000 | - | 210,302,000 |
| Sep-14 | 172,059,000 | 950,000 | 32,638,000 | 405,000 | 5,350,000 | - | 211,402,000 |
| Oct-14 | 173,707,000 | 950,000 | 32,920,000 | 405,000 | 5,369,000 | - | 213,351,000 |
| Nov-14 | 174,433,000 | 1,096,000 | 32,999,000 | 402,000 | 5,416,000 | - | 214,346,000 |
| **Total** | **2,126,504,000** | **11,032,000** | **389,761,000** | **4,857,000** | **64,408,000** | **-** | **2,596,562,000** |
| **Annual Winter Average Mthly Volume** | **174,719,000** | **762,000** | **32,205,333** | **405,000** | **5,371,000** | **-** | **216,380,167** |
| **Hist Avg** | **6,424** | **15,621** | **15,017** | **35,495** | **56,184** | | |
| | 1.40% | 0.00% | 1.25% | 7.69% | 0.00% | 0.00% | |
| **Adjustment for Test Year** | -3.99% | -20.00% | 20.50% | 100.00% | -50.00% | | na |
| **Test Year Billing Units** | **2,041,656,490** | **8,825,600** | **469,662,005** | **9,714,000** | **32,204,000** | **-** | **2,562,062,095** |
| **Forecast Monthly Average/Acct** | **6,000** | **15,322** | **18,401** | **53,967** | **31,948** | | |
| **Billing Unit Ceiling** | - | - | - | - | - | - | - |

| Forecast Wastewater Billing Units | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2017 | 2,077,294,404 | 8,825,600 | 477,611,150 | 9,714,000 | 32,204,000 | 8,640,000 | 2,614,289,155 |
| 2018 | 2,112,932,318 | 8,825,600 | 485,560,296 | 9,714,000 | 32,204,000 | 8,640,000 | 2,657,876,214 |
| 2019 | 2,148,570,232 | 8,825,600 | 493,509,441 | 9,714,000 | 32,204,000 | 8,640,000 | 2,701,463,273 |
| 2020 | 2,184,208,146 | 8,825,600 | 501,458,586 | 9,714,000 | 32,204,000 | 8,640,000 | 2,745,050,332 |
| 2021 | 2,218,226,155 | 8,825,600 | 511,395,018 | 9,714,000 | 32,204,000 | 8,640,000 | 2,789,004,773 |
| 2022 | 2,252,244,164 | 8,825,600 | 521,331,450 | 9,714,000 | 32,204,000 | 8,640,000 | 2,832,959,213 |
| 2023 | 2,286,262,172 | 8,825,600 | 531,267,882 | 9,714,000 | 32,204,000 | 8,640,000 | 2,876,913,654 |
| 2024 | 2,318,660,276 | 8,825,600 | 541,204,313 | 9,714,000 | 32,204,000 | 8,640,000 | 2,919,248,189 |
| 2025 | 2,347,818,569 | 8,825,600 | 551,140,745 | 9,714,000 | 32,204,000 | 8,640,000 | 2,958,342,914 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**~~Model Requires Input in Blue Areas Only~~**

1 Series: 2005/2015 Refunding for Water Plant

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | | |
| Principal | | $ 1,552,840 | $ 3,112,970 | $ 3,112,169 | $ 1,869,024 | $ 1,913,239 | $ 1,908,695 | $ 1,905,591 | $ 1,910,056 | $ 3,148,605 | $ - |
| Interest | Est. 33.00% | 764,832 | 1,533,254 | 1,532,859 | 920,564 | 942,342 | 940,104 | 938,575 | 940,774 | 1,550,806 | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 2,317,672 | $ 4,646,224 | $ 4,645,029 | $ 2,789,588 | $ 2,855,581 | $ 2,848,799 | $ 2,844,166 | $ 2,850,830 | $ 4,699,411 | $ - |
| Total less principal | | $ 764,832 | $ 1,533,254 | $ 1,532,859 | $ 920,564 | $ 942,342 | $ 940,104 | $ 938,575 | $ 940,774 | $ 1,550,806 | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ 1,552,840 | $ 3,112,970 | $ 3,112,169 | $ 1,869,024 | $ 1,913,239 | $ 1,908,695 | $ 1,905,591 | $ 1,910,056 | $ 3,148,605 | $ - |
| Interest | | 764,832 | 1,533,254 | 1,532,859 | 920,564 | 942,342 | 940,104 | 938,575 | 940,774 | 1,550,806 | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 2,317,672 | $ 4,646,224 | $ 4,645,029 | $ 2,789,588 | $ 2,855,581 | $ 2,848,799 | $ 2,844,166 | $ 2,850,830 | $ 4,699,411 | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Collection | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

2 Series: 2005/2015 Refunding for WW Plant

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | | |
| Principal | | $ 118,635 | $ 118,575 | $ 118,601 | $ 118,675 | $ 119,166 | $ 119,187 | $ 119,136 | $ 119,349 | $ 119,384 | $ - |
| Interest | 3.75% | 4,622 | 4,620 | 4,621 | 4,624 | 4,643 | 4,644 | 4,642 | 4,650 | 4,651 | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 123,257 | $ 123,195 | $ 123,221 | $ 123,299 | $ 123,809 | $ 123,831 | $ 123,778 | $ 123,999 | $ 124,035 | - |
| Total less principal | | $ 4,622 | $ 4,620 | $ 4,621 | $ 4,624 | $ 4,643 | $ 4,644 | $ 4,642 | $ 4,650 | $ 4,651 | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ 118,635 | $ 118,575 | $ 118,601 | $ 118,675 | $ 119,166 | $ 119,187 | $ 119,136 | $ 119,349 | $ 119,384 | $ - |
| Interest | | 4,622 | 4,620 | 4,621 | 4,624 | 4,643 | 4,644 | 4,642 | 4,650 | 4,651 | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 123,257 | $ 123,195 | $ 123,221 | $ 123,299 | $ 123,809 | $ 123,831 | $ 123,778 | $ 123,999 | $ 124,035 | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Collection | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

3 Series: OWRD 2005C SRF Promissory Note
03-007

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | 3,726,484 | | | | | | | | | | |
| Principal | | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 95,551 |
| Interest | 3.75% | 8,987 | 7,994 | 7,026 | 6,057 | 5,101 | 4,119 | 3,151 | 2,182 | 1,216 | 244 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 200,089 | $ 199,096 | $ 198,127 | $ 197,159 | $ 196,203 | $ 195,221 | $ 194,252 | $ 193,284 | $ 192,317 | $ 95,795 |
| Total less principal | | $ 8,987 | $ 7,994 | $ 7,026 | $ 6,057 | $ 5,101 | $ 4,119 | $ 3,151 | $ 2,182 | $ 1,216 | $ 244 |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 191,102 | $ 95,551 |
| Interest | | 8,987 | 7,994 | 7,026 | 6,057 | 5,101 | 4,119 | 3,151 | 2,182 | 1,216 | 244 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 200,089 | $ 199,096 | $ 198,127 | $ 197,159 | $ 196,203 | $ 195,221 | $ 194,252 | $ 193,284 | $ 192,317 | $ 95,795 |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Distribution | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Collection | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

4 Series: 2013 OWRB

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | 16,085,000 | | | | | | | | | | |
| Principal | | $ 1,100,000 | $ 1,135,000 | $ 1,170,000 | $ 1,205,000 | $ 1,240,000 | $ 1,280,000 | $ 1,320,000 | $ 1,360,000 | $ 1,400,000 | $ 1,440,000 |
| Interest | 2.86% | 390,319 | 358,573 | 325,897 | 292,149 | 257,472 | 221,722 | 184,828 | 146,790 | 107,608 | 67,282 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 1,490,319 | $ 1,493,573 | $ 1,495,897 | $ 1,497,149 | $ 1,497,472 | $ 1,501,722 | $ 1,504,828 | $ 1,506,790 | $ 1,507,608 | $ 1,507,282 |
| Total less principal | | $ 390,319 | $ 358,573 | $ 325,897 | $ 292,149 | $ 257,472 | $ 221,722 | $ 184,828 | $ 146,790 | $ 107,608 | $ 67,282 |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ 1,100,000 | $ 1,135,000 | $ 1,170,000 | $ 1,205,000 | $ 1,240,000 | $ 1,280,000 | $ 1,320,000 | $ 1,360,000 | $ 1,400,000 | $ 1,440,000 |
| Interest | | 390,319 | 358,573 | 325,897 | 292,149 | 257,472 | 221,722 | 184,828 | 146,790 | 107,608 | 67,282 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ 1,490,319 | $ 1,493,573 | $ 1,495,897 | $ 1,497,149 | $ 1,497,472 | $ 1,501,722 | $ 1,504,828 | $ 1,506,790 | $ 1,507,608 | $ 1,507,282 |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Distribution | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| | | $ 1,490,319 | | | | | | | | | |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Collection | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

5 Series:

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total less principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Distribution | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Collection | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

6 Series:

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total less principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Distribution | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| | | $ - | | | | | | | | | |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Collection | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

| 7 Series: | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total less principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Distribution | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| | | $ - | | | | | | | | | |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Collection | | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% | 50.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**~~Model Requires Input in Blue Areas Only~~**

8 Series:

| Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - | - | - | - | - | - |
| Reserve | - | - | - | - | - | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total less principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *B. Percent Water/WW* | | | | | | | | | | |
| Water | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *C. Water Debt Service* | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - | - | - | - | - | - |
| Reserve | - | - | - | - | - | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | |
| Treatment | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Distribution | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - | - | - | - | - | - |
| Reserve | - | - | - | - | - | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | |
| Treatment | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Collection | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**~~Model Requires Input in Blue Areas Only~~**

9 Series: Other

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total less principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Distribution | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Collection | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**~~Model Requires Input in Blue Areas Only~~**

10 Series: Other

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *A. Total Bond* | | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total less principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Distribution | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Collection | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

11 Series: Other

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Principal | $ - | - | | | | | | | | | |
| Interest Rate | | 4.0% | | | | | | | | | |
| Term | | 20 | | | | | | | | | |
| Payment | | $0 | | | | | | | | | |
| Beginning Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Less Payment | | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Ending Principal | | - | - | - | - | - | - | - | - | - | - |
| *A. Total Bond* | | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Total less principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *B. Percent Water/WW* | | | | | | | | | | | |
| Water | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| *C. Water Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *D. Water Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Distribution | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| *E. Wastewater Debt Service* | | | | | | | | | | | |
| Principal | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | - | - | - | - | - | - | - | - | - | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| Total | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| *F. Wastewater Allocation Percentages* | | | | | | | | | | | |
| Treatment | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Collection | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

***Input Area -- Current Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**~~Model Requires Input in Blue Areas Only~~**

**CASH BASIS** **Total Debt Service**

| | Input Area | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Debt Service** | | | | | | | | | | | |
| Principal | | $ 2,962,576 | $ 4,557,647 | $ 4,591,872 | $ 3,383,801 | $ 3,463,507 | $ 3,498,984 | $ 3,535,829 | $ 3,580,507 | $ 4,859,091 | $ 1,535,551 |
| Interest | | 1,168,759 | 1,904,441 | 1,870,403 | 1,223,394 | 1,209,557 | 1,170,588 | 1,131,194 | 1,094,395 | 1,664,280 | 67,526 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| **Total** | | $ 4,131,336 | $ 6,462,087 | $ 6,462,275 | $ 4,607,194 | $ 4,673,065 | $ 4,669,572 | $ 4,667,024 | $ 4,674,903 | $ 6,523,371 | $ 1,603,077 |
| **Total Water/WW Debt Service** | | $ 4,131,336 | $ 6,462,087 | $ 6,462,275 | $ 4,607,194 | $ 4,673,065 | $ 4,669,572 | $ 4,667,024 | $ 4,674,903 | $ 6,523,371 | $ 1,603,077 |
| **Water Debt Service** | | | | | | | | | | | |
| Principal | | $ 2,843,942 | $ 4,439,072 | $ 4,473,271 | $ 3,265,126 | $ 3,344,341 | $ 3,379,797 | $ 3,416,693 | $ 3,461,158 | $ 4,739,707 | $ 1,535,551 |
| Interest | | 1,164,137 | 1,899,821 | 1,865,782 | 1,218,770 | 1,204,915 | 1,165,944 | 1,126,553 | 1,089,745 | 1,659,629 | 67,526 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| **Total** | | $ 4,008,079 | $ 6,338,892 | $ 6,339,053 | $ 4,483,895 | $ 4,549,256 | $ 4,545,741 | $ 4,543,246 | $ 4,550,903 | $ 6,399,336 | $ 1,603,077 |
| **Wastewater Debt Service** | | | | | | | | | | | |
| Principal | | $ 118,635 | $ 118,575 | $ 118,601 | $ 118,675 | $ 119,166 | $ 119,187 | $ 119,136 | $ 119,349 | $ 119,384 | $ - |
| Interest | | 4,622 | 4,620 | 4,621 | 4,624 | 4,643 | 4,644 | 4,642 | 4,650 | 4,651 | - |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| **Total** | | $ 123,257 | $ 123,195 | $ 123,221 | $ 123,299 | $ 123,809 | $ 123,831 | $ 123,778 | $ 123,999 | $ 124,035 | $ - |
| **Total Water/Wastewater Debt Service** | | | | | | | | | | | |
| Principal | | $ 2,962,576 | $ 4,557,647 | $ 4,591,872 | $ 3,383,801 | $ 3,463,507 | $ 3,498,984 | $ 3,535,829 | $ 3,580,507 | $ 4,859,091 | $ 1,535,551 |
| Interest | | 1,168,759 | 1,904,441 | 1,870,403 | 1,223,394 | 1,209,557 | 1,170,588 | 1,131,194 | 1,094,395 | 1,664,280 | 67,526 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| **Total** | | $ 4,131,336 | $ 6,462,087 | $ 6,462,275 | $ 4,607,194 | $ 4,673,065 | $ 4,669,572 | $ 4,667,024 | $ 4,674,903 | $ 6,523,371 | $ 1,603,077 |
| **Water Debt Service Functionalization** | | | | | | | | | | | |
| Treatment | | $ 3,162,875 | $ 5,492,558 | $ 5,492,041 | $ 3,636,742 | $ 3,702,419 | $ 3,697,270 | $ 3,693,706 | $ 3,700,867 | $ 5,549,373 | $ 801,538 |
| Distribution | | 845,204 | 846,334 | 847,012 | 847,154 | 846,837 | 848,471 | 849,540 | 850,037 | 849,962 | 801,538 |
| Administration | | - | - | - | - | - | - | - | - | - | - |
| Customer | | - | - | - | - | - | - | - | - | - | - |
| **Total** | | $ 4,008,079 | $ 6,338,892 | $ 6,339,053 | $ 4,483,895 | $ 4,549,256 | $ 4,545,741 | $ 4,543,246 | $ 4,550,903 | $ 6,399,336 | $ 1,603,077 |
| **Wastewater Debt Service Functionalization** | | | | | | | | | | | |
| Treatment | | $ 123,257 | $ 123,195 | $ 123,221 | $ 123,299 | $ 123,809 | $ 123,831 | $ 123,778 | $ 123,999 | $ 124,035 | $ - |
| Collection | | - | - | - | - | - | - | - | - | - | - |
| Administration | | - | - | - | - | - | - | - | - | - | - |
| Customer | | - | - | - | - | - | - | - | - | - | - |
| **Total** | | $ 123,257 | $ 123,195 | $ 123,221 | $ 123,299 | $ 123,809 | $ 123,831 | $ 123,778 | $ 123,999 | $ 124,035 | $ - |
| **Check** | | | | | | | | | | | |
| Principal | | $ 2,962,576 | $ 4,557,647 | $ 4,591,872 | $ 3,383,801 | $ 3,463,507 | $ 3,498,984 | $ 3,535,829 | $ 3,580,507 | $ 4,859,091 | $ 1,535,551 |
| Interest | | 1,168,759 | 1,904,441 | 1,870,403 | 1,223,394 | 1,209,557 | 1,170,588 | 1,131,194 | 1,094,395 | 1,664,280 | 67,526 |
| Reserve | | - | - | - | - | - | - | - | - | - | - |
| **Total** | | $ 4,131,336 | $ 6,462,087 | $ 6,462,275 | $ 4,607,194 | $ 4,673,065 | $ 4,669,572 | $ 4,667,024 | $ 4,674,903 | $ 6,523,371 | $ 1,603,077 |
| | | | 6,462,087 | 6,462,275 | 4,607,194 | 4,673,065 | 4,669,572 | 4,667,024 | 4,674,903 | 6,523,371 | 1,603,077 |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Capital Outlays (Cash Funded Capital Expenditures)***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

| | | | 10 Year Forecast 2017-2025 | Project Year | Depreciable Lifespan (Years) | Total Cost | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **WATER -- CAPITAL OUTLAYS** | | | | | | | | | | | | | |
| | | A. | WTP Budget - Waterworks Construction | | | | From 2016 Budget | | | | | | | | | |
| | | B. | Water Wells Budget | | | | | | | | | | | | | |
| | | | **Treatment/Supply** | | | | | | | | | | | | | |
| A. | 4225 | T | Master Plan Engineering | | 15 | 6,100,000 | $ 6,100,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| A. | | T | NW Complex Tower & Upgrades, Danforth Tower Painting, FE L | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| A. | 4225 | T | Master Plan Engineering | | 15 | 12,600,000 | 3,000,000 | 7,200,000 | 1,100,000 | 1,200,000 | 100,000 | - | - | - | - | - |
| A. | 4226 | T | Master Plan Construction | | 15 | 24,300,000 | - | 5,500,000 | 5,000,000 | 6,400,000 | 7,400,000 | - | - | - | - | - |
| A. | 4227 | T | Master Plan Property Acquisition | | 15 | 550,000 | 550,000 | - | - | - | - | - | - | - | - | - |
| A. | 8414 | T | Motor Vehicles | | 15 | 500,000 | - | - | - | 250,000 | - | - | - | 250,000 | - | - |
| A. | 8427 | T | Lab Equipment | | 15 | 100,000 | - | - | - | 50,000 | - | - | - | 50,000 | - | - |
| B. | 1489 | T | Install NewVFD's on Well Rehab | | 15 | 400,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 |
| B. | 2945 | T | Well down hole pipe replacement | | 15 | | 20,007 | 22,007 | 24,007 | 24,007 | 24,007 | 24,007 | 24,007 | 24,007 | 24,007 | 24,007 |
| B. | 4703 | T | Well Services | | 15 | | 180,000 | 220,000 | 185,000 | 185,000 | 185,000 | 185,000 | 185,000 | 185,000 | 185,000 | 185,000 |
| B. | 4703 | T | Well pumps & motors | | 15 | 2,160,000 | 215,000 | 185,000 | 220,000 | 220,000 | 220,000 | 220,000 | 220,000 | 220,000 | 220,000 | 220,000 |
| B. | 17461 | T | Well House Electrical | | 15 | 600,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| | | T | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| New | | T | Repair & Replacement Reserve Funding | | 15 | 13,000,000 | - | - | - | - | 500,000 | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 |
| | | | | | | 60,310,000 | 10,165,007 | 13,227,007 | 6,629,007 | 8,429,007 | 8,529,007 | 3,029,007 | 3,029,007 | 3,329,007 | 3,029,007 | 3,029,007 |
| | | | **Distribution** | | | | | | | | | | | | | |
| A. | 1528 | D | Replacement Pumps | | 15 | 390,000 | 75,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 | 35,000 |
| A. | 11360 | D | Existing Line Replacement | | 15 | 9,000,000 | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| | | D | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | D | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| New | | D | Repair & Replacement Reserve Funding | | 15 | 13,000,000 | - | - | - | - | 500,000 | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 |
| | | | | | | 22,390,000 | 75,000 | 1,035,000 | 1,035,000 | 1,035,000 | 1,535,000 | 3,535,000 | 3,535,000 | 3,535,000 | 3,535,000 | 3,535,000 |
| | | | **Administration** | | | | | | | | | | | | | |
| | | A | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | A | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | A | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **Customer** | | | | | | | | | | | | | |
| A. | 4388 | T | New Meter Installs | | 15 | $ 2,000,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 200,000 | $ 200,000 |
| | | C | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | C | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | 2,000,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 |
| | | | **TOTAL WATER CAPITAL OUTLAYS** | | | **84,700,000** | **10,440,007** | **14,462,007** | **7,864,007** | **9,664,007** | **10,264,007** | **6,764,007** | **6,764,007** | **7,064,007** | **6,764,007** | **6,764,007** |
| | | | **Water Capital Outlays Classification** | | | | | | | | | | | | | |
| | | | Treatment | **71.2%** | | $ 60,310,000 | $ 10,165,007 | $ 13,227,007 | $ 6,629,007 | $ 8,429,007 | $ 8,529,007 | $ 3,029,007 | $ 3,029,007 | $ 3,329,007 | $ 3,029,007 | $ 3,029,007 |
| | | | Distribution | **26.4%** | | 22,390,000 | 75,000 | 1,035,000 | 1,035,000 | 1,035,000 | 1,535,000 | 3,535,000 | 3,535,000 | 3,535,000 | 3,535,000 | 3,535,000 |
| | | | Administration | **0.0%** | | - | - | - | - | - | - | - | - | - | - | - |
| | | | Customer | **2.4%** | | 2,000,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 |
| | | | **Total** | **100.0%** | | **84,700,000** | **10,440,007** | **14,462,007** | **7,864,007** | **9,664,007** | **10,264,007** | **6,764,007** | **6,764,007** | **7,064,007** | **6,764,007** | **6,764,007** |



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**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Capital Outlays (Cash Funded Capital Expenditures)***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**~~Model Requires Input in Blue Areas Only~~**

| | | | 10 Year Forecast 2017-2025 | Project Year | Depreciable Lifespan (Years) | Total Cost | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **WASTEWATER -- CAPITAL OUTLAYS** | | | | | | | | | | | | | |
| | | A. | WWTP Budget - Sanitary Sewer Construction | | | | | | | | | | | | | |
| | | | **Treatment** | | | | | | | | | | | | | |
| A. | 4228 | T | Master Plan Engineering (Phase 1 & BNR) | | 15 | 13,300,000 | $ 7,000,000 | $ 6,300,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| | | T | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | T | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | T | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| New | | T | Repair & Replacement Reserve Funding | | 15 | 5,000,000 | - | - | - | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| | | | | | | 18,300,000 | 7,000,000 | 6,300,000 | - | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| | | | **Collection** | | | | | 8.0% | 7.4% | 10.3% | 6.3% | 5.9% | 5.6% | 5.3% | 5.0% | 4.8% |
| A. | 1444 | C | Existing Line Replacement | | 20 | 34,700,000 | 2,500,000 | 2,700,000 | 2,900,000 | 3,200,000 | 3,400,000 | 3,600,000 | 3,800,000 | 4,000,000 | 4,200,000 | 4,400,000 |
| A. | 4228 | C | Master Plan Engineering (ES-1,2,3,4, E1-1B) | | 20 | 5,000,000 | 1,600,000 | - | - | 1,500,000 | 1,900,000 | - | - | - | - | - |
| | | C | Project | | 20 | - | - | - | - | - | - | - | - | - | - | - |
| | | C | Project | | 20 | - | - | - | - | - | - | - | - | - | - | - |
| New | | C | Repair & Replacement Reserve Funding | | 20 | 5,000,000 | - | - | - | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| | | | | | | 44,700,000 | 4,100,000 | 2,700,000 | 2,900,000 | 4,700,000 | 5,300,000 | 4,600,000 | 4,800,000 | 5,000,000 | 5,200,000 | 5,400,000 |
| | | | **Administration** | | | | | | | | | | | | | |
| | | A | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | A | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **Customer** | | | | | | | | | | | | | |
| | | CS | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | CS | Project | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **TOTAL WASTEWATER CAPITAL OUTLAYS** | | | **63,000,000** | **11,100,000** | **9,000,000** | **2,900,000** | **4,700,000** | **5,300,000** | **5,600,000** | **5,800,000** | **6,000,000** | **6,200,000** | **6,400,000** |
| | | | **Wastewater Classification** | | | | | | | | | | | | | |
| | | | Treatment | **29.0%** | | $ 18,300,000 | $ 7,000,000 | $ 6,300,000 | $ - | $ - | $ - | $ 1,000,000 | $ 1,000,000 | $ 1,000,000 | $ 1,000,000 | $ 1,000,000 |
| | | | Collection | **71.0%** | | 44,700,000 | 4,100,000 | 2,700,000 | 2,900,000 | 4,700,000 | 5,300,000 | 4,600,000 | 4,800,000 | 5,000,000 | 5,200,000 | 5,400,000 |
| | | | Administration | **0.0%** | | - | - | - | - | - | - | - | - | - | - | - |
| | | | Customer | **0.0%** | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **Total** | **100.0%** | | **63,000,000** | **11,100,000** | **9,000,000** | **2,900,000** | **4,700,000** | **5,300,000** | **5,600,000** | **5,800,000** | **6,000,000** | **6,200,000** | **6,400,000** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

*Input Area -- Capital Outlays*
*Scenario:* *Alt 2 Revised Residential Rate Tiers (WITH Mtr E* Input Area - Annual Capital Expenditures

**Model Requires Input in Blue Areas Only**

| Budge | Proj# | | 10 Year Forecast 2017-2025 | Project Year | Depreciable Lifespan (Years) | Total Cost | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **WATER -- CAPITAL IMPROVEMENT PLAN** | | | | | | | | | | | | | |
| | | | **From Water & WW Master Plan Dec 2013** | | | | | | | | | | | | | |
| | | | **Amounts to be Financed** | - | | | | | | | | | | | | |
| | W1 | T | **INT-1** | | 50 | $ 12,000,000 | $ - | $ 12,000,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| WTP | *INT-1* | T | Intake structure improvements/expansion | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | | | | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | W2 | | **WTP-1, RES-01, REHAB-01, TANK-2, MAIN-3** | | 50 | 88,000,000 | - | 88,000,000 | - | - | - | - | - | - | - | - |
| WTP | *WTP-* | T | WTP Expansion from 10.5 to 30 mgd | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | *RES-* | T | Expansion of Residuals Handling System | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | *REHA* | T | Rehabilitation Items at Existing WTP | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | *TANK* | T | Install new ground stoarge tankd/assoc Pump station | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | *MAIN* | T | New Distribution Main to meet projected MDD | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | | T | Future Projects | | 50 | 3,900,000 | - | - | - | - | - | - | - | - | 700,000 | 3,200,000 |
| WTP | | T | Future Projects | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | | T | Future Projects | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | | T | Future Projects | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WTP | | T | Future Projects | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | 103,900,000 | - | 100,000,000 | - | - | - | - | - | - | 700,000 | 3,200,000 |
| | | | **Distribution** | | | - | | | | | | | | | | |
| | | D | Future Projects | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | D | Future Projects | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | D | Future Projects | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | D | Future Projects | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | D | Future Projects | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | D | Future Projects | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **Administration** | | | | | | | | | | | | | |
| | | A | Project | W | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | A | Project | W | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | A | Project | W | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **Customer** | | | | | | | | | | | | | |
| | | C | Future Projects | Vtr Wks Cons | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | C | Future Projects | H'ware/S'ware | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | C | Future Projects | W | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **TOTAL UNFUNDED WATER CAPITAL IMPROVEMENT PLAN; DEBT TO Be Issued** | | | **103,900,000** | **-** | **100,000,000** | **-** | **-** | **-** | **-** | **-** | **-** | **700,000** | **3,200,000** |
| | | | Treatment | **100.0%** | | $ 103,900,000 | - | 100,000,000 | - | - | - | - | - | - | 700,000 | 3,200,000 |
| | | | Distribution | **0.0%** | | - | - | - | - | - | - | - | - | - | - | - |
| | | | Administration | **0.0%** | | - | - | - | - | - | - | - | - | - | - | - |
| | | | Customer | **0.0%** | | - | - | - | - | - | - | - | - | - | - | - |
| | | | **Total** | **100.0%** | | **103,900,000** | **-** | **100,000,000** | **-** | **-** | **-** | **-** | **-** | **-** | **700,000** | **3,200,000** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

10 Year Forecast
2017-2025

*Input Area -- Capital Outlays*
*Scenario:* *Alt 2 Revised Residential Rate Tiers (WITH Mtr E*

Input Area - Annual Capital Expenditures

**Model Requires Input in Blue Areas Only**

**WASTEWATER -- CAPITAL IMPROVEMENT PLAN**
**From Water & WW Master Plan Dec 2013**
**Amounts to be Financed**

Input Area - Annual Capital Expenditures

| | | Treatment | Account | Depreciable Lifespan (Years) | Total Cost | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T | Phase I and BNR-1 | WW | 50 | 88,000,000 | $ - | $ 88,000,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| WWTI Phase | T | Exp of WWTP to 12.0 mgd; conv of treatment process to Conventional Acitvated Sludge and New facilities for biological Nutrient | WW | 50 | - | - | - | - | - | - | - | - | - | - | - |
| WWTP | T | Future Projects | WW | | | - | - | - | - | - | - | - | - | - | - |
| WWTI | T | Future Projects | WW | 15 | - | - | - | - | - | - | - | - | - | - | - |
| WWTP | T | Future Projects | WW | 15 | - | - | - | - | - | - | - | - | - | - | - |
| WWTP | T | Future Projects | WW | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | 88,000,000 | - | 88,000,000 | - | - | - | - | - | - | - | - |
| | | **Collection** | | | | | | | | | | | | | |
| 1 | C | LS-1 and LS-3 | | 50 | 17,000,000 | 17,000,000 | - | - | - | - | - | - | - | - | - |
| LS-1 a | C | Replacement of Spring Creek Lift Station with Parallel Force Main & Modifications to Chisholm Creek Lift Station and new Holding | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 2 | C | LS-2 | | 50 | 4,800,000 | - | 4,800,000 | - | - | - | - | - | - | - | - |
| LS-2 | C | Repl of 33rd & 40th St. Lift Stations w/ a single new lift station | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 3 | C | E5-1 | | 50 | 1,100,000 | - | - | - | - | - | - | 1,100,000 | - | - | - |
| E5-1 | C | Upsize existing sewer from 10" to 18" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 4 | C | E5-2 | | 50 | 1,500,000 | - | - | - | - | - | - | 1,500,000 | - | - | - |
| E5-2 | C | Upsize existing sewer from 15" to 24" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 5 | C | E5-3 | | 50 | 3,700,000 | - | - | - | - | - | - | 3,700,000 | - | - | - |
| E5-3 | C | Upsize existing sewer from 18"/24" to 36" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 6 | C | E6-1, E6-2, E6-3 and E6-4 | | 50 | 1,800,000 | - | - | - | - | - | - | - | - | - | 1,800,000 |
| E6-1, | C | Upsize Existing Sewer lines and install Parallel 15" Sewer | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 7 | C | E1-2 and E1-1A | | 50 | 9,800,000 | 9,800,000 | - | - | - | - | - | - | - | - | - |
| E1-2 a | C | Upsize existing sewer from 18" to 30" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 8 | C | E3-1 and E3-2 | | 50 | 1,400,000 | - | 1,400,000 | - | - | - | - | - | - | - | - |
| E3-2 a | C | Upsize existing sewer from 18" to 30" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 9 | C | E4-1 | | 50 | 1,300,000 | - | - | - | - | - | 1,300,000 | - | - | - | - |
| E4-1 | C | Upsize existing sewer from 24" to 36" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 10 | C | E4-2 | | 50 | 600,000 | - | - | - | - | - | 600,000 | - | - | - | - |
| E4-2 | C | Upsize existing sewer from 24" to 36" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 11 | C | E4-3 | | 50 | 900,000 | - | - | - | - | - | 900,000 | - | - | - | - |
| E4-3 | C | Upsize existing sewer from 24" to 36" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 12 | C | E4-4 and E4-5 | | 50 | 2,400,000 | - | - | - | - | - | 2,400,000 | - | - | - | - |
| E4-4 a | C | Upsize existing sewer from 24" to 36" & Install Parallel 24" sewer Line | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 13 | C | W2-1 and W2-2 | | 50 | 2,700,000 | - | - | - | - | - | - | - | 2,700,000 | - | - |
| W2-1 | C | Upsize Existing Sewer from 8"/10" to 18" & from 12" to 18" | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 14 | C | W2-3 | | 50 | 1,900,000 | 1,900,000 | - | - | - | - | - | - | - | - | - |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Capital Outlays***
***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr E*** **Input Area - Annual Capital Expenditures**

**~~Model Requires Input in Blue Areas Only~~**

| | | 10 Year Forecast 2017-2025 | | Project Year | Depreciable Lifespan (Years) | Total Cost | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W2-3 | C | Upsize existing sewer from 21"/24" to 30" | | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 15 | C | **E3-3, E3-4, E1-1B** | | | 50 | 7,700,000 | - | - | 7,700,000 | - | - | - | - | - | - | - |
| E3-3, | C | Install Parallel Piping to alleviate surcharging | | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| 16 | C | **W1-1 and W1-2** | | | 50 | 800,000 | - | - | - | - | - | - | - | 800,000 | | |
| W1-1 | C | Upsize to alleviate surcharging and several observed overflows | | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| | C | Future Projects | | | 50 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | 59,400,000 | 28,700,000 | 6,200,000 | 7,700,000 | - | - | 5,200,000 | 6,300,000 | 3,500,000 | - | 1,800,000 |
| | | **Administration** | | | | | | | | | | | | | | |
| | A | Project | WW | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | A | Project | WW | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | **Customer** | | | | | | | | | | | | | | |
| | CS | Project | WW | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | CS | Project | WW | | 15 | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | - | - | - | - | - | - | - | - | - | - | - |
| | | **TOTAL UNFUNDED WASTEWATER CAPITAL IMPROVEMENT PLAN; DEBT TO BE ISSI** | | | | **147,400,000** | **28,700,000** | **94,200,000** | **7,700,000** | **-** | **-** | **5,200,000** | **6,300,000** | **3,500,000** | **-** | **1,800,000** |
| | | **Wastewater Classification** | | | | | | | | | | | | | | |
| | | Treatment | **59.7%** | | | $ 88,000,000 | $ - | $ 88,000,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| | | Collection | **40.3%** | | | 59,400,000 | 28,700,000 | 6,200,000 | 7,700,000 | - | - | 5,200,000 | 6,300,000 | 3,500,000 | - | 1,800,000 |
| | | Administration | **0.0%** | | | - | - | - | - | - | - | - | - | - | - | - |
| | | Customer | **0.0%** | | | - | - | - | - | - | - | - | - | - | - | - |
| | | **Total** | **100.0%** | | | **147,400,000** | **28,700,000** | **94,200,000** | **7,700,000** | **-** | **-** | **5,200,000** | **6,300,000** | **3,500,000** | **-** | **1,800,000** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

Forecast
2017-2025

***Input Area -- Capital Improvement Plan FUNDING***

***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**1 CIP Not Funded through Budgets**

| | Total Cost | 1<br>2016 | 2<br>2017 | 3<br>2018 | 4<br>2019 | 5<br>2020 | 6<br>2021 | 7<br>2022 | 8<br>2023 | 9<br>2024 | 10<br>2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **WATER -- CAPITAL IMPROVEMENT PLAN -- TOTAL** | | | | | | | | | | | |
| **Capital Improvements - Debt funded** | | | | | | | | | | | |
| Treatment | $ 103,900,000 | $ - | $ 100,000,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ 700,000 | $ 3,200,000 |
| Distribution | - | - | - | - | - | - | - | - | - | - | - |
| Administration | - | - | - | - | - | - | - | - | - | - | - |
| Customer | - | - | - | - | - | - | - | - | - | - | - |
| **Total Unfunded Water CIP** | **$ 103,900,000** | - | 100,000,000 | - | - | - | - | - | - | 700,000 | 3,200,000 |
| **Capital Improvements and Outlays - Cash Funded** | | | | | | | | | | | |
| Treatment | $ 62,424,070 | $ 10,165,007 | 13,227,007 | 6,629,007 | 8,429,007 | 8,529,007 | 3,029,007 | 3,029,007 | 3,329,007 | 3,029,007 | 3,029,007 |
| Distribution | 22,390,000 | 75,000 | 1,035,000 | 1,035,000 | 1,035,000 | 1,535,000 | 3,535,000 | 3,535,000 | 3,535,000 | 3,535,000 | 3,535,000 |
| Administration | - | - | - | - | - | - | - | - | - | - | - |
| Customer | 2,000,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 | 200,000 |
| **Total Cash Funded Water CIP** | **$ 86,814,070** | 10,440,007 | 14,462,007 | 7,864,007 | 9,664,007 | 10,264,007 | 6,764,007 | 6,764,007 | 7,064,007 | 6,764,007 | 6,764,007 |
| **Total Water Capital Projects and Outlays** | **$ 190,714,070** | $ 10,440,007 | $ 114,462,007 | $ 7,864,007 | $ 9,664,007 | $ 10,264,007 | $ 6,764,007 | $ 6,764,007 | $ 7,064,007 | $ 7,464,007 | $ 9,964,007 |
| **WASTEWATER CAPITAL IMPROVEMENT PLAN -- TOTAL** | | | | | | | | | | | |
| **Capital Improvements - Debt funded** | | | | | | | | | | | |
| Treatment | $ 88,000,000 | $ - | $ 88,000,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Collection | 59,400,000 | 28,700,000 | 6,200,000 | 7,700,000 | - | - | 5,200,000 | 6,300,000 | 3,500,000 | - | 1,800,000 |
| Administration | - | - | - | - | - | - | - | - | - | - | - |
| Customer | - | - | - | - | - | - | - | - | - | - | - |
| **Total Unfunded Wastewater CIP** | **$ 147,400,000** | 28,700,000 | 94,200,000 | 7,700,000 | - | - | 5,200,000 | 6,300,000 | 3,500,000 | - | 1,800,000 |
| **Capital Improvements and Outlays - Cash Funded** | | | | | | | | | | | |
| Treatment | $ 18,300,000 | $ 7,000,000 | $ 6,300,000 | $ - | $ - | $ - | $ 1,000,000 | $ 1,000,000 | $ 1,000,000 | $ 1,000,000 | $ 1,000,000 |
| Collection | 44,700,000 | 4,100,000 | 2,700,000 | 2,900,000 | 4,700,000 | 5,300,000 | 4,600,000 | 4,800,000 | 5,000,000 | 5,200,000 | 5,400,000 |
| Administration | - | - | - | - | - | - | - | - | - | - | - |
| Customer | - | - | - | - | - | - | - | - | - | - | - |
| **Total Unfunded Wastewater CIP** | **$ 63,000,000** | 11,100,000 | 9,000,000 | 2,900,000 | 4,700,000 | 5,300,000 | 5,600,000 | 5,800,000 | 6,000,000 | 6,200,000 | 6,400,000 |
| **Total Wastewater Capital Projects and Outlays** | **$ 210,400,000** | $ 39,800,000 | $ 103,200,000 | $ 10,600,000 | $ 4,700,000 | $ 5,300,000 | $ 10,800,000 | $ 12,100,000 | $ 9,500,000 | $ 6,200,000 | $ 8,200,000 |
| **SUMMARY - TOTAL CAPITAL IMPROVEMENTS AND OUTLAYS** | | | | | | | | | | | |
| **Summary** | | | | | | | | | | | |
| Water | $ 190,714,070 | $ 10,440,007 | $ 114,462,007 | $ 7,864,007 | $ 9,664,007 | $ 10,264,007 | $ 6,764,007 | $ 6,764,007 | $ 7,064,007 | $ 7,464,007 | $ 9,964,007 |
| Wastewater | 210,400,000 | 39,800,000 | 103,200,000 | 10,600,000 | 4,700,000 | 5,300,000 | 10,800,000 | 12,100,000 | 9,500,000 | 6,200,000 | 8,200,000 |
| **Total** | **401,114,070** | **50,240,007** | **217,662,007** | **18,464,007** | **14,364,007** | **15,564,007** | **17,564,007** | **18,864,007** | **16,564,007** | **13,664,007** | **18,164,007** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| Forecast 2017-2025 | Total Cost | 1 2016 | 2 2017 | 3 2018 | 4 2019 | 5 2020 | 6 2021 | 7 2022 | 8 2023 | 9 2024 | 10 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Input Area -- Capital Improvement Plan FUNDING*** | | | | | | | | | | | |
| ***Scenario:*** | ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)*** | | | | | | | | | | |
| **2 Impact Fee/ Input** | | | | | | | | | | | |
| **Accelerators** | | | | | | | | | | | |
| Water | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| **Fee Per 5/8" or 3/4" Connection** | | | | | | | | | | | |
| Impact Fee -- Water | | $ 1,106 | $ 1,106 | $ 1,106 | $ 1,106 | $ 1,106 | $ 1,106 | $ 1,106 | $ 1,106 | $ 1,106 | $ 1,106 |
| Impact Fee -- Wastewater | | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 |
| **Fee Per 1" Connection** | | | | | | | | | | | |
| Impact Fee -- Water | | $ 2,177 | $ 2,177 | $ 2,177 | $ 2,177 | $ 2,177 | $ 2,177 | $ 2,177 | $ 2,177 | $ 2,177 | $ 2,177 |
| Impact Fee -- Wastewater | Residential | 1,880 | 1,880 | 1,880 | 1,880 | 1,880 | 1,880 | 1,880 | 1,880 | 1,880 | 1,880 |
| **Fee Per 1 1/2" Connection** | | | | | | | | | | | |
| Impact Fee -- Water | | $ 5,818 | $ 5,818 | $ 5,818 | $ 5,818 | $ 5,818 | $ 5,818 | $ 5,818 | $ 5,818 | $ 5,818 | $ 5,818 |
| Impact Fee -- Wastewater | | 5,038 | 5,038 | 5,038 | 5,038 | 5,038 | 5,038 | 5,038 | 5,038 | 5,038 | 5,038 |
| **Fee Per 2" Connection** | | | | | | | | | | | |
| Impact Fee -- Water | | $ 14,385 | $ 14,385 | $ 14,385 | $ 14,385 | $ 14,385 | $ 14,385 | $ 14,385 | $ 14,385 | $ 14,385 | $ 14,385 |
| Impact Fee -- Wastewater | | 12,469 | 12,469 | 12,469 | 12,469 | 12,469 | 12,469 | 12,469 | 12,469 | 12,469 | 12,469 |
| **Fee Per 3" Connection** | | | | | | | | | | | |
| Impact Fee -- Water | | $ 36,231 | $ 36,231 | $ 36,231 | $ 36,231 | $ 36,231 | $ 36,231 | $ 36,231 | $ 36,231 | $ 36,231 | $ 36,231 |
| Impact Fee -- Wastewater | | 31,418 | 31,418 | 31,418 | 31,418 | 31,418 | 31,418 | 31,418 | 31,418 | 31,418 | 31,418 |
| **Fee Per 4" Connection** | | | | | | | | | | | |
| Impact Fee -- Water | | $ 46,405 | $ 46,405 | $ 46,405 | $ 46,405 | $ 46,405 | $ 46,405 | $ 46,405 | $ 46,405 | $ 46,405 | $ 46,405 |
| Impact Fee -- Wastewater | | 40,242 | 40,242 | 40,242 | 40,242 | 40,242 | 40,242 | 40,242 | 40,242 | 40,242 | 40,242 |
| **Fee Per 6" Connection** | | | | | | | | | | | |
| Impact Fee -- Water | | $ 106,706 | $ 106,706 | $ 106,706 | $ 106,706 | $ 106,706 | $ 106,706 | $ 106,706 | $ 106,706 | $ 106,706 | $ 106,706 |
| Impact Fee -- Wastewater | | 91,752 | 91,752 | 91,752 | 91,752 | 91,752 | 91,752 | 91,752 | 91,752 | 91,752 | 91,752 |
| **Water -- New Accounts** | | | | | | | | | | | |
| 5/8" or 3/4" | 74.6% | 440 | 441 | 441 | 440 | 441 | 429 | 429 | 429 | 410 | 373 |
| 1" | 23.1% | 136 | 137 | 136 | 136 | 136 | 133 | 133 | 133 | 127 | 115 |
| 1 1/2" | 1.1% | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| 2" | 1.1% | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 |
| 3" | 0.1% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4" | 0.0% | - | - | - | - | - | - | - | - | - | - |
| 6" | 0.0% | - | - | - | - | - | - | - | - | - | - |
| Total | 99.9% | 590 | 592 | 591 | 590 | 591 | 575 | 575 | 575 | 550 | 500 |



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**Forecast**
**2017-2025**

**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

***Input Area -- Capital Improvement Plan FUNDING***
***Scenario:*** ***Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

| | Total Cost | 1 2016 | 2 2017 | 3 2018 | 4 2019 | 5 2020 | 6 2021 | 7 2022 | 8 2023 | 9 2024 | 10 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wastewater -- New Accounts** | | | | | | | | | | | |
| 5/8" or 3/4" | 74.6% | 396 | 397 | 396 | 396 | 396 | 386 | 386 | 386 | 369 | 336 |
| 1" Residential | 23.1% | 122 | 123 | 122 | 122 | 122 | 119 | 119 | 119 | 114 | 104 |
| 1 1/2" | 1.1% | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 5 |
| 2" | 1.1% | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 |
| 3" | 0.1% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4" | 0.0% | - | - | - | - | - | - | - | - | - | - |
| 6" | 0.0% | - | - | - | - | - | - | - | - | - | - |
| | 99.9% | 531 | 532 | 531 | 531 | 531 | 518 | 518 | 518 | 495 | 450 |
| Wastewater -- New Accounts | 5,154 | 531 | 532 | 531 | 531 | 531 | 518 | 518 | 518 | 495 | 450 |
| Total Impact/Connection Fee Revenue | | | | | | | | | | | |
| Water | $ 9,244,529 | $ 954,546 | $ 957,829 | $ 955,652 | $ 954,546 | $ 955,652 | $ 921,464 | $ 921,464 | $ 921,464 | $ 887,388 | $ 814,524 |
| Wastewater | 7,212,265 | 742,416 | 745,247 | 742,416 | 742,416 | 742,416 | 722,228 | 722,228 | 722,228 | 696,661 | 634,009 |
| Total | **$ 16,456,794** | **$ 1,696,962** | **$ 1,703,076** | **$ 1,698,068** | **$ 1,696,962** | **$ 1,698,068** | **$ 1,643,692** | **$ 1,643,692** | **$ 1,643,692** | **$ 1,584,049** | **$ 1,448,533** |

**3 CIP Funding Summary**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Capital Improvement Plan Funding -- WATER** | | | | | | | | | | | |
| Beginning Funds Available (Emergencies and Shortfalls) | | $ 26,942,243 | $ 17,726,204 | $ 4,399,288 | $ (2,465,074) | $ (11,174,535) | $ (20,482,890) | $ (26,325,433) | $ (32,167,976) | $ (38,310,519) | $ (44,187,138) |
| Interest 1.0% | | 269,422 | 177,262 | 43,993 | - | - | - | - | - | - | - |
| Plus Development Fees -- WATER | | 954,546 | 957,829 | 955,652 | 954,546 | 955,652 | 921,464 | 921,464 | 921,464 | 887,388 | 814,524 |
| Sub-Total | | 28,166,211 | 18,861,295 | 5,398,933 | (1,510,528) | (10,218,883) | (19,561,426) | (25,403,969) | (31,246,512) | (37,423,131) | (43,372,614) |
| Plus Proceeds from Issuance of Debt -- WATER | **103,900,000** | - | 100,000,000 | - | - | - | - | - | - | 700,000 | 3,200,000 |
| Total Available Funds | | 28,166,211 | 118,861,295 | 5,398,933 | (1,510,528) | (10,218,883) | (19,561,426) | (25,403,969) | (31,246,512) | (36,723,131) | (40,172,614) |
| Less Unfunded CIP -- WATER | | 10,440,007 | 114,462,007 | 7,864,007 | 9,664,007 | 10,264,007 | 6,764,007 | 6,764,007 | 7,064,007 | 7,464,007 | 9,964,007 |
| **Ending Funds Available** | | **$ 17,726,204** | **$ 4,399,288** | **$ (2,465,074)** | **$ (11,174,535)** | **$ (20,482,890)** | **$ (26,325,433)** | **$ (32,167,976)** | **$ (38,310,519)** | **$ (44,187,138)** | **$ (50,136,621)** |
| **Capital Improvement Plan Funding -- WASTEWATER** | | | | | | | | | | | |
| Beginning Funds Available (Emergencies and Shortfalls) | | $ 15,062,359 | $ 4,855,399 | $ (3,350,800) | $ (5,508,384) | $ (9,465,968) | $ (14,023,552) | $ (18,901,324) | $ (23,979,096) | $ (29,256,868) | $ (34,760,207) |
| Interest 1.0% | | 150,624 | 48,554 | - | - | - | - | - | - | - | - |
| Plus Development Fees -- WASTEWATER | | 742,416 | 745,247 | 742,416 | 742,416 | 742,416 | 722,228 | 722,228 | 722,228 | 696,661 | 634,009 |
| Sub-Total | | 15,955,399 | 5,649,200 | (2,608,384) | (4,765,968) | (8,723,552) | (13,301,324) | (18,179,096) | (23,256,868) | (28,560,207) | (34,126,198) |
| Plus Proceeds from Issuance of Debt -- WASTEWATE | **147,400,000** | 28,700,000 | 94,200,000 | 7,700,000 | - | - | 5,200,000 | 6,300,000 | 3,500,000 | - | 1,800,000 |
| Total Available Funds | | 44,655,399 | 99,849,200 | 5,091,616 | (4,765,968) | (8,723,552) | (8,101,324) | (11,879,096) | (19,756,868) | (28,560,207) | (32,326,198) |
| Less Unfunded CIP -- WASTEWATER | | 39,800,000 | 103,200,000 | 10,600,000 | 4,700,000 | 5,300,000 | 10,800,000 | 12,100,000 | 9,500,000 | 6,200,000 | 8,200,000 |
| **Ending Funds Available** | | **$ 4,855,399** | **$ (3,350,800)** | **$ (5,508,384)** | **$ (9,465,968)** | **$ (14,023,552)** | **$ (18,901,324)** | **$ (23,979,096)** | **$ (29,256,868)** | **$ (34,760,207)** | **$ (40,526,198)** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input in Blue Areas Only**

| | |
|---|---|
| **Debt Financing Variables** | |
| Issuing Cost Percentage | 2.00% |
| Interest Rate | 4.0% |
| Term (Years) | 30 |
| Reserve Years Funded | - |
| **Water Allocation Percentages** | |
| Treatment | 100.0% |
| Distribution | 0.0% |
| Administration | 0.0% |
| Customer | 0.0% |
| Total | 100.0% |
| **Wastewater Allocation Percentages** | |
| Treatment | 59.7% |
| Collection | 40.3% |
| Administration | 0.0% |
| Customer | 0.0% |
| Total | 100.0% |

| **Debt Issues** | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | $ 103,900,000 | $ - | $ 100,000,000 | $ - | $ - | $ - | $ - | $ - | $ - | $ 700,000 | $ 3,200,000 |
| Wastewater | 147,400,000 | 28,700,000 | 94,200,000 | 7,700,000 | - | - | 5,200,000 | 6,300,000 | 3,500,000 | - | 1,800,000 |
| **Total** | **251,300,000** | **28,700,000** | **194,200,000** | **7,700,000** | **-** | **-** | **5,200,000** | **6,300,000** | **3,500,000** | **700,000** | **5,000,000** |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** 2016

| | |
|---|---|
| Principal | $ 28,700,000 |
| Issuing Costs | 574,000 |
| Total Debt | 29,274,000 |
| Interest Rate | 4.0% |
| Term | 30 |
| P&I | 1,692,918 |

| | | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Beginning Principal | | $ 29,274,000 | $ 29,274,000 | $ 28,752,042 | $ 28,209,205 | $ 27,644,655 | $ 27,057,523 | $ 26,446,905 | $ 25,811,863 | $ 25,151,419 | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Principal | Int only 1st yr | | $ - | $ 521,958 | $ 542,837 | $ 564,550 | $ 587,132 | $ 610,617 | $ 635,042 | $ 660,444 | $ 686,862 |
| Interest | | | 1,170,960 | 1,170,960 | 1,150,082 | 1,128,368 | 1,105,786 | 1,082,301 | 1,057,876 | 1,032,475 | 1,006,057 |
| Reserve | | | - | - | - | - | - | - | - | - | - |
| Total | | | $ 1,170,960 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 |
| Percent Water/WW | | | | | | | | | | | |
| Water | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Total | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Water Debt Service | | | | | | | | | | | |
| Principal | | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | | | - | - | - | - | - | - | - | - | - |
| Reserve | | | - | - | - | - | - | - | - | - | - |
| Total | | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Water Allocation Percentages | | | | | | | | | | | |
| Treatment | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater Debt Service | | | | | | | | | | | |
| Principal | | | $ - | $ 521,958 | $ 542,837 | $ 564,550 | $ 587,132 | $ 610,617 | $ 635,042 | $ 660,444 | $ 686,862 |
| Interest | | | 1,170,960 | 1,170,960 | 1,150,082 | 1,128,368 | 1,105,786 | 1,082,301 | 1,057,876 | 1,032,475 | 1,006,057 |
| Reserve | | | - | - | - | - | - | - | - | - | - |
| Total | | | $ 1,170,960 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 | $ 1,692,918 |
| Wastewater Allocation Percentages | | | | | | | | | | | |
| Treatment | | | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% |
| Collection | | | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% |
| Administration | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** 2017

| | |
|---|---|
| Principal | $ 194,200,000 |
| Issuing Costs | 3,884,000 |
| Total Debt | 198,084,000 |
| Interest Rate | 4.0% |
| Term | 30 |
| P&I | 11,455,217 |

| | | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|
| Beginning Principal | | | 198,084,000 | 198,084,000 | 194,552,143 | 190,879,011 | 187,058,954 | 183,086,095 | 178,954,321 | 174,657,277 |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Principal | Int only 1st yr | $ | - | $ 3,531,857 | $ 3,673,132 | $ 3,820,057 | $ 3,972,859 | $ 4,131,774 | $ 4,297,045 | $ 4,468,926 |
| Interest | | | 7,923,360 | 7,923,360 | 7,782,086 | 7,635,160 | 7,482,358 | 7,323,444 | 7,158,173 | 6,986,291 |
| Reserve | | | - | - | - | - | - | - | - | - |
| Total | | $ | 7,923,360 | $ 11,455,217 | $ 11,455,217 | $ 11,455,217 | $ 11,455,217 | $ 11,455,217 | $ 11,455,217 | $ 11,455,217 |
| Percent Water/WW | | | | | | | | | | |
| Water | | | 51.5% | 51.5% | 51.5% | 51.5% | 51.5% | 51.5% | 51.5% | 51.5% |
| Wastewater | | | 48.5% | 48.5% | 48.5% | 48.5% | 48.5% | 48.5% | 48.5% | 48.5% |
| Total | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Water Debt Service | | | | | | | | | | |
| Principal | | $ | - | $ 1,818,670 | $ 1,891,417 | $ 1,967,074 | $ 2,045,757 | $ 2,127,587 | $ 2,212,690 | $ 2,301,198 |
| Interest | | | 4,080,000 | 4,080,000 | 4,007,253 | 3,931,597 | 3,852,914 | 3,771,083 | 3,685,980 | 3,597,472 |
| Reserve | | | - | - | - | - | - | - | - | - |
| Total | | $ | 4,080,000 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 |
| Water Allocation Percentages | | | | | | | | | | |
| Treatment | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater Debt Service | | | | | | | | | | |
| Principal | | $ | - | $ 1,713,187 | $ 1,781,715 | $ 1,852,983 | $ 1,927,103 | $ 2,004,187 | $ 2,084,354 | $ 2,167,728 |
| Interest | | | 3,843,360 | 3,843,360 | 3,774,833 | 3,703,564 | 3,629,445 | 3,552,360 | 3,472,193 | 3,388,819 |
| Reserve | | | - | - | - | - | - | - | - | - |
| Total | | $ | 3,843,360 | $ 5,556,547 | $ 5,556,547 | $ 5,556,547 | $ 5,556,547 | $ 5,556,547 | $ 5,556,547 | $ 5,556,547 |
| Wastewater Allocation Percentages | | | | | | | | | | |
| Treatment | | | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% |
| Collection | | | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% |
| Administration | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | | | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** 2018

| | |
|---|---|
| Principal | $ 7,700,000 |
| Issuing Costs | 154,000 |
| Total Debt | 7,854,000 |
| Interest Rate | 4.0% |
| Term | 30 |
| P&I | 454,198 |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| **Beginning Principal** | $ 7,854,000 | $ 7,713,962 | $ 7,568,323 | $ 7,416,859 | $ 7,259,335 | $ 7,095,511 | $ 6,925,134 |
| Principal | $ 140,038 | $ 145,639 | $ 151,465 | $ 157,523 | $ 163,824 | $ 170,377 | $ 177,192 |
| Interest | 314,160 | 308,558 | 302,733 | 296,674 | 290,373 | 283,820 | 277,005 |
| Reserve | - | - | - | - | - | - | - |
| Total | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 |
| Percent Water/WW | | | | | | | |
| Water | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Water Debt Service | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - | - | - |
| Reserve | - | - | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Water Allocation Percentages | | | | | | | |
| Treatment | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater Debt Service | | | | | | | |
| Principal | $ 140,038 | $ 145,639 | $ 151,465 | $ 157,523 | $ 163,824 | $ 170,377 | $ 177,192 |
| Interest | 314,160 | 308,558 | 302,733 | 296,674 | 290,373 | 283,820 | 277,005 |
| Reserve | - | - | - | - | - | - | - |
| Total | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 | $ 454,198 |
| Wastewater Allocation Percentages | | | | | | | |
| Treatment | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% |
| Collection | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |


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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** 2019

| | |
|---|---|
| Principal | $ - |
| Issuing Costs | - |
| Total Debt | - |
| Interest Rate | 4.0% |
| Term | 30 |
| P&I | - |

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| **Beginning Principal** | - | - | - | - | - | - |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - | - |
| Reserve | - | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - | $ - |
| Percent Water/WW | | | | | | |
| Water | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Water Debt Service | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - | - |
| Reserve | - | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - | $ - |
| Water Allocation Percentages | | | | | | |
| Treatment | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater Debt Service | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - | - |
| Reserve | - | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - | $ - |
| Wastewater Allocation Percentages | | | | | | |
| Treatment | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% |
| Collection | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** **2020**

| | |
|---|---|
| Principal | $ - |
| Issuing Costs | - |
| Total Debt | - |
| Interest Rate | 4.0% |
| Term | 30 |
| P&I | - |

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| **Beginning Principal** | - | - | - | - | - |
| Principal | - | - | - | - | - |
| Interest | - | - | - | - | - |
| Reserve | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - |
| Percent Water/WW | | | | | |
| Water | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Water Debt Service | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - |
| Reserve | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - |
| Water Allocation Percentages | | | | | |
| Treatment | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater Debt Service | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - | - |
| Reserve | - | - | - | - | - |
| Total | $ - | $ - | $ - | $ - | $ - |
| Wastewater Allocation Percentages | | | | | |
| Treatment | 59.7% | 59.7% | 59.7% | 59.7% | 59.7% |
| Collection | 40.3% | 40.3% | 40.3% | 40.3% | 40.3% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** 2021

| | |
|---|---|
| Principal | $ 5,200,000 |
| Issuing Costs | 104,000 |
| Total Debt | 5,304,000 |
| Interest Rate | 4.0% |
| Term | 30 |
| P&I | 306,731 |

| | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| **Beginning Principal** | 5,304,000 | 5,209,429 | 5,111,075 | 5,008,788 |
| Principal | $ 94,571 | $ 98,354 | $ 102,288 | $ 106,379 |
| Interest | 212,160 | 208,377 | 204,443 | 200,352 |
| Reserve | - | - | - | - |
| Total | $ 306,731 | $ 306,731 | $ 306,731 | $ 306,731 |
| Percent Water/WW | | | | |
| Water | 0.0% | 0.0% | 0.0% | 0.0% |
| Wastewater | 100.0% | 100.0% | 100.0% | 100.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% |
| Water Debt Service | | | | |
| Principal | $ - | $ - | $ - | $ - |
| Interest | - | - | - | - |
| Reserve | - | - | - | - |
| Total | $ - | $ - | $ - | $ - |
| Water Allocation Percentages | | | | |
| Treatment | 100.0% | 100.0% | 100.0% | 100.0% |
| Distribution | 0.0% | 0.0% | 0.0% | 0.0% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% |
| Wastewater Debt Service | | | | |
| Principal | $ 94,571 | $ 98,354 | $ 102,288 | $ 106,379 |
| Interest | 212,160 | 208,377 | 204,443 | 200,352 |
| Reserve | - | - | - | - |
| Total | $ 306,731 | $ 306,731 | $ 306,731 | $ 306,731 |
| Wastewater Allocation Percentages | | | | |
| Treatment | 59.7% | 59.7% | 59.7% | 59.7% |
| Collection | 40.3% | 40.3% | 40.3% | 40.3% |
| Administration | 0.0% | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% | 100.0% |



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EDMOND PUBLIC WORKS AUTHORITY
WATER/WASTEWATER COST OF SERVICE MODEL

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** 2022

| | |
|---|---|
| Principal | $ 6,300,000 |
| Issuing Costs | 126,000 |
| Total Debt | 6,426,000 |
| Interest Rate | 4.0% |
| Term | 30 |
| P&I | 371,616 |

| | 1 | 2 | 3 |
|---|---|---|---|
| **Beginning Principal** | 6,426,000 | 6,311,424 | 6,192,265 |
| Principal | $ 114,576 | $ 119,159 | $ 123,926 |
| Interest | 257,040 | 252,457 | 247,691 |
| Reserve | - | - | - |
| Total | $ 371,616 | $ 371,616 | $ 371,616 |
| Percent Water/WW | | | |
| Water | 0.0% | 0.0% | 0.0% |
| Wastewater | 100.0% | 100.0% | 100.0% |
| Total | 100.0% | 100.0% | 100.0% |
| Water Debt Service | | | |
| Principal | $ - | $ - | $ - |
| Interest | - | - | - |
| Reserve | - | - | - |
| Total | $ - | $ - | $ - |
| Water Allocation Percentages | | | |
| Treatment | 100.0% | 100.0% | 100.0% |
| Distribution | 0.0% | 0.0% | 0.0% |
| Administration | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% |
| Wastewater Debt Service | | | |
| Principal | $ 114,576 | $ 119,159 | $ 123,926 |
| Interest | 257,040 | 252,457 | 247,691 |
| Reserve | - | - | - |
| Total | $ 371,616 | $ 371,616 | $ 371,616 |
| Wastewater Allocation Percentages | | | |
| Treatment | 59.7% | 59.7% | 59.7% |
| Collection | 40.3% | 40.3% | 40.3% |
| Administration | 0.0% | 0.0% | 0.0% |
| Customer | 0.0% | 0.0% | 0.0% |
| Total | 100.0% | 100.0% | 100.0% |



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EDMOND PUBLIC WORKS AUTHORITY
WATER/WASTEWATER COST OF SERVICE MODEL

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model-Requires-Input**

**Series:** **2023**

| | | | |
|---|---|---|---|
| Principal | $ 3,500,000 | | |
| Issuing Costs | 70,000 | | |
| Total Debt | 3,570,000 | | |
| Interest Rate | 4.0% | | |
| Term | 30 | | |
| P&I | 206,453 | | |
| | | 1 | 2 |
| **Beginning Principal** | | 3,570,000 | 3,506,347 |
| Principal | | $ 63,653 | $ 66,200 |
| Interest | | 142,800 | 140,254 |
| Reserve | | - | - |
| Total | | $ 206,453 | $ 206,453 |
| Percent Water/WW | | | |
| Water | | 0.0% | 0.0% |
| Wastewater | | 100.0% | 100.0% |
| Total | | 100.0% | 100.0% |
| Water Debt Service | | | |
| Principal | | $ - | $ - |
| Interest | | - | - |
| Reserve | | - | - |
| Total | | $ - | $ - |
| Water Allocation Percentages | | | |
| Treatment | | 100.0% | 100.0% |
| Distribution | | 0.0% | 0.0% |
| Administration | | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% |
| Wastewater Debt Service | | | |
| Principal | | $ 63,653 | $ 66,200 |
| Interest | | 142,800 | 140,254 |
| Reserve | | - | - |
| Total | | $ 206,453 | $ 206,453 |
| Wastewater Allocation Percentages | | | |
| Treatment | | 59.7% | 59.7% |
| Collection | | 40.3% | 40.3% |
| Administration | | 0.0% | 0.0% |
| Customer | | 0.0% | 0.0% |
| Total | | 100.0% | 100.0% |


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EDMOND PUBLIC WORKS AUTHORITY
WATER/WASTEWATER COST OF SERVICE MODEL

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** 2024

| | | | |
|---|---|---|---|
| Principal | $ 700,000 | | |
| Issuing Costs | 14,000 | | |
| Total Debt | 714,000 | | |
| Interest Rate | 4.0% | | |
| Term | 30 | | |
| P&I | 41,291 | | |
| | | | 1 |
| **Beginning Principal** | | | 714,000 |
| Principal | | $ | 12,731 |
| Interest | | | 28,560 |
| Reserve | | | - |
| Total | | $ | 41,291 |
| Percent Water/WW | | | |
| Water | | | 100.0% |
| Wastewater | | | 0.0% |
| Total | | | 100.0% |
| Water Debt Service | | | |
| Principal | | $ | 12,731 |
| Interest | | | 28,560 |
| Reserve | | | - |
| Total | | $ | 41,291 |
| Water Allocation Percentages | | | |
| Treatment | | | 100.0% |
| Distribution | | | 0.0% |
| Administration | | | 0.0% |
| Customer | | | 0.0% |
| Total | | | 100.0% |
| Wastewater Debt Service | | | |
| Principal | | $ | - |
| Interest | | | - |
| Reserve | | | - |
| Total | | $ | - |
| Wastewater Allocation Percentages | | | |
| Treatment | | | 59.7% |
| Collection | | | 40.3% |
| Administration | | | 0.0% |
| Customer | | | 0.0% |
| Total | | | 100.0% |



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**EDMOND PUBLIC WORKS AUTHORITY**
**WATER/WASTEWATER COST OF SERVICE MODEL**

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Series:** Total

**Water Debt Service**

**CASH BASIS**

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ 1,818,670 | $ 1,891,417 | $ 1,967,074 | $ 2,045,757 | $ 2,127,587 | $ 2,212,690 | $ 2,313,929 |
| Interest | - | - | 4,080,000 | 4,080,000 | 4,007,253 | 3,931,597 | 3,852,914 | 3,771,083 | 3,685,980 | 3,626,032 |
| Reserve | - | - | - | - | - | - | - | - | - | - |
| Total | - | - | 4,080,000 | 5,898,670 | 5,898,670 | 5,898,670 | 5,898,670 | 5,898,670 | 5,898,670 | 5,939,961 |
| **Functionalization** | | | | | | | | | | |
| Treatment | $ - | $ - | $ 4,080,000 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,939,961 |
| Distribution | - | - | - | - | - | - | - | - | - | - |
| Administration | - | - | - | - | - | - | - | - | - | - |
| Customer | - | - | - | - | - | - | - | - | - | - |
| **Total** | $ - | $ - | $ 4,080,000 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,898,670 | $ 5,939,961 |

**UTILITY BASIS**

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | - | 4,080,000 | 4,080,000 | 4,007,253 | 3,931,597 | 3,852,914 | 3,771,083 | 3,685,980 | 3,626,032 |
| Reserve | - | - | - | - | - | - | - | - | - | - |
| Total | - | - | 4,080,000 | 4,080,000 | 4,007,253 | 3,931,597 | 3,852,914 | 3,771,083 | 3,685,980 | 3,626,032 |
| **Functionalization** | | | | | | | | | | |
| Treatment | - | - | 4,080,000 | 4,080,000 | 4,007,253 | 3,931,597 | 3,852,914 | 3,771,083 | 3,685,980 | 3,626,032 |
| Distribution | - | - | - | - | - | - | - | - | - | - |
| Administration | - | - | - | - | - | - | - | - | - | - |
| Customer | - | - | - | - | - | - | - | - | - | - |
| **Total** | $ - | $ - | $ 4,080,000 | $ 4,080,000 | $ 4,007,253 | $ 3,931,597 | $ 3,852,914 | $ 3,771,083 | $ 3,685,980 | $ 3,626,032 |



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EDMOND PUBLIC WORKS AUTHORITY
WATER/WASTEWATER COST OF SERVICE MODEL

| 10 Year Forecast 2017-2025 | Input Area | 2016 | 1 2017 | 2 2018 | 3 2019 | 4 2020 | 5 2021 | 6 2022 | 7 2023 | 8 2024 | 9 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|

***Input Area -- Future Debt Service***
***Scenario: Alt 2 Revised Residential Rate Tiers (WITH Mtr Equiv)***

**Model Requires Input**

**Wastewater Debt Service**

**CASH BASIS**

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | | | | | | | | | |
| Principal | $ - | $ - | $ 521,958 | $ 2,396,061 | $ 2,491,904 | $ 2,591,580 | $ 2,789,814 | $ 3,015,983 | $ 3,200,276 | $ 3,328,287 |
| Interest | - | 1,170,960 | 5,014,320 | 5,307,602 | 5,211,759 | 5,112,083 | 5,220,580 | 5,366,027 | 5,388,188 | 5,260,177 |
| Reserve | - | - | - | - | - | - | - | - | - | - |
| **Total** | - | 1,170,960 | 5,536,278 | 7,703,663 | 7,703,663 | 7,703,663 | 8,010,394 | 8,382,010 | 8,588,464 | 8,588,464 |
| **Functionalization** | | | | | | | | | | |
| Treatment | $ - | $ 699,081 | $ 3,305,241 | $ 4,599,202 | $ 4,599,202 | $ 4,599,202 | $ 4,782,325 | $ 5,004,185 | $ 5,127,441 | $ 5,127,441 |
| Collection | - | 471,879 | 2,231,038 | 3,104,461 | 3,104,461 | 3,104,461 | 3,228,069 | 3,377,825 | 3,461,023 | 3,461,023 |
| Administration | - | - | - | - | - | - | - | - | - | - |
| Customer | - | - | - | - | - | - | - | - | - | - |
| **Total** | $ - | $ 1,170,960 | $ 5,536,278 | $ 7,703,663 | $ 7,703,663 | $ 7,703,663 | $ 8,010,394 | $ 8,382,010 | $ 8,588,464 | $ 8,588,464 |

**UTILITY BASIS**

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | | | | | | | | | |
| Principal | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| Interest | - | 1,170,960 | 5,014,320 | 5,307,602 | 5,211,759 | 5,112,083 | 5,220,580 | 5,366,027 | 5,388,188 | 5,260,177 |
| Reserve | - | - | - | - | - | - | - | - | - | - |
| Total | - | 1,170,960 | 5,014,320 | 5,307,602 | 5,211,759 | 5,112,083 | 5,220,580 | 5,366,027 | 5,388,188 | 5,260,177 |
| **Functionalization** | | | | | | | | | | |
| Treatment | $ - | $ 699,081 | $ 2,993,624 | $ 3,168,717 | $ 3,111,498 | $ 3,051,990 | $ 3,116,764 | $ 3,203,598 | $ 3,216,829 | $ 3,140,404 |
| Distribution | - | 471,879 | 2,020,696 | 2,138,884 | 2,100,261 | 2,060,093 | 2,103,816 | 2,162,429 | 2,171,359 | 2,119,773 |
| Administration | - | - | - | - | - | - | - | - | - | - |
| Customer | - | - | - | - | - | - | - | - | - | - |
| **Total** | $ - | $ 1,170,960 | $ 5,014,320 | $ 5,307,602 | $ 5,211,759 | $ 5,112,083 | $ 5,220,580 | $ 5,366,027 | $ 5,388,188 | $ 5,260,177 |



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