## A picture containing text Description automatically generated **DRAFT RATE TabLES**

**Christian Valley Park Community Services District**

**Water Rate Study**

February 13, 2024

Items for Board Discussion:

1. **Treatment plant maintenance:** In FY2023/24, the water treatment plant maintenance expense was budgeted at $19,000. However, CVPCSD expects to go over-budget for maintenance due to increased costs. What level of maintenance cost should be included in the rate study?
2. **Cost of line breaks:** In FY2023/24, CVPCSD budgeted $80,000 for a water line repair. Should this be considered a one-time cost or should the rate study assume ongoing costs for line repairs?
3. **Growth/new connections:** This draft assumes one new 1” meter will connect to the District each year over the next five years. Is this appropriate?
4. **Capital improvement funding:** This draft assumes all capital improvements will be funded via rate revenues (i.e. cash – PAYGO). Is the District interested in potential options for debt funding improvements?

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| **Table 1: Current Water Rates** | | |
| **Christian Valley Park CSD** | | |
| **Water Rate Study** | | |
|  |  |  |
| **Meter Size** | **Monthly Service Charge** | **Quarterly Service Charge** |
| 3/4" | $59.79 | $179.37 |
| 1" | $99.66 | $298.98 |
| 1-1/2" | $199.32 | $597.96 |
| 2" | $318.91 | $956.73 |
| 3" | $597.95 | $1,793.85 |
| 4" | $996.58 | $2,989.74 |
|  |  |  |
| **Usage Charge per Unit (1 ccf)** | | $1.28 |
|  |  |  |
| ccf – hundred cubic feet, one ccf = 748 gallons | | |

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| **Table 2: Current Rate Revenues** | | | | | | |
| **Christian Valley Park CSD** | | | | | | |
| **Water Rate Study** | | | | | | |
|  |  |  |  |  |  |
| **Rate Categories** | **Charge** |  | **# of Units** | **Annual Revenue** |  |
|  |  |  |  |  |  |
| **Fixed Charges** | **per quarter** |  | **account** |  |  |
| Residential – 3/4" | $179.37 | x | 627 | $449,860 |  |
| Residential - 1" | $298.98 | x | 4 | $4,784 |  |
| CCC - 2" | $956.73 | x | 1 | $3,827 |  |
| Total Fixed |  |  | 632 | $458,471 | 70.47% |
|  |  |  |  |  |  |
| **Volume Rates** | **per ccf** |  | **ccf** |  |  |
| Residential Usage (ccf) | $1.28 | x | 148,364 | $189,906 |  |
| CCC Usage (ccf) | $1.28 | x | 1,715 | $2,195 |  |
| Total Volume [1] |  |  | 150,079 | $192,101 | 29.60% |
|  |  |  |  |  |  |
| **Total Rate Revenue** |  |  |  | **$650,572** |  |
|  |  |  |  |  |  |
| 1 - 2023-2024 Budget estimates water use at 171,000 ccf | | | | | | |

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| **Table 3: Number of Meter Equivalents** | | | | | |
| **Christian Valley Park CSD** | | | | | |
| **Water Rate Study** | | | | | |
|  |  |  |  |  |
| **Meter Size** | **Total** | **Flow Rate (gpm)** | **Meter Ratio** | **No. of Meter Equivalents** |
| 3/4" | 627 | 30 | 1.00 | 627 |
| 1'' | 4 | 50 | 1.67 | 7 |
| 1-1/2" | 0 | 100 | 3.33 | 0 |
| 2" | 1 | 160 | 5.33 | 5 |
| 3" | 0 | 320 | 10.67 | 0 |
| 4" | 0 | 500 | 16.67 | 0 |
| Total | 632 |  |  | 639 |

Gpm – gallons per minute maximum flow capacity

Note: table reflects existing meters. It is assumed that one new 1”

meter will connect to the District each year over the next five years.

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| **Table 4: Historical Water Use** | | | |
| **Christian Valley Park CSD** | | | |
| **Water Rate Study** | | | |
|  |  |  |  |
|  | **Residential Water Use (ccf)** | **CCC (ccf)** | **Total** |
| 2017 | 137,470 | 1,206 | 138,676 |
| 2018 | 149,522 | 1,424 | 150,946 |
| 2019 | 138,325 | 1,227 | 139,552 |
| 2020 | 162,626 | 401 | 163,027 |
| 2021 | 161,624 | 488 | 162,112 |
| 2022 | 151,744 | 1,491 | 153,235 |
| 2023\* | 148,364 | 1,715 | 150,079 |
|  |  |  |  |
| \*Estimate  Notes: In 2020 and 2021, the CCC had unusually low water use due to construction. The CCC’s storage tank is filled with ditch water for fire protection and does not take potable water from CVPCSD. | | | |

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| **Table 5: Typical** **Residential Bills** | | | |
| **Christian Valley Park CSD** | | | |
| **Water Rate Study** | | | |
|  |  |  |  |
| **Quarter** | | **Average Water Use (ccf)** | **Quarterly Bill** |
| 1 | Jan through Mar | 25 | $211.37 |
| 2 | Apr through Jun | 64 | $261.29 |
| 3 | Jul through Sep | 109 | $318.89 |
| 4 | Oct through Dec | 39 | $229.29 |
| **Annual Quarterly Average** | | 59 | $254.89 |
|  |  |  |  |

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| **Table 6: Summary of Operating Expenses FY2023/24** | | |
| **Christian Valley Park CSD** | | |
| **Water Rate Study** | | |
|  |  |
|  |  |
| **Category** | **Expense** |
| *Treatment* |  |
| Water purchases | 60,000 |
| Contract labor (water plant) | 200,750 |
| Water plant maintenance – for Board review | 19,000 |
| Short Lived Assets (Asset life is 15 years or less)[1] | 15,000 |
| Water testing / Backflow Testing | 4,500 |
| Chemicals | 40,000 |
| Electricity / Propane | 21,000 |
| Government fees | 7,000 |
| *Total Treatment* | 367,250 |
|  |  |
| *Transmission & Distribution (T&D)* |  |
| Employee salaries | 4,800 |
| Payroll taxes @ 14% | 672 |
| Water meters and boxes | 3,500 |
| Water line repair | 80,000 |
| *Total Transmission & Distribution* | 88,972 |
|  |  |
| *General & Administration* |  |
| Employee salaries | 60,380 |
| Payroll taxes @ 14% | 8,453 |
| Office expense | 25,000 |
| Insurance | 13,000 |
| Accounting | 15,000 |
| Legal | 7,000 |
| Directors fees | 9,000 |
| *Total General & Administration* | 137,833 |
|  |  |
| **Total FY2023/24 Operations** | **$594,055** |
|  |  |

1 – required by USDA loan

|  |  |  |  |
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| **Table 7: Billing Periods and Revenue Collection for FY2024/25** | | | |
| **Christian Valley Park CSD** | | | |
| **Water Rate Study** | | | |
| **Usage Dates** | **Rate Year** | **Bill Date** | **Revenue Collected** | |
| Jul-Sept 2024 | FY2025 | Oct 2024 | FY2025 | |
| Oct-Dec 2024 | FY2025 | Jan 2025 | FY2025 | |
| Jan-Mar 2025 | FY2025 | Apr 2025 | FY2025 | |
| April-June 2025 | FY2025 | July 2025 | FY2026 | |

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| **Table 8: Cash Flow Projection** |  |  |  |  |  |  | |
| **Christian Valley Park CSD** | | | | | | |  | |
| **Water Rate Study** |  |  |  |  |  |  | |
|  |  |  |  |  |  |  | |
|  | **Budget** | **Years 1 -5: Proposition 218** | | | | | |
|  | **FY2023/24** | **FY2024/25** | **FY2025/26** | **FY2026/27** | **FY2027/28** | **FY2028/29** | |
| Rate Revenue Increase |  | 15.0% | 3.0% | 3.0% | 3.0% | 3.0% | |
| Rate Increase Effective |  | July 1 | July 1 | July 1 | July 1 | July 1 | |
|  |  |  |  |  |  |  | |
| **BEGINNING FUND BALANCE [1]** | $795,000 | $714,600 | $723,600 | $758,600 | $778,600 | $803,600 | |
|  |  |  |  |  |  |  | |
| Revenues based on 4 quarters at new rates | 650,600 | 748,000 | 770,000 | 793,000 | 817,000 | 842,000 | |
|  |  |  |  |  |  |  | |
| **REVENUES** |  |  |  |  |  |  | |
| *Operating Revenues* |  |  |  |  |  |  | |
| Water Service Revenues [2] | 650,600 | 724,000 | 765,000 | 787,000 | 811,000 | 836,000 | |
| Hook-Up Fees (1 new/yr) | 16,000 | 8,000 | 8,000 | 8,000 | 8,000 | 8,000 | |
| Standby Fees | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | |
| Gayle Loop Property Tax Income | 45,000 | 45,000 | 45,000 | 45,000 | 45,000 | 45,000 | |
| Interest | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | |
| **Total Revenues** | 717,600 | 783,000 | 824,000 | 846,000 | 870,000 | 895,000 | |
|  |  |  |  |  |  |  | |
| **EXPENSES** |  |  |  |  |  |  | |
| *Operating Expenses [3]* |  |  |  |  |  |  | |
| Water Treatment Expenses | 367,000 | 378,000 | 389,000 | 401,000 | 413,000 | 425,000 | |
| Transmission & Dist Expenses [4] | 89,000 | 20,000 | 21,000 | 22,000 | 23,000 | 24,000 | |
| General & Admin Expenses [5] | 138,000 | 142,000 | 146,000 | 150,000 | 155,000 | 160,000 | |
| Subtotal O&M | 594,000 | 540,000 | 556,000 | 573,000 | 591,000 | 609,000 | |
|  |  |  |  |  |  |  | |
| **Net Operating Revenues** | 123,600 | 243,000 | 268,000 | 273,000 | 279,000 | 286,000 | |
|  |  |  |  |  |  |  | |
| *Debt Service* |  |  |  |  |  |  | |
| USDA Loan | 134,000 | 135,000 | 134,000 | 134,000 | 135,000 | 134,000 | |
| Water Revenue Bonds (Gayle Loop) | 45,000 | 45,000 | 45,000 | 45,000 | 45,000 | 45,000 | |
| Subtotal Debt Service | 179,000 | 180,000 | 179,000 | 179,000 | 180,000 | 179,000 | |
|  |  |  |  |  |  |  | |
| *Capital Projects – High Priority* |  |  |  |  |  |  | |
| Engineering & Prof. Services | 0 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |
| Media Replacement Filters | 0 | 0 | 0 | 20,000 | 20,000 | 0 | |
| Valve Replacements | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 0 | |
| USDA Loan Reserve [6] | 0 | 14,000 | 14,000 | 14,000 | 14,000 | 14,000 | |
| Subtotal Capital Projects | 25,000 | 54,000 | 54,000 | 74,000 | 74,000 | 29,000 | |
|  |  |  |  |  |  |  | |
| **Total Expenses** | 798,000 | 774,000 | 789,000 | 826,000 | 845,000 | 817,000 | |
|  |  |  |  |  |  |  | |
| **Total Net Revenues** | (80,400) | 9,000 | 35,000 | 20,000 | 25,000 | 78,000 | |
|  |  |  |  |  |  |  | |
| **ENDING FUND BALANCE** | 714,600 | 723,600 | 758,600 | 778,600 | 803,600 | 881,600 | |
|  |  |  |  |  |  |  | |

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Budget** | **Years 1 -5: Proposition 218** | | | | | |
|  | **FY2023/24** | **FY2024/25** | **FY2025/26** | **FY2026/27** | **FY2027/28** | **FY2028/29** | |
|  |  |  |  |  |  |  | |
| *Reserve Fund Targets* |  |  |  |  |  |  | |
| Capital Improvement Reserve [7] |  | 150,000 | 150,000 | 150,000 | 150,000 | 150,000 | |
| Operating Reserve [8] |  | 270,000 | 278,000 | 286,500 | 295,500 | 304,500 | |
| Total Non-restricted Reserve |  | 420,000 | 428,000 | 436,500 | 445,500 | 454,500 | |
| *Reserve Target Met?* |  | *yes* | *yes* | *yes* | *yes* | *yes* | |
|  |  |  |  |  |  |  | |
| Debt Coverage (Target - 1.25x) [9] | 0.69 | 1.35 | 1.50 | 1.53 | 1.55 | 1.60 | |
| *Target Met?* | *no* | yes | yes | *yes* | *yes* | *yes* | |
|  |  |  |  |  |  |  | |
| Restricted Reserves Ending Balance |  |  |  |  |  |  | |
| Gayle Loop Debt Service | 44,100 | 44,100 | 44,100 | 44,100 | 44,100 | 44,100 | |
| USDA Loan Debt Service | 0 | 14,000 | 28,000 | 42,000 | 56,000 | 70,000 | |
| Total Restricted Reserve | 44,100 | 58,100 | 72,100 | 86,100 | 100,100 | 114,100 | |
|  |  |  |  |  |  |  | |
| 1 - Does not include $44,000 of restricted debt service reserve for the Gayle Loop revenue bonds | | | | | | | | |
| 2 - Reflects 3 billing periods at the proposed rate and one billing period at the prior fiscal year's rate | | | | | | |  | |
| 3 - Most FY2023/24 Expenses from FY2023/24 adopted Budget escalated by 3%/year. | | | | | | | | |
| 4 - FY2023/24 Budget includes $80,000 of main line repairs which is not typical. $10,000 per year plus inflation is assumed through FY2028/29 | | | | | | | | |
| 5 - Does not include depreciation (a non-cash expense) | | | | | | |  | |
| 6 - The District is obligated to set aside 1/10th of its annual USDA debt service payment each year for the next ten years into a restricted reserve  7 - Cost of emergency repairs such as a main line break ($100,000) plus engineering costs | | | | | | |  | |
| 8 - Target is 6 months of operating expenses | | | | | | | | |
| 9 - Net operating revenues divided by total debt service | | | | | | | | |

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| **Table 9: Capital Funding PAYGO Options** | | | |  |  |  | |
| **Christian Valley Park CSD** | | |  |  |  |  |
| **Water Rate Study** | |  |  |  |  |  | |
|  |  |  |  |  |  |  | |
| **Option** | | **Revenue Increase** |  | **Additional Revenue Collected Annually** | **Total Rate Revenue** | **Description** | |
| Existing Rate Revenue (FY2023/24) | |  |  |  | $650,600 | Slight deficit in FY2023/24 due to $80,000 main break | |
| 1 | O&M and High Priority Capital | 15.0% |  | $97,000 | $748,000 | Covers operations, debt service, required debt service reserve funding, and high priority capital (media filters and valves) | |
| **Option** | | **Additional Rate Increase Above Option 1** | **Total Rate Increase w/Option 1** | **Additional Revenue Collected Annually Above Option 1** | **Total Rate Revenue** | **Description** | |
| 2 | Gradually build-up capital funds | 7.7% | 22.7% | $50,000 | $798,000 | $250,000 accumulated over 5 years | |
| 3 | Cash fund $0.5M of projects | 15.4% | 30.3% | $100,000 | $848,000 | 1/2 fund steel pipe replacements at $100k/year over 5 years | |
| 4 | Cash fund $1M of projects | 30.7% | 45.7% | $200,000 | $948,000 | Fully fund steel pipe replacements at $200k/year over 5 years | |
|  |  |  |  |  |  |  | |

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| **Table 10: Cost Allocation** | | | | | |  | |
| **Christian Valley Park CSD** | | | | | |  | |
| **Water Rate Study** | | | | | |  | |
|  |  |  |  |  |  | |
| **Expense** |  | **FIXED CHARGES** | | **CONSUMPTION CHARGES** | **Total** | |
| **FY2024/25  Budget** | **Meters & Services** | **Customer Service** | **Base & Extra** |
|  |  |  |  |  |  | |
| **Operating Expenses** |  |  |  |  |  | |
| Water Treatment Expenses [1] | $378,000 | 40.4% | 0.0% | 59.6% | 100% | |
| Transmission & Dist Expenses | $20,000 | 100.0% | 0.0% | 0.0% | 100% | |
| General & Admin Expenses [2] | $142,000 | 81.9% | 18.1% | 0.0% | 100% | |
| Total Operating Expenses | $540,000 | $288,929 | $25,756 | $225,315 |  | |
| *% of Total* | *100.0%* | *53.5%* | *4.8%* | *41.7%* |  | |
|  |  |  |  |  |  | |
| **Non-Operating Expenses [3]** |  |  |  |  |  | |
| USDA Loan Debt Service | $135,000 | 100.0% | 0.0% | 0.0% | 100% | |
| Capital Expenses (5-Year Average) | $57,000 | 100.0% | 0.0% | 0.0% | 100% | |
| Subtotal Non-Operating Expenses | $192,000 | $192,000 | $0 | $0 |  | |
|  |  |  |  |  |  | |
| Total Expenses | $732,000 | $480,929 | $25,756 | $225,315 | $732,000 | |
|  |  |  |  |  |  | |
| **Total Allocation %** |  | **65.7%** | **3.5%** | **30.8%** | **100.0%** | |
|  |  |  |  |  |  | |
| 1 - Water purchases, chemicals, electricity/propane, and 50% of contract labor is allocated to *Base & Extra.* All other water treatment costs are allocated to *Meters & Services*.  2 - Office expenses are allocated to *Customer Service.*  3 - Does not include the Gayle Loop debt service as that cost is paid via a direct charge and is not funded by the general body of ratepayers | | | | | | | |

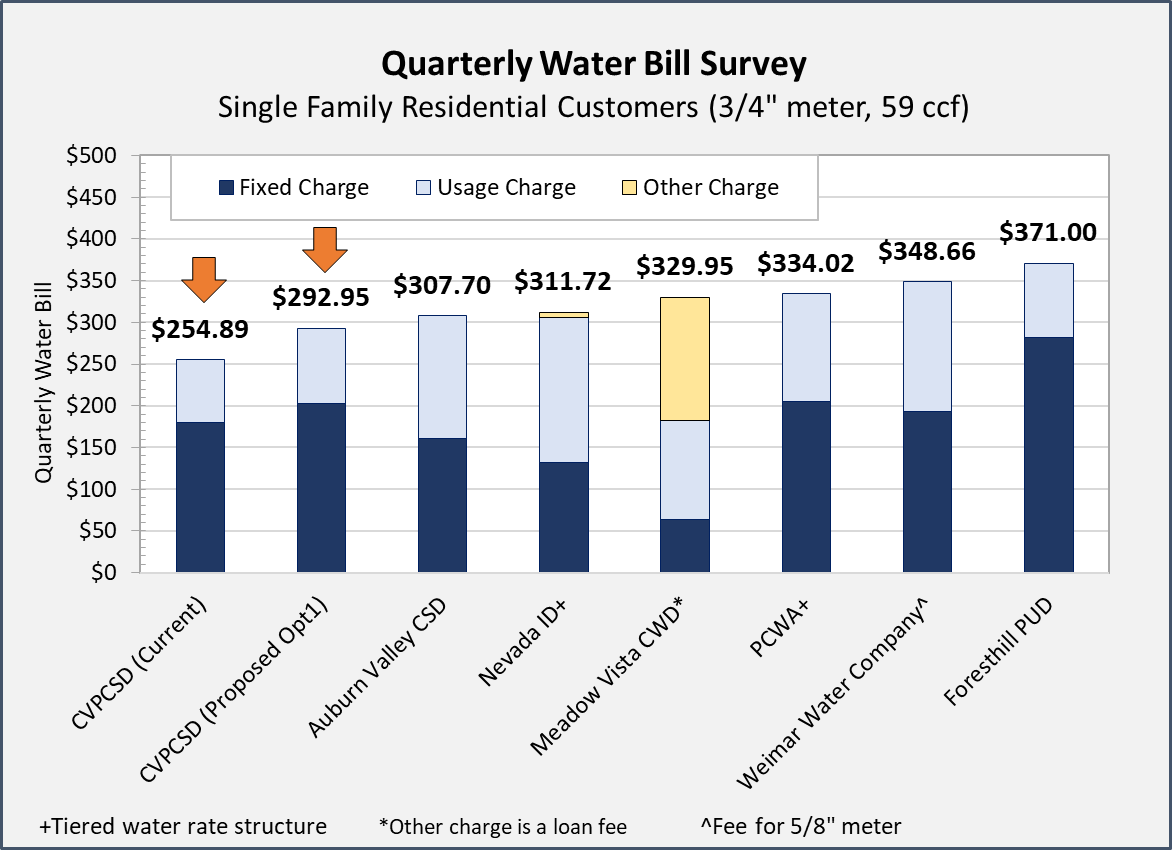
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| **Table 11: Revenue Requirement Allocation** | | | | | |  | |  |
| **Christian Valley Park CSD** | | | | | |  | |  |
| **Water Rate Study** | | | | | |  | |  |
|  |  |  |  |  |  | |  | |
|  | **Cost Allocation %** | **PROJECTED - RATE STUDY PERIOD** | | | | | | |
|  | **FY2024/25** | **FY2025/26** | **FY2026/27** | **FY2027/28** | | **FY2028/29** | |
|  |  |  |  |  |  | |  | |
| **Total Revenue Requirement [1]** | | $748,000 | $770,000 | $793,000 | $817,000 | | $842,000 | |
|  |  |  |  |  |  | |  | |
|  |  |  |  |  |  | |  | |
| **FIXED CHARGES** |  |  |  |  |  | |  | |
| Meters & Services | 65.7% | $491,441 | $505,896 | $521,007 | $536,775 | | $553,200 | |
| Cust. Service Charge | 3.5% | $26,319 | $27,093 | $27,902 | $28,747 | | $29,626 | |
| Total Fixed Charges | 69.2% | $517,760 | $532,989 | $548,909 | $565,522 | | $582,826 | |
|  |  |  |  |  |  | |  | |
| **CONSUMPTION CHARGES** |  |  |  |  |  | |  | |
| Base & Extra | 30.8% | $230,240 | $237,011 | $244,091 | $251,478 | | $259,174 | |
|  |  |  |  |  |  | |  | |
|  |  |  |  |  |  | |  | |
| **TOTAL** | 100.0% | $748,000 | $770,000 | $793,000 | $817,000 | | $842,000 | |
|  |  |  |  |  |  | |  | |
| 1 - 4 Billing Periods at new rate | | | | | | | | |

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| **Table 12: Rate Calculations** | | | | |  |  |
| **Christian Valley Park CSD** | | | | |  |  |
| **Water Rate Study** | | | | |  |  |
|  |  |  |  |  |  |  |
|  |  | **PROJECTED - RATE STUDY PERIOD** | | | | |
|  | **FY2024/25** | **FY2025/26** | **FY2026/27** | **FY2027/28** | **FY2028/29** |
|  |  |  |  |  |  |  |
| **REVENUE REQUIREMENT** |  |  |  |  |  |  |
| Meters & Services |  | $491,441 | $505,896 | $521,007 | $536,775 | $553,200 |
| Customer Service Charge |  | $26,319 | $27,093 | $27,902 | $28,747 | $29,626 |
| Total Fixed Charge Revenue | | $517,760 | $532,989 | $548,909 | $565,522 | $582,826 |
|  |  |  |  |  |  |  |
| **METER EQUIVALENT CHARGE** | | | | | | |
|  |  |  |  |  |  |  |
| Total Meter Equivalent Charge Revenue | | $491,441 | $505,896 | $521,007 | $536,775 | $553,200 |
| Total Number of Meter Equivalents [1] | | 639.0 | 640.7 | 642.3 | 644.0 | 645.7 |
| Total Meter Equivalent Charge | | $192.27 | $197.41 | $202.78 | $208.38 | $214.20 |
|  |  |  |  |  |  |  |
| Meter Equivalent Charge  by Meter Size | Meter Ratio |  |  |  |  |  |
| 3/4" | 1.00 | $192.27 | $197.41 | $202.78 | $208.38 | $214.20 |
| 1" | 1.67 | $320.45 | $329.02 | $337.96 | $347.29 | $357.00 |
| 1-1/2" | 3.33 | $640.90 | $658.03 | $675.93 | $694.58 | $713.99 |
| 2" | 5.33 | $1,025.44 | $1,052.85 | $1,081.49 | $1,111.34 | $1,142.39 |
| 3" | 10.67 | $2,050.88 | $2,105.71 | $2,162.98 | $2,222.67 | $2,284.77 |
| 4" | 16.67 | $3,204.50 | $3,290.16 | $3,379.65 | $3,472.92 | $3,569.95 |
|  |  |  |  |  |  |  |
| **CUSTOMER SERVICE CHARGE** | | | | | | |
|  |  |  |  |  |  |  |
| Total Customer Service Revenue | | $26,319 | $27,093 | $27,902 | $28,747 | $29,626 |
| Total Number of Meters [1] | | 632 | 633 | 634 | 635 | 636 |
| Total Cust. Service Charge per Account | | $10.41 | $10.70 | $11.00 | $11.32 | $11.65 |
|  |  |  |  |  |  |  |
| **TOTAL QUARTERLY FIXED CHARGE [2]** | | | | | | |
| Meter Size |  |  |  |  |  |  |
| 3/4" |  | $202.68 | $208.11 | $213.78 | $219.70 | $225.85 |
| 1" |  | $330.86 | $339.72 | $348.96 | $358.61 | $368.65 |
| 1-1/2" |  | $651.31 | $668.73 | $686.93 | $705.90 | $725.64 |
| 2" |  | $1,035.85 | $1,063.55 | $1,092.49 | $1,122.66 | $1,154.04 |
| 3" |  | $2,061.29 | $2,116.41 | $2,173.98 | $2,233.99 | $2,296.42 |
| 4" |  | $3,214.91 | $3,300.86 | $3,390.65 | $3,484.24 | $3,581.60 |
|  |  |  |  |  |  |  |
| **CONSUMPTION CHARGE** | | | | | | |
|  |  |  |  |  |  |  |
| Total Consumption Charge Revenue | | $230,240 | $237,011 | $244,091 | $251,478 | $259,174 |
| Total Usage (ccf) [1] |  | 150,315 | 150,552 | 150,789 | 151,026 | 151,263 |
| Total Usage Charge ($/ccf) |  | $1.53 | $1.57 | $1.62 | $1.67 | $1.71 |
|  |  |  |  |  |  |  |
| 1 - Projection assumes one new customer per year with a 1" meter (1.67 meter equivalents) and 236 ccf of annual usage. | | | | | | |
| 2 - Total Quarterly Fixed Charge is the sum of the "Meter Equivalent Charge" by meter size plus the "Total Customer Service Charge per Account" | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| **Table 13: Proposed Quarterly Rates** | | | | | |  |
| **Christian Valley Park CSD** | | | | | |  |
| **Water Rate Study** | | | | | |  |
|  |  |  |  |  |  |  |
| **Meter Size** | **Current** | **PROJECTED - RATE STUDY PERIOD** | | | | |
| **FY2024/25** | **FY2025/26** | **FY2026/27** | **FY2027/28** | **FY2028/29** |
| 3/4" | $179.37 | $202.68 | $208.11 | $213.78 | $219.70 | $225.85 |
| 1" | $298.98 | $330.86 | $339.72 | $348.96 | $358.61 | $368.65 |
| 1-1/2" | $597.96 | $651.31 | $668.73 | $686.93 | $705.90 | $725.64 |
| 2" | $956.73 | $1,035.85 | $1,063.55 | $1,092.49 | $1,122.66 | $1,154.04 |
| 3" | $1,793.85 | $2,061.29 | $2,116.41 | $2,173.98 | $2,233.99 | $2,296.42 |
| 4" | $2,989.74 | $3,214.91 | $3,300.86 | $3,390.65 | $3,484.24 | $3,581.60 |
|  |  |  |  |  |  |  |
| **Capital Improvement Fee** | |  |  |  |  |  |
| Option 2 - Gradually accumulate capital funds ($0.25M over 5 years) | | | | | | |
| 3/4" |  | $19.56 | $19.56 | $19.56 | $19.56 | $19.56 |
| 1" |  | $32.60 | $32.60 | $32.60 | $32.60 | $32.60 |
| 2" |  | $104.33 | $104.33 | $104.33 | $104.33 | $104.33 |
|  |  |  |  |  |  |  |
| Option 3 - Cash fund $0.5M of projects over 5 years | | | | | | |
| 3/4" |  | $39.12 | $39.12 | $39.12 | $39.12 | $39.12 |
| 1" |  | $65.21 | $65.21 | $65.21 | $65.21 | $65.21 |
| 2" |  | $208.66 | $208.66 | $208.66 | $208.66 | $208.66 |
|  |  |  |  |  |  |  |
| Option 4 - Cash fund $1M of projects over 5 years | | | | | | |
| 3/4" |  | $78.25 | $78.25 | $78.25 | $78.25 | $78.25 |
| 1" |  | $130.41 | $130.41 | $130.41 | $130.41 | $130.41 |
| 2" |  | $417.32 | $417.32 | $417.32 | $417.32 | $417.32 |
|  |  |  |  |  |  |  |
| **Usage Charge** |  |  |  |  |  |  |
| $ per ccf | $1.28 | $1.53 | $1.57 | $1.62 | $1.67 | $1.71 |
|  |  |  |  |  |  |  |

ccf – hundred cubic feet, one ccf = 748 gallons

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  | |
| **Table 14: Quarterly Bill Impacts – Option 1** | | | | | |  |  |  |  | |
| **Christian Valley Park CSD** | | | | | |  |  |  |  | |
| **Water Rate Study** | | | | | |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  | |
| **TYPICAL WINTER BILL** | | | | | | | | | |
|  | **Current** | | | | **Proposed** | | | | | |
| Rate Categories | Rate |  | # of Units | Total Charges | Rate |  | # of Units | Total Charges |  | |
| Fixed Charge - 3/4" | $179.37 | x | 1 | $179.37 | $202.68 | x | 1 | $202.68 |  | |
| Usage Charge (ccf) | $1.28 | x | 25 | $32.00 | $1.53 | x | 25 | $38.25 | Increase | |
| Total Quarterly Bill |  |  |  | $211.37 |  |  |  | $240.93 | $29.56 | |
|  |  |  |  |  |  |  |  |  | 14.0% | |
| **AVERAGE QUARTERLY BILL** | | | | | | | | | |
|  | **Current** | | | | **Proposed** | | | | | |
| Rate Categories | Rate |  | # of Units | Total Charges | Rate |  | # of Units | Total Charges |  | |
| Fixed Charge - 3/4" | $179.37 | x | 1 | $179.37 | $202.68 | x | 1 | $202.68 |  | |
| Usage Charge (ccf) | $1.28 | x | 59 | $75.52 | $1.53 | x | 59 | $90.27 | Increase | |
| Total Quarterly Bill |  |  |  | $254.89 |  |  |  | $292.95 | $38.06 | |
|  |  |  |  |  |  |  |  |  | 14.9% | |
| **TYPICAL SUMMER BILL** | | | | | | | | | |
|  | **Current** | | | | **Proposed** | | | | | |
| Rate Categories | Rate |  | # of Units | Total Charges | Rate |  | # of Units | Total Charges |  | |
| Fixed Charge - 3/4" | $179.37 | x | 1 | $179.37 | $202.68 | x | 1 | $202.68 |  | |
| Usage Charge (ccf) | $1.28 | x | 109 | $139.52 | $1.53 | x | 109 | $166.77 | Increase | |
| Total Quarterly Bill |  |  |  | $318.89 |  |  |  | $369.45 | $50.56 | |
|  |  |  |  |  |  |  |  |  | 15.9% | |



Note: the City of Auburn is served by the Placer County Water Agency

|  |  |
| --- | --- |
|  |  |
| **Table 15: Connection (Hook-Up) Fee Survey** | |
| **Christian Valley Park CSD** |  |
| **Water Rate Study** |  |
|  |  |
| **Agency** | **Fee for smallest meter size or single family dwelling** |
| CVPCSD (Current) [1] | $8,036 |
| Foresthill PUD | $10,534 |
| Nevada Irrigation District | $12,351 |
| PCWA Upper Zone 6 | $16,065 |
| Meadow Vista CWD | $19,575 |
| PCWA Lower Zone 6 | $22,805 |
|  |  |
| 1 – Additional water line, pump station, permitting, and other costs may apply  PCWA Upper Zone 6 - Applegate, Colfax, Monte Vista, & Alta | |
| PCWA Lower Zone 6 - Foothill/Sunset/Ophir & Auburn/Bowman | |