

# City of Dodgeville, WI 2025 Utilities Financial Management Plan

July 1, 2025 Council Meeting

# Why are we here?

- Analyze the impact of planned capital projects on the water (8.28M) & sewer (5.11M) utilities
- Ehlers to identify fiscal sustainability
- Our Process
  - ✓ Historical Rate and Financial Performance; PSC Education
  - ✓ Future Projections
    - ➤ O&M, Depreciation, and PILOT
    - > Funding Project(s): Debt vs. Cash
  - ✓ Rate Impact



## **PSC Windows of Opportunity to Adjust Rates**

# Simplified Rate Case ("SRC")

- Once a year and only if eligible
- Eligibility based on time and finances
  - The cumulative rate increase of all SRCs since the last conventional rate case must not exceed 40 percent.
  - Finances: if PSC report indicates that year's SRC rate would not take utility over benchmark ROR

# Conventional Rate Case ("CRC")

- Eligible whenever
- PSC will generally want their math



# Water Rates Historical Implementation

• Last Conventional Rate Case (CRC) completed June 22, 2023 with second step implemented January 16, 2025 to recover:

√ O&M and Taxes: 754,357

✓ Deprecation: 314,980

✓ ROR: 600,432

 Simplified Rate Case (SRC) window of opportunity: until 40% cumulative adjustments, then PSC would force CRC



## **PSC Math Review**

How much revenue should we generate from user rates?

## Cash Basis

- + Op. and Maint. Expenses
- + Taxes/Transfer Payments
- + Debt Service (P&I)
- + Capital funded from rates
- Less Non-rate Revenue
- = Total Revenue Requirements

## **Utility Basis - PSC**

- + Op. and Maint. Expenses
- + Taxes/Transfer Payments
- + Depreciation
- + Rate of Return on Rate Base
- Less Non-Rate Revenue
- = Total Revenue Requirements



## Water: Historical Rate Performance

|                  |  | Shown w     | ith no incre | ease        |             |             |              |
|------------------|--|-------------|--------------|-------------|-------------|-------------|--------------|
| Reve             | enue Requirement                                 |             |              |             |             | Est         | Budget       |
| Component        | t Description                                    | 2020        | 2021         | 2022        | 2023        | 2024        | 2025         |
| Cash Basis       |  |             |              |             |             |             |              |
| 1                | O&M and PILOT                                    | \$674,633   | \$776,449    | \$762,256   | \$718,963   | \$800,588   | \$823,500    |
| 2                | Debt   | \$218,357   | \$146,349    | \$22,816    | \$36,790    | \$121,985   | \$191,791    |
| 3                | Cash Funded Capital                              | \$600,315   | \$422,528    | \$937,529   | \$18,068    | \$48,794    | \$76,717     |
|                  | Less:  |             |              |             |             |             |              |
|                  | Other Revenue                                    | \$24,385    | \$29,885     | \$31,663    | \$31,780    | \$34,337    | \$34,000     |
|                  | Interest Income                                  | \$1,031     | \$128        | \$2,403     | \$65        | \$3,500     | \$5,000      |
|                  | Revenue Requirement                              | \$1,467,889 | \$1,315,313  | \$1,688,535 | \$741,976   | \$933,530   | \$1,053,008  |
|                  | (Costs less Other Income)                        |             |              |             |             |             |              |
|                  | User Rates Revenue                               | \$1,029,000 | \$1,061,929  | \$1,068,550 | \$1,217,496 | \$1,424,867 | \$1,610,000  |
|                  | Rate Adequacy                                    | (\$438,889) | (\$253,384)  | (\$619,985) | \$475,520   | \$491,337   | \$556,992    |
|                  | Rate Adjustment Needed                           | 42.65%      | 23.86%       | 58.02%      | 0.00%       | 0.00%       | 0.00%        |
| Utility Basis (F | PSC)   |             |              |             |             |             |              |
| 1                | O&M and PILOT                                    | \$674,633   | \$776,449    | \$762,256   | \$718,963   | \$800,588   | \$823,500    |
| 2                | Depreciation                                     | \$193,178   | \$202,028    | \$216,765   | \$229,513   | \$263,211   | \$327,596    |
|                  | NIRB   | \$6,148,956 | \$6,518,835  | \$7,070,589 | \$7,585,857 | \$8,705,105 | \$10,292,685 |
|                  | PSC Benchmark ROI %                              | 4.90%       | 4.90%        | 4.90%       | 6.50%       | 6.50%       | 6.20%        |
| 3                | PSC Calculated ROI                               | \$301,299   | \$319,423    | \$346,459   | \$493,081   | \$565,832   | \$638,146    |
|                  | Less:  |             |              |             |             |             |              |
|                  | Other Revenue                                    | \$24,385    | \$29,885     | \$31,663    | \$31,780    | \$34,337    | \$34,000     |
|                  | Revenue Requirement<br>(Costs less Other Income) | \$1,144,725 | \$1,268,015  | \$1,293,817 | \$1,409,777 | \$1,595,294 | \$1,755,242  |
|                  | User Rates Revenue                               | \$1,029,000 | \$1,061,929  | \$1,068,550 | \$1,217,496 | \$1,424,867 | \$1,610,000  |
|                  | Rate Adequacy                                    | (\$115,725) | (\$206,086)  | (\$225,267) | (\$192,281) | (\$170,427) | (\$145,242)  |
|                  | Rate Adjustment Needed                           | 11.25%      | 19.41%       | 21.08%      | 15.79%      | 11.96%      | 9.02%        |

Rates performing on a cash basis

and not on utility basis (PSC uses)

Let's investigate the history further....

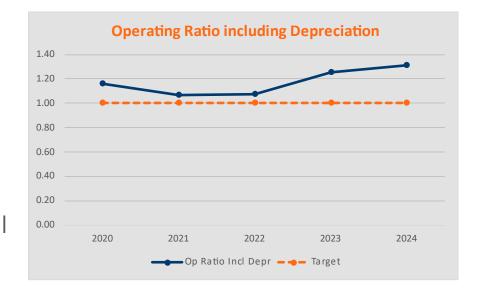
#### Notes:

Alncludes recommended debt coverage at 1.4x annual debt payment

## Water: Historical Financial Indicators



 Reserves to fund deficits and capital (5 mo. Target) Concerns of aging system





## Water Rate Option 1 - Do Nothing

- Do nothing approach would eliminate any rate adjustments, but it would also increase amount needed to adjust rates to meet PSC Benchmark in the future compounding approx. 5.9% annually 2026-2034. The longer you wait the more impactful the PSC would cause the magnitude of a one-time adjustment.
- (Depicted on next slide) The Utility drain reserves by 2034

|  | Budget     |            |            |            |            | Projected  |            |            |            |            |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|  | 2025       | 2026       | 2027       | 2028       | 2029       | 2030       | 2031       | 2032       | 2033       | 2034       |
| Rate of Return                               |            |            |            |            |            |            |            |            |            |            |
| Average Utility Plant in Service             | 13,831,075 | 14,488,575 | 15,133,575 | 15,801,075 | 17,456,075 | 19,118,575 | 19,697,950 | 20,339,825 | 20,924,825 | 21,434,825 |
| Plus: Materials and Supplies                 | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     |
| Less: Avg. Utility Plant Accum. Depreciation | 3,563,713  | 3,843,300  | 4,047,142  | 4,269,583  | 4,282,150  | 4,354,378  | 4,745,702  | 5,143,685  | 5,579,012  | 6,053,880  |
| Less: Regulatory Liability                   | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
| Average Net Investment Rate Base (NIRB)      | 10,292,685 | 10,670,598 | 11,111,756 | 11,556,814 | 13,199,247 | 14,789,520 | 14,977,570 | 15,221,462 | 15,371,135 | 15,406,268 |
| Net Operating Income                         | 492,904    | 442,222    | 395,265    | 343,163    | 269,127    | 166,388    | 117,169    | 64,831     | 12,209     | (37,226)   |
| ROR  | 4.79%      | 4.14%      | 3.56%      | 2.97%      | 2.04%      | 1.13%      | 0.78%      | 0.43%      | 0.08%      | -0.24%     |
| PSC Projected Benchmark                      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      |
| Rate Adj. to Benchmark                       | 9.02%      | 13.62%     | 18.24%     | 23.19%     | 34.11%     | 46.62%     | 50.40%     | 54.59%     | 58.43%     | 61.64%     |

# Water: Future Projection - Do Nothing

\$1,651,828

\$672,282

\$201,031

\$778.516

\$191.747

\$92,119

\$283.866

\$800,000

\$750,000

\$444.650

\$1,428,979

\$1.873.629

\$444.650

2.74

795

\$0

\$1,649,000

\$634,009

\$189,491

\$825,500

\$191.791

\$191,791

\$883,288

\$955,000

\$698,094

\$705,421

4.30

648

\$1,403,515

\$705,421

\$0

\$0

\$1,647,849

\$652,864

\$195,176

\$799.809

\$191.770

\$92,575

\$284,345

\$490,000

\$25,464

\$1,403,515

\$1,428,979

\$25,464

2.81

590

\$0

\$0

Total Revenues

Less: Expenses

PILOT Payment

Debt Service Existing Debt P&I

Total Debt Service

Transfer In (Out)

Debt Proceeds

Operating and Maintenance<sup>2</sup>

Less: Capital Improvements

**Net Annual Cash Flow** 

Balance at first of year

Balance at end of year

PSC Davs Cash on Hand

"All-in" Debt Coverage

Net Before Debt Service and Capital Expenditures

New (2025-2034) Debt Service P&I

Restricted and Unrestricted Cash Balance:

Net Annual Cash Flow Addition/(subtraction)

Assumes 3.00% annual inflation beyond budget year.

Assumes no changes in customer count or usage beyond Test Year.

| VVacciii   | acare            |                        |                        |                        |                        |                        |                        | 9                      |                        |                        |
|--|------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|  | Budget           |                        |                        |                        |                        |                        |                        |                        |                        |                        |
|  | 2025             | 2026                   | 2027                   | 2028                   | 2029                   | 2030                   | 2031                   | 2032                   | 2033                   | 2034                   |
| Revenues<br>Total Revenues from User Rates <sup>1</sup>  | \$1,610,000      | \$1,610,000            | \$1,610,000            | \$1,610,000            | \$1,610,000            | \$1,610,000            | \$1,610,000            | \$1,610,000            | \$1,610,000            | \$1,610,000            |
| Percent Increase to User Rates<br>Cumulative Percent Rate Increase<br>Dollar Amount Increase to Revenues | 22.10%<br>22.10% | 0.00%<br>22.10%<br>\$0 |
| Total Other Revenues   | \$39,000         | \$37,849               | \$41,828               | \$44,398               | \$44,198               | \$46,552               | \$45,143               | \$43,307               | \$51,932               | \$48,076               |

\$1,654,398

\$692,278

\$207,062

\$755.058

\$191.724

\$138,551

\$330,275

\$535,000

(\$110.217)

\$1,873,629

-\$110.217

\$1.763.412

Legend:

2.29

680

\$0

\$0

\$1,654,198

\$712.872

\$213,274

\$728.052

\$191.701

\$136,188

\$327,889

\$2,775,000

\$2,775,000

\$1,763,412

\$2,163,575

\$400.163

2.22

839

Conventional (Full) Rate Case

\$400,163

\$0

\$1,656,552

\$734.079

\$219,672

\$702.801

\$191.677

\$314,366

\$506,043

\$550,000

(\$353,242)

\$2,163,575

\$1,810,333

Simplified Rate Case (projected eligibility)

-\$353.242

1.39

542

\$0

\$0

\$1,655,143

\$755,919

\$226,262

\$672.962

\$191,653

\$312,004

\$503,656

\$608,750

(\$439,444)

\$1,810,333

\$1,370,889

-\$439,444

1.34

381

\$0

\$1,653,307

\$778,411

\$233,050

\$641.846

\$191.628

\$309,641

\$501.269

\$675,000

\$675,000

\$140,577

\$1,370,889

\$1,511,466

\$140.577

1.28

422

\$0

\$1,661,932

\$801.573

\$240.042

\$620.317

\$191,602

\$356,063

\$547,665

\$495,000

(\$422,348)

\$1,511,466

\$1,089,118

-\$422.348

1.13

259

\$0

\$0

\$1,658,076

\$825,427

\$247,243

\$585,406

\$141.524

\$353,438

\$494,962

\$525,000

(\$434.555)

\$1,089,118

-\$434.555

\$654,563

1.18

117

\$0

\$0

## Water Rate Option 2 - SRCs

- This approach would mitigate exposure to the amount needed to adjust rates to meet PSC Benchmark in the future by approx. 20% during the planning period, under the same assumptions for both scenarios.
- (Depicted on next slide) Healthier financial sustainability than Option 1

|  | Budget     |            |            |            |            | Projected  |            |            |            |            |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|  | 2025       | 2026       | 2027       | 2028       | 2029       | 2030       | 2031       | 2032       | 2033       | 2034       |
| Rate of Return                               |            |            |            |            |            |            |            |            |            |            |
| Average Utility Plant in Service             | 13,831,075 | 14,488,575 | 15,133,575 | 15,801,075 | 17,456,075 | 19,118,575 | 19,697,950 | 20,339,825 | 20,924,825 | 21,434,825 |
| Plus: Materials and Supplies                 | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     | 25,323     |
| Less: Avg. Utility Plant Accum. Depreciation | 3,563,713  | 3,843,300  | 4,047,142  | 4,269,583  | 4,282,150  | 4,354,378  | 4,745,702  | 5,143,685  | 5,579,012  | 6,053,880  |
| Less: Regulatory Liability                   | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
| Average Net Investment Rate Base (NIRB)      | 10,292,685 | 10,670,598 | 11,111,756 | 11,556,814 | 13,199,247 | 14,789,520 | 14,977,570 | 15,221,462 | 15,371,135 | 15,406,268 |
| Net Operating Income                         | 492,904    | 442,222    | 443,565    | 391,463    | 367,176    | 264,437    | 266,459    | 214,121    | 214,278    | 164,843    |
| ROR  | 4.79%      | 4.14%      | 3.99%      | 3.39%      | 2.78%      | 1.79%      | 1.78%      | 1.41%      | 1.39%      | 1.07%      |
| PSC Projected Benchmark                      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      | 6.20%      |
| Rate Adj. to Benchmark                       | 9.02%      | 13.62%     | 14.80%     | 19.60%     | 26.41%     | 38.20%     | 37.64%     | 41.47%     | 40.77%     | 43.62%     |

## Water: Future Projection - SRCs

\$284,345

\$490,000

\$25,464

\$1,403,515

\$1,428,979

\$25,464

2.81

590

\$0

\$0

**Budget** 

\$191,791

\$883,288

\$955,000

\$705,421

\$0

|  | 2025        | 2026        | 2027        | 2028        | 2029        | 2030        | 2031        | 2032        | 2033            | 2034        |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------|-------------|
| Revenues   |             |             |             |             |             |             |             |             |                 |             |
| Total Revenues from User Rates <sup>1</sup>      | \$1,610,000 | \$1,610,000 | \$1,658,300 | \$1,658,300 | \$1,708,049 | \$1,708,049 | \$1,759,290 | \$1,759,290 | \$1,812,069     | \$1,812,069 |
| Percent Increase to User Rates                   | 22.10%      | 0.00%       | 3.00%       | 0.00%       | 3.00%       | 0.00%       | 3.00%       | 0.00%       | 3.00%           | 0.00%       |
| Cumulative Percent Rate Increase                 | 22.10%      | 22.10%      | 25.76%      | 25.76%      | 29.54%      | 29.54%      | 33.42%      | 33.42%      | 37.42%          | 37.42%      |
| Dollar Amount Increase to Revenues               |             | \$0         | \$48,300    | \$0         | \$49,749    | \$0         | \$51,241    | \$0         | <b>\$52,779</b> | \$0         |
| Total Other Revenues                             | \$39,000    | \$37,849    | \$41,828    | \$44,640    | \$44,682    | \$47,529    | \$46,615    | \$45,533    | \$57,899        | \$56,124    |
|  |             |             |             |             |             |             |             |             |                 |             |
| Total Revenues                                   | \$1,649,000 | \$1,647,849 | \$1,700,128 | \$1,702,940 | \$1,752,731 | \$1,755,578 | \$1,805,906 | \$1,804,823 | \$1,869,968     | \$1,868,193 |
| Less: Expenses                                   |             |             |             |             |             |             |             |             |                 |             |
| Operating and Maintenance <sup>2</sup>           | \$634,009   | \$652,864   | \$672,282   | \$692,278   | \$712,872   | \$734,079   | \$755,919   | \$778,411   | \$801,573       | \$825,427   |
| PILOT Payment                                    | \$189,491   | \$195,176   | \$201,031   | \$207,062   | \$213,274   | \$219,672   | \$226,262   | \$233,050   | \$240,042       | \$247,243   |
| Net Before Debt Service and Capital Expenditures | \$825,500   | \$799,809   | \$826,816   | \$803,600   | \$826,585   | \$801,827   | \$823,725   | \$793,363   | \$828,353       | \$795,523   |
|  |             |             |             |             |             |             |             |             |                 |             |
| Debt Service                                     |             |             |             |             |             |             |             |             |                 |             |
| Existing Debt P&I                                | \$191,791   | \$191,770   | \$191,747   | \$191,724   | \$191,701   | \$191,677   | \$191,653   | \$191,628   | \$191,602       | \$141,524   |
| New (2025-2034) Debt Service P&I                 | \$0         | \$92,575    | \$92,119    | \$138,551   | \$136,188   | \$314,366   | \$312,004   | \$309,641   | \$356,063       | \$353,438   |

\$330,275

\$535,000

(\$61,676)

\$1,921,929

\$1,860,253

-\$61.676

2.43

722

\$0

\$0

\$283,866

\$800,000

\$750,000

\$492,950

\$1,428,979

\$1,921,929

\$492.950

2.91

818

\$0

Balance at first of year \$698,094 Net Annual Cash Flow Addition/(subtraction) \$705,421 \$1,403,515 Balance at end of year "All-in" Debt Coverage 4.30 PSC Days Cash on Hand 648

Total Debt Service

Transfer In (Out)

Debt Proceeds

Less: Capital Improvements

**Net Annual Cash Flow** 

Restricted and Unrestricted Cash Balance:

## Assumes no changes in customer count or usage beyond Test Year. Assumes 3.00% annual inflation beyond budget year.

## Legend:

## Simplified Rate Case (projected eligibility) Conventional (Full) Rate Case

Projected

\$506,043

\$550,000

(\$254,216)

\$2,358,949

\$2,104,733

-\$254.216

1.58

645

\$0

\$0

\$503,656

\$608,750

(\$288,682)

\$2,104,733

-\$288.682

\$1,816,052

1.64

535

\$0

\$501,269

\$675,000

\$675,000

\$292.094

\$1,816,052

\$2,108,145

\$292.094

1.58

624

\$0

\$547,665

\$495,000

(\$214.312)

\$2,108,145

\$1,893,833

-\$214.312

1.51

517

\$0

\$0

\$494,962

\$525,000

(\$224,439)

\$1,893,833

\$1,669,395

-\$224,439

1.61

438

\$0

\$0

2.52

923

\$327,889

\$2,775,000

\$2,775,000

\$1,860,253

\$2,358,949

\$498.696

\$498.696

\$0

# Water: Impact on Avg. Res. Bill

|                   |     |             |                                      | Wate                                 | er |                     |                            |
|-------------------|-----|-------------|--------------------------------------|--------------------------------------|----|---------------------|----------------------------|
| Year              |     | Increase    | Water<br>Vol.<br>Charge <sup>1</sup> | Water<br>User<br>Charge <sup>2</sup> |    | ity Bill<br>onthly) | hange<br>ver Prior<br>Year |
|                   |     |             | <u>Tiered</u>                        | Serv. + PFP                          |    |                     |                            |
| 2024              |     |             | 5.76                                 | 21.25                                | \$ | 39.97               |                            |
| 2025              |     | 22.10%      | 7.03                                 | 24.05                                | \$ | 46.90               | \$<br>6.93                 |
| 2026              |     | 0.00%       | 7.03                                 | 24.05                                | \$ | 46.90               | \$<br>-                    |
| 2027              |     | 3.00%       | 7.24                                 | 24.77                                | \$ | 48.30               | \$<br>1.41                 |
| 2028              |     | 0.00%       | 7.24                                 | 24.77                                | \$ | 48.30               | \$<br>-                    |
| 2029              |     | 3.00%       | 7.46                                 | 25.51                                | \$ | 49.75               | \$<br>1.45                 |
| 2030              |     | 0.00%       | 7.46                                 | 25.51                                | \$ | 49.75               | \$<br>-                    |
| 2031              |     | 3.00%       | 7.68                                 | 26.28                                | \$ | 51.25               | \$<br>1.49                 |
| 2032              |     | 0.00%       | 7.68                                 | 26.28                                | \$ | 51.25               | \$<br>-                    |
| 2033              |     | 3.00%       | 7.91                                 | 27.07                                | \$ | 52.78               | \$<br>1.54                 |
| 2034              |     | 0.00%       | 7.91                                 | 27.07                                | \$ | 52.78               | \$<br>-                    |
| <b>Total Char</b> | nge | e over plan | ning period                          | d                                    |    |                     | \$<br>12.81                |

### Notes:

- 1. Current water volumetric rate is \$7.03 per 1,000 gallons for the first 16,700 gallons used each month.
- 2. The water user charges include a monthly service charge of \$11.00 plus a public fire protection charge of \$13.05 for a 5/8 inch meter.
- 4. The usage is assumed to be 3,250 Gallons per month.



## **Water: Recommendations**

- Complete biennial SRCs
- This plan identifies
  - ✓ Min. rate adjustment with max use of cash above benchmark
  - √ Keep Debt Coverage above 1.4 (minimum recommendation)
- Plan risk exposure
  - ✓ Other CIP not identified by staff (upcoming unknown legal mandates, etc.)
- Identify other ratemaking goals (if any)



## Sewer: Historical Rate Performance

|                  |  | Shown v  | with no inc  | rease        |                   |              |              |
|------------------|--|--|--|--------------|-------------------|--------------|--------------|
| Reve             | nue Requirement                                  |  |  |              |                   | Est          | Budget       |
| Component        | Description                                      | 2020   | 2021   | 2022         | 2023              | 2024         | 2025         |
| Cash Basis       | · ·  |  |  |              |                   |              |              |
| 1                | Operating and Maintenance                        | The second secon | The second secon |              | The second second | \$644,000    | \$697,000    |
| 2                | Debt   | \$264,105  | \$256,661  | \$205,004    | \$212,825         | \$255,215    | \$253,120    |
| 3                | Cash Funded Capital                              | \$793,083  | \$389,208  | \$624,886    | \$167,750         | \$102,086    | \$761,248    |
|                  | Less:  |  |  |              |                   |              |              |
|                  | Other Revenue                                    | \$22,066   | \$59,790   | \$39,766     | \$20,052          | \$20,000     | \$40,000     |
|                  | Interest Income                                  | \$4,851  | \$1,107  | \$7,840      | \$81,167          | \$60,000     | \$80,000     |
|                  | Revenue Requirement                              | \$1,480,353  | \$1,108,638  | \$1,349,581  | \$873,413         | \$921,301    | \$1,591,368  |
|                  | (Costs less Other Income)                        |  |  |              |                   |              |              |
|                  | User Rates Revenue                               | \$1,201,493  | \$1,235,709  | \$1,255,896  | \$1,278,077       | \$1,257,000  | \$1,282,000  |
|                  | Rate Adequacy                                    | (\$278,860)  | \$127,071  | (\$93,685)   | \$404,664         | \$335,699    | (\$309,368)  |
|                  | Rate Adjustment Needed                           | 23.21%   | 0.00%  | 7.46%        | 0.00%             | 0.00%        | 24.13%       |
| Utility Basis (F | PSC)   |  |  |              |                   |              |              |
| 1                | Operating and Maintenance                        | \$450,082  | \$523,666  | \$567,297    | \$594,057         | \$644,000    | \$697,000    |
| 2                | Depreciation                                     | \$294,957  | \$302,245  | \$309,895    | \$328,523         | \$328,523    | \$336,691    |
|                  | NIRB   | \$14,250,436   | \$14,585,167   | \$14,915,875 | \$15,060,728      | \$14,958,819 | \$14,952,129 |
| 3                | Typical ROI (2.5%)                               | \$356,261  | \$364,629  | \$372,897    | \$376,518         | \$373,970    | \$373,803    |
|                  | Less:  |  |  |              |                   |              |              |
|                  | Other Revenue                                    | \$22,066   | \$59,790   | \$39,766     | \$20,052          | \$20,000     | \$40,000     |
|                  | Interest Income                                  | \$4,851  | \$1,107  | \$7,840      | \$81,167          | \$60,000     | \$80,000     |
|                  | Revenue Requirement<br>(Costs less Other Income) | \$1,074,383  | \$1,129,643  | \$1,202,483  | \$1,197,879       | \$1,266,493  | \$1,287,494  |
|                  | User Rates Revenue                               | \$1,201,493  | \$1,235,709  | \$1,255,896  | \$1,278,077       | \$1,257,000  | \$1,282,000  |
|                  | Rate Adequacy                                    | \$127,110  | \$106,066  | \$53,413     | \$80,198          | (\$9,493)    | (\$5,494)    |
|                  | Rate Adjustment Needed                           | 0.00%  | 0.00%  | 0.00%        | 0.00%             | 0.76%        | 0.43%        |

Rates performing on a cash basis

and on utility basis (PSC not involved)

Let's investigate the history further....

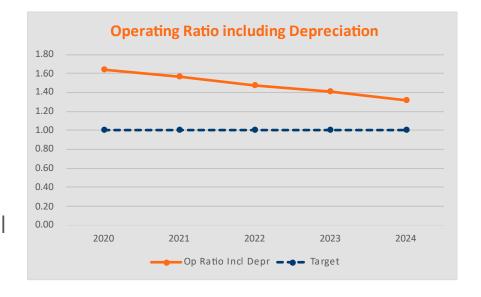
#### Notes:

Alncludes recommended debt coverage at 1.4x annual debt payment

## **Sewer: Historical Financial Indicators**



 Reserves to fund deficits and capital (5 mo. Target) Concerns of aging system





**Cumulative Percent Rate Increase** 

Total Other Revenues

Operating and Maintenance

Less: Capital Improvements

**Net Annual Cash Flow** 

Balance at first of year

Balance at end of year

"All-in"Debt Coverage

Notes:

Debt Issued/Grants/Aid

Total Revenues

Less: Expenses

**Debt Service** Existing Debt P&I

Total Debt Service

Transfer In (Out)

**Dollar Amount Increase to Revenues** 

New (2025-2034) Debt Service P&I

Restricted and Unrestricted Cash Balance:

Net Annual Cash Flow Addition/(subtraction)

Assumes 3.00% annual inflation beyond budget year.

1) Assumes no changes in customer count or usage beyond Test Year.

Net Before Debt Service and Capital Expenditures

| Sewer: Fu                                   | Sewer: Future Projection  Budget Projected 2025 2026 2027 2028 2029 2030 2031 2032 2033 |             |             |             |             |             |             |             |             |  |  |  |  |  |  |
|---|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|--|--|--|
|   | Budget  |             |             |             |             | Projected   |             |             |             |  |  |  |  |  |  |
|   | 2025  | 2026        | 2027        | 2028        | 2029        | 2030        | 2031        | 2032        | 2033        |  |  |  |  |  |  |
| Revenues                                    |   |             |             |             |             |             |             |             |             |  |  |  |  |  |  |
| Total Revenues from User Rates <sup>1</sup> | \$1,282,000   | \$1,282,000 | \$1,282,000 | \$1,314,050 | \$1,314,050 | \$1,346,901 | \$1,346,901 | \$1,380,574 | \$1,380,574 |  |  |  |  |  |  |
| Percent Increase to User Rates              | 0.00%   | 0.00%       | 0.00%       | 2.50%       | 0.00%       | 2.50%       | 0.00%       | 2.50%       | 0.00%       |  |  |  |  |  |  |

0.00%

\$47,191

\$1,329,191

\$739.160

\$590,031

\$253,057

\$253.057

\$600,000

\$600,000

\$336,974

\$2,554,769

\$2,891,742

\$336,974

2.33

\$0

\$0

\$0

2.50%

\$32,050

\$48,441

\$1,362,491

\$761.189

\$601,302

\$253,025

\$292,060

\$376,000

(\$66.758)

\$2,891,742

\$2,824,984

Legend:

(\$66,758)

2.06

\$39,036

\$0

\$0

2.50%

\$48,687

\$1,362,737

\$783,877

\$578,860

\$252,992

\$292,027

\$633,000

\$310,000

(\$36,167)

\$2.824.984

\$2,788,817

(\$36,167)

1.98

\$39,036

\$0

\$0

5.06%

\$32,851

\$49,012

\$1,395,914

\$807.241

\$588,672

\$252,958

\$59.204

\$0

\$0

\$312,162

\$540,000

(\$263.490)

\$2,788,817

\$2,525,327

Increase needed above inflationary adjustment

(\$263,490)

1.89

Increase depicted to maintain with assumed O&M inflation

5.06%

\$48,774

\$1,395,675

\$831,304

\$564,371

\$252,924

\$59,204

\$312,128

\$415,000

(\$162,756)

\$2,525,327

\$2,362,570

(\$162,756)

1.81

\$0

\$0

\$0

7.69%

\$33,673

\$48,792

\$1,429,366

\$856.085

\$573,280

\$252,889

\$59,204

\$312.093

\$740,000

(\$478.813)

\$2,362,570

\$1,883,758

(\$478,813)

1.84

\$0

\$0

2034

7.69%

\$48,024

\$1,428,597

\$881,607

\$546,990

\$252,853

\$59,204

\$312.057

\$446,000

(\$211.067)

\$1,883,758

\$1,672,691

(\$211,067)

1.75

\$0

\$0

\$0

\$1,380,574 0.00%

7.69%

\$47,929

\$1,428,503

\$907.891

\$520,612

\$202,765

\$261,969

\$376,000

(\$117.357)

\$1,672,691

\$1,555,334

(\$117,357)

1.99

\$59,204

\$0

\$0

\$0

| Sewer: | <b>Future</b> | Projec | tion |
|--------|---------------|--------|------|
|        |               |        |      |

0.00%

\$124,500

\$1,406,500

\$697,000

\$709,500

\$253,120

\$253,120

\$660,000

(\$203.620)

\$2,728,535

\$2,524,915

(\$203,620)

2.80

\$0

\$0

\$0

0.00%

\$46,712

\$1,328,712

\$717,770

\$610,942

\$253,089

\$253,089

\$328,000

\$29.854

\$2,524,915

\$2,554,769

\$29,854

2.41

\$0

\$0

\$0

\$0

# W&S: Impact on Avg. Res. Bill

|                    |              |                                      | Wate                                 | er |                         |                           |      |  |       |                           | Sewe        | r  |       |    |      |    |          |              |       |      |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
|--------------------|--------------|--------------------------------------|--------------------------------------|----|-------------------------|---------------------------|------|--|-------|---------------------------|-------------|----|-------|----|------|----|----------|--------------|-------|------|--|--|--|--|--|--------------------------------------|-----------------------------------|--|---------------------------|--|------------------------------|--|------------------------|-----------------------------|----------------------|------|
| Year               | Increase     | Water<br>Vol.<br>Charge <sup>1</sup> | Water<br>User<br>Charge <sup>2</sup> |    | tility Bill<br>Monthly) | Change Over<br>Prior Year |      |  |       | Change Over<br>Prior Year |             | •  |       |    |      |    |          |              |       | •    |  |  |  |  |  | Sewer<br>Vol.<br>Charge <sup>3</sup> | Sewer User<br>Charge <sup>3</sup> |  | Utility Bill<br>(Monthly) |  | Change<br>Over Prior<br>Year |  | tility Bill<br>Annual) | Change<br>ver Prior<br>Year | % of MHI<br>(72,768) | Year |
|                    |              | <u>Tiered</u>                        | Serv. + PFP                          |    |                         |                           |      |  |       | <u>1,000 Gal</u>          | Gen Service |    |       |    |      |    |          |              |       |      |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2024               |              | 5.76                                 | 21.25                                | \$ | 39.97                   |                           |      |  |       | 6.75                      | 16.98       | \$ | 38.92 |    |      | \$ | 946.65   |              | 1.30% | 2024 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2025               | 22.10%       | 7.03                                 | 24.05                                | \$ | 46.90                   | \$                        | 6.93 |  | 0.00% | 6.75                      | 16.98       | \$ | 38.92 | \$ | -    | \$ | 1,029.78 | \$<br>83.13  | 1.42% | 2025 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2026               | 0.00%        | 7.03                                 | 24.05                                | \$ | 46.90                   | \$                        | -    |  | 0.00% | 6.75                      | 16.98       | \$ | 38.92 | \$ | -    | \$ | 1,029.78 | \$<br>-      | 1.42% | 2026 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2027               | 3.00%        | 7.24                                 | 24.77                                | \$ | 48.30                   | \$                        | 1.41 |  | 0.00% | 6.75                      | 16.98       | \$ | 38.92 | \$ | -    | \$ | 1,046.66 | \$<br>16.88  | 1.44% | 2027 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2028               | 0.00%        | 7.24                                 | 24.77                                | \$ | 48.30                   | \$                        | -    |  | 2.50% | 6.92                      | 17.40       | \$ | 39.89 | \$ | 0.97 | \$ | 1,058.34 | \$<br>11.68  | 1.45% | 2028 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2029               | 3.00%        | 7.46                                 | 25.51                                | \$ | 49.75                   | \$                        | 1.45 |  | 0.00% | 6.92                      | 17.40       | \$ | 39.89 | \$ | -    | \$ | 1,075.73 | \$<br>17.39  | 1.48% | 2029 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2030               | 0.00%        | 7.46                                 | 25.51                                | \$ | 49.75                   | \$                        | -    |  | 2.50% | 7.09                      | 17.84       | \$ | 40.89 | \$ | 1.00 | \$ | 1,087.70 | \$<br>11.97  | 1.49% | 2030 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2031               | 3.00%        | 7.68                                 | 26.28                                | \$ | 51.25                   | \$                        | 1.49 |  | 0.00% | 7.09                      | 17.84       | \$ | 40.89 | \$ | -    | \$ | 1,105.61 | \$<br>17.91  | 1.52% | 2031 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2032               | 0.00%        | 7.68                                 | 26.28                                | \$ | 51.25                   | \$                        | -    |  | 2.50% | 7.27                      | 18.29       | \$ | 41.91 | \$ | 1.02 | \$ | 1,117.87 | \$<br>12.27  | 1.54% | 2032 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2033               | 3.00%        | 7.91                                 | 27.07                                | \$ | 52.78                   | \$                        | 1.54 |  | 0.00% | 7.27                      | 18.29       | \$ | 41.91 | \$ | -    | \$ | 1,136.32 | \$<br>18.45  | 1.56% | 2033 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| 2034               | 0.00%        | 7.91                                 | 27.07                                | \$ | 52.78                   | \$                        | -    |  | 0.00% | 7.27                      | 18.29       | \$ | 41.91 | \$ | -    | \$ | 1,136.32 | \$<br>-      | 1.56% | 2034 |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |
| <b>Total Chang</b> | e over plann | ing period                           |                                      |    |                         | \$ 1                      | 2.81 |  |       |                           |             |    |       | Ś  | 2.99 |    |          | \$<br>189.67 | ·     |      |  |  |  |  |  |                                      |                                   |  |                           |  |                              |  |                        |                             |                      |      |

### Notes:

- 1. Current water volumetric rate is \$7.03 per 1,000 gallons for the first 16,700 gallons used each month.
- 2. The water user charges include a monthly service charge of \$11.00 plus a public fire protection charge of \$13.05 for a 5/8 inch meter.
- 4. The usage is assumed to be 3,250 Gallons per month.



## **Sewer: Recommendations**

- Complete biennial inflationary adjustments
- This plan identifies
  - ✓ Min. rate adjustment with max use of cash above benchmark
  - ✓ Keep Debt Coverage above 1.4 (minimum recommendation)
- Plan risk exposure
  - ✓ Other CIP not identified by staff (upcoming unknown legal mandates, etc.)
- Identify other ratemaking goals (if any)



