

Village of Blissfield Sewer Rate Report

September 1, 2020



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MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

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MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

INTRODUCTION

Wastewater collection and treatment is an essential public service provided to Community residents to protect their health and enhance their quality of life by protecting the environment in which they live. Over many years the Community has invested in the essential infrastructure and services necessary to collect, transport, and ensure treatment of the sanitary wastewater from homes and businesses located within the Community.

The construction and maintenance of this infrastructure is one of the most costly investments residents of the Community make. Community officials strive to ensure that the resident's investment in these facilities is based on sound judgment, cost effectiveness, and sustainable financing for the present and future. The purpose of analyzing utility rates is to ensure;

- a) Compliance with federal and state regulations governing utility rates, and
- b) That adequate revenue is collected through service charges to support the cost of providing the service and
- c) That the rates are equitable to all users of the service.

That is, each user's share of the cost is proportionate to their use of the system.

REVENUE REQUIREMENT = TOTAL SYSTEM COST

Ensuring that the revenue covers the total system cost means the service is "sustainable". That is, the system will serve the present needs and will continue to meet future needs.

Total system cost is comprised of the following cost components:

Operation & Maintenance (O&M) expenses. These are the daily costs of labor, materials, supplies, utilities, etc. necessary to operate and maintain the facilities.

Replacement expenses. These are costs to replace operating equipment with a useful life of 20 years or less. The sum of O&M expense and replacement expense is referred to as OM&R.

Capital improvements. These are costs to replace structural components with useful life greater than 20 years and or to expand and improve the current facilities.

Administrative expenses. These are the costs of general management, financial management, meter reading, and billing & collections.

Debt service expenses. These are the annual costs of loans or bond repayment used to finance construction and generally includes facilities and structures with a useful life of 20 years or more.

Current Rate Structure
VILLAGE OF Blissfield

The current rate structure for the Village of **Blissfield's Sewer System** is reasonable but could use a few minor changes to recover the cost of operating the system in a more equitable manner.

Currently the Village charges a cost per 1,000 gallons of sewer used. The rate per 1,000 gallons is the same regardless of who the customer is or how much they use. Everyone pays the same rate starting from the first gallon used.

The debt is collected through the base rate with all customers paying the same rate on a quarterly basis.

Currently the Village charges a base rate or Ready to Serve charge which is invoiced every month (which includes the debt). The base rate is charged to everyone based upon the size of the meter serving the customer.

Larger sewer users take up capacity of the system. The system has a limited capacity (gallons) therefore if one large customer takes up the capacity of 10 residential homes they should pay a base rate equivalent to the 10 residential homes. Larger volume users also drive the size of certain components of the sewer system. For instance having several large buildings that house factories or schools will require larger sewer mains and a larger lift station to provide for these larger buildings. It is thus fair that they pay a larger portion of the debt and some fixed expenses compared to a homeowner who uses 3,000 gallons per month.

Ultimately our goal is to collect the money needed to maintain the sewer system in the most equitable manner possible. Insuring that everyone pays their fair share of the cost.

Overall Conclusion

VILLAGE OF BLISSFIELD

After the June 1st decrease in the rates, the Village is not generating enough revenue to cover every day basic expenses or enough to pay for the irregularly occurring major maintenance items and replacement of existing equipment necessary to providing safe sewerage for the community. Looking at the "Current Income" page indicates this year's income is expected to produce an estimated total loss of (\$301,000) dollars. Looking closer at the loss of (\$301,000) this represents the projected losses base on FY2020/21 budget. The projected loss includes both the Labor and O&M budget and the CIP funding. If the CIP reserve funding of \$192,000 is not included the projected loss to the sewer fund is (\$110,000). Rates should be adjusted as soon as possible to avoid finical issues in the near future.

The Village needs to know exactly how much money will be needed over the next 20 years for these major maintenance expenses / equipment replacement and insure they have money in the bank for these expenditures. Keeping in mind that to much money is almost as bad as not having enough

Putting money aside or "making a profit" should not be guess work, but rather an exact calculation. For instance if the past maintenance history of a pump indicated that we have to replace it in five years and the pump cost \$25,000 dollars we should be putting aside \$5,000 dollars each year in order to have the \$25,000 dollars needed in five years to replace the pump. This money would come out of the water or sewer saving accounts. Here is the KEY, the rates need to be high enough to generate enough revenue to replace the \$25,000 spent on this pump. Otherwise the Village will eventually deplete its water and sewer reserve accounts.

Blissfield Sewer

CONCLUSION OF ANALYSIS

| COST PER | CURRENT RATES | CALCULATED RATES | DIFFERENCE |
|---|-----------------|------------------|-----------------|
| 1,000 GAL. | \$3.51 | \$6.00 | \$2.49 |
| CURRENT "BASE RATE" CHARGE PER MONTH | | | |
| METER SIZE - INCHES | CURRENT RATES | CALCULATED RATES | DIFFERENCE |
| 3/4 | \$16.39 | \$52.00 | \$35.61 |
| 1 | \$22.93 | \$86.84 | \$63.91 |
| 1 1/4 | \$0.00 | \$0.00 | \$0.00 |
| 1 1/2 | \$41.11 | \$173.17 | \$132.06 |
| 2 | \$67.17 | \$277.17 | \$210.00 |
| 3 | \$139.27 | \$554.87 | \$415.60 |
| 4 | \$244.14 | \$866.88 | \$622.74 |
| 6 | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | \$0.00 | \$0.00 |

| | |
|---|-------------|
| The above rates are based on an input budget of | \$1,468,676 |
| The above rates are based on invoicing the following gallons of water / sewer | 73,704,482 |
| The above rates are based on the following number of customers | 1,486 |
| The above rates are based on the following number of Residential Equivalent Units (REU's) | 19,740 |

If all numbers listed above stay true the new calculated rates will generate the input budget "exactly". Not a penny more or a penny less.

This Rate Analysis uses "Full Cost Pricing" to determine the user fees.

The above table shows the Current Rate, the new Calculated Rate, and the difference between the current and new rate changes.

Full Cost Pricing Is:

Maintaining your system's financial stability by ensuring a sufficient revenue stream.

Collect and reserve the funds needed to cover the costs of future asset rehabilitation and compliance with future regulations, among other things.

Plan ahead for reasonable, gradual rate increases when necessary.

Deliver a fair priced, high-quality drinking water to your customers now and in the future.

NOTE:

The above CALCULATED RATES will generate only enough to meet the current budge input into the rate analysis

BACKGROUND INFORMATION STARTING SHEET

Please be sure to review the results of this rate evaluation with an attorney

| | |
|--|-------------------------|
| Name of Community : | Blissfield Sewer |
| Population Served : | 3300 |
| BUDGET USED FOR YEAR OF | 2020 |
| <u>Current Rate Structure</u> | |
| Are bills based on 1,000 gallons units or 100 cubic feet units? | 1,000 |
| Number of Residential Customer Invoices per Year | 12 |
| What are the dates of the Fiscal Year | October 1st |
| Year of Last Rate Increase | |
| <i>This rate evaluation was completed using the following information</i> | |
| Reliability Study / General Plan | N/A |
| Capital Improvement Plan | Yes |
| Water Tower Inspection Report | N/A |
| Well Inspection Report | N/A |
| System Evaluations (MDEQ etc) | No |
| Audits | No |
| List the names of the different Entities Served - Originating Entity | |
| | Blissfield Sewer |
| 2nd Entity | Out of Town |
| 3rd Entity | Greenplains |

| Blissfield Sewer | | | | | |
|-----------------------------------|----------------------------|------------------|-------------------|---------------|--|
| CURRENT RATE CHARGES | | | | | |
| Customers Are Invoice MONTHLY PER | | | | | |
| RATE CLASS 1 | | | | | |
| Blissfield Sewer | | | | | |
| TYPE OF WATER UNITS | 1,000 GALLONS | Notes | | | |
| COST PER WATER UNIT | \$3.51 | | | | |
| INVOICES PER YEAR | 12 | | | | |
| METER SIZE - INCHES | CURRENT "BASE RATE" CHARGE | NUMBER OF METERS | INVOICE FREQUENCY | ANNUAL INCOME | |
| 3/4 | \$16.39 | 1467 | 12 | \$288,530 | |
| 1 | \$22.93 | 2 | 12 | \$550 | |
| 1 1/2 | \$41.11 | 3 | 12 | \$1,480 | |
| 2 | \$67.17 | 5 | 12 | \$4,030 | |
| 3 | \$139.27 | 2 | 12 | \$3,342 | |
| 4 | \$244.14 | 7 | 12 | \$20,508 | |
| TOTALS | | 1486 | | \$318,440 | |

| RATE CLASS 2 | | | | | |
|---------------------|----------------------------|------------------------|------------------|-------------------|---------------|
| Out of Town | | | | | |
| TYPE OF WATER UNITS | 1,000 GALLONS | Ratio Entity # 2 vs. 1 | Notes | | |
| COST PER WATER UNIT | \$7.02 | 2.00 | | | |
| INVOICES PER YEAR | 12 | | | | |
| METER SIZE - INCHES | CURRENT "BASE RATE" CHARGE | Ratio Entity # 2 vs. 1 | NUMBER OF METERS | INVOICE FREQUENCY | ANNUAL INCOME |
| 3/4 | \$32.78 | 2.00 | 0 | 12 | \$0 |
| 1 | | | | 12 | \$0 |
| 1 1/2 | | | | 12 | \$0 |
| 2 | | | | 12 | \$0 |
| 3 | | | | 12 | \$0 |
| 4 | | | | 12 | \$0 |
| | | | 0 | | \$0 |

Current Rate Charges CUSTOMIZE THIS FOR EACH COMMUNITY

Currently customers are charged based on two factors

Consumption Charge, Which is based on gallons of water that goes through the customer's water meter. Sewage usage is based on water usage. Customers are currently invoiced per unit of water / sewer at the listed price.

A "Base Rate" charge based of \$ XX for a 3/4" meter, this fee increases based on the size of the customers water meter, which is listed in inches. Some customers are invoiced monthly, others quarterly/ **The number of meters listed above does NOT include irrigation meters which are not invoiced a "Base Rate" charge.**

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

| 2020 | RATE CLASS 1 | RATE CLASS 2 | | | | | |
|--|------------------|------------------|------------------|---------------------------|--|------------------------------------|---------------------------------|
| | Blissfield Sewer | Out of Town | | | | | |
| METER SIZE - INCHES | NUMBER OF METERS | NUMBER OF METERS | CUSTOMERS ACTUAL | SELECTED METER EQUIVALENT | CALCULATED METER EQUIVALENT | EQUIVALENT REU'S PER BILLING CYCLE | ANNUAL EQUIVALENT REU'S (UNITS) |
| 3/4 | 1467 | 0 | 1467 | 1.00 | 1.00 | 1,467 | 17,604 |
| 1 | 2 | 0 | 2 | 1.67 | 1.67 3.33 5.33 10.67 16.67 | 3 | 40 |
| 1 1/2 | 3 | 0 | 3 | 3.33 | | 10 | 120 |
| 2 | 5 | 0 | 5 | 5.33 | | 27 | 320 |
| 3 | 2 | 0 | 2 | 10.67 | | 21 | 256 |
| 4 | 7 | 0 | 7 | 16.67 | | 117 | 1,400 |
| TOTAL | 1486 | 0 | 1486 | | | 1,645 | |
| TOTAL <u>EQUIVALENT</u> ANNUAL REU'S | | | | | | | 19,740 |
| PERCENT REDUCTION | | | | | | | 0.00% |
| REU REDUCTION PER BILLING CYCLE | | | | | | | 0.0 |
| ANNUAL <u>EQUIVALENT</u> REU'S USED FOR RATE EVALUATION | | | | | | | 19,740 |

The table above list the number of water meters being invoiced for each size water meter for each entity being served.
BASED ON THE REQUEST OF THE WATER SYSTEM - THE REU RATIO USED FOR THIS EVALUATION IS THE AWWA METER

| Blissfield Sewer | | UNITS OF WATER OR SEWAGE INVOICED TO CUSTOMERS | | | | | | | | | | | |
|-------------------|----------------|--|------------------|------------------|------------------|-----------------|--------|------------|------------|------------|---|---|-------------------------------|
| 2020 | | | | | | | | | | | | THE PROGRAM USES THE | |
| USAGE REPORTED IN | GALLONS | 2017 | | 2018 | | 2019 | | AVERAGE | MAX. YEAR | MIN. YEAR | PERCENT DIFFERENCE FROM MAX. TO MIN. YEAR | ANTICIPATED PERCENT REDUCTION NEXT YEAR | LOWEST YEAR |
| USAGE REPORTED IN | CALENDAR YEARS | PERCENT OF TOTAL | PERCENT OF TOTAL | PERCENT OF TOTAL | PERCENT OF TOTAL | AVERAGE PERCENT | | | | | | | UNITS USED IN RATE EVALUATION |
| Blissfield Sewer | 80,009,461 | 100.0% | 83,966,640 | 100.0% | 73,704,482 | 100.0% | 100.0% | 79,226,861 | 83,966,640 | 73,704,482 | 12% | 0% | 73,704,482 |
| TOTALS | 80,009,461 | | 83,966,640 | | 73,704,482 | | | 79,226,861 | 83,966,640 | 73,704,482 | 12% | | 73,704,482 |
| | | | | | | | | | | | | GALLONS OF REDUCTION | 0 |
| | | | | | | | | | | | | GALLONS USED FOR EVALUATION | 73,704,482 |

The Volumes listed above are only those gallons that are a revenue source.
The gallons listed above do not include any water NOT invoiced for winter "Let Runs"
The gallons listed above were generated by the Village. The Village takes full responsibility for the accuracy of these numbers.

This table shows the gallons of sewage invoiced to customers. The Village is showing a decrease in usage over the last few years. We also anticipated a reduction in usage of 0% to follow the trend.
Rate evaluations must be based on a worst case scenario. Taking into account factors that could influence the amount of water sold or sewage invoiced, (which is based on water usage) These factors include;
A wet rainy summer will result in less outdoor activities and lawn sprinkling
Technology alone will account for a reduction in use per person, things like water efficient appliances, washing machines etc. and water efficient shower heads, toilets etc. will naturally reduce the water use per customer.
Loss of a major water user because of things like a fire or a business that chooses to relocate into another community, or just closes its doors can have an impact on gallons of sewer sold.

| TOTAL COMBINED <u>CURRENT</u> INCOME | | | | | WATER UNITS = 1,000 | | Blissfield Sewer | | | | | | | | |
|---|------------------|------------------|-------------------|--------------------|------------------------|---------------|--|------------|----------------|-------------------|--|-----------|--------------|-----|-----|
| FISCAL YEAR 2019 | | | | | INVOICES PER YEAR = 12 | | | | | | | | | | |
| CURRENT METER / BASE RATE INCOME | | | | | | | | | | | | | | | |
| | | Blissfield Sewer | | | Out of Town | Greenplains | | | | | | | | | |
| METER SIZE - INCHES | CURRENT RATES | NUMBER OF METERS | INVOICE FREQUENCY | ANNUAL INCOME | ANNUAL INCOME | ANNUAL INCOME | INCOME | % INCOME | % TOTAL INCOME | | | | | | |
| 3/4 | \$16.39 | 1,467 | 12 | 288,530 | \$0 | \$0 | \$288,530 | 91% | 50% | | | | | | |
| 1 | \$22.93 | 2 | 12 | 550 | \$0 | \$0 | \$550 | 0% | 0% | | | | | | |
| 1 1/2 | \$41.11 | 3 | 12 | 1,480 | \$0 | \$0 | \$1,480 | 0% | 0% | | | | | | |
| 2 | \$67.17 | 5 | 12 | 4,030 | \$0 | \$0 | \$4,030 | 1% | 1% | | | | | | |
| 3 | \$139.27 | 2 | 12 | 3,342 | \$0 | \$0 | \$3,342 | 1% | 1% | | | | | | |
| 4 | \$244.14 | 7 | 12 | 20,508 | \$0 | \$0 | \$20,508 | 6% | 4% | | | | | | |
| BASE RATE INCOME | | | | \$318,440 | \$0 | \$0 | \$318,440 | | 55% | | | | | | |
| CURRENT VOLUME SALES INCOME | | | | | | | | | | | | | | | |
| | | Blissfield Sewer | | | Out of Town | Greenplains | TOTALS | | | | | | | | |
| GALLONS / CUFT SOLD | 73,704,482 | | | | 0 | 0 | 73,704,482 | | | | | | | | |
| COST PER UNIT | \$3.51 | | | | \$7.02 | \$3.51 | | % INCOME | | | | | | | |
| WATER SALES INCOME | \$258,703 | | | | \$0 | \$0 | \$258,703 | 45% | | | | | | | |
| TOTAL METER SALES INCOME | | | | \$318,440 | | | <div style="border: 1px solid black; padding: 5px; display: inline-block;"> This page calculates out what the actual income should be </div> <table border="1" style="margin-left: 20px; margin-top: 10px;"> <thead> <tr> <th colspan="2">PERCENT OF INCOME</th> </tr> <tr> <th>BASE RATE</th> <th>VOLUME SALES</th> </tr> </thead> <tbody> <tr> <td>55%</td> <td>45%</td> </tr> </tbody> </table> | | | PERCENT OF INCOME | | BASE RATE | VOLUME SALES | 55% | 45% |
| PERCENT OF INCOME | | | | | | | | | | | | | | | |
| BASE RATE | VOLUME SALES | | | | | | | | | | | | | | |
| 55% | 45% | | | | | | | | | | | | | | |
| TOTAL VOLUME SALES INCOME | | | | \$258,703 | | | | | | | | | | | |
| TOTAL INCOME CUSTOMER SALES | | | | \$577,143 | | | | | | | | | | | |
| NON SALES REVENUE ANTICIPATED | | | | \$0 | | | | | | | | | | | |
| TOTAL INCOME ALL SOURCES | | | | \$577,143 | | | | | | | | | | | |
| NEW INPUTTED RATE BUDGET | | | | \$1,468,676 | | | | | | | | | | | |
| SCHEDULED PROFIT / LOSS | | | | (\$891,533) | | | | | | | | | | | |

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

| Blissfield Sewer | | | |
|---|-------------|-------------|------------------|
| NON-SALES INCOME | | | |
| NON-SALES INCOME | 2018 | 2019 | 2020 |
| Sewer Connection | | | \$ 1,500 |
| Late charges | | | \$ 10,500 |
| TOTAL INCOME (NON SALES) | \$ - | \$ - | \$ 12,000 |
| Portion of (Non Sales) Revenue <u>Guaranteed</u> : | | | \$ - |
| Percent Applied Towards Fixed Rate RTS Charge - PERCENT applied per REU | | | 50% |
| ANNUAL DOLLARS APPLIED TOWARDS <u>FIXED BUDGET</u> - BASE RATE - RTS | | | \$ - |
| ANNUAL DOLLARS APPLIED TOWARDS <u>VARIABLE BUDGET</u> - PER UNIT | | | \$ - |

| LABOR & BENEFITS | | PROPOSED BUDGET FOR NEXT FISCAL YEAR |
|---|-----------------------|---|
| Blissfield Sewer | | 2020 |
| 2020 | | RATE BUDGET ANNUAL BUDGETED |
| LABOR & BENEFITS | | |
| Sewer Department | | |
| | WWTP Wages: | \$146,050 |
| | DPW Wages: | \$3,800 |
| | Benefits: | \$71,928 |
| Sewer Collection | | |
| | Wages: | \$31,500 |
| | Benefits: | \$15,120 |
| LABOR & BENEFITS | | \$268,398 |
| LABOR & BENEFITS - ADMINISTRATION- BILLING ETC | | |
| | Clerk/Treasurer Wages | \$27,660 |
| | Administor | \$9,615 |
| | Benefits | \$14,285 |
| LABOR & BENEFITS - ADMINISTRATION- BILLING ETC | | \$51,560 |
| LABOR & BENEFITS | | \$268,398 |
| SUB-TOTAL EXPENSES | | \$319,958 |
| Additional Cost of Inflation Increase: | | 0.00% |
| LABOR & BENEFITS | | \$319,958 |
| ARE EMPLOYEES MAKING A LIVABLE WAGE AND RECEIVING INCREASES ANNUALLY? | | |

MICHIGAN RURAL WATER ASSOCIATION RATE
EVALUATION PROGRAM

| OPERATION & MAINTENANCE EXPENSES | PROPOSED BUDGET FOR NEXT FISCAL YEAR |
|---|---|
| 2020 | 2020 |
| Blissfield Sewer SYSTEM EXPENSES | RATE BUDGET ANNUAL BUDGETED |
| Sewer Department | |
| Office Supplies | \$1,250 |
| Tools and Supplies | \$2,500 |
| Chemicals | \$15,000 |
| Lab Chemicals | \$3,000 |
| Lab Equipment | \$16,000 |
| Clothing | \$1,200 |
| Outside Contractors | \$195,000 |
| Telephone | \$25,000 |
| Insurance | \$3,000 |
| Electric | \$9,000 |
| Gas | \$95,000 |
| Water | \$1,900 |
| Building Maintenance | \$20,000 |
| Equipment Maintenance | \$20,000 |
| Equipment Rental | \$6,000 |
| Education | \$60,000 |
| New Equipment | \$650 |
| Collection | |
| Tools and Supplies | \$8,000 |
| Lift Station | |
| Outside Contractors | |
| Telephone | \$1,200 |
| Electric | \$15,000 |
| Gas | \$25,000 |
| Equipment Rental | \$600 |
| Misc. | \$14,000 |
| Education | \$550 |
| New Equipment | \$7,700 |
| | \$1,000 |
| Administration | \$2,500 |
| Office Supplies | \$5,300 |
| Auditor | |
| Maintenance Agreement | |
| | \$5,000 |
| SYSTEM EXPENSES | \$655,418 |
| SUBTOTAL OPERATIONAL EXPENSES | \$655,418 |
| CONTINGENCY | \$0 |
| SUBTOTAL | \$655,418 |
| COST OF INFLATION INCREASE | 0.00% |
| OPERATION & MAINTENANCE EXPENSES | \$655,418 |

Operating Expenses are those operation and maintenance (O&M) expenses that occur while providing water /sewer service. These expenses typically increase annually due to inflation, and increased maintenance costs as systems age.

The expenses listed above do not include Depreciation

These expenses do not include any interest paid on debt or one time CIP expenditures.

| | | |
|--|------------------|----------------|
| Blissfield Sewer | | Notes on loans |
| 2020 | | |
| BOND INSTALLMENT ANNUAL PAYMENT SCHEDULE | | |
| NAME OF LOAN | WWPT Improvement | |
| PAID BY RATES OR OTHER ? | | |
| IF OTHER - SOURCE | | |
| IF OTHER - \$ CONTRIBUTION FROM OTHER | | |
| DATE OF ISSUE | 1/1/1999 | |
| DATE OF MATURITY | 1/1/2028 | |
| IS THERE A RESERVE REQUIREMENT | | |
| WHAT IS THE REQUIRED ANNUAL RESERVE \$\$ | | |
| CURRENT BALANCE IN THE REQUIRED RESERVE | | |
| DATE OF - PRINCIPAL & INTEREST PAYMENT | 7/1/2020 | |
| \$ AMOUNT OF THIS INTEREST PAYMENT | \$11,050 | |
| \$ AMOUNT OF PRINCIPAL THIS PAYMENT | \$45,000 | |
| DATE OF - INTEREST PAYMENT | 1/1/2020 | |
| \$ AMOUNT OF THIS INTEREST PAYMENT | \$11,050 | |
| CURRENT CASH BALANCE IN THIS ACCOUNT | | |
| ORIGINAL LOAN AMOUNT | | |

| LIST THE COMBINED ANNUAL <u>PRINCIPAL & INTEREST</u> PAYMENTS HERE | ANNUAL PAYMENTS NEEDED FROM RATE CHARGES | ANNUAL PAYMENTS NEEDED FROM RATE CHARGES |
|---|--|--|
| | WWPT Improvement | \$0 |
| 2020 | \$67,100 | |
| 2021 | \$64,760 | |
| 2022 | \$67,420 | |
| 2023 | \$64,820 | |
| 2024 | \$67,220 | |
| 2025 | \$64,360 | |
| 2026 | \$66,500 | |
| 2027 | \$68,380 | |
| 2028 | | |
| 2029 | | |
| 2030 | | |
| 2031 | | |
| 2032 | | |
| 2033 | | |
| 2034 | | |
| 2035 | | |
| 2036 | | |
| 2037 | | |
| 2038 | | |
| 2039 | | |
| PAID OFF IN YEAR OF | 46753 | 0 |

| Blissfield Sewer | |
|---|-------------------------|
| LOANS, BONDS, INTEREST, ANNUAL PAYMENT | |
| WWPT Improvement | \$67,100 |
| | \$0 |
| TOTAL ANNUAL PAYMENTS \$ | 67,100.00 |
| No Tax revenue or special assessment revenue is applied to these payments | |
| PROPOSED NEW DEBT - TOTAL FUNDED | \$ 6,849,000 |
| INTEREST RATE | 1.625% |
| LENGTH OF LOAN (YEARS) | 40 |
| ANNUAL PAYMENT | \$234,200 |
| TOTAL DEBT - NEW & CURRENT | <u>\$301,300</u> |
| WHAT YEAR IS LOAN PAID OFF | 2061 |
| IS DEBT LISTED SEPARATELY ON WATER BILL | No |
| IF USDA RD LOAN ANNUAL RESERVE FUNDING | \$53,983 |

List any additional notes on the loans here.

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

| Please be sure to review the results of this evaluation with your community's attorney | | | | | | |
|--|----------------------|-------------------------------|---------------------------------------|---------------------------|--|-----------------------------|
| CALCULATED RESULTS OF WATER RATE ANALYSIS | | | | | | 2020 |
| Blissfield Sewer | ANNUAL BUDGET | PERCENT FIXED EXPENSES | BASE RATE FIXED EXPENSES | COST PER 3/4 METER | CONSUMPTION VARIABLE EXPENSES | VOLUME COST PER UNIT |
| LABOR & BENEFITS | \$319,958 | 70% | \$223,971 | \$11.35 | \$95,987 | \$1.30 |
| OPERATION & MAINTENANCE EXPENSES | \$655,418 | 70% | \$458,793 | \$23.24 | \$196,625 | \$2.67 |
| SUBTOTAL OPERATIONAL EXPENSES | \$975,376 | | \$682,763 | \$34.59 | \$292,613 | \$3.97 |
| WWPT Improvement | \$67,100 | 70% | \$46,970 | \$2.38 | \$20,130 | \$0.27 |
| NEW LOAN | \$234,200 | 70% | \$163,940 | \$8.30 | \$70,260 | \$0.95 |
| SUBTOTAL LOANS | \$301,300 | | \$210,910 | \$10.68 | \$90,390 | \$1.23 |
| TOTAL REGULAR EXPENSES | \$1,276,676 | | \$893,673 | \$45.27 | \$383,003 | \$5.20 |
| NON OPERATING INCOME REDUCTION PER REU / UNIT | | | | \$0.00 | | \$0.00 |
| RATE CHARGE FOR O&M AND LOANS | | | | \$45.27 | | \$5.20 |
| CURRENT RATE | | | | \$16.39 | | \$3.51 |
| INCREASE | | | | \$28.88 | | \$1.69 |
| PERCENT INCREASE | | | | 176% | | 48% |
| OVERALL PERCENT INCREASE FOR GALLONS OF | 4,000 | | 150% | | | |
| EQUIPMENT REPLACEMENT SHORT LIVED ASSETS | \$0 | 50% | \$0 | \$0.00 | \$0 | \$0.00 |
| CAPITAL IMPROVEMENT PROJECTS | \$192,000 | 69.2% | \$132,864 | \$6.73 | \$59,136 | \$0.80 |
| SUBTOTAL RESERVES | \$192,000 | | \$132,864 | \$6.73 | \$59,136 | \$0.80 |
| ADOPTED BUDGET | \$1,468,676 | | \$1,026,537 | \$52.00 | \$442,139 | \$6.00 |
| CURRENT REVENUE | \$577,143 | | | | | |
| NON OPERATING INCOME REDUCTION CONTRIBUTION | | | | | | |
| REVENUE COLLECTED THROUGH RATES | \$1,468,676 | | | | | |
| NON OPERATING INCOME REDUCTION PER REU / UNIT | | | | 0.00 | | 0.00 |
| CALCULATED RATE PER 3/4 METER PER MONTH | | | | \$52.00 | 1,000 GAL. | \$6.00 |
| ANNUAL EQUIVALENT REU'S 19,740 | | | CURRENT RATES | \$16.39 | | \$3.51 |
| ANTICIPATED GALLONS INVOICED 73,704,482 | | | INCREASE OF | \$35.61 | | \$2.49 |
| INVOICES PER YEAR 12 | | | PERCENT INCREASE | 217.3% | | 70.9% |
| TOTAL NUMBER OF CUSTOMERS / METERS 1,486 | | | Out of Town | \$104.01 | | \$12.00 |
| ANTICIPATED EQUIVALENT GALLONS / UNITS 73,704 | | | | | | |
| GALLONS USED 4,000 | | | | | | |
| AMOUNT OF BILL \$76.00 | | | | | | |
| PERCENT INCREASE 150% | | | | | EVERY MILLION GALLONS GENERATES REVENUE OF | \$5,999 |
| DOES THE COST PER 'UNIT' / 'WATER' INCLUDE INCLINING OR DECLINING RATES? | NO | | ADDITIONAL REVENUE GENERATED | \$702,996 | | \$183,436 |
| GALLONS INCLUDED WITH THIS CALCULATED BASE RATE ? | NO | | COMBINED ADDITIONAL REVENUE GENERATED | \$886,432 | | |
| IS BASE RATE PER REU, - OR PER METER SIZE? | METER SIZE | | \$1.00 INCREASE GENERATES | \$19,740 | | \$73,704 |
| | | | | | NON METERED | \$52.00 |

| Blissfield Sewer | | | | | | Out of Town | Greenplains |
|------------------|---------------------|-------------------------------|---------------------|---------------------------|------------------|----------------------|---------------------|
| PER 1,000 GAL. | \$6.00 | | \$3.51 | | | \$2.49 | |
| | NEW | | CURRENT | | | DIFFERENCE PER MONTH | NEW |
| METER SIZE | BASE RATE PER MONTH | METER RATIO FACTOR BEING USED | BASE RATE PER MONTH | CURRENT / OLD METER RATIO | PERCENT INCREASE | | BASE RATE PER MONTH |
| 3/4 | \$52.00 | 1.00 | \$16.39 | 1.00 | 217.3% | \$35.61 | \$104.01 |
| 1 | \$86.84 | 1.67 | \$22.93 | 1.40 | 278.7% | \$63.91 | \$173.69 |
| 1 1/4 | \$0.00 | 0.00 | \$0.00 | 0.00 | #DIV/0! | \$0.00 | \$0.00 |
| 1 1/2 | \$173.17 | 3.33 | \$41.11 | 2.51 | 321.2% | \$132.06 | \$346.34 |
| 2 | \$277.17 | 5.33 | \$67.17 | 4.10 | 312.6% | \$210.00 | \$554.35 |
| 3 | \$554.87 | 10.67 | \$139.27 | 8.50 | 298.4% | \$415.60 | \$1,109.73 |
| 4 | \$866.88 | 16.67 | \$244.14 | 14.90 | 255.1% | \$622.74 | \$1,733.77 |
| 6 | \$0.00 | 0.00 | \$0.00 | 0.00 | #DIV/0! | \$0.00 | \$0.00 |
| 8 | \$0.00 | 0.00 | \$0.00 | 0.00 | #DIV/0! | \$0.00 | \$0.00 |
| 10 | \$0.00 | 0.00 | \$0.00 | 0.00 | #DIV/0! | \$0.00 | \$0.00 |

These are the rates calculated for each meter size for each entity served. Also for the cost per unit of water sold for each entity.

| TYPICAL BILL USING NEW RATES | | | | | | | |
|-------------------------------------|---------------------|----------------------|-------------------------|-----------------|-----------------|-----------------------|-------------------------|
| Blissfield Sewer | | | | | | | |
| METER SIZE - INCHES | GALLONS USED | VOLUME CHARGE | BASE RATE CHARGE | NEW BILL | OLD BILL | CHANGE IN BILL | PERCENT INCREASE |
| 3/4 | 3,000 | \$18.00 | \$52.00 | \$70.00 | \$26.92 | \$43.08 | 160% |
| 3/4 | 4,000 | \$24.00 | \$52.00 | \$76.00 | \$30.43 | \$45.57 | 150% |
| 3/4 | 12,000 | \$71.99 | \$52.00 | \$123.99 | \$58.51 | \$65.48 | 112% |
| 3/4 | 15,000 | \$89.98 | \$52.00 | \$141.98 | \$69.04 | \$72.94 | 106% |
| 3/4 | 20,000 | \$119.98 | \$52.00 | \$171.98 | \$86.59 | \$85.39 | 99% |
| 1 | 50,000 | \$299.94 | \$86.84 | \$386.78 | \$198.43 | \$188.35 | 95% |
| 1 1/4 | 20,000 | \$119.98 | \$0.00 | \$119.98 | \$70.20 | \$49.78 | 71% |
| 1 1/2 | 150,000 | \$899.82 | \$173.17 | \$1,072.99 | \$567.61 | \$505.38 | 89% |
| 2 | 50,000 | \$299.94 | \$277.17 | \$577.11 | \$242.67 | \$334.44 | 138% |
| 3 | 100,000 | \$599.88 | \$554.87 | \$1,154.75 | \$490.27 | \$664.48 | 136% |
| 4 | 150,000 | \$899.82 | \$866.88 | \$1,766.70 | \$770.64 | \$996.06 | 129% |
| 6 | 265,106 | \$1,590.32 | \$0.00 | \$1,590.32 | \$930.52 | \$659.80 | 71% |
| 8 | 229,492 | \$1,376.68 | \$0.00 | \$1,376.68 | \$805.52 | \$571.16 | 71% |
| 10 | 1,500,000 | \$8,998.21 | \$0.00 | \$8,998.21 | \$5,265.00 | \$3,733.21 | 71% |
| GALLONS INCLUDED MIN BILL | | | | 0 | 0 | | |

2020 Blissfield Sewer

| | Blissfield Sewer | Blissfield Sewer | DIFFERENCE PER MONTH | DIFFERENCE PER MONTH | | Out of Town | | |
|----------------|---------------------|---------------------|----------------------|----------------------|--|-------------|---------|------------|
| PER 1,000 GAL. | \$6.00 | \$3.51 | \$2.49 | | | \$12.00 | \$7.02 | |
| | NEW | CURRENT | | | | NEW | CURRENT | DIFFERENCE |
| METER SIZE | BASE RATE PER MONTH | BASE RATE PER MONTH | | | | | | |
| 3/4 | \$52.00 | \$16.39 | \$35.61 | \$11.87 | | \$104.01 | \$32.78 | \$71.23 |
| 1 | \$86.84 | \$22.93 | \$63.91 | \$21.30 | | \$173.69 | \$0.00 | \$173.69 |
| 1 1/4 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | \$0.00 | \$0.00 | \$0.00 |
| 1 1/2 | \$173.17 | \$41.11 | \$132.06 | \$44.02 | | \$346.34 | \$0.00 | \$346.34 |
| 2 | \$277.17 | \$67.17 | \$210.00 | \$70.00 | | \$554.35 | \$0.00 | \$554.35 |
| 3 | \$554.87 | \$139.27 | \$415.60 | \$138.53 | | \$1,109.73 | \$0.00 | \$1,109.73 |
| 4 | \$866.88 | \$244.14 | \$622.74 | \$207.58 | | \$1,733.77 | \$0.00 | \$1,733.77 |
| 6 | \$0.00 | \$244.14 | -\$244.14 | | | \$0.00 | \$0.00 | \$0.00 |
| 8 | \$0.00 | | | | | \$0.00 | \$0.00 | \$0.00 |
| 10 | \$0.00 | | | | | \$0.00 | \$0.00 | \$0.00 |

These are the rates calculated for each meter size for each entity served. Also for the cost per unit of water sold for each entity.

CONFIRMATION OF INCOME - BASED ON CALCULATED RATES

| Blissfield Sewer | | | | |
|--|---------------------------------|-------------------|-----------------|--------------------|
| | Blissfield Sewer | Out of Town | Greenplains | REVENUE |
| | New Cost per Unit of Water Sold | | | NEW RATES |
| \$ PER 1,000 GAL. | \$6.00 | \$12.00 | \$6.00 | |
| UNITS Sold | 73,704 | 0 | 0 | 73,704 |
| Income | \$442,139 | \$0 | \$0 | \$442,139 |
| PERCENT OF USAGE | 100% | 0% | 0% | |
| PERCENT REVENUE | 100% | 0% | 0% | |
| NON SALES INCOME APPLIED TO VARIABLE BUDGET | | | | \$0 |
| TOTAL ANTICIPATED REVENUE PER UNIT SALES | | | | \$442,139 |
| METER SIZE | NEW BASE RATE PER MONTH | | | |
| 3/4 | \$52.00 | \$104.01 | \$52.00 | |
| NO. CUSTOMERS | 1,467 | 0 | 0 | |
| INVOICES PER YEAR | 12 | 12 | 12 | |
| ANNUAL INVOICES | 17,604 | 0 | 0 | |
| INCOME | \$915,453.23 | \$0.00 | \$0.00 | \$915,453 |
| 1 | \$86.84 | \$173.69 | \$86.84 | |
| NO. CUSTOMERS | 2 | 0 | 0 | |
| INVOICES PER YEAR | 12 | 12 | 12 | |
| ANNUAL INVOICES | 24 | 0 | 0 | |
| INCOME | \$2,084.26 | \$0.00 | \$0.00 | \$2,084 |
| 1 1/2 | \$173.17 | \$346.34 | \$173.17 | |
| NO. CUSTOMERS | 3 | 0 | 0 | |
| INVOICES PER YEAR | 12 | 12 | 12 | |
| ANNUAL INVOICES | 36 | 0 | 0 | |
| INCOME | \$6,234.07 | \$0.00 | \$0.00 | \$6,234 |
| 2 | \$277.17 | \$554.35 | \$277.17 | |
| NO. CUSTOMERS | 5 | 0 | 0 | |
| INVOICES PER YEAR | 12 | 12 | 12 | |
| ANNUAL INVOICES | 60 | 0 | 0 | |
| INCOME | \$16,630.42 | \$0.00 | \$0.00 | \$16,630 |
| 3 | \$554.87 | \$1,109.73 | \$554.87 | |
| NO. CUSTOMERS | 2 | 0 | 0 | |
| INVOICES PER YEAR | 12 | 12 | 12 | |
| ANNUAL INVOICES | 24 | 0 | 0 | |
| INCOME | \$13,316.82 | \$0.00 | \$0.00 | \$13,317 |
| 4 | \$866.88 | \$1,733.77 | \$866.88 | |
| NO. CUSTOMERS | 7 | 0 | 0 | |
| INVOICES PER YEAR | 12 | 12 | 12 | |
| ANNUAL INVOICES | 84 | 0 | 0 | |
| INCOME | \$72,818.16 | \$0.00 | \$0.00 | \$72,818 |
| Fixed Income | | | | \$1,026,537 |
| ANTICIPATED LOSS OF FIXED INCOME FROM REU REDUCTION | | | | \$0 |
| INCOME GENERATED BASE RATE | | | | \$1,026,537 |
| NON SALES INCOME APPLIED TO FIXED BUDGET | | | | \$0 |
| TOTAL ANTICIPATED REVENUE BASE RATE / RTS + NONE SALES INCOME | | | | \$1,026,537 |
| TOTAL COMBINED CUSTOMER INCOME = BASE RATE + VOLUME INCOME | | | | \$1,468,676 |
| TOTAL COMBINED CUSTOMER INCOME | | | | \$1,468,676 |
| Budget Goal | | | | \$1,468,676 |
| Difference | | | | \$0 |

Short Lived Assets - Equipment Replacement – Repair Replacement and Improvement

A replacement schedule should be developed that indicates those assets that will be replaced within the next 15 years (short lived assets) that will be **funded from system revenues**. The schedule will typically contain assets with a value of greater than \$1,000 dollars, or routinely recurring maintenance items. A couple of examples of these types of assets are: water tower paintings and chlorine pumps, well pumps and controls, raw sewage pumps, sanitary sewage pumps stations etc. Larger more long term items like water distribution piping, wells, water towers, standby generators. etc or items with a longer life expectancy of greater than 15 years, are typically included in a Capital Improvements program. See notes below in Capital Improvements

This schedule can also be expanded to include programmed maintenance or repair, making it a Repair & Replacement Schedule. The types of maintenance activities that can be included here are major, repairs, or items that occur on a non-yearly schedule or irregular schedule, such as a storage tank inspection done every five years and a tank overhaul (repaint, structural testing, cleaning) or leak detection every 3 years or a digester cleaning every ten years, or a well cleaning done every 5 years. If it occurs every year then it should be in the standard O & M budget. This Schedule does not replace the normal annual operation and maintenance budget. It merely reflects those elements that are major budget items that do NOT occur on an annual basis and thus are not in the typically O&M annual budget. These are generally items that constitute a major budget expenditure.

The schedule should include all of the recurring and non-recurring items for a 15 year period. The short lived asset Repair and Replacement Schedule should be updated annually..

It is absolutely critical that the items in the Repair and Replacement Schedule be entered into the rate setting process. These items must be funded out of system revenues, so they must be accounted for in the annual budget and in the rates. The Schedule will probably not be uniform from year to year in terms of amount of expenditure. To address this issue, the program will set an annual annuity payment to cover the Repair and Replacement Schedule expenses over the long term. Some years, the annual funding amount will be greater than that year's expenses, so money would go into the Repair and Replacement Reserve. Other years, the amount collected will be less than the expenses incurred, and the additional funding needed would come from the reserve account. The annual annuity set would have to be sufficient to cover all of the expenses over the 15 year period. This program becomes a living document and the annual funding amount should be adjusted as new equipment is purchased and the program is updated.

MICHIGAN RURAL WATER ASSOCIATION
RATE EVALUATION PROGRAM

| | | | | | | |
|---|-----------------|-------------------------------|--------------------------------------|----------------------------|-------------------------------|--------------------------------|
| Blissfield Sewer | | YEAR OF 2020 | | | | |
| CAPITAL IMPROVEMENT PROJECTS | | | | | | |
| CAPITAL IMPROVEMENT IDEAS WERE GENERATED FROM | | | | | | |
| NOTES | | | | | | |
| CAPITAL PROJECT | PRIORITY | ESTIMATED PROJECT COST | AMOUNT FUNDED IN WATER BUDGET | COMPLETE IN YEAR OF | IS THIS YEAR FLEXIBLE? | MONEY RESERVED ANNUALLY |
| WWTP Improvements 2020 | A | \$6,849,000 | \$0 | 2021 | YES | \$0 |
| Worth St/N Quick St Water/Sewer/Street | B | \$216,000 | \$54,000 | 2025 | YES | \$10,800 |
| WWTP Improvements Phase 2 | C | \$2,790,000 | \$697,500 | 2025 | YES | \$139,500 |
| N Lane St. / MacArthur St Water/Sewer/Street | C | \$877,530 | \$219,383 | 2025 | YES | \$43,877 |
| Parkwood Street Water/sewer/Street | C | \$84,315 | \$21,079 | 2025 | YES | \$4,216 |
| Relocate Beagle Street Lift Station | C | \$342,000 | \$17,100 | 2025 | YES | \$3,420 |
| US223 Sewer Line Replacement | C | \$1,762,000 | \$440,500 | 2030 | YES | \$44,050 |
| Automatic Meter System | C | \$500,000 | \$125,000 | 2030 | YES | \$12,500 |
| Walnut Street Sewer | C | \$338,400 | \$84,600 | 2030 | YES | \$8,460 |
| Adrian Street | C | \$775,100 | \$193,775 | 2030 | YES | \$19,378 |
| Maple Street PS Sewer | C | \$559,400 | \$139,850 | 2040 | YES | \$6,993 |
| Adrian Street Sewer Replacement | C | \$1,334,500 | \$333,625 | 2035 | YES | \$22,242 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| 0 | C | \$0 | \$0 | 0 | YES | \$0 |
| TOTALS | | \$16,428,245.00 | \$2,326,411.25 | | | \$ 315,434 |

| | | | | | | |
|---|----------------|-------------------------|---------------------------------|------------------------------|--------------------------------------|------------------------|
| CAPITAL IMPROVEMENT PROJECTS | | | | | | |
| ANNUAL COST OF LIVING INCREASE | | | | | | 2.00% |
| CURRENT RESERVE BALANCE APPLIED TO CAPITAL IMPROVEMENTS | | | | | | \$ - |
| AVG. INTEREST RATE IN SAVINGS | | | | | | 0.00% |
| THIS COULD BE FROM A LOAN THAT GETS PAID OFF | | | | | | |
| YEAR | PROJECT | CIP EXPENDITURES | EXTRA ANNUAL CIP FUNDING | ANNUAL AVERAGE BUDGET | TOTAL COMBINED ANNUAL FUNDING | RUNNING BALANCE |
| 2020 | SEE LIST | \$0 | \$0 | \$192,000 | \$192,000 | \$192,000 |
| 2021 | | \$0 | \$0 | \$192,000 | \$192,000 | \$384,000 |
| 2022 | | \$0 | \$0 | \$192,000 | \$192,000 | \$576,000 |
| 2023 | | \$0 | \$0 | \$192,000 | \$192,000 | \$768,000 |
| 2024 | | \$0 | \$0 | \$192,000 | \$192,000 | \$960,000 |
| 2025 | | \$1,109,967 | \$0 | \$192,000 | \$192,000 | \$42,033 |
| 2026 | | \$0 | \$0 | \$192,000 | \$192,000 | \$234,033 |
| 2027 | | \$0 | \$0 | \$192,000 | \$192,000 | \$426,033 |
| 2028 | | \$0 | \$0 | \$192,000 | \$192,000 | \$618,033 |
| 2029 | | \$0 | \$0 | \$192,000 | \$192,000 | \$810,033 |
| 2030 | | \$1,012,650 | \$0 | \$192,000 | \$192,000 | (\$10,617) |
| 2031 | | \$0 | \$0 | \$192,000 | \$192,000 | \$181,383 |
| 2032 | | \$0 | \$0 | \$192,000 | \$192,000 | \$373,383 |
| 2033 | | \$0 | \$0 | \$192,000 | \$192,000 | \$565,383 |
| 2034 | | \$0 | \$0 | \$192,000 | \$192,000 | \$757,383 |
| 2035 | | \$433,713 | \$0 | \$192,000 | \$192,000 | \$515,670 |
| 2036 | | \$0 | \$0 | \$192,000 | \$192,000 | \$707,670 |
| 2037 | | \$0 | \$0 | \$192,000 | \$192,000 | \$899,670 |
| 2038 | | \$0 | \$0 | \$192,000 | \$192,000 | \$1,091,670 |
| 2039 | | \$0 | \$0 | \$192,000 | \$192,000 | \$1,283,670 |
| 2040 | | \$195,790 | \$0 | \$192,000 | \$192,000 | \$1,279,880 |

| | | | |
|---------------------------------|-------------------------------|---|---------------------|
| CAPITAL ITEM > | WWTP Improvements 2020 | | |
| <u>Description of Project</u> | | | |
| | | | |
| <u>Justification</u> | | | |
| | | | |
| | PERCENT FUNDED | 0% | |
| Itemized Breakdown | Cost | ALLOCATION | Total |
| Total project | \$ 6,849,000 | COST FUNDED BY BUDGET / RATES | \$ - |
| | | COMPLETE IN YEAR OF ? | 2021 |
| | | YEARS TO PREPARE | 1 |
| | | COST PER YEAR | \$ - |
| | | REMAINING COST | \$ 6,849,000 |
| Total Cost of Project | \$ 6,849,000 | | |
| | | Funding Sources: | Total |
| | | COST FUNDED BY BUDGET / RATES | \$ - |
| | | Other funding sources or from existing savings? | \$ - |
| | | Loans | \$ 6,849,000 |
| | | Grants | |
| | | Etc | |
| | | Total Cost of Project | \$ 6,849,000 |
| Complete in Year Of | 2021 | Priority Rating | |
| Is Year Flexible Yes/No? | YES | A - Immediate (Health & Safety, Structural) | |
| Priority Rating "A,B,C" | A | B - Needed Benefit, But not Critical to operation of system | |
| | | C - Long Term Goal | |

| | | | |
|---------------------------------|---|---|---------------------|
| CAPITAL ITEM > | Worth St/N Quick St Water/Sewer/Street | | |
| Description of Project | AMP 2030 CIP 2025 | | |
| Location | | | |
| Justification | | | |
| | PERCENT FUNDED | 25.0% | |
| Itemized Breakdown | Cost | ALLOCATION | Total |
| Sewer portion | \$ 216,000 | COST FUNDED BY BUDGET / RATES | \$ 54,000 |
| | | COMPLETE IN YEAR OF ? | 2025 |
| | | YEARS TO PREPARE | 5 |
| | | COST PER YEAR | \$ 10,800.00 |
| | | REMAINING COST | \$ 162,000 |
| Total Cost of Project | \$ 216,000 | | |
| | | Funding Sources: | Total |
| | | COST FUNDED BY BUDGET / RATES | \$ 54,000 |
| | | Other funding sources or from existing savings | \$ 162,000 |
| | | Total Cost of Project | \$ 216,000 |
| Complete in Year Of | 2025 ? | Priority Rating | |
| Is Year Flexible Yes/No? | YES | A - Immediate (Health & Safety, Structural) | |
| Priority Rating "A,B,C" | B | B - Needed Benefit, But not Critical to operation of system | |
| | | C - Long Term Goal | |

| | | | |
|--|---------------------|---|----------------------|
| CAPITAL ITEM > WWTP Improvements Phase 2 | | | |
| <u>Description of Project</u> | | | |
| | | | |
| <u>Location</u> | | | |
| | | | |
| <u>Justification</u> | | | |
| | | | |
| PERCENT FUNDED 25.0% | | | |
| | | | |
| Itemized Breakdown | Cost | ALLOCATION | Total |
| Total project | \$ 2,790,000 | COST FUNDED BY BUDGET / RATES | \$ 697,500 |
| | | COMPLETE IN YEAR OF ? | 2025 |
| | | YEARS TO PREPARE | 5 |
| | | COST PER YEAR | \$ 139,500.00 |
| | | REMAINING COST | \$ 2,092,500 |
| Total Cost of Project | | | |
| | \$ 2,790,000 | | |
| | | Funding Sources: | Total |
| | | COST FUNDED BY RATES | \$ 697,500 |
| | | Other funding sources or from existing savings | \$ 2,092,500 |
| | | | |
| | | | |
| | | | |
| | | Total Cost of Project | \$ 2,790,000 |
| Complete in Year Of 2025 ? | | Priority Rating | |
| Is Year Flexible? | | A - Immediate (Health & Safety, Structural) | |
| Priority Rating "A,B,C" | | B - Needed Benefit, But not Critical to operation of system | |
| | | C - Long Term Goal | |

| | | | |
|-------------------------------|---|---|---------------------|
| CAPITAL ITEM > | N Lane St. / MacArthur St Water/Sewer/Street | | |
| Description of Project | | | |
| Location | | | |
| Justification | | | |
| | PERCENT FUNDED | 25% | |
| Itemized Breakdown | Cost | ALLOCATION | Total |
| Sewer Portion | \$ 877,530 | COST FUNDED BY BUDGET / RATES | \$ 219,383 |
| | | COMPLETE IN YEAR OF ? | 2025 |
| | | YEARS TO PREPARE | 5 |
| | | COST PER YEAR | \$ 43,876.50 |
| | | REMAINING COST | \$ 658,148 |
| Total Cost of Project | \$ 877,530 | | |
| | | Funding Sources: | Total |
| | | COST FUNDED BY BUDGET / RATES | \$ 219,383 |
| | | Other funding sources | \$ 658,148 |
| | | Total Cost of Project | \$ 877,530 |
| Complete in Year Of | 2025 | Priority Rating | |
| Is Year Flexible? | YES | A - Immediate (Health & Safety, Structural) | |
| Priority Rating "A,B,C" | C | B - Needed Benefit, But not Critical to operation of system | |
| | | C - Long Term Goal | |

| | | | |
|--------------------------------|---|---|------------------|
| CAPITAL ITEM > | Parkwood Street Water/sewer/Street | | |
| <u>Description of Project</u> | | | |
| | | | |
| <u>Justification</u> | | | |
| | | | |
| | PERCENT FUNDED | 25.0% | |
| Itemized Breakdown | Cost | ALLOCATION | Total |
| Sewer portion | \$ 84,315 | COST FUNDED BY BUDGET / RATES | \$ 21,079 |
| | | COMPLETE IN YEAR OF ? | 2025 |
| | | YEARS TO PREPARE | 5 |
| | | COST PER YEAR | \$ 4,215.75 |
| | | REMAINING COST | \$ 63,236 |
| Total Cost of Project | \$ 84,315 | Funding Sources: | Total |
| | | COST FUNDED BY BUDGET / RATES | \$ 21,079 |
| | | Other funding sources | \$ 63,236 |
| | | Total Cost of Project | \$ 84,315 |
| Complete in Year Of | 2025 ? | Priority Rating | |
| Is Year Flexible? | YES | A - Immediate (Health & Safety, Structural) | |
| Priority Rating "A,B,C" | C | B - Needed Benefit, But not Critical to operation of system | |
| | | C - Long Term Goal | |

| | | | |
|---|-------------------|---|---|
| CAPITAL ITEM > Relocate Beagle Street Lift Station | | | |
| <u>Description of Project</u> | | | |
| | | | |
| <u>Justification</u> | | | |
| | | | |
| PERCENT FUNDED 5% | | | |
| | ALLOCATION | Total | |
| Itemized Breakdown | Cost | COST FUNDED BY BUDGET / RATES | Funding Sources: |
| Total Project | \$ 342,000 | \$ 17,100 | COST FUNDED BY BUDGET / RATES \$ 17,100 |
| | | COMPLETE IN YEAR OF ? 2025 | Other funding sources \$ 324,900 |
| | | YEARS TO PREPARE 5 | |
| | | COST PER YEAR \$ 3,420.00 | |
| | | REMAINING COST \$ 324,900 | |
| Total Cost of Project | \$ 342,000 | | Total Cost of Project \$ 342,000 |
| Complete in Year Of 2025 | | Priority Rating | |
| Is Year Flexible? | YES | A - Immediate (Health & Safety, Structural) | |
| Priority Rating "A,B,C" | C | B - Needed Benefit, But not Critical to operation of system | |
| | | C - Long Term Goal | |

| | | | |
|-------------------------------|-------------------------------------|---|---------------------|
| CAPITAL ITEM > | US223 Sewer Line Replacement | | |
| <u>Description of Project</u> | | | |
| | | | |
| <u>Location</u> | | | |
| | | | |
| <u>Justification</u> | | | |
| | | | |
| | PERCENT FUNDED | 25% | |
| Itemized Breakdown | Cost | ALLOCATION | Total |
| Total Project | \$ 1,762,000 | COST FUNDED BY BUDGET / RATES | \$ 440,500 |
| | | COMPLETE IN YEAR OF ? | 2030 |
| | | YEARS TO PREPARE | 10 |
| | | COST PER YEAR | \$ 44,050.00 |
| | | REMAINING COST | \$ 1,321,500 |
| Total Cost of Project | \$ 1,762,000 | | |
| | | Funding Sources: | Total |
| | | COST FUNDED BY BUDGET / RATES | \$ 440,500 |
| | | Other funding sources | \$ 1,321,500 |
| | | Total Cost of Project | \$ 1,762,000 |
| Complete in Year Of | 2030 | Priority Rating | |
| Is Year Flexible? | YES | A - Immediate (Health & Safety, Structural) | |
| Priority Rating "A,B,C" | C | B - Needed Benefit, But not Critical to operation of system | |
| | | C - Long Term Goal | |

CAPITAL ITEM > Automatic Meter System

Description of Project

Location

Justification

| Itemized Breakdown | Cost |
|------------------------------|-------------------|
| Sewer portion | \$ 500,000 |
| | |
| | |
| | |
| | |
| | |
| Total Cost of Project | \$ 500,000 |

| PERCENT FUNDED | | 25% |
|-------------------------------|--|---------------------|
| ALLOCATION | | Total |
| COST FUNDED BY BUDGET / RATES | | \$ 125,000 |
| COMPLETE IN YEAR OF ? | | 2030 |
| YEARS TO PREPARE | | 10 |
| COST PER YEAR | | \$ 12,500.00 |
| REMAINING COST | | \$ 375,000 |

| Funding Sources: | Total |
|-------------------------------|-------------------|
| COST FUNDED BY BUDGET / RATES | \$ 125,000 |
| Other funding sources | \$ 375,000 |
| | |
| | |
| Total Cost of Project | \$ 500,000 |

Complete in Year Of **2030**
 Is Year Flexible? **YES**
 Priority Rating "A,B,C" **C**

Priority Rating
 A - Immediate (Health & Safety, Structural)
 B - Needed Benefit, But not Critical to operation of system
 C - Long Term Goal

CAPITAL ITEM > Walnut Street Sewer

Description of Project

Location

Justification

| | | PERCENT FUNDED | 25.0% | | |
|------------------------------|-------------------|--------------------------------------|--------------------|--------------------------------------|--|
| | | ALLOCATION | Total | Funding Sources: | |
| Itemized Breakdown | | COST FUNDED BY BUDGET / RATES | \$ 84,600 | COST FUNDED BY BUDGET / RATES | |
| Walnut Street | \$ 338,400 | COMPLETE IN YEAR OF ? | 2030 | Other funding sources | |
| | | YEARS TO PREPARE | 10 | | |
| | | COST PER YEAR | \$ 8,460.00 | | |
| | | REMAINING COST | \$ 253,800 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Total Cost of Project | \$ 338,400 | | | Total Cost of Project | |
| | | | | \$ 338,400 | |

Complete in Year Of **2030**
Is Year Flexible? YES
Priority Rating "A,B,C" C

Priority Rating
 A - Immediate (Health & Safety, Structural)
 B - Needed Benefit, But not Critical to operation of system
 C - Long Term Goal

CAPITAL ITEM > Adrian Street

Description of Project

Location

Justification

| | | PERCENT FUNDED | | 25% | |
|------------------------------|-------------------|-------------------------------|--------------|-------------------------------|-------------------|
| Itemized Breakdown | Cost | ALLOCATION | Total | Funding Sources: | Total |
| | \$ 775,100 | COST FUNDED BY BUDGET / RATES | \$ 193,775 | COST FUNDED BY BUDGET / RATES | \$ 193,775 |
| | | COMPLETE IN YEAR OF ? | 2030 | Other funding sources | \$ 581,325 |
| | | YEARS TO PREPARE | 10 | Grants | |
| | | COST PER YEAR | \$ 19,377.50 | Loan | |
| | | REMAINING COST | \$ 581,325 | Bonds | |
| Total Cost of Project | \$ 775,100 | | | Total Cost of Project | \$ 775,100 |

Complete in Year Of **2030**
Is Year Flexible? YES
Priority Rating "A,B,C" C

Priority Rating
 A - Immediate (Health & Safety, Structural)
 B - Needed Benefit, But not Critical to operation of system
 C - Long Term Goal

CAPITAL ITEM > Maple Street PS Sewer

Description of Project

Location

Justification

| | | PERCENT FUNDED | 25.0% | | |
|------------------------------|-------------------|-------------------------------|--------------|-------------------------------|-------------------|
| Itemized Breakdown | Cost | ALLOCATION | Total | Funding Sources: | Total |
| | \$ 559,400 | COST FUNDED BY BUDGET / RATES | \$ 139,850 | COST FUNDED BY BUDGET / RATES | \$ 139,850 |
| | | COMPLETE IN YEAR OF ? | 2040 | Other funding sources | \$ 419,550 |
| | | YEARS TO PREPARE | 20 | | |
| | | COST PER YEAR | \$ 6,992.50 | | |
| | | REMAINING COST | \$ 419,550 | | |
| Total Cost of Project | \$ 559,400 | | | Total Cost of Project | \$ 559,400 |

Complete in Year Of **2040**
Is Year Flexible? YES
Priority Rating "A,B,C" C

Priority Rating
 A - Immediate (Health & Safety, Structural)
 B - Needed Benefit, But not Critical to operation of system
 C - Long Term Goal

CAPITAL ITEM > Adrian Street Sewer Replacement

Description of Project

Location

Justification

| | | | | | |
|------------------------------|--------------------|-------------------------------|---------------------|-------------------------------|--------------------|
| | | PERCENT FUNDED | 25% | | |
| Itemized Breakdown | Cost | ALLOCATION | Total | Funding Sources: | Total |
| | \$1,334,500 | COST FUNDED BY BUDGET / RATES | \$ 333,625 | COST FUNDED BY BUDGET / RATES | \$ 333,625 |
| | | COMPLETE IN YEAR OF ? | 2035 | OTHER FUNDING SOURCES | \$ 1,000,875 |
| | | YEARS TO PREPARE | 15 | | |
| | | COST PER YEAR | \$ 22,241.67 | | |
| | | REMAINING COST | \$ 1,000,875 | | |
| Total Cost of Project | \$1,334,500 | | | Total Cost of Project | \$1,334,500 |

Priority Rating
 A - Immediate (Health & Safety, Structural)
 B - Needed Benefit, But not Critical to operation of system
 C - Long Term Goal

Complete in Year Of **2035**
 Is Year Flexible? **YES**
 Priority Rating "A,B,C" **C**