VILLAGE OF BLISSFIELD
WATER RATE
CALCULATION REPORT

MAY 2022'

Prepared By:

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YOUR RATE EVALUATION SHOULD BE REVIEWED BY A CERTIFIED FINANCIAL PLANNER AND YOUR ATTORNEY

VILLAGE OF BLISSFIELD
WATER RATE
CALCULATION REPORT

DATE October 2022'

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INTRODUCTION

Quality drinking water is an essential public service provided to residents. Without a water system the community would cease to exist. Over many years your community has invested in the essential infrastructure and services necessary to provide it's residents with safe and reliability drinking water.

The construction and maintenance of this infrastructure is one of the most costly investments the residents in your community will 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 of more.

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BACKGROUND / STARTING INFORMATION

Name of Community :	BLISSFIELD WATER
PHYSICAL ADDRESS	130 SOUTH LANE ST.
MAILING?	PO BOX 129
ZIP CODE	49228
OFFICE PHONE NUMBER	517-486-4347
Can information in this report be used and submitted for USDA Rural Development (Similar Systems Survey)	
BUDGET FOR FISCAL YEARS *STARTING*	2021
PRIMARY WATER SOURCE	SURFACE WATER
PRIMARY TREATMENT TYPE	HIGH TREATMENT RO
PRIMARY DISTRIBUTION TYPE	GRAVITY & TOWER
WATER SYSTEM IMPROVEMENTS COMPLETED OVER LAST TEN YEARS	
MAJOR SYSTEM IMPROVEMENT PLANS FOR NEXT 10 YRS	

Current Rate Structure

Are bills based on 1,000 gallons units or 100 cubic feet units?	1,000
Number of Customer Invoices per Year	12
What are the dates of the Fiscal Year	OCTOBER 1ST'
List the names of the different Entities Served OR RATE CLASSES - Originating Entity - RATE CLASS 1	BLISSFIELD WATER
2nd Entity	OUTSIDE VILLAGE LIMITS
3rd Entity	>4" - 1
4th Entity	>4" - 2
5th Entity	>4" - 3
6th Entity	

BLISSFIELD WATER

CURRENT RATE CHARGES & NUMBER OF CUSTOMERS

Customers Are Invoice **MONTHLY PER**

BLISSFIELD WATER

TYPE OF WATER UNITS	1,000 GALLONS	Charged a RTS based on meter size with a commodity charge per 1,000 gallons. Meters greater than 4" are charged the same as the city customers and is included in the 3rd, 4th, and 5th entities. Multi-unit accounts are charged the 3/4" base rate times the number of units.		
COST PER 1,000 GAL.	$5.95			
INVOICES PER YEAR	12			
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
3/4	$49.18	1688	12	$996,190
1	$82.13	12	12	$11,827
1 1/2	$163.77	4	12	$7,861
2	$262.13	9	12	$28,310
3	$524.75	2	12	$12,594
4	$819.83	6	12	$59,028
6			12	$0
8			12	$0
	TOTALS	1721		$1,115,810

OUTSIDE VILLAGE LIMITS

TYPE OF WATER UNITS	1,000 GALLONS	Ratio Entity # 2 vs. 1	Charged a RTS base on meter size with a commodity charge per 1,000 gallons. Meters greater than 4" are charged the same as the city customers and is included in the 3rd, 4th, and 5th entities.		
COST PER WATER UNIT	$11.90	2.00			
INVOICES PER YEAR	12				
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	Ratio Entity # 2 vs. 1	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
3/4	$98.36	2.00	27	12	$31,869
1	$164.26		0	12	$0
1 1/2	$327.54		0	12	$0
2	$524.26		0	12	$0
3	$1,049.50		0	12	$0
4	$1,639.66		1	12	$19,676
6				12	$0
8				12	$0
			28		$51,545

>4" - 1

TYPE OF WATER UNITS	1,000 GALLONS	Ratio Entity # 3 vs 1	Charged a RTS of $20,224.22 and a commodity charge of $4.72 per 1,000 gallons. Customers have this rate for usage of 1,000,000 to 14,583,332 gallons per month or 174,999,999 gallons per year. The MGP account is charged this rate		
COST PER WATER UNIT	$4.72	0.79			
INVOICES PER YEAR	12				
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	Ratio Entity # 3 vs 1	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
ALL	$20,224.22	411.23	1	12	$242,691
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
			1		$242,691

>4" - 2

TYPE OF WATER UNITS	1,000 GALLONS	Ratio Entity # 4 vs 1	Charged a RTS of $20,224.22 and a commodity charge of $4.20 per 1,000 gallons. Customers have this rate for usage between 14,583,332 (174,999,999 per year) and 16,666,666 gallons per month (200,000,000 per year) The RIGA flushing account is billed for usage at this rate but not the commodity charge.		
COST PER WATER UNIT	$4.20	0.71			
INVOICES PER YEAR	12				
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	Ratio Entity # 4 vs 1	NUMBER OF METERS / REU'S	INVOICES PER YEAR	ANNUAL INCOME
ALL	$20,224.22	411.23	0	12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
			0		$0

>4" - 3

TYPE OF WATER UNITS	1,000 GALLONS	Ratio Entity # 5 vs 1	Charged a RTS of $20,224.22 and a commodity charge of $3.77 per 1,000 gallons.		
COST PER WATER UNIT	$3.77	0.63			
INVOICES PER YEAR	12				
METER SIZE IN INCHES	CURRENT "BASE RATE" CHARGE	Ratio Entity # 5 vs 1	NUMBER OF METERS / REU'S	INVOICE FREQUENCY	ANNUAL INCOME
ALL	$20,224.22	411.23		12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
				12	$0
			0.0		$0

METER EQUIVALENTS BY SIZE AND COST RATIO

100% 1.00

2021 YEAR 1	CURRENT CHARGES	RATE CLASS 2	RATE CLASS 3	RATE CLASS 4	RATE CLASS 5					NEW RATES
	BLISSFIELD WATER	OUTSIDE VILLAGE LIMITS	>4" - 1	>4" - 2	>4" - 3					BLISSFIELD WATER
METER SIZE IN INCHES	NUMBER OF METERS / REU'S	NUMBER OF METERS / REU'S	NUMBER OF METERS / REU'S	NUMBER OF METERS / REU'S	NUMBER OF METERS / REU'S	TOTAL CUSTOMERS ALL ENTITIES	SELECTED METER EQUIVALENT	CALCULATED METER EQUIVALENT USED	ANNUAL METER EQUIVALENTS	ORIGINAL ENTITY 1
3/4	1688	27	1	0	0	1716	1.00	1.00	25,839	$51.17
1	12	0	0	0	0	12	1.67	1.67	240	$85.45
1 1/2	4	0	0	0	0	4	3.33	3.33	160	$170.39
2	9	0	0	0	0	9	5.33	5.33	576	$272.73
3	2	0	0	0	0	2	10.67	10.67	256	$545.97
4	6	1	0	0	0	7	16.67	16.67	1,600	$852.99
6	0	0	0	0	0	0	0.00	0.00		$0.00
8	0	0	0	0	0	0	0.00	0.00		$0.00
TOTAL	1721	28	1	0	0	1750				
								ANNUAL METER *EQUIVALENTS* USED FOR RATE CALCULATION	28,671	

X CHECK BOX TO CONFIRM THAT METER EQUIVALENT RATIOS WERE DISCUSSED AND CHOSEN BY COMMUNITY

This table list the number of water meters being invoiced for each size water meter. It then calculates the annual meter equivalent REU's (Residential Equivalent Meters). This figure will be used to calculate the Ready to Serve Charge for each meter size.

BLISSFIELD WATER — **UNITS OF WATER INVOICED TO CUSTOMERS** — **FOR THIS EVALUATION WE WILL USE THE** **AVERAGE**

USAGE REPORTED IN **GALLONS**

USAGE REPORTED IN **FISCAL YEARS**

	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	AVERAGE	MAX. YEAR	MIN. YEAR	PERCENT DIFFERENCE FROM MAX. TO MIN. YEAR	ANTICIPATED PERCENT INCREASE NEXT YEAR	UNITS USED IN RATE EVALUATION
BLISSFIELD WATER		94,485,830	94,707,101	83,775,177	**74,835,686**	**86,950,949**	**94,707,101**	**74,835,686**	21%	**0.0%**	**74,835,686**
OUTSIDE VILLAGE LIMITS		**1,259,790**	**1,455,950**	**1,316,650**	**3,100,200**	**1,783,148**	**3,100,200**	**1,259,790**	59%	**0.0%**	**1,259,790**
>4" - 1		**141,968,381**	**163,851,164**	**90,808,790**	**88,000**	**84,915,985**	**163,851,164**	**88,000**	100%	**0.0%**	**88,000**
>4" - 2					**3,526,279**	**3,526,279**	**3,526,279**	**3,526,279**	0%	**0.0%**	**3,526,279**
>4" - 3										**2.0%**	**0**
TOTALS	**0**	**237,714,001**	**260,014,215**	**175,900,617**	**81,550,165**	**177,176,360**	**265,184,744**	**79,709,755**	45%		**79,709,755**

WHO PROVIDED UNITS INVOICED REPORT	**Brandon Hudson**
WAS THE REPORT COPIED INTO THIS EXCEL FILE?	yes
WAS AN ELECTRONIC COPY OF THE ORIGINAL KEPT ?	yes

GALLONS INCREASE	**0**
GALLONS / VOLUME USED FOR EVALUATION	**79,709,755**

The Volumes listed above are only those gallons that are a revenue source.
The gallons listed above were generated by the COMMUNITY. The COMMUNITY takes full responsibility for the accuracy of these numbers. And the anticipated units of water invoiced used to calculate the user rates.
PER

[X] **CHECK BOX TO CONFIRM THAT UNITS USED FOR EVALUATION WAS DISCUSSED AND CHOSEN BY COMMUNITY**

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BLISSFIELD WATER

BALANCE PER BOOKS

BALANCES WERE OBTAINED ON DATE OF

CHECKING ACOUNTS

Name of Account / Description	Purpose	Balance
WATER CHECKING		$ 954,216
	Total Balance	**$954,216**

GENERAL RESERVE ACCOUNTS

INCLUDING RRI, INTEREST & REDEMPTION - ETC

Name of Account / Description	Purpose	Balance
WATER SAVINGS		$658,632
	Total Balance	**$658,632**

RESTRICTED MONEY - RESTRICTED RESERVE ACCOUNTS

ONLY BOND RESERVE TYPE ACCOUNTS

Name of Account / Description	Purpose	Balance
	Total Balance	**$0**

GENERAL CHECKING	$954,216
GENERAL RESERVE	$658,632
TOTAL AVAILABLE UNRESTRICTED	**$1,612,848**
RESTRICTED	$0
TOTAL CASH BALANCE	**$1,612,848**

APPLIED TO RESERVE ACCOUNTS

EQUIPMENT REPLACEMENT # 1	$300,000
ASSET REPLACEMENT # 2	$100,000
CAPITAL IMPROVEMENT	
LAGOON CLEANING	$0
TOTAL APPLIED TO RESERVE ACCOUNTS	**$400,000**
BALANCE REMAING FOR ANNUAL EXPENSES	**$1,212,848**

CURRENT REVENUE BASED ON CURRENT RATE CHARGES

BLISSFIELD WATER		RATE CLASS 2	RATE CLASS 3	RATE CLASS 4	RATE CLASS 5	2021
	BLISSFIELD WATER	OUTSIDE VILLAGE LIMITS	>4" - 1	>4" - 2	>4" - 3	REVENUE
	New Cost per Unit of Water Sold					NEW RATES
$ PER 1,000 GAL.	$5.950	$11.900	$4.720	$4.200	$3.770	
UNITS Sold	74,836	3,100	88	3,526	0	81,550
Income	$445,272	$36,892	$415	$14,810	$0	$497,390
METER SIZE	NEW BASE RATE PER MONTH					
3/4	$49.180	$98.360	$20,224.220	$20,224.220	$20,224.220	
NO. CUSTOMERS	1,688	27	1	0	0	
INCOME	$996,190.08	$31,868.64	$242,690.64	$0.00	$0.00	$1,270,749
1	$82.13	$164.26	$0.00	$0.00	$0.00	
NO. CUSTOMERS	12	0	0	0	0	
INCOME	$11,826.72	$0.00	$0.00	$0.00	$0.00	$11,827
1 1/2	$163.77	$327.54	$0.00	$0.00	$0.00	
NO. CUSTOMERS	4	0	0	0	0	
INCOME	$7,860.96	$0.00	$0.00	$0.00	$0.00	$7,861
2	$262.13	$524.26	$0.00	$0.00	$0.00	
NO. CUSTOMERS	9	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	108	0	0	0	0	
INCOME	$28,310.04	$0.00	$0.00	$0.00	$0.00	$28,310
3	$524.75	$1,049.50	$0.00	$0.00	$0.00	
NO. CUSTOMERS	2	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	24	0	0	0	0	
INCOME	$12,594.00	$0.00	$0.00	$0.00	$0.00	$12,594
4	$819.83	$1,639.66	$0.00	$0.00	$0.00	
NO. CUSTOMERS	6	1	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	72	12	0	0	0	
INCOME	$59,027.76	$19,675.92	$0.00	$0.00	$0.00	$78,704
					CURRENT Fixed Income "RTS"	$1,410,045
					CURRENT VOLUME "UNITS WATER INVOICED" INCOME	$497,390
					CURRENT INCOME - GENERATED WITH CURRENT RATES RTS & UNITS INVOICED	$1,907,435
					LAST YEARS NON-SALES INCOME	$76,100
					LAST YEARS TOTAL COMBINED INCOME	$1,983,535

PRIOR YEAR ACTUALS EXPENSES (**COMPARISON PURPOSES ONLY**)				**BLISSFIELD WATER**	**PROPOSED BUDGET FOR FISCAL YEAR**	**YEAR 2**	**YEAR 3**	**YEAR 4**	**YEAR 5**
						PROJECTED BUDGET	**PROJECTED BUDGET**	**PROJECTED BUDGET**	**PROJECTED BUDGET**
				ANNUAL PERCENT INCREASE		**2.00%**	**2.00%**	**2.00%**	**2.00%**
2018/2019	**2019/2020**	**2020/2021**	**ACCT #**	**ADMINISTRATION 595-900**	**2021**	**2022**	**2023**	**2024**	**2025**
$63,256	$41,266	$45,953	595-900-703.000	CLERK/TREAS WAGES	**$44,365**	$44,365	$45,252	$46,157	$47,080
$38,449	$29,589	$35,510	595-900-705.000	ADMIN WAGES	**$23,475**	$23,475	$23,945	$24,423	$24,912
$12,635	$9,996	$9,402	595-900-719.000	ADM BENEFITS	**$5,320**	$5,320	$5,426	$5,535	$5,645
$5,562	$3,865	$5,265	595-900-719.002	RETIREMENT EXPENSE	**$11,872**	$11,872	$12,109	$12,352	$12,599
$20,887	$10,919	$9,255	595-900-719.003	HEALTH INSURANCE	**$20,909**	$20,909	$21,328	$21,754	$22,189
$1,454	$837	$667	595-900-719.004	DENTAL INSURANCE	**$1,256**	$1,256	$1,281	$1,307	$1,333
$736	$531	$475	595-900-719.005	DISABILITY/LIFE	**$528**	$528	$528	$528	$528
$648	$325	$1,605	595-900-719.006	HRA	**$10,000**	$10,000	$10,200	$10,404	$10,612
$1,454	$730	$965	595-900-719.007	PAYROLL EXPENSES	**$1,000**	$1,000	$1,020	$1,040	$1,061
$363	$253	$269	595-900-719.008	WORKERS COMPENSATION	**$285**	$285	$285	$285	$285
		$62	595-900-719.009	IDENTITY GUARD INS.	**$0**	$0	$0	$0	$0
		$1,087	595-900-719.010	MERS ADMIN DEFINED CONTRIBUTION	**$0**	$0	$0	$0	$0
$11,936	$5,612	$8,497	595-900-727.000	WATER ADMIN OFFICE SUPPLIES	**$8,497**	$8,497	$8,667	$8,840	$9,017
$7,412	$8,724	$10,000	595-900-802.000	WATER AUDITOR	**$10,000**	$10,000	$10,200	$10,404	$10,612
			595-900-853.000	TELEPHONE	**$350**	$357	$364	$371	$379
$1,788		$35	595-900-864.000	WORKSHOPS & CONFERENCES	**$1,200**	$1,224	$1,248	$1,273	$1,299
$4,220	$2,138	$2,674	595-900-934.000	WATER MAINTENANCE AGREEMENT	**$4,000**	$4,080	$4,162	$4,245	$4,330
($363)	$174	$206	595-900-956.000	UTILITY ADMIN MISCELLANEOUS	**$7,000**	$7,140	$7,283	$7,428	$7,577
$316,558	$258,855		595-900-959.000	WATER PLANT DEPRECIATION		$0	$0	$0	$0
	$6,603		595-900-961.000	UTILITY TRANSFERS		$0	$0	$0	$0
33 ,800	$22,650	$22,654	595-900-965.000	WATER TRANSFERS TO DEBT SERVICE	**$25,000**	$25,500	$26,010	$26,530	$27,061
		$262	595-900-982.000	UTILITY NEW EQUIPMENT		$0	$0	$0	$0
		$45,000	595-900-992.000	WATER DWARF BOND PAYMENT	**$0**	$0	$0	$0	$0
$19,080	$8,130	$2,117	595-900-994.000	WATER DWARF INTEREST PAYMENT	**$0**	$0	$0	$0	$0
$24,180			595-900-995.000	WWTP INTEREST PAYMENT		$0	$0	$0	$0
		$80,000	595-900-996.000	WTP CAPITAL PROJECT BOND PAYMENT	**$0**	$0	$0	$0	$0
50 ,103	$50,972	$48,279	595-900-997.000	WTP CAPITAL PROJECTS BOND INTERES1	**$0**	$0	$0	$0	$0
$750			595-900-999.000	WATER WWTP TRANSFER AGENT FEES	**$750**	$765	$780	$796	$812
						$0	$0	$0	$0
$531,005	**$462,169**	**$330,239**		TOTAL	**$175,807**	**$176,573**	**$180,088**	**$183,674**	**$187,331**

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)				BLISSFIELD WATER	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	YEAR 3	YEAR 4	YEAR 5
						NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR
					ANNUAL PERCENT INCREASE	2.00%	2.00%	2.00%	2.00%
2018/2019	2019/2020	2020/2021	ACCT #	WATER DISTRIBUTION 595-554	2021	2022	2023	2024	2025
$66,488	$50,942	$25,878	595-554-706.000	WATER DISTRIBUTION DPW WAGES	$37,500	$38,250	$39,015	$39,795	$40,591
$2,741	$3,898	$1,980	595-554-719.000	BENEFITS	$2,900	$2,958	$3,017	$3,078	$3,139
$7,869	$5,630	$3,650	595-554-719.002	RETIREMENT EXPENSE	$6,563	$6,694	$6,828	$6,964	$7,103
$16,563	$10,886	$6,330	595-554-719.003	HEALTH INSURANCE	$10,300	$10,506	$10,716	$10,930	$11,149
$1,422	$1,028	$496	595-554-719.004	DENTAL INSURANCE	$850	$867	$884	$902	$920
$565	$400	$173	595-554-719.005	DISABILITY/LIFE	$300	$306	$312	$318	$325
$421	$423	$2,087	595-554-719.006	HRA	$2,400	$2,448	$2,497	$2,547	$2,598
$2,668	$2,140	$1,356	595-554-719.008	WORKERS COMPENSATION	$1,300	$1,326	$1,353	$1,380	$1,407
		$21	595-554-719.009	IDENTITY GUARD INSURANCE	$50	$51	$52	$53	$54
$1,642	$653	$1,420	595-554-740.000	WATER DISTRIBUTION TOOLS AND SUPPI	$2,250	$2,295	$2,341	$2,388	$2,435
			595-554-768.000	CLOTHING	$3,000	$3,060	$3,121	$3,184	$3,247
$34,840	$24,357	$25,394	595-554-818.000	WATER DISTRIBUTION OUTSIDE CONT	$42,000	$42,840	$43,697	$44,571	$45,462
			595-554-853.000	TELEPHONE	$1,100	$1,122	$1,144	$1,167	$1,191
$2,494	$2,372	$1,805	595-554-921.000	WATER TOWER ELECTRIC	$2,500	$2,550	$2,601	$2,653	$2,706
$3,145	($712)	$2,337	595-554-933.000	WATER DISTRIBUTION EQUIPMENT MAIN1	$3,000	$3,060	$3,121	$3,184	$3,247
$15,480	$9,104	$15,186	595-554-943.000	WATER DISTRIBUTION EQUIPMENT RENT,	$17,000	$17,340	$17,687	$18,041	$18,401
$1,115	$1,044	$189	595-554-956.000	WATER DISTRIBUTION MISC	$750	$765	$780	$796	$812
$1,882	$870	$613	595-554-960.000	WATER DISTRIBUTION EDUCATION	$3,000	$3,060	$3,121	$3,184	$3,247
			595-554-970.001	CAPITAL PROJECTS	$0	$0	$0	$0	$0
$3,631	$523	$4,475	595-554-982.000	WATER DISTRIBUTION NEW EQUIP	$0	$0	$0	$0	$0
						$0	$0	$0	$0
$162,966	**$113,558**	**$93,390**		WATER DISTRIBUTION 595-554	**$136,763**	**$139,498**	**$142,288**	**$145,133**	**$148,036**

PRIOR YEAR ACTUALS EXPENSES (COMPARISON PURPOSES ONLY)				BLISSFIELD WATER	PROPOSED BUDGET FOR FISCAL YEAR	YEAR 2	YEAR 3	YEAR 4	YEAR 5
						NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR	NEW BUDGET FOR YEAR
					ANNUAL PERCENT INCREASE	2.00%	2.00%	2.00%	2.00%
2018/2019	2019/2020	2020/2021	ACCT #	WATER PLANT 595-556	2021	2022	2023	2024	2025
$245,784	$264,765	$257,337	595-556-706.000	WATER OPERATOR WAGES	$288,000	$293,760	$299,635	$305,628	$311,740
$4,574	$4,389	$45,880	595-556-706.001	DPW WATER WAGES	$41,210	$42,035	$42,875	$43,733	$44,607
$10,958	$20,590	$23,173	595-556-719.000	WATER BENEFITS	$25,185	$25,688	$26,202	$26,726	$27,261
$28,242	$29,574	$38,425	595-556-719.002	RETIREMENT EXPENSE	$57,612	$58,764	$59,939	$61,138	$62,361
$65,124	$59,885	$57,564	595-556-719.003	HEALTH INSURANCE	$83,807	$85,483	$87,193	$88,937	$90,716
$4,767	$4,822	$4,648	595-556-719.004	DENTAL INSURANCE	$6,010	$6,130	$6,252	$6,377	$6,505
$1,851	$2,108	$2,275	595-556-719.005	DISABILITY/LIFE	$2,345	$2,392	$2,439	$2,488	$2,538
$1,610	$1,618	$7,984	595-556-719.006	HRA	$9,000	$9,180	$9,364	$9,551	$9,742
$4,222	$9,573	$11,002	595-556-719.008	WORKERS COMPENSATION	$11,777	$12,013	$12,253	$12,498	$12,748
		$335	595-556-719.009	IDENTITY GUARD INSURANCE	$0	$0	$0	$0	$0
$953	$1,014	$1,133	595-556-727.000	WATER PLANT OFFICE SUPPLIES	$1,000	$1,020	$1,040	$1,061	$1,082
$3,280	$4,043	$5,146	595-556-740.000	WATER PLANT TOOLS & SUPPLIES	$6,000	$6,120	$6,242	$6,367	$6,495
$267,698	$210,754	$186,771	595-556-743.000	WATER PLANT CHEMICALS	$250,000	$255,000	$260,100	$265,302	$270,608
$23,021	$29,227	$21,523	595-556-757.000	WATER PLANT LAB SUPPLIES	$24,000	$24,480	$24,970	$25,469	$25,978
$2,161	$1,485	$2,357	595-556-768.000	WATER PLANT CLOTHING	$2,500	$2,550	$2,601	$2,653	$2,706
$9,705	$6,104	$50,015	595-556-818.000	WATER PLANT OUTSIDE CONTRACTOR	$25,000	$25,500	$26,010	$26,530	$27,061
$4,686	$1,801		595-556-821.000	WATER PLANT ENGINEERING	$14,000	$14,280	$14,566	$14,857	$15,154
$27,323	$28,625	$22,229	595-556-822.000	DUMPSTER WASTE AT WTP	$35,000	$35,700	$36,414	$37,142	$37,885
			595-556-823.000	DUMPSTER LINERS AT WTP	$2,500	$2,550	$2,601	$2,653	$2,706
$37,443	$19,251	$8,636	595-556-824.000	SLUDGE SYSTEM CHEMICALS	$26,000	$26,520	$27,050	$27,591	$28,143
$1,602	$2,475	$2,948	595-556-853.000	WATER PLANT TELEPHONE	$3,000	$3,060	$3,121	$3,184	$3,247
$8,200	$9,804	$10,295	595-556-913.000	WATER PLANT INSURANCE	$11,000	$11,220	$11,444	$11,673	$11,907
$84,305	$74,725	$61,686	595-556-921.000	WATER PLANT ELECTRIC	$90,000	$91,800	$93,636	$95,509	$97,419
$28,978	$18,731	$24,273	595-556-923.000	WATER PLANT GAS	$34,000	$34,680	$35,374	$36,081	$36,803
	$1,865	$4,969	595-556-927.000	WATER	$6,000	$6,120	$6,242	$6,367	$6,495
	$1,216	$5,152	595-556-928.000	SEWER	$6,000	$6,120	$6,242	$6,367	$6,495
$2,827	$4,300	$2,989	595-556-931.000	WTP BUILDING AND GROUNDS MAINT	$4,500	$4,590	$4,682	$4,775	$4,871
$16,461	$13,391	$30,214	595-556-933.000	WTP EQUIPMENT MAINTENANCE	$26,000	$26,520	$27,050	$27,591	$28,143
$17,254	$11,778	$9,855	595-556-933.001	LAB: WATER TESTING	$15,000	$15,300	$15,606	$15,918	$16,236
		$863	595-556-934.000	MAINTENANCE AGREEMENT	$3,000	$3,060	$3,121	$3,184	$3,247
$3,709	$3,303	$2,409	595-556-943.000	WTP EQUIPMENT RENTAL	$4,000	$4,080	$4,162	$4,245	$4,330
$780	$520	$1,352	595-556-956.000	WTP MISCELLANEOUS	$2,000	$2,040	$2,081	$2,122	$2,165
$1,803	$3,115	$945	595-556-960.000	WTP EDUCATION	$4,000	$4,080	$4,162	$4,245	$4,330
			595-556-960.001	SWIPP	$2,000	$2,040	$2,081	$2,122	$2,165
			595-556-970.001	CAPITAL PROJECTS	$0	$0	$0	$0	$0
$17,018	($3,868)	$32,017	595-556-982.000	WTP NEW EQUIPMENT	$0	$0	$0	$0	$0
	$4,133		595-556-982.001	WTP NEW LAB EQUIPMENT	$3,500	$3,570	$3,641	$3,714	$3,789
						$0	$0	$0	$0
$926,339	**$845,116**	**$936,400**		**WATER PLANT 595-556**	**$1,124,946**	**$1,147,445**	**$1,170,394**	**$1,193,801**	**$1,217,677**

	BLISSFIELD WATER					YEAR 2	YEAR 3	YEAR 4	YEAR 5
ACCOUNT #	NON-SALES & OTHER REVENUE	2018/2019	2019/2020	2020/2021	2021	2022	2023	2024	2025
595-000-628.000	WATER TURN ON FEE			$4,950	$1,000				
595-000-642.000	SEWER CONNECTION CHARGES	$780							
595-000-643.000	WATER CONNECTION CHARGES	$780		$800					
595-000-651.000	WATER SAMPLES	$45,770	$47,910	$27,810	$25,000				
595-000-652.000	WATER SALES	$0	$0	$0	$0				
595-000-655.000	TANK WATER	$41,963	$29,581	$40,391	$32,000				
595-000-662.000	WATER LATE CHARGES	$38,903	$22,498	$27,658	$18,000				
595-000-673.000	WATER INTEREST		$183	$238	$100				
595-000-674.000	BOND REDEMPTION INTEREST		$4						
595-000-698.000	WATER MISCELLANEOUS	$24,788	$16,083	$947					
595-000-699.000	TRANSFERS	$80,000							
	TOTAL INCOME (NON SALES)	**$232,984**	**$116,259**	**$102,794**	**$76,100**	**$0**	**$0**	**$0**	**$0**
	AVERAGE NON SALES INCOME		**$174,622**	**$150,679**	**$132,034**	**$73,788**	**$44,724**	**$19,025**	**$0**
	Portion of (Non Sales) Revenue Guaranteed :				**$60,000**	**$60,000**	**$60,000**	**$60,000**	**$60,000**
	Percent Applied Towards Fixed Rate RTS Charge - PERCENT applied per REU				**73%**	**73%**	**73%**	**73%**	**73%**
	ANNUAL DOLLARS APPLIED TOWARDS **FIXED BUDGET** - BASE RATE - RTS				$43,779	$43,779	$43,779	$43,779	$43,779
	TOTAL ANNUAL RESIDENTIAL EQUIVALENT UNITS "REU'S"				28,671	28,671	28,671	28,671	28,671
	REDUCTION PER REU PER BILLING PERIOD				$1.53	$1.53	$1.53	$1.53	$1.53
	ANNUAL DOLLARS APPLIED TOWARDS **VARIABLE BUDGET** - PER UNIT				$16,221	$16,221	$16,221	$16,221	$16,221
	ANNUAL UNITS OF WATER OR SEWER INVOICED				79,710	79,710	79,710	79,710	79,710
	REDUCTION PER UNIT OF WATER OR SEWER				$0.20	$0.20	$0.20	$0.20	$0.20
	A portion of this revenue will be re-applied back to the water budget to help lower the water rates.								

17 ***LOAN / DEBT INFORMATION INDEX***

18 DEBT SCHEDULE / AMORTIZATION SCHEDULE PRINCIPAL & INTEREST

BLISSFIELD WATER

2021

DEBT SCHEDULE / AMORTIZATION SCHEDULE PRINCIPAL & INTEREST

		1	2	3	4	5	6	7	8	9	10
	FISCAL YEAR STARTING	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2011 CAPITAL IMPROVEMENT BOND		$129,989	$131,496	$127,905	$129,214	$125,424	$121,633	$142,344	$142,456	$137,469	$132,481
DATE OF ISSUE	2012										
DATE OF MATURITY	2032										
PAID BY RATES	**YES**										
RESERVE REQUIREMENT	NO										
TOTAL CURRENT ANNUAL DEBT PAYMENTS		**$129,989**	**$131,496**	**$127,905**	**$129,214**	**$125,424**	**$121,633**	**$142,344**	**$142,456**	**$137,469**	**$132,481**
ESTIMATED COST PER REU		$4.53	$4.59	$4.46	$4.51	$4.37	$4.24	$4.96	$4.97	$4.79	$4.62

CAPITAL IMPROVEMENT & EQUIPMENT REPLACEMENT INDEX

19 ***CAPITAL IMPROVEMENT & EQUIPMENT REPLACEMENT INDEX***

20 WATER PLANT EQUIPMENT REPLACEMENT LIST

21 WATER PLANT EQUIPMENT REPLACEMENT LIST

22 WATER PLANT EQUIPMENT REPLACEMENT FUND BALANCE

23 DISTRIBUTION EQUIPMENT REPLACEMENT LIST

24 DISTRIBUTION EQUIPMENT REPLACEMENT FUND BALANCE

25 CAPITAL IMPROVEMENT PROJECT LIST

26 CAPITAL IMPROVEMENT FUND BALANCE

BLISSFIELD WATER

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2021

SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS

YOUR ANTICIPATED NORMAL INTENDED USEFUL LIFE OR YEARS BETWEEN REHAB SHOULD BE BASED ON PAST MAINTENANCE HISTORY, WELL MAINTENANCE RECORDS AND WATER TOWER INSPECTION REPORTS. - A COPY OF THESE REPORTS SHOULD BE INCLUDED IN YOUR RATE EVALUATION AS AN ATTACHMENT OR APPENDIX --- ALSO NOTE; IF YOU ARE APPLYING FOR A USDA RURAL DEVELOPMENT GRANT OR HOPE TO GET A USDA GRANT - THE REMAINING YEARS OF LIFE FOR ANY EQUIPMENT CAN NOT EXCEED 15 YEARS. FOR ANYTHING - WATER METERS WATER TOWER PAINTING ETC. ONCE THE USEFUL LIFE OR NEXT ANTICIPATED MAINTENANCE IS LESS THAN 15 YEARS AWAY IT CAN BE LISTED HERE,

FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR OR LAST REHAB YEAR	ESTIMATED NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT ANTICIPATED REPLACEMENT YEAR	**REMAINING LIFE - YEARS BEFORE REPLACEMENT**	TOTAL REPLACEMENT COST	PERCENT OF ASSET LEFT	REPLACEMENT MONEY RESERVED ANNUALLY
Raw water intake - installed 1999									
Intake cleaning and inspection	Done every 5 years	2019	5	2	2024	**3**	$5,000	60%	$1,000
Air scour line - inspection	Has not blown off properly since 2018	2018	5	3	2023	**2**	$5,000	40%	$1,000
Screen repair or replacemnt	never repaired orginal 1999								
Raw well inspection	never inspected 251.2 ft2 X 8 = 15,030 gallons	2018	5	3	2023	**2**	$5,000	40%	$1,000
Raw water pump #1	vertical turbine 833 gpm	2017	7	4	2024	**3**	$31,000	43%	$4,429
Raw water pump #2	vertical turbine 833 gpm	2015	7	6	2022	**1**	$32,000	14%	$4,571
Raw water pump #3	vertical turbine 833 gpm	2018	7	3	2025	**4**	$33,000	57%	$4,714
3 - pretreatment mixers - motors	$600.00 a piece US motors	2000	25	21	2025	**4**	$1,800	16%	$72
2- rapid mixers - motors	$500.00 a piece US motors	2000	25	21	2025	**4**	$1,000	16%	$40
Claifiers 1 & 2 - orginal to plant 2000									
2-Mixers - motors	SEW-Eurodrive 5 HP - $5,000 each	2011	15	10	2026	**5**	$10,000	33%	$667
2- Sludge collectors	SEW-Eurodrive 0.3 HP -$3,000 each	1999	33	22	2032	**11**	$6,000	33%	$182
2- drain pumps	ABS - AFP1 series - $3,000 a piece	1999	28	22	2027	**6**	$6,000	21%	$214
2- sludge pumps	ABS - AFP1 series - $3,000 a piece	1999	28	22	2027	**6**	$6,000	21%	$214
Filter Media	4- Filter beds each 208.33 sq.ft - 57 inches of anthracite & Sand	2025	25	-4	2050	**29**	$200,000	116%	$8,000
2- filter backwash pumps	2,496 gpm verticle turbines	2000	37	21	2037	**16**	$150,000	43%	$4,054
2- filter to waste pumps	Peerless Horizontal centrifugal pump - $5,000 a piece	2000	27	21	2027	**6**	$10,000	22%	$370
High service pump #1	970 gpm	2000	32	21	2032	**11**	$75,000	34%	$2,344
High Service pump #2	970 gpm	2000	32	21	2032	**11**	$75,000	34%	$2,344
VFD #1	for high service #1	2021	2	0	2023	**2**	$9,000	100%	$4,500
VFD #2	For high service #2	2021	3	0	2024	**3**	$9,000	100%	$3,000

BLISSFIELD WATER
EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2021

SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS

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FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR OR LAST REHAB YEAR	ESTIMATED NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT ANTICIPATED REPLACEMENT YEAR	**REMAINING LIFE - YEARS BEFORE REPLACEMENT**	TOTAL REPLACEMENT COST	PERCENT OF ASSET LEFT	REPLACEMENT MONEY RESERVED ANNUALLY
Potassium permangate pump	Jesco	2015	8	6	2023	**2**	$5,200	25%	$650
caustic pump #1	Jesco	2015	8	6	2023	**2**	$5,200	25%	$650
Caustic Pump #2	Jesco	2015	9	6	2024	**3**	$6,000	33%	$667
Ferric pump #1	Jesco	2015	9	6	2024	**3**	$6,000	33%	$667
Ferric Pump #2	Jesco	2015	10	6	2025	**4**	$6,300	40%	$630
Fluoride pump	Prominent Gamma 4	2010	15	11	2025	**4**	$6,300	27%	$420

BLISSFIELD WATER

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2021

SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS

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FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR OR LAST REHAB YEAR	ESTIMATED NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT ANTICIPATED REPLACEMENT YEAR	**REMAINING LIFE - YEARS BEFORE REPLACEMENT**	TOTAL REPLACEMENT COST	PERCENT OF ASSET LEFT	REPLACEMENT MONEY RESERVED ANNUALLY
Phosphate pump	Jesco DX8	2010	15	11	2025	**4**	$6,500	27%	$433
Left Chlorinator	Regal	2017	8	4	2025	**4**	$5,000	50%	$625
Right Chloriniator	Regal	2017	8	4	2025	**4**	$5,000	50%	$625
Carbon bulk mixer	us motor VN32t2bc	2000	30	21	2030	**9**	$1,200	30%	$40
Carbon transfer pump	look @ Apex 35	2000	30	21	2030	**9**	$20,000	30%	$667
2 - Carbon feed pumps	Apex 15 - 8,000 each	2019	19	2	2038	**17**	$16,000	89%	$842
5 - inline trubidity meters	Hach TU5300 @ 4,500 each - current meters are obslete	2011	20	10	2031	**10**	$22,500	50%	$1,125
in line chlorine meter - Cl17	Hach Cl17	2019	6	2	2025	**4**	$4,000	67%	$667
Clearwell inspection	every 5 - 7 years	2020	5	1	2025	**4**	$5,000	80%	$1,000
Reline treatment basin slide gates	seals on the gates between treatment basins	2000	25	21	2025	**4**	$15,000	16%	$600
weir gate to claifer #2	change to stainless steel	2000	25	21	2025	**4**	$15,000	16%	$600
Middle weir gate between claifers	change to stainless steel	2000	25	21	2025	**4**	$15,000	16%	$600
weir gate to claifer #1	change to stainless steel	2000	25	21	2025	**4**	$15,000	16%	$600
Back weir gate		2021	25	0	2046	**25**	$15,000	100%	$600
Scada upgrades	UIS Cruise	2021	4	0	2025	**4**	$3,000	100%	$750
master flow recorders	in laboratory	2017	10	4	2027	**6**	$8,000	60%	$800
relability study - by engineers	every 5 years per DEQ	2017	5	4	2022	**1**	$5,000	20%	$1,000
Simultaneous compliance study - engineers		2000	25	21	2025	**4**	$20,000	16%	$800
4 - gas fired heaters	each unit $6,010 - in plant	2000	25	21	2025	**4**	$28,000	16%	$1,120
4- electric heaters	$9200 per unit	2000	25	21	2025	**4**	$36,800	16%	$1,472
Claifier air handeling unit	AHU-3 Reznor	2000	25	21	2025	**4**	$52,100	16%	$2,084
Claifier air handeling unit	AHU-2 Reznor	2000	25	21	2025	**4**	$52,100	16%	$2,084
basement air handeling unit	AHU-5 Reznor	2000	25	21	2025	**4**	$52,100	16%	$2,084
Lab and office air handeling unit	AHU-1 York	2000	25	21	2025	**4**	$22,300	16%	$892
WTP generator - transfer switch	per visit with AEG	2011	12	10	2023	**2**	$30,000	17%	$2,500
2- exterior doors	filter room door / front hall door	2000	20	21	2020	**-1**	$7,000	-5%	$350
Auma - wash water valve	washwater valve	2000	20	21	2020	**-1**	$6,500	-5%	$325
26- Auma pneumatic valves	each unit $6500	2000	25	21	2025	**4**	$169,000	16%	$6,760

BLISSFIELD WATER

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS

2021

SHORT LIVED ASSETS SOMEWHERE BETWEEN 0-15 OR 20 YEARS

YOUR ANTICIPATED NORMAL INTENDED USEFUL LIFE OR YEARS BETWEEN REHAB SHOULD BE BASED ON PAST MAINTENANCE HISTORY, WELL MAINTENANCE RECORDS AND WATER TOWER INSPECTION REPORTS. - A COPY OF THESE REPORTS SHOULD BE INCLUDED IN YOUR RATE EVALUATION AS AN ATTACHMENT OR APPENDIX --- ALSO NOTE; IF YOU ARE APPLYING FOR A USDA RURAL DEVELOPMENT GRANT OR HOPE TO GET A USDA GRANT - THE REMAINING YEARS OF LIFE FOR ANY EQUIPMENT CAN NOT EXCEED 15 YEARS. FOR ANYTHING - WATER METERS WATER TOWER PAINTING ETC. ONCE THE USEFUL LIFE OR NEXT ANTICIPATED MAINTENANCE IS LESS THAN 15 YEARS AWAY IT CAN BE LISTED HERE,

FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR OR LAST REHAB YEAR	ESTIMATED NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT ANTICIPATED REPLACEMENT YEAR	**REMAINING LIFE - YEARS BEFORE REPLACEMENT**	TOTAL REPLACEMENT COST	PERCENT OF ASSET LEFT	REPLACEMENT MONEY RESERVED ANNUALLY
Air handeling for H.S. Building	Heatcraft - no air conditioning	2023	25	-2	2048	**27**	$27,100	108%	$1,084
Filter room air handeling unit	AHU-4 Reznor	2000	25	21	2025	**4**	$52,100	16%	$2,084
2- Sludge pump	$13,500 a piece in 2017	2017	15	4	2032	**11**	$35,000	73%	$2,333
							$1,471,100	42%	$ 83,945

EQUIPMENT REPLACEMENT SHORT LIVED ASSETS - RUNNING BALANCE SHEET

COST OF LIVING INCREASE	2.00%
CURRENT RESERVE BALANCE APPLIED TO THIS ACCOUNT - INCLUDES RRI BALANCE	$300,000
AVG. INTEREST RATE IN SAVINGS	0.10%
ANNUAL COLA ADJUSTMENT AS ADOPTED BY COUNCIL	0.00%
Annual Funding Applied to Budget / Rates	**$95,000**

YEAR	PURPOSE	ANNUAL REPLACEMENT EXPENDITURES WITH C.O.L.	FUNDING WITH COLA	RUNNING BALANCE
2021	**SEE EQUIPMENT LIST FOR DETAILS OF ANTICIPATED PURCHASES**	$0	**$95,000**	$395,395
2022		$37,740	$95,000	$453,050
2023		$61,776	$95,000	$486,727
2024		$60,420	$95,000	$521,794
2025		$680,832	$95,000	($63,516)
2026		$11,000	$95,000	$20,420
2027		$59,360	$95,000	$56,081
2028		$11,400	$95,000	$139,737
2029		$56,840	$95,000	$178,037
2030		$41,536	$95,000	$231,679
2031		$92,280	$95,000	$234,630
2032		$279,380	$95,000	$50,485
2033		$65,720	$95,000	$79,816
2034		$6,300	$95,000	$168,595
2035		$52,864	$95,000	$210,900
2036		$53,300	$95,000	$252,811
2037		$224,400	$95,000	$123,664
2038		$76,380	$95,000	$142,407
2039		$78,064	$95,000	$159,486
2040		$43,194	$95,000	$211,451
2041		$32,200	$95,000	$274,463
				$462,000

BLISSFIELD WATER
EQUIPMENT REPLACEMENT PAGE 2

2021

MID-TERM ASSETS 15-30 YEARS

FIXED ASSET INVENTORY		ASSET REPLACEMENT SCHEDULE							ANNUAL RESERVE
EQUIPMENT LIST / MAINTENANCE ACTIVITY	DESCRIPTION / MAINTENANCE HISTORY	ORIGINAL INSTALLATION YEAR	NORMAL INTENDED USEFUL LIFE	CURRENT AGE	NEXT REPLACEMENT YEAR	REMAINING LIFE - YEARS BEFORE REPLACEMENT	TOTAL REPLACEMENT COST	PERCENT CONSUMED	REPLACEMENT MONEY RESERVED ANNUALLY
METERS									
3/4" meters	1,508 meters/$165.22 each	2004	20	17	2024	3	$249,152	85%	$12,458
1" meters	12 meters/$331.16 each	2004	20	17	2024	3	$3,974	85%	$199
1.5" meters	9 meters/$916.67	2004	20	17	2024	3	$8,250	85%	$413
2" meters	12 meters/$916.67	2004	20	17	2024	3	$11,000	85%	$550
3" meters	3 meters/$2939	2004	20	17	2024	3	$8,817	85%	$441
4" meters	6 meters/$3824	2004	20	17	2024	3	$22,944	85%	$1,147
meter readers	3 handheld units/$5797.10	2017	10	4	2027	6	$17,391	40%	$1,739
meter reading software									
meter reading hardware									
Pro-coder registers	1 per meter/$101.45	2004	20	17	2024	3	$157,248	85%	$7,862
							$478,776		$ 24,808

EQUIPMENT REPLACEMENT PAGE 2 RUNNING BALANCE

COST OF LIVING INCREASE	2.00%
CURRENT RESERVE BALANCE APPLIED TO THIS ACCOUNT	**$100,000**
AVG. INTEREST RATE IN SAVINGS	0.10%

Annual Funding Applied to Budget / Rates **$60,000**

YEAR	PURPOSE	ANNUAL REPLACEMENT EXPENDITURES WITH C.O.L.	ANNUAL FUNDING AMOUNT	RUNNING BALANCE IN ACCOUNT
2021	SEE EQUIPMENT LIST	$0	**$60,000**	$160,160
2022	FOR ANNUAL EXPENDITURES	$0	$60,000	$220,320
2023	0	$0	$60,000	$280,540
2024	0	$489,067	$60,000	($148,246)
2025	0	$0	$60,000	($88,395)
2026	0	$0	$60,000	($28,483)
2027	0	$19,478	$60,000	$12,010
2028	0	$0	$60,000	$72,022
2029	0	$0	$60,000	$132,094
2030	0	$0	$60,000	$192,226
2031	0	$0	$60,000	$252,419
2032	0	$0	$60,000	$312,671
2033	0	$0	$60,000	$372,984
2034	0	$0	$60,000	$433,357
2035	0	$0	$60,000	$493,790
2036	0	$0	$60,000	$554,284
2037	0	$22,957	$60,000	$591,882
2038	0	$0	$60,000	$652,474
2039	0	$0	$60,000	$713,126
2040	0	$0	$60,000	$773,839
2041	0	$0	$60,000	$834,613
2042	0	$0	$60,000	$895,448
2043	0	$0	$60,000	$956,343
2044	0	$673,621	$60,000	$343,678
2045	0	$0	$60,000	$404,022
2046	0	$0	$60,000	$464,426
2047	0	$26,435	$60,000	$498,456
2048	0	$0	$60,000	$558,954
				$154,000

BLISSFIELD WATER	2021		
CAPITAL IMPROVEMENT PROJECTS SUMMARY		PERCENT DOWNPAYMENT	10%
CAPITAL IMPROVEMENT IDEAS WERE GENERATED FROM		VILLAGE OF BLISSFIELD CAPITAL IMPROVEMENT PLAN	

MRWA DOES NOT RECOMMEND OR SUGGEST FINANCING OPTIONS. IT IS UP TO THE COMMUNITY AND THEIR ADVOCATES TO DECIDE WHAT FINANCING OPTIONS WORK BEST FOR THEM AND THEIR FUTURE PROJECTS.

ENTER ITEMS ON THIS PAGE FIRST - THEN SEE INDIVIDUAL PAGES FOR ENTERING DETAILS ON EACH PROJECT -

CAPITAL PROJECTS - FOR DETAILS OF EACH PROJECT SEE INDIVIDUAL PAGES	ESTIMATED PROJECT COST	CASH CONTRIBUTION FROM RATES	AMOUNT FINANCED	COMPLETE IN YEAR OF	IS THIS YEAR FLEXIBLE?	MONEY NEEDED ANNUALLY
			$0	**2023**		**$0**
VACTOR TRUCK (25% OF TOTAL)	$112,500	$112,500	$0	**2023**		**$56,250**
			$0	2024		**$0**
DAM REMOVAL	$40,000		$40,000	**2024**		**$0**
			$0	**2025**		**$0**
			$0	**2025**		**$0**
WTP CLEARWELL INSPECTION			$0			**$0**
			$0	2025		**$0**
			$0	2026		**$0**
			$0	2026		**$0**
			$0	2027		**$0**
			$0	**2028**		**$0**
			$0	**2029**		**$0**
N. Lane Street	$332,000	$332,000	$0	2025		**$83,000**
Parkwood Street	$168,700	$168,700	$0	2025		**$42,175**
Sherman Water Line	$268,440	$268,440	$0	2025		**$67,110**
E. Adrian Water Line	$106,920	$106,920	$0	2025		**$26,730**
Cherry Street Water Line	$229,440	$229,440	$0	2025		**$57,360**
New Water Tower	$1,250,000	$1,250,000	$0	**2030**		**$138,889**
Blissfield Hwy Water Line	$156,000	$156,000	$0	2030		**$17,333**
S Monroe Street Water Line	$186,000	$186,000	$0	2030		**$20,667**
Mt Vernon Dr. Loop	$109,800	$109,800	$0	2030		**$12,200**
Driggs Rd / Wellsville Loop	$450,000	$450,000	$0	2030		**$50,000**
Joy St / West Brooke Lane Loop	$420,000	$420,000	$0	**2030**		**$46,667**
Quick St / Blissfield Hgts Loop	$480,000	$480,000	$0	**2030**		**$53,333**
Automated Water Meter System	$500,000		$500,000	**2035**		**$0**
Replace Sand Cast Mains	$3,800,000	$3,800,000	$0	2035		**$271,429**
			$0			**$0**
			$0			**$0**
			$0			**$0**
	$8,609,800	**$2,624,000**	**$40,000**			**$488,847**

CAPITAL IMPROVEMENT RUNNING BALANCE PROJECTIONS & ANNUAL FUNDING	
ANNUAL COST OF LIVING INCREASE TO PROJECTS	2.00%
RESERVE BALANCE APPLIED TO CAPITAL IMPROVEMENTS	$0
AVG. INTEREST RATE IN SAVINGS	0.00%
IF AN ANNUAL COLA RATE ADJUSTMENT PERCENT OF	2.00%

RUNNING BALANCE COLUMN REFLECTS THIS FUND ONLY. THE AVERAGE ANNUAL FUNDING DOES NOT REFLECT ANY EXTRA REVENUE GENERATED BY FUTURE ANNUAL RATE INCREASES. FOR A TRUE RUNNING BALANCE OF THE OVERALL HEALTH OF THE WATER SYSTEM SEE THE 10 YEAR PROJECTIONS

YEAR	ANNUAL EXPENDITURES	AVERAGE ANNUAL FUNDING AMOUNT IN RATE BUDGET	RUNNING BALANCE
2021	$0	**$300,000**	$300,000
2022	$0	$306,000	$612,000
2023	$117,000	$312,120	$813,240
2024	$0	$318,362	$1,137,845
2025	$1,193,940	$324,730	$275,002
2026	$0	$331,224	$612,721
2027	$0	$337,849	$957,194
2028	$0	$344,606	$1,308,556
2029	$0	$351,498	$1,666,946
2030	$3,601,124	$358,528	($1,568,620)
2031	$0	$365,698	($1,195,751)
2032	$0	$373,012	($815,425)
2033	$0	$380,473	($427,492)
2034	$0	$388,082	($31,801)
2035	$4,864,000	$395,844	($4,492,195)
2036	$0	$403,761	($4,080,518)
2037	$0	$411,836	($3,660,607)
2038	$0	$420,072	($3,232,298)
2039	$0	$428,474	($2,795,423)
2040	$0	$437,043	($2,349,810)
2041	$0	$445,784	($1,895,285)

VILLAGE OF BLISSFIELD

WATER RATE

CALCULATION REPORT

PAGE #

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34 CONFIRMATION OF INCOME

35 CONCLUSION OF ANALYSIS

FINAL ANALYSIS RATE CALCULATION - CURRENT FISCAL YEAR	2021			RTS CHARGE		VOLUME CHARGE
BLISSFIELD WATER	ANNUAL BUDGET	PERCENT FIXED EXPENSES	ASSIGNED AS FIXED EXPENSES	COST PER METER EQUIVALENT	ASSIGNED AS VARIABLE EXPENSES	$ COST PER 1,000 GALLONS
ADMINISTRATION 595-900	$175,807	73%	$128,276	$4.47	$47,531	$0.595
WATER DISTRIBUTION 595-554	$136,763	73%	$99,788	$3.48	$36,975	$0.463
WATER PLANT 595-556	$1,124,946	73%	$820,808	$28.63	$304,137	$3.806
OPERATION & MAINTENANCE EXPENSES	$1,437,515		$1,048,873	$36.58	$388,643	$4.863
DEBT - PRINCIPAL & INTEREST ANNUAL PAYMENTS						
2011 CAPITAL IMPROVEMENT BOND	$129,989	100%	$129,989	$4.53	$0	$0.00
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	$129,989		$129,989	$4.53	$0	$0.00
ANNUAL O & M + DEBT	$1,567,505		$1,178,862	$41.12	$388,643	$4.86
			75%		25%	
NON SALES INCOME	$60,000		$43,779	1.527	$16,221	0.203
REVENUE COLLECTED THROUGH RATES	$1,507,505		$1,135,083		$372,421	
CALCULATED RATE O & M + DEBT	METER EQUIVALENT		MONTH	$39.59		$4.66
			CURRENT RATE	$49.18		$5.95
			INCREASE	($9.59)		($1.29)
			PERCENT INCREASE	-20%		-22%
OVERALL PERCENT INCREASE FOR GALLONS OF	4,000		4%			
RESERVES						
EQUIPMENT REPLACEMENT AVERAGE ANNUAL BUDGETED AMOUNT	$95,000	73%	$69,316	$2.42	$25,684	$0.32
EQUIPMENT REPLACEMENT PAGE 2	$60,000	73%	$43,779	$1.53	$16,221	$0.20
EQUIPMENT REPLACEMENT & RESERVE REQUIREMENTS	$155,000		$113,095	$3.94	$41,905	$0.52
CAPITAL IMPROVEMENT AVERAGE ANNUAL BUDGETED AMOUNT	$300,000	73%	$218,893	$7.63	$81,107	$1.01
CAPITAL + ADDITIONAL FUNDING	$300,000		$218,893	$7.63	$81,107	$1.01
CAPITAL + EQUIPMENT & RRI RESERVES	$455,000		$331,987	$11.58	$123,013	$1.54
ADOPTED BUDGET	$2,022,505		$1,510,849		$511,655	
		72.96%	75%		25%	
REVENUE COLLECTED CALCULATED RATES	$1,962,505		$1,467,071		$495,434	
REVENUE COLLECTED CURRENT RATES	$1,907,435					
CALCULATED RATE PER METER EQUIVALENT			PER MONTH	$51.17	RATE PER 1,000 GAL.	$6.20
ANNUAL METER EQUIVALENTS / REU'S COUNT 28,671			CURRENT RATES	$49.18		$5.95
ANTICIPATED ***EQUIVALENT*** GALLONS / UNITS 79,914			PERCENT INCREASE	4.0%		4.2%
INVOICES PER YEAR 12			INCREASE OF	$1.99		$0.25
NOTES	PERCENT RESERVE	22.5%				

2021 SUMMARY OF NEW CHARGES "ALL ENTITIES"

	BLISSFIELD WATER				OUTSIDE VILLAGE LIMITS		>4" - 1		>4" - 2		>4" - 3		0	
	CURRENT	NEW		DIFFERENCE	CURRENT	NEW	CURRENT	NEW	CURRENT	NEW	CURRENT	NEW	CURRENT	NEW
PER 1,000 GAL.	$5.95	$6.20		$0.25	$11.90	$12.40	$4.72	$4.92	$4.20	$4.38	$3.77	$3.93	$3.77	$3.93
2021	CURRENT	NEW		DIFFERENCE PER MONTH	CURRENT	NEW	CURRENT	NEW	CURRENT	NEW	CURRENT	NEW	CURRENT	NEW
METER SIZE IN INCHES	READY TO SERVE PER MONTH	READY TO SERVE PER MONTH	METER RATIO FACTOR - REU'S PER METER SIZE		READY TO SERVE PER MONTH	READY TO SERVE PER MONTH	READY TO SERVE PER MONTH		READY TO SERVE PER MONTH		READY TO SERVE PER MONTH		READY TO SERVE PER MONTH	
3/4	$49.18	$51.17	1.00	$1.99	$98.36	$102.34	$20,224.22	$21,042.14	$20,224.22	$21,042.14	$20,224.22	$21,042.14	$0.00	
1	$82.13	$85.45	1.67	$3.32	$164.26	$170.90	$0.00	$35,140.12	$0.00	$35,140.12	$0.00	$35,140.12	$0.00	$0.00
1 1/2	$163.77	$170.39	3.33	$6.62	$327.54	$340.79	$0.00	$70,070.59	$0.00	$70,070.59	$0.00	$70,070.59	$0.00	$0.00
2	$262.13	$272.73	5.33	$10.60	$524.26	$545.46	$0.00	$112,154.88	$0.00	$112,154.88	$0.00	$112,154.88	$0.00	$0.00
3	$524.75	$545.97	10.67	$21.22	$1,049.50	$1,091.94	$0.00	$224,519.41	$0.00	$224,519.41	$0.00	$224,519.41	$0.00	$0.00
4	$819.83	$852.99	16.67	$33.16	$1,639.66	$1,705.97	$0.00	$350,772.27	$0.00	$350,772.27	$0.00	$350,772.27	$0.00	$0.00
6	$0.00	$0.00	0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
8	$0.00	$0.00	0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00

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

THIS PAGE REFLECTS **THE CALCULATED RATES CHARGES FROM THE FINAL ANALYSIS CURRENT YEAR**. IT INCLUDES A COLA ON THE O&M & LABOR EXPENSES

BLISSFIELD WATER **TEN YEAR PROJECTIONS PAGE**

SUMMARY	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5		YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
TOTAL REVENUE	$2,022,505	$2,061,755	$2,101,790	$2,142,626	$2,184,278		$2,226,764	$2,270,099	$2,314,301	$2,359,387	$2,405,375
REGULAR ANNUAL EXPENESES	$1,567,505	$1,595,012	$1,620,675	$1,651,823	$1,678,468		$1,705,739	$1,758,132	$1,790,560	$1,818,534	$1,847,168
GAINS/ LOSSES BEFORE EQUIPMENT & CAPITAL	$455,000	$466,743	$481,115	$490,803	$505,810		$521,025	$511,967	$523,741	$540,853	$558,207
TOTAL COMBINED EQUIPMENT & CAPITAL ACTICIPATED EXPENDITURES	$0	$37,740	$178,776	$549,487	$1,874,772		$11,000	$78,838	$11,400	$56,840	$3,642,660
TOTAL ANTICIPATED ACTUAL CASH ANNUAL EXPENDITURES	$1,567,505	$1,632,752	$1,799,451	$2,201,310	$3,553,240		$1,716,739	$1,836,970	$1,801,960	$1,875,374	$5,489,828
GAINS / LOSSES FOR FISCAL YEAR *AFTER* EQUIPMENT & CAPITAL	$455,000	$429,003	$302,339	($58,685)	($1,368,962)		$510,025	$433,129	$512,341	$484,013	($3,084,453)
***STARTING* CASH AVAILABLE / BANK BALANCE**	**$1,612,848**										
ANTICIPATED END OF YEAR - AVAILABLE CASH BALANCE	**$2,067,848**	**$2,496,851**	**$2,799,190**	**$2,740,506**	**$1,371,544**		**$1,881,568**	**$2,314,697**	**$2,827,039**	**$3,311,051**	**$226,598**

CALCULATED REVENUE		PERCENT INCREASE ON *"RTS"*								
		2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
CALCULATED RATE CHARGE PER "METER EQUIVALENT" / REU	**$51.17**	**$52.19**	**$53.24**	**$54.30**	**$55.39**	**$56.49**	**$57.62**	**$58.78**	**$59.95**	**$61.15**
ANNUAL METER EQUIVALENTS / REU'S COUNT	28,671	28,671	28,671	28,671	28,671	28,671	28,671	28,671	28,671	28,671
***REVENUE* FROM METER EQUIVALENT CHARGE (RTS)**	**$1,467,070.84**	**$1,496,412.26**	**$1,526,340.51**	**$1,556,867.32**	**$1,588,004.66**	**$1,619,764.76**	**$1,652,160.05**	**$1,685,203.25**	**$1,718,907.32**	**$1,753,285.46**
		PERCENT INCREASE ON *COST PER UNIT*								
		2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
CALCULATED RATE CHARGE PER UNIT OF WATER / SEWER	**$6.20**	**$6.32**	**$6.45**	**$6.58**	**$6.71**	**$6.84**	**$6.98**	**$7.12**	**$7.26**	**$7.41**
***REVENUE* FROM VOLUME SALES**	**$495,433.89**	**$505,342.57**	**$515,449.42**	**$525,758.41**	**$536,273.58**	**$546,999.05**	**$557,939.03**	**$569,097.81**	**$580,479.77**	**$592,089.37**
NON-SALES / OTHER REVENUE										
TOTAL NON-SALES & OTHER INCOME	$76,100	$0	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL NON-SALES & OTHER INCOME APPLIED TO WATER BUDGET	**$60,000**	**$60,000**	**$60,000**	**$60,000**	**$60,000**	**$60,000**	**$60,000**	**$60,000**	**$60,000**	**$60,000**
TOTAL COMBINED REVENUE	**$2,022,505**	**$2,061,755**	**$2,101,790**	**$2,142,626**	**$2,184,278**	**$2,226,764**	**$2,270,099**	**$2,314,301**	**$2,359,387**	**$2,405,375**

EXPENSES	BUDGET FOR FISCAL YEARS STARTING									
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
		PERCENT INCREASE (COST OF LIVING ETC) *ON BUDGET*								
ADMINISTRATION 595-900		2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ADMINISTRATION 595-900	**$175,807**	**$176,573**	**$180,088**	**$183,674**	**$187,331**	**$191,078**	**$194,899**	**$198,797**	**$202,773**	**$206,829**
WATER DISTRIBUTION 595-554	$136,763	$139,498	$142,288	$145,133	$148,036	$150,997	$154,017	$157,097	$160,239	$163,444
WATER PLANT 595-556	$1,124,946	$1,147,445	$1,170,394	$1,193,801	$1,217,677	$1,242,031	$1,266,872	$1,292,209	$1,318,053	$1,344,414
EXPENSES PAGE 4	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
PURCHASED WATER OR SEWAGE??	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL O&M EXPENSES	**$1,437,515**	**$1,463,516**	**$1,492,770**	**$1,522,609**	**$1,553,045**	**$1,584,106**	**$1,615,788**	**$1,648,104**	**$1,681,066**	**$1,714,687**
DEBT EXPENSES - PRINCIPAL & INTEREST		**2022**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**
2011 CAPITAL IMPROVEMENT BOND	$129,989	$131,496	$127,905	$129,214	$125,424	$121,633	$142,344	$142,456	$137,469	$132,481
	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NEW ANTICIPATED CAPITAL LOANS										
$0	$0	$0	$0	$0	$0	$0	**$0**	$0	$0	$0
ANNUAL DEBT PAYMENTS PRINCIPAL & INTEREST	**$129,989**	**$131,496**	**$127,905**	**$129,214**	**$125,424**	**$121,633**	**$142,344**	**$142,456**	**$137,469**	**$132,481**
NEW BUDGET LINE ITEMS STARTING YEAR 2			$0	$0	$0	$0	$0	$0	$0	$0
NEW BUDGET LINE ITEMS STARTING YEAR 2			$0	$0	$0	$0	$0	$0	$0	$0
MINIMUM REQUIRED EXPENSES / BUDGET	**$1,567,505**	**$1,595,012**	**$1,620,675**	**$1,651,823**	**$1,678,468**	**$1,705,739**	**$1,758,132**	**$1,790,560**	**$1,818,534**	**$1,847,168**
GAINS / LOSSES *BEFORE* EQUIPMENT & CAPITAL EXPENSES	**$455,000**	**$466,743**	**$481,115**	**$490,803**	**$505,810**	**$521,025**	**$511,967**	**$523,741**	**$540,853**	**$558,207**
EQUIPMENT REPLACEMENT ANTICIPATED ACTUAL EXPENDITURES	$0	$37,740	$61,776	$549,487	$680,832	$11,000	$78,838	$11,400	$56,840	$41,536
CAPITAL IMPROVEMENT *ANTICICIPATED EXPENDITURES*	$0	$0	$117,000	$0	$1,193,940	$0	$0	$0	$0	$3,601,124
TOTAL COMBINED EQUIPMENT & CAPITAL ACTICIPATED EXPENDITURES	**$0**	**$37,740**	**$178,776**	**$549,487**	**$1,874,772**	**$11,000**	**$78,838**	**$11,400**	**$56,840**	**$3,642,660**
TOTAL ANTICIPATED ACTUAL CASH ANNUAL EXPENDITURES	**$1,567,505**	**$1,632,752**	**$1,799,451**	**$2,201,310**	**$3,553,240**	**$1,716,739**	**$1,836,970**	**$1,801,960**	**$1,875,374**	**$5,489,828**
GAINS / LOSS FOR FISCAL YEAR *- AFTER* EQUIPMENT & CAPITAL EXPENDITURES	**$455,000**	**$429,003**	**$302,339**	**-$58,685**	**-$1,368,962**	**$510,025**	**$433,129**	**$512,341**	**$484,013**	**-$3,084,453**

STARTING **CASH AVAILABLE / BANK BALANCE**	**$1,612,848**										
ENDING **CASH AVAILABLE / BANK BALANCE**	**$2,067,848**	**$2,496,851**	**$2,799,190**	**$2,740,506**	**$1,371,544**		**$1,881,568**	**$2,314,697**	**$2,827,039**	**$3,311,051**	**$226,598**

TYPICAL BILL COMPARISON USING NEW RATES

BLISSFIELD WATER

	CURRENT RATES	NEW / CALCULATED RATES
RTS	$49.18	$51.17
COST PER UNIT	$5.95	$6.20

COST PER UNIT OF WATER $6.20

MONTHLY

$ PER 1,000 GAL.

METER SIZE IN INCHES	GALLONS USED	VOLUME CHARGE	BASE RATE CHARGE	NEW BILL	OLD BILL	CHANGE IN BILL	PERCENT INCREASE
3/4	1,000	$6.20	$51.17	**$57.37**	$55.13	$2.24	4.1%
3/4	3,000	$18.60	$51.17	**$69.77**	$67.03	$2.74	4.1%
3/4	4,000	$24.80	$51.17	**$75.97**	$72.98	$2.99	4.1%
3/4	6,000	$37.20	$51.17	**$88.37**	$84.88	$3.49	4.1%
3/4	10,000	$62.00	$51.17	**$113.16**	$108.68	$4.48	4.1%
1	50,000	$309.98	$85.45	$395.43	$379.63	$15.80	4.2%
1 1/2	75,000	$464.97	$170.39	$635.36	$610.02	$25.34	4.2%
2	25,000	$154.99	$272.73	$427.72	$410.88	$16.84	4.1%
3	200,000	$1,239.91	$545.97	$1,785.89	$1,714.75	$71.14	4.1%
4	100,000	$619.96	$852.99	$1,472.94	$1,414.83	$58.11	4%
6	400,000	$2,479.83	$0.00	$2,479.83	$2,380.00	$99.83	4%
8	500,000	$3,099.79	$0.00	$3,099.79	$2,975.00	$124.79	4%
GALLONS INCLUDED MIN BILL				0	0		

This page provides confirmation of income based on the results of the rate analysis, if the calculated rates below are adopted. It only applies to this current or upcoming fiscal year. See five year projections for additional information.

CONFIRMATION OF INCOME - BASED ON CALCULATED RATES - ALL ENTITIES YEAR 1

BLISSFIELD WATER		RATE CLASS 2	RATE CLASS 3	RATE CLASS 4	RATE CLASS 5	2022
	BLISSFIELD WATER	OUTSIDE VILLAGE LIMITS	>4" - 1	>4" - 2	>4" - 3	REVENUE
	New Cost per Unit of Water Sold					NEW RATES
$ PER 1,000 GAL.	$6.200	$12.399	$4.918	$4.376	$3.928	
UNITS Sold	74,836	1,260	88	3,526	0	79,710
Income	$463,949	$15,620	$433	$15,432	$0	$495,434
					NON SALES INCOME APPLIED TO VARIABLE BUDGET	$16,221
					TOTAL ANTICIPATED REVENUE PER UNIT SALES	$511,655
METER SIZE	NEW BASE RATE PER MONTH					
3/4	$51.169	$102.338	$21,042.143	$21,042.143	$21,042.143	
NO. CUSTOMERS	1,688	27	1	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	20,256	324	12	0	0	
INCOME	$1,036,478.74	$33,157.50	$252,505.72	$0.00	$0.00	$1,322,142
1	$85.45	$170.90	$35,140.12	$35,140.12	$35,140.12	
NO. CUSTOMERS	12	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	144	0	0	0	0	
INCOME	$12,305.03	$0.00	$0.00	$0.00	$0.00	$12,305
1 1/2	$170.39	$340.79	$70,070.59	$70,070.59	$70,070.59	
NO. CUSTOMERS	4	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	48	0	0	0	0	
INCOME	$8,178.88	$0.00	$0.00	$0.00	$0.00	$8,179
2	$272.73	$545.46	$112,154.88	$112,154.88	$112,154.88	
NO. CUSTOMERS	9	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	108	0	0	0	0	
INCOME	$29,454.98	$0.00	$0.00	$0.00	$0.00	$29,455
3	$545.97	$1,091.94	$224,519.41	$224,519.41	$224,519.41	
NO. CUSTOMERS	2	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	24	0	0	0	0	
INCOME	$13,103.34	$0.00	$0.00	$0.00	$0.00	$13,103
4	$852.99	$1,705.97	$350,772.27	$350,772.27	$350,772.27	
NO. CUSTOMERS	6	1	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	72	12	0	0	0	
INCOME	$61,415.00	$20,471.67	$0.00	$0.00	$0.00	$81,887
6	$0.00	$0.00	$0.00	$0.00	$0.00	
NO. CUSTOMERS	0	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	0	0	0	0	0	
INCOME	$0.00	$0.00	$0.00	$0.00	$0.00	$0
8	$0.00	$0.00	$0.00	$0.00	$0.00	
NO. CUSTOMERS	0	0	0	0	0	
INVOICES PER YEAR	12	12	12	12	12	
ANNUAL INVOICES	0	0	0	0	0	
INCOME	$0.00	$0.00	$0.00	$0.00	$0.00	$0
					Fixed Income	$1,467,071
					NON SALES INCOME APPLIED TO FIXED BUDGET	$43,779
					TOTAL ANTICIPATED REVENUE BASE RATE / RTS + NONE SALES INCOME	$1,510,849
					TOTAL COMBINED CUSTOMER INCOME = BASE RATE + VOLUME INCOME	$2,022,505
					TOTAL COMBINED CUSTOMER INCOME	$2,022,505
					Budget Goal	$2,022,505
					Difference	$0

BLISSFIELD WATER

COST PER	CURRENT RATES	CALCULATED RATES	DIFFERENCE
1,000 GAL.	$5.95	$6.200	$0.25

	READY TO SERVE (RTS) CHARGES		PER MONTH
METER SIZE IN INCHES	CURRENT RATES	CALCULATED RATES	DIFFERENCE
3/4	$49.18	$51.169	$1.99
1	$82.13	$85.45	$3.32
1 1/2	$163.77	$170.39	$6.62
2	$262.13	$272.73	$10.60
3	$524.75	$545.97	$21.22
4	$819.83	$852.99	$33.16
6	$0.00	$0.00	$0.00
8	$0.00	$0.00	$0.00

The above rates are based on an input budget of	$2,022,505
The above rates are based on invoicing the following gallons of water / sewer	79,709,755
The above rates are based on the following number of customers	1,750
The above rates are based on the following number of Residential Equivalent Units (REU's)	28,671

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