Bruce Township

Sewer Rate Report

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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 of more.

Current Rate Structure BRUCE TOWNSHIP

The current rate structure for the Bruce Township 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 Township charges a cost per REU of the building or if the customer is commerical per 100 cubic feet per water used, if the customer is on the water system.

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

Larger sewer users take up capacity of the system. The system has a limited capacity 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 water mains and a larger water tower to provide firefighting ability 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 400 cubic feet 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

BRUCE TOWNSHIP

At first glance looking at the overall financial stability of the water / sewer system it appears to have excess revenue. The "Cash Flow Statement" page indicates this last year's income exceeded last year's actual expenses showing a profit of \$78,486.

The overall revenue which takes into account fees from new customers and miscellaneous income shows a excess revenue of the last year of \$78,486. Although extra revenue from tap fees and other miscellaneous income should be considered a bonus as this income changes every year.

Looking again at the excess revenue of \$78,486. What the excess revenue of \$78,486 doesn't include is any reserve funding for major equipment maintenance and replacement. Things like painting a repairing a lift station, or replacing a pump. Using the equipment replacement / asset management program established by the EGLE indicated that the Township should be putting money aside on an annual basis to pay for major equipment maintenance and replacement for items that occur on an irregular basis.

Additionally, the system should have between 2 and 12 months of unrestricted funds for unexpected expenses. The township should have \$77,000 to \$460,000 for this purpose.

Basically the Township is generating enough revenue to cover every day basic expenses and in some years there is a deficit, and not enough to pay for the irregularly occurring major maintenance items and replacement of existing equipment necessary to providing safe sewage treatment for the community. Additionally, the Township does not currently charge any of the wages of the administrative staff towards the sewer fund. This should be changed sometime in the future.

The Township 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 we should be putting aside \$5,000 each year in order to have the \$25,000 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

	Bruce T	ownship - Com	
	CONCLUSI	ON OF ANALYSIS	
COST PER	CURRENT RATES	CALCULATED RATES	DIFFERENCE
100 CUFT	\$4.36	\$5.12	\$0.76
	С	URRENT "BASE RATE" CHARGE F	PER MONTH
METER SIZE - INCHES	CURRENT RATES	CALCULATED RATES	DIFFERENCE
3/4	\$40.00	\$72.49	\$32.49
1	\$40.00	\$72.49	\$32.49
1 1/2	\$40.00	\$72.49	\$32.49
2	\$40.00	\$72.49	\$32.49
3	\$40.00	\$72.49	\$32.49
4	\$40.00	\$72.49	\$32.49
6	\$40.00	\$72.49	\$32.49

The above rates are based on an input budget of

\$459,512

The above rates are based on invoicing the following gallons of water / sewer

1,094,265

The above rates are based on the following number of customers

595

The above rates are based on the following number of Residential Equivalent Units (REU's)

5,388

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 program. In order to charge a lesser amount, the budget must first be reduced.

BACKGROUND INFORMATION STAR	TING SHEET
Please be sure to review the results of this rate ev	valuation with an attorney
Name of Community :	Bruce Township
Population Served :	2083 Estimated
BUDGET USED FOR YEAR OF	2022
Current Rate Structure	
Are bills based on 1,000 gallons units or 100 cubic feet units?	100
Number of Residential Customer Invoices per Year	12
What are the dates of the Fiscal Year	April 1st
Year of Last Rate Increase	
This rate evaluation was completed using the following information	
Reliability Study / General Plan	No
Capital Improvement Plan	Yes
Water Tower Inspection Report	N/A
Well Inspection Report	N/A
System Evaluations (MDEQ etc)	No
Audits	Yes
List the names of the different Entities Served - Originating Entity	Bruce Township - Com
2nd Entity	Bruce Township - Res

Bruce Twp Sewer Rates 2022 3 STARTING SHEET

Brice Township				
CURRENT RATE CHARGES	CHARGES			
Customers Are Invoice MONTHLY PER	MONTHLY PER			
	R	RATE CLASS 1		
	Bruce	Bruce Township - Com	mo	
TYPE OF WATER 100 CUFT UNITS	100 CUFT			
COST PER WATER UNIT	\$4.358	Notes 100 CUFT IS	Notes 100 CUFT IS FOR COMMERICAL	Į.
INVOICES PER YEAR	12			
METER SIZE - INCHES	CURRENT "BASE RATE" CHARGE	NUMBER OF METERS	INVOICE FREQUENCY	ANNUAL INCOME
3/4	\$40.00		12	\$0
1	\$40.00	2	12	096\$
1 1/2	\$40.00	1	12	\$480
2	\$40.00	4	12	\$1,920
3	\$40.00	1	12	\$480
4	\$40.00	3	12	\$1,440
9	\$40.00		12	\$0
	TOTALS	11		\$5,280

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.

				;	
		RATE CLASS 2	ASS 2		
	en en	Bruce Township - Res	ship - Res		***
TYPE OF WATER UNITS	100 CUFT	Ratio Entity # 2 vs. 1	:		
COST PER WATER UNIT	\$0.000	0.00	Notes		,
INVOICES PER YEAR 12	12				
METER SIZE - INCHES	CURRENT "BASE RATE" CHARGE	Ratio Entity # 2 vs. 1	NUMBER OF METERS	INVOICE FREQUENCY	ANNUAL INCOME
3/4	\$30.00	0.75		12	\$0
7	\$30.00		584	12	\$210,240
1 1/2	\$30.00			12	0\$
2	\$30.00			12	0\$
က	\$30.00			12	0\$
4	\$30.00			12	\$0
9	\$30.00			12	0\$
			584		\$210,240

2022	RATE CLASS 1	RATE CLASS 2					
	Bruce Township - Com	Bruce Township - Res					
METER SIZE -	NUMBER OF	NUMBER OF	CUSTOMERS	SELECTED METER	CALCULATED METER	EQUIVALENT	ANNUAL
INCHES	MEIERS	MEIEKS	ACTUAL	EQUIVALENT	EQUIVALENT	REU'S PER BILLING CYCLE	EQUIVALENI REU'S (UNITS)
3/4	0	0	0	1.00	1.00		
1	2	584	586	1.00	1.00	440	5,280
1 1/2	1	0	1	1.00	1.00		12
2	4	0	4	1.00	1.00	4	48
3	1	0	1	1.00	1.00	L	12
4	3	0	3	1.00	1.00	3	36
9	0	0	0	1.00	1.00		
TOTAL	11	584	262			449	
				TOTAL <u>E</u>	TOTAL <u>EQUIVALENT</u> ANNUAL REU'S	NNUAL REU'S	5,388
					PERCEN	PERCENT REDUCTION	%00'0
				REU REDI	REU REDUCTION PER BILLING CYCLE	ILLING CYCLE	0.0
			ANNUAL	<u>EQUIVALENT</u> RE	ANNUAL <u>EQ<i>UIVALENT</i></u> REU'S USED FOR RATE EVALUATION	ATE EVALUATION	5,388

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 XXX THE CURRENT

1,094,265	/ALUATION	GALLONS USED FOR EVALUATION	GALLONS			A COLUMN TOWNS THE							
(376,414)	CUBIC FEET OF REDUCTION	CUBIC FEE											
1,094,265		47%	717,851	1,366,291	1,094,265			717,851		1,366,291		TOTALS 1,198,654	TOTALS
0	%0		0	0	0	%0.0	%0.0	0	%0.0	0	%0:0	0	BRUCE TWP - RES
1,094,265	%0	47%	717,851	1,366,291	1,094,265	%0.00	100.0% 100.0%	717,851	100.0%	1,366,291	100.0%	1,198,654 100.0%	BRUCE TWP - COM
THE PROGRAM USES THE LOWEST YEAR UNITS USED IN RATE EVALUATION	ANTICIPATED PERCENT REDUCTION NEXT YEAR	PERCENT DIFFERENCE FROM MAX. TO MIN. YEAR	MIN. YEAR	MAX. YEAR	AVERAGE	AVERAGE	PERCENT AVERAGE OF TOTAL PERCENT	2021	PERCENT OF TOTAL	2020	PERCENT OF TOTAL	CUBIC FEET CALENDAR YEARS 2019	USAGE REPORTED IN CUBIC FEET USAGE REPORTED IN CALENDARYEARS 2019
				CUSTOMERS	UNITS OF WATER OR SEWAGE INVOICED TO CUSTOMERS	TER OR SEV	UNITS OF W					2022	Bruce Township - Com

The Volumes listed above are only those gallons that are a revenue source.

The cubic feet listed above do not include any water NOT invoiced for winter "Let Runs"

The cubic feet listed above were generated by the Township. The Township takes full responsibility for the accuracy of these numbers.

This table shows the cubic feet of sewage invoiced to customers. The Township is showing a slight decrease in usage over the last few years. For this evaluation we used the average of the last several 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 sewage invoiced, (which is based, in part, 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 cubic feet of sewer sold.

TOTAL COMBINED <u>CURRENT</u> INCOME FISCAL YEAR 2021	CURRENT IN	COME		WATER UNITS = 10 INVOICES PER YEAR = 12	100	Bru	Bruce Township	di
CURRENT METER / BASE RATE INCOME	BASE RATE	INCOME						
			Bruce Township - Com	Com	Bruce Township - Res			
METER SIZE - INCHES	CURRENT RATES	NUMBER OF METERS	INVOICE FREQUENCY	ANNUAL INCOME	ANNUAL INCOME	INCOME	% INCOME	% TOTAL INCOME
3/4	\$40.00	0	12	0	\$0	\$0	%0	%0
~	\$40.00	2	12	096	\$210,240	\$211,200	%86	%98
1 1/2	\$40.00		12	480	\$0	\$480	%0	%0
2	\$40.00	4	12	1,920	0\$	\$1,920	1%	1%
ω 4	\$40.00 \$40.00	~ ო	2 7	480 1,440	0 0 %	\$480 \$1,440	4%	0% 1%
BASE RATE INCOME				\$5,280	\$210,240	\$215,520		87%
CURRENT VOLUME SALES INCOME	SALES INCO	ME						
	Bruce Township - Com				Bruce Township - Res	TOTALS		
GALLONS / CUFT SOLD	717,851				0	717,851		
COST PER UNIT	\$4.36				\$0.00		% INCOME	
WATER SALES INCOME	\$31,284				\$0	\$31,284	13%	
	7	TOTAL METER SALES INCOME	ALES INCOME	\$215,520				
	101	TOTAL VOLUME SALES INCOME	ALES INCOME	\$31,284				
	TOTAL	TOTAL INCOME CUSTOMER SALES	<i>TOMER SALES</i>	\$246,804	9	PERC	PERCENT OF INCOME	ME
	NON SA	NON SALES REVENUE	ANTICIPATED	\$12,901		BASE RATE	VOLUME SALES	SALES
	77	TOTAL INCOME ALL SOURCES	ALL SOURCES	\$259,705		87%	13%	%
	¥	NEW INPUTTED RATE BUDGET	SATE BUDGET	\$459,512				
		SCHEDULED F	SCHEDULED PROFIT / LOSS	(2188,807)				

Bruce Township - Com				
NON-SALES INCOME		*		
NON-SALES INCOME	2020	2021	<u> </u>	2022
SPECIAL ASSESSMENTS			\$	12,901
TOTAL INCOME (NON SALES)	\$ -	\$ -	\$	12,901
Portion of (Non S	ales) Revenue	Guaranteed :	\$	12,901
Percent Applied Towards Fixed Rate RTS	Charge - PERCEN	IT applied per REU		100%
ANNUAL DOLLARS APPLIED TOWAR	DS <u>FIXED BUDGET</u>	- BASE RATE - RTS	\$	12,901
ANNUAL DOLLARS APPLIED TOV	VARDS <u>VARIABLE E</u>	BUDGET - PER UNIT	\$	-

LABOR & BENEFITS Bruce Township - Com	PROPOSED BUDGET FOR NEXT FISCAL YEAR	ACTUALS EXPENSES FROM PREVIOUS YEAR: (COMPARISON
	2022	PURPOSES ONLY)
2022	RATE BUDGET	YEAR OF
LABOR & BENEFITS	ANNUAL BUDGETED	2021
590-261-707.000 Staff Part Time	\$0	\$488
590-862-710.900 SSN	\$0	\$30
590-863-710.950 Medicare	\$0	\$7
LABOR & BENEFITS	\$0	\$525
LABOR & BENEFITS - ADMINISTRATION- BI	ILLING ETC	
	\$0	\$0
LABOR & BENEFITS - ADMINISTRATION- BILLING ETC	\$0 \$0	\$0 \$0
BILLING ETC	\$0	\$0
BILLING ETC LABOR & BENEFITS	\$0 \$0 \$0	\$0 \$525

Bruce Twp Sewer Rates 2022 11 LABOR & BENFITS

OPERATION & MAINTENANCE EXPENSES	PROPOSED BUDGET FOR NEXT FISCAL YEAR	ACTUALS EXPENSES FROM PREVIOUS YEARS (COMPARISON PURPOSES ONLY)
2022	2022	
Bruce Township - Com	RATE BUDGET	YEAR OF
SYSTEM EXPENSES	ANNUAL BUDGETED	2021
General Services		
590-191-818.000 Contracted Services	\$7,500	\$7,008
590-261-727.000 Supplies	\$0	\$702
590-261-818.100 Computer Support	\$1,200	\$1,260
590-261-956.000 Misc	\$0	\$483
590-266-818.000 Contract Services Attorney	\$863	\$700
Sewage Disposal		
590-527-818.000 Contracted Services	\$184,896	\$254,450
590-527-956.000 Misc	\$678	\$0
Station Maintenance		
590-529-851.000 Telephone	\$1,390	\$1,953
590-529-920.000 Utilities		\$1,968
590-529-921.000 Gas		\$637
590-529-933.000 Maintenance 590-529-956.000 Misc		\$2,390 \$0
590-529-935.000 Grounds Maintenance		\$1,348
590-529-935.000 Glounds Maintenance		\$0
General Insurance	4201.0	
590-851-710.000 Premium	\$3,243	\$2,645
SYSTEM EXPENSES	\$224,162	\$275,544

SUBTOTAL OPERATIONAL EXPENSES	\$224,162	\$275,544
CONTINGENCY	\$0	
SUBTOTAL	\$224,162	
COST OF INFLATION INCREASE	0.00%	
OPERATION & MAINTENANCE EXPENSES	\$224,162	

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.

ANNUAL PAYMENT SCHEDULE NAME OF LOAN NAME OF LOAN PAID BY RATES OR OTHER? IF OTHER - SOURCE B CONTRIBUTION FROM OTHER IF OTHER - SOURCE B CONTRIBUTION FROM OTHER IN OF THIS INTEREST PAYMENT IT OF THIS INTEREST PAYMENT IT OF THIS INTEREST PAYMENT IT OF THIS INTEREST PAYMENT ORIGINAL LOAN AMOUNT SALGOOD SH BALANCE IN THIS ACCOUNT SALGOOD ORIGINAL LOAN AMOUNT SALGOOD ORIGINAL LOAN AMOUNT SALGOOD SH BALANCE IN THIS PAYMENT SALGOOD ORIGINAL LOAN AMOUNT SALGOOD ORIGINAL LOAN AMOUNT SALGOOD SH BALANCE IN THIS PAYMENT SALGOOD SH BALANCE IN THIS PAYMENT SALGOOD SH BALANCE IN THIS ACCOUNT SALGOOD SALG	Bruce Lownship - Com		Notes on loans
### Rates 2012	2022 BOND INSTALLMENT ANNUAL PAYMENT SCHEDULE		
September 1st 2012 2034 No Solution September 1st \$\$210,000 \$\$210,000 \$\$3,185,000 \$\$3,185,000 \$\$3,185,000 \$\$3,185,000 \$\$3,185,000 \$\$213,725 \$\$220,650 \$\$222,325 \$\$234,850 \$\$220,775 \$\$220,775 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$198,4700 \$\$198,775	NAME OF LOAN	WWTP	Sewer Fund
2012 2034 No September 1st \$210,000 \$80,000 \$80,000 \$80,000 \$80,000 \$13,185,000 \$213,725 \$2234,850 \$2234,850 \$221,044 \$221,044 \$211,044 \$221,046 \$221,163 \$221,163 \$211,044 \$211,044 \$211,044 \$211,044 \$211,044 \$211,046 \$2	PAID BY RATES OR OTHER ?	Rates	Rates and SA
2012 2034 No No September 1st \$210,000 \$\$210,000 \$\$80,000 \$\$80,000 \$\$80,000 \$\$210,000 \$\$23,185,000 WWTP CHARGES WWTP \$234,850 \$220,650 \$221,044 \$231,163 \$220,775 \$210,300 \$199,975 \$210,300 \$198,400 \$1187,775	IF OTHER - SOURCE		SA
2012 2034 No No September 1st \$210,000 \$80,000 March 1st \$80,000 \$3,185,000 \$3,185,000 \$234,850 \$2234,850 \$2234,850 \$2234,850 \$223,725 \$223,163 \$221,044 \$221,044 \$221,045 \$211,045 \$211,045 \$211,045 \$211,045 \$211,045 \$211,045 \$211,045 \$211,045 \$211,045 \$220,775 \$219,300 \$199,975 \$199,975 \$198,400 \$1187,775	8		\$12,901
2034 No September 1st \$210,000 \$80,000 \$80,000 \$80,000 March 1st \$80,000 WWTP \$23,185,000 \$3,185,000 \$3,185,000 \$3,185,000 \$23,185,000 \$3,185,000 \$1,000 \$23,185,000 \$21,000 \$21,00	DATE OF ISSUE	2012	2015
September 1st \$\$210,000 \$\$0,000 \$\$0,000 \$\$0,000 \$\$1,000 \$\$3,185,000 \$\$1,185,000 \$\$23,185,000 \$\$23,185,000 \$\$23,185,000 \$\$23,185,000 \$\$23,185,000 \$\$23,185,000 \$\$23,163 \$\$220,775 \$\$210,300 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,975 \$\$199,4725 \$\$199,4725 \$\$199,4725 \$\$198,400 \$\$187,775	DATE OF MATURITY	2034	2036
\$eptember 1st \$210,000 \$80,000 March 1st \$80,000 \$3,185,000 \$3,185,000 \$213,725 \$213,725 \$223,850 \$223,850 \$223,163 \$220,650 \$211,044 \$231,163 \$220,775 \$199,975 \$199,975 \$199,975 \$198,400 \$198,400 \$198,400 \$198,400 \$198,400 \$198,400	IS THERE A RESERVE REQUIREMENT	No	No
September 1st \$210,000 \$80,000 \$80,000 \$80,000 \$3,185,000 \$3,185,000 \$234,850 \$224,850 \$222,650 \$220,650 \$221,163 \$211,044 \$211,044 \$211,044 \$211,045 \$210,300 \$199,975 \$199,975 \$198,4725 \$198,4725 \$198,4725 \$198,4725 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700 \$198,4700	WHAT IS THE REQUIRED ANNUAL RESERVE \$\$		
\$210,000 \$80,000 \$80,000 \$3,185,000 \$3,185,000 ANNUAL PAYMENTS CHARGES WWTP \$234,850 \$225,325 \$221,044 \$221,1044 \$221,1044 \$211,044 \$211,040 \$199,975 \$199,975 \$199,975 \$199,975 \$199,975 \$199,975 \$199,975 \$198,400 \$181,775	DATE OF - PRINCIPAL & INTEREST PAYMENT	September 1st	September 1st
\$80,000 March 1st \$80,000 \$3,185,000 \$3,185,000 ANNUAL PAYMENTS NEEDED FROM RATE CHARGES \$223,850 \$223,725 \$223,725 \$223,725 \$223,163 \$223,163 \$223,163 \$221,044 \$223,175 \$210,300 \$199,975 \$199,975 \$198,400 \$198,400 \$1187,775	\$ AMOUNT OF THIS INTEREST PAYMENT	\$210,000	\$15,000
\$3,185,000 \$3,185,000 ANNUAL PAYMENTS NEEDED FROM RATE CHARGES WWTP \$213,725 \$2234,850 \$2234,850 \$222,325 \$220,650 \$211,044 \$221,044 \$221,044 \$221,044 \$221,044 \$221,044 \$221,046 \$199,975 \$199,975 \$198,400 \$198,400 \$198,400	AMOUN	\$80,000	\$3,312
\$3,185,000 ANNUAL PAYMENTS CHARGES WWTP \$234,850 \$220,650 \$220,650 \$221,044 \$231,163 \$220,775 \$220,775 \$199,975 \$198,400 \$181,775	DATE OF - INTEREST PAYMENT	March 1st	March 1st
\$3,185,000 ANNUAL PAYMENTS NEEDED FROM RATE CHARGES \$213,726 \$2234,850 \$2234,850 \$2234,850 \$223,726 \$220,650 \$221,044 \$221,044 \$221,044 \$221,046 \$199,975 \$199,975 \$199,975 \$198,400 \$198,400 \$198,400	CURRENT CASH BALANCE IN THIS ACCOUNT	,	1000
ANNUAL PAYMENTS NEEDED FROM RATE CHARGES WWTP \$213,725 \$224,850 \$224,850 \$221,044 \$220,775 \$220,775 \$219,907 \$199,975 \$199,975 \$198,400 \$187,775	ORIGINAL LOAN AMOUNT	\$3,185,000	\$340,000
ANNUAL PAYMENTS NEEDED FROM RATE CHARGES WWITP \$213,725 \$2213,725 \$2213,725 \$2213,725 \$221,044 \$221,04650 \$221,04650 \$221,04650 \$221,04650 \$311,044 \$221,075 \$319,975 \$199,400 \$198,400 \$187,775			
2022 \$213,725 \$213,725 \$2024 \$2024 \$225,325 \$220,650 \$2025 \$220,650 \$2026 \$2027 \$220,775 \$2030 \$2034 \$210,775 \$2036 \$2037 \$2036 \$2037 \$2038 \$2040 \$2038 \$2040 \$2039 \$203	LIST THE COMBINED ANNUAL PRINCIPAL & INTEREST PAYMENTS HERE	ANNUAL PAYMENTS NEEDED FROM RATE CHARGES	ANNUAL PAYMENTS NEEDED FROM RATE CHARGES
2022 \$213,725 2023 \$234,850 2024 \$225,325 2025 \$220,650 2026 \$221,044 2027 \$231,163 2028 \$231,163 2029 \$231,163 2030 \$199,975 2031 \$194,725 2034 \$198,400 2034 \$187,775 2036 \$187,775 2036 \$187,775 2037 \$187,775 2038 \$203 2039 \$2040 2040 \$2041		WWTP	Sewer Fund
2023 \$234,850 2024 \$225,325 2025 \$220,650 2026 \$221,044 2027 \$231,163 2028 \$231,163 2029 \$231,163 2029 \$231,163 2030 \$199,975 2031 \$199,975 2032 \$198,400 2034 \$187,775 2035 \$187,775 2036 \$187,775 2036 \$103 2037 \$103 2038 \$204 2040 \$204	2022	\$213,725	\$21,625
2025 2026 2026 2026 2028 2028 2028 2029 2030 2031 2032 2034 2034 2035 2036 2036 2037 2038 2038 2038 2038 2038 2038 2039 2039 2039 2039 2040 2040 2041	2023	\$234,850	\$21,250
2025 \$220,650 2026 \$211,044 2027 \$231,163 2028 \$231,163 2029 \$220,775 2030 \$199,975 2031 \$199,975 2031 \$199,975 2032 \$198,472 2034 \$187,775 2036 \$187,775 2036 \$187,775 2037 \$103 2038 \$204 2040 \$204	2024	\$225,325	\$20,875
2026 2027 2028 2028 2029 2029 2030 2031 2032 2032 2034 2034 2035 2036 2036 2036 2037 2038 2038 2040 2040 2040 2070 2040 2041	2025	\$220,650	\$20,500
2027 2028 2029 2029 2030 2031 2031 2032 2033 2034 2034 2035 2036 2036 2037 2038 2038 2038 2038 2040 2040 2041	2026	\$211,044	\$20,125
2028 \$220,775 2029 \$210,300 2030 \$199,975 2031 \$194,725 2032 \$198,400 2034 \$198,400 2034 \$187,775 2036 \$103 2036 \$103 2037 2038 \$103 2040 2040	2027	\$231,163	\$19,750
2030 2031 2031 \$199,975 2031 \$2032 2033 \$2034 \$198,400 2034 \$2036 2035 2036 2036 2037 2038 2038 2038 2039 2040 2041	2028	\$220,775	\$19,375
2031 \$199,975 2031 \$194,725 2032 \$209,175 2034 \$187,775 2036 2037 2038 2038 2038 2039 2040 2041	2029	\$210,300	\$24,000
2032 \$209,175 2033 \$198,400 2034 \$187,775 2036 \$2036 2037 \$2037 2038 \$2039 2040 \$2041	2030	\$199,975	\$23,500
2032 \$109,175 2033 \$198,400 2034 \$187,775 2036 2037 2037 2038 2039 2040 2040 2041	2031	\$194,725	\$23,000
2034 \$188,400 2034 \$187,775 2036 2037 2038 2038 2039 2040 2040 2041	2032	\$209,175	\$22,500
2035 2036 2036 2037 2038 2039 2040 2040 2041	2033	\$198,400	\$22,000
2035 2036 2037 2038 2039 2040 2040 2041	2034	\$187,775	\$21,500
2036 2037 2038 2039 2040 2041 2041	2035		\$21,000
2038 2038 2039 2040 2041 2041	2036		\$20,500
2039 2030 2040 2041 2041 2041	203/		
2039 2040 2041 OBE IN VEAD OF 2034	2038		
2040 2041 OEE IN VEAD OF 2034	2039		
OEF IN VEAR OF	2040		
	204 -	7000	2000

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Bruce Township - Com	
LOANS, BONDS, INTEREST, ANNUAL PAY	MENT
WWTP	\$213,725
Sewer Fund	\$21,625
TOTAL ANNUAL PAYMENTS	\$ 235,350.00
No Tax revenue or special assessment revenue is applied to	these payments
PROPOSED NEW DEBT - TOTAL FUNDED	
INTEREST RATE	
LENGTH OF LOAN (YEARS)	
ANNUAL PAYMENT	0
TOTAL DEBT - NEW & CURRENT	<u>\$235,350</u>
WHAT YEAR IS LOAN PAID OFF	
IS DEBT LISTED SEPARATELY ON WATER BILL	
IF USDA RD LOAN ANNUAL RESERVE FUNDING	\$0
List any additional notes on the loans here.	

Bruce Township - Com CASH FLOW STATEMENT - ACTUAL	Depreciation - Bu	v statement does no it does included prin	cipal and interest
SASTIT LOW STATEMENT PROTOSTE	YEAR ENDING	YEAR ENDING	YEAR ENDING
EXPENSES ACTUAL	2019	2020	2021
EXPENSES ACTUAL BOND PAYMENTS - PRINICAL BOND PAYMENTS - INTEREST	\$435,855 \$210,000 \$88,092	\$696,240 \$205,000 \$85,278	\$434,674 \$210,000 \$78,887
MINUS DEPRECIATION	\$158,538	\$158,539	\$158,540
NORMAL ANNUAL OPERATING EXPENSES	\$575,409	\$827,979	\$565,021
		consecutives a security of the second	
INCOME ACTU	AL EARNED		
REVENUE	\$593,117	\$689,224	\$643,507
INCOME TOTAL CUSTOMER BILLINGS	\$593,117	\$689,224	\$643,507
GALLONS OF WATER SOLD	1,198,654	1,366,291	717,851
NORMAL ANNUAL INCOME	\$593,117	\$689,224	\$643,507
OVERALL INCOME	\$593,117	\$689,224	\$643,507
PROFIT / LOSS CUSTOMER BILLINGS	\$17,708	-\$138,755	\$78,486
PROFIT / LOSS NORMAL REVENUE	\$17,708	-\$138,755	\$78,486
OVERALL PROFIT / LOSS	\$17,708	-\$138,755	\$78,486

	2022	VOLUME COST PER UNIT	\$0.00	\$5.12	\$5.12	\$0.00	\$0.00	\$0.00	\$5.12	\$0.00	\$5.12	\$4.36	\$0.76	18%	\$5.12				0.00	T \$5 12	21.75	\$4.36	\$0.76	17.5%	\$0.00				л \$5,121	\$8,352		\$10,943	ED \$72.49
afforney	6	CONSUMPTION VARIABLE EXPENSES	0\$	\$56,040	\$56,040	0\$	\$0	0\$	\$56,040						\$56,040	12%	\$0	\$56,040		100 CUFT									EVERY MILLION GALLONS GENERATES REVENUE OF		\$183,403		NON METERED
r community's		COST PER 3/4 METER	\$0.00	\$31.20	\$31.20	\$39.67	\$4.01	\$43.68	\$74.88	\$2.39	\$72.49	\$40.00	\$32.49	81%	\$74.88				2.39	\$72.49	412.40	\$40.00	\$32.49	81.2%	\$54.37				EVERY MILLION GALLON	\$175,050	COMBINED ADDITIONAL REVENUE GENERATED	\$5,388	
ation with you		BASE RATE FIXED EXPENSES	\$0	\$168,121	\$168,121	\$213,725	\$21,625	\$235,350	\$403,471	CTION PER REU / UNIT	RATE CHARGE FOR O&M AND LOANS	CURRENT RATE	INCREASE	PERCENT INCREASE	\$403,471	%88	\$12,901	\$390,570		MONTH		CURRENT RATES	INCREASE OF	PERCENT INCREASE	Bruce Township - Res					ADDITIONAL REVENUE GENERATED	COMBINED ADDITION	\$1.00 INCREASE GENERATES	
e sure to review the results of this evaluation with your community's attorney		PERCENT FIXED EXPENSES	20%	75%		100%	100%	<i>31400</i>		NON OPERATING INCOME REDUCTION PER REU / UNIT	RATE CHARGE																						
view the result	nool olli Mola	ANNUAL BUDGET	\$0	\$224,162	\$224,162	\$213,725	\$21,625	\$235,350	\$459,512	NON OPE					\$459,512	\$259,705		\$446,611		PER			22/181							ON	ON	METER SIZE	
Please he sure to rev			LABOR & BENEFITS	OPERATION & MAINTENANCE EXPENSES	SUBTOTAL OPERATIONAL EXPENSES	WWTP	Sewer Fund	SUBTOTAL LOANS	TOTAL REGULAR EXPENSES		7				ADOPTED BUDGET	CURRENT REVENUE	NON OPERATING INCOME REDUCTION CONTRIBUTION	REVENUE COLLECTED THROUGH RATES	NON OPERATING INCOME REDUCTION PER REU / UNIT	CALCULATED RATE PER 3/4 METER		ANNUAL EQUIVALENT REU'S 5,388	ANTICIPATED GALLONS INVOICED 1,094,265	INVOICES PER YEAR 12	TOTAL NUMBER OF CUSTOMERS / METERS 595	ANTICIPATED EQUIVALENT GALLONS / UNITS 10,943	GALLONS USED 4,000	AMOUNT OF BILL \$277.34	PERCENT INCREASE 29%	DOES THE COST PER "UNIT / WATER" INCLUDE INCLINING OR DECLINING RATES	GALLONS INCLUDED WITH THIS CALCULATED BASE RATE?	IS BASE KATE PER REU, - OR PER METER SIZE?	

		Bruce Town	Bruce Township - Com			1	Bruce Township - Res
PER 100 CUFT	\$5.12	12	\$4.36	36		\$0.76	\$0.00
	NE	NEW	CURRENT	ENT		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	\$72.49	1.00	\$40.00	1.00	81.2%	\$32.49	\$54.37
_	\$72.49	1.00	\$40.00	1.00	81.2%	\$32.49	\$54.37
1 1/2	\$72.49	1.00	\$40.00	1.00	81.2%	\$32.49	\$54.37
2	\$72.49	1.00	\$40.00	1.00	81.2%	\$32.49	\$54.37
3	\$72.49	1.00	\$40.00	1.00	81.2%	\$32.49	\$54.37
4	\$72.49	1.00	\$40.00	1.00	81.2%	\$32.49	\$54.37
9	\$72.49	1.00	\$40.00	1.00	81.2%	\$32.49	\$54.37

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.

	Bruce Township - Com	Bruce Township - Com	DIFFERENCE PER MONTH	DIFFERENCE PER MONTH	Br	uce Township - I	Res
PER 100 CUFT	\$5.12	\$4.36	\$0.76		\$0.00	\$0.00	
1.50,100,700,100	NEW	CURRENT			NEW	CURRENT	DIFFERENCE
METER SIZE	BASE RATE PER MONTH	BASE RATE PER MONTH					
3/4	\$72.49	\$40.00	\$32.49	\$10.83	\$54.37	\$30.00	\$24.37
1	\$72.49	\$40.00	\$32.49	\$10.83	\$54.37	\$30.00	\$24.37
1 1/4	\$72.49	\$40.00	\$32.49	\$10.83	\$54.37	\$30.00	\$24.37
1 1/2	\$72.49	\$40.00	\$32.49	\$10.83	\$54.37	\$30.00	\$24.37
2	\$72.49	\$40.00	\$32.49	\$10.83	\$54.37	\$30.00	\$24.37
3	\$72.49	\$40.00	\$32.49	\$10.83	\$54.37	\$30.00	\$24.37
4	\$72.49	\$40.00	\$32.49	\$10.83	\$54.37	\$30.00	\$24.37

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

Bruce Township			
	Bruce Township - Com	Bruce Township - Res	REVENUE
	New Cost per Unit of Water Sold		NEW RATES
\$ PER 100 CUFT	\$5.12	\$0.00	
UNITS Sold	10,943	0	10,943
Income	\$56,040	\$0	\$56,040
PERCENT OF USAGE	100%	0%	
PERCENT REVENUE	100%	0%	
	NON SALES INCOME APPLIED TO VAI	RIABLE BUDGET	\$0
	TOTAL ANTICIPATED REVENUE F	T T	\$56,040
METER SIZE	NEW BASE RATE PER MONTH	The State of the State of Country	
100	\$72.49	\$54.37	
NO. CUSTOMERS	2	584	
INVOICES PER YEAR	12	12	
ANNUAL INVOICES	24	7,008	
INCOME	\$1,739.73	\$381,001.66	\$382,741
1.1/2	\$72.49	\$54.37	
NO. CUSTOMERS	1	0	
INVOICES PER YEAR	12	12	
ANNUAL INVOICES	12	0	
INCOME	\$869.87	\$0.00	\$870
2	\$72.49	\$54.37	
NO. CUSTOMERS	4	0	
INVOICES PER YEAR	12	12	
ANNUAL INVOICES	48	0	
INCOME	\$3,479.47	\$0.00	\$3,479
3	\$72.49	\$54.37	,
	1	0	
NO. CUSTOMERS	12	12	
INVOICES PER YEAR	12	0	
ANNUAL INVOICES	·	\$0.00	\$870
INCOME 4	\$869.87 \$72.49	\$54.37	φονο
3 17 1 7 1 7 1 7 1 7 1	3	0	
NO. CUSTOMERS	12	12	
INVOICES PER YEAR	36	0	
ANNUAL INVOICES	\$2,609.60	\$0.00	\$2,610
,,,00mz	22,55500	Fixed Income	\$390,570
-	ANTICIPATED LOSS OF FIXED INCOME FRO		\$0
	INCOME GENE	RATED BASE RATE	\$390,570
	NON SALES INCOME APPLIED	TO FIXED BUDGET	\$12,901
TOTAL ANTI	CIPATED REVENUE BASE RATE / RTS + NO	1	\$403,471
	MBINED CUSTOMER INCOME = BASE RATE		\$459,512
, 5 , 7 2 00		· 	
	TOTAL COMBINED CU	JSTOMER INCOME	\$459,512
	, SIME SOMEWED SE	Budget Goal	\$459,512

Bruce Twp Sewer Rates 2022 22 CONFIRMATION OF INCOME

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.

Bruce Township	YEAR OF 2022	2022					CAPITAL IM	CAPITAL IMPROVEMENT PROJECTS	STS		O TSOC INTINNA	SANGON CANADA TOO TALIMAN	2,000%
CAPITAL IMPROVEMENT PROJECTS											SIMONE COST	- CONTROLLED	2.00%
									CO	CURRENT RESERVE BALANCE APPLIED TO CAPITAL IMPROVEMENTS	CE APPLIED TO CAPIT,	AL IMPROVEMENTS	
CAPITAL IMPROVEMENT IDEAS WERE GENERATED FROM	VERE GENERA	ATED FROM	No	No Capital Improvements at this time.	ements at this ti	me.					AVG. INTERES	AVG. INTEREST RATE IN SAVINGS	0.00%
										THIS COULD BE FROM A LOAN			
NOTES										THAT GETS PAID OFF			
		ESTIMATED	AMOUNT FUNDED IN		IS THIS	MONEY	VEAR	PROJECT	CIP	EXTRA ANNUAL CIP FUNDING	ANNUAL AVERAGE BLIDGET	COMBINED	RUNNING
CAPITAL PROJECT	PRIORITY	PROJECT	WATER	COMPLETE IN YEAR OF	YEAR FLEXIBLE?	RESERVED	2022	SEELIST	\$0	0\$	<u>ō</u> \$	\$0	\$0
0	A .	0\$	0\$	0	YES	\$0	2023		\$0	\$0	0\$	\$0	0\$
0	8	\$0	\$0	0	YES	80	2024		\$0	\$0	\$0	\$0	\$0
0	O	\$0	\$0	0	YES	80	2025		\$0	\$0	\$0	\$0	\$0
0	O	\$0	\$0	0	YES	000	2026		80	0\$	80	0\$	08
0	0	\$0	\$0	0	YES	0	7207		9 6	000	000	9 6	00
0	O	\$0	\$0	0	YES	20	2028		0,50	0,60	0,50	0 8	0,50
0.0	0	0,60	0,40	0 0	YES	000	2029		Q .	09 6	09 69	OS S	Q 6
0 0	٥	04	OA G	0 0	YES	os os	2031		0\$	0\$	80	80	80
C	0	\$0	\$0	0	YES	80	2032		\$0	\$0	\$0	\$0	\$0
0	O	\$0	\$0	0	YES	\$0	2033		\$0	\$0	\$0	\$0	\$0
0	O	\$0	\$0	0	YES	20	2034		0, 6	0.50	0.5	0,50	0,50
0		000	000		VES	9 6	2033		9 05	0\$	80	SO S	80
	0	\$0	80	0	YES	80	2037		\$0	\$0	\$0	80	\$0
	0	\$0	\$0	0	YES	\$0	2038		\$0	\$0	\$0	\$0	\$0
0	O	\$0	\$0	0	YES	\$0	2039		\$0	\$0	\$0	80	\$0
0	O	\$0	\$0	0	YES	0\$	2040		\$0	\$0	\$0	0\$	\$0
0	O	\$0	\$0	0	YES	80	2041		\$0	\$0	\$0	20	20
0	O	\$0	\$0	0	YES	\$0	2042		\$0	\$0	\$0	\$0	\$0
	TOTALS	\$0.00	\$0.00										

							_	_	_	+	_		_	_	+	Ⅎ
									COMBINED	INCOME	\$465,116	\$470,860	\$476,748	\$482,782	\$488,968	
									PROJECTED INCOME	CONSUMPTION	\$57,441	\$58,877	\$60,349	\$61,858	\$63,405	
		\$0.00	\$5.12	\$0.00	\$5.12	2.5%			NON OPERATING INCOME		80	80	0\$	0\$	20	
		THER EXPENSES	S COST PER UNIT		TOTAL RATE PER UNIT	Suggested annual increase in percent			TOTAL	RATE	\$5.25	\$5.381	\$5.515	\$5,653	\$5.794	
		LOANS, RESERVE FUNDING & OTHER EXPENSES	LABOR & OPERATIONS COST PER UNIT		ATOT TOTA	Suggested annual			LABOR & OPER.	RATE	\$5.249	\$5.381	\$5.515	\$5.653	\$5.794	cosr .
		LOANS, RES	4				let.			\$ INCREASE	\$0.1280	\$0.1312	\$0.1345	\$0.1379	\$0.1413	& OPERATIONS
							100 CHET			% INCREASE	2.5%	2.5%	2.5%	2.5%	2.5%	SONLYLABOR
							11/3		PROJECTED INCOME	FIXED COST	\$407,674	\$411,982	\$416,398	\$420,924	\$425,564	INCREASE CALCULATION USES ONLY LABOR & OPERATIONS COST
									OPERATING	INCOME	\$12,901	\$12,901	\$12,901	\$12,901	\$12,901	N
									TOTAL	RATE	\$73.27	\$74.069	\$74.888	\$75.728	\$76,589	
THE RESIDENCE OF THE PARTY OF T		\$43.68	\$31.20	\$2.39	\$72.49	2 50%	6.270		LABOR & OPER.	RATE	\$31.983	\$32.783	\$33.602	\$34.442	\$35.303	
CHANGE OF THE PARTY OF THE PART		SES EXPENSES	B 3/4" MFTER	XTBA INCOME	TOTAL RATE	tacone of con	dse III perceiii			\$ INCREASE	\$0.780	\$0.800	\$0.820	\$0.840	\$0.861	
	Com	OANS DESCEDIE FINDING & OTHER EXPENSES	APOD & OBEDATIONS COST DEP 3/4" METER	MINIS NON-OBERATING EXTRA INCOME		coord lourses between	Suggested almual inclease in percent	COST	ď	% INCREASE \$ INCREASE	2.5%	2.5%	2.5%	2.5%	2.5%	
FIVE TEAK INCREASE	Bruce Township Bruce Township - Com	DANG DEGE	I ADOD 9 OD	MINIS	201		Sno	BASE RATE COST	LABOR & OPER.	RATE	\$31.20	\$31.98	\$32.78	\$33.60	\$34.44	
FIVE TEA	Bruce Township		DATE CONTINUES.				100000000000000000000000000000000000000	のでは、	٦	YEAR	2023	2024	2025	2026	2027	

TOTAL COMBINED INCOME \$465,116 \$470,860 \$476,748 \$482,782

\$488,968

INCREASE RATES ANNUALLY

LOANS / BONDS / ARE NOT INCLUDED IN ANNUAL INCREASE. RESERVE FUNDING ALREADY HAS COST OF LIVING BUILT INTO REPLACEMENT SPREADSHEETS.
CUSTOMERS are more likely to pay for rate increases if their rates are generally stable. Most systems know that the worst thing they can do is maintain a stable rate for many years, then increase it by 10 percent or more. A single, large increase can lead to "rate shock" and opposition to the increase. It is far better to increase rates by 2 percent per year for 5 years than 10 percent once every 5 years.

31.5 PROJECTED C.O.L. INCREASE