

# **CONSULTING ENGINEER'S ANNUAL REPORT**

**MIFFLIN COUNTY MUNICIPAL AUTHORITY  
MIFFLIN COUNTY, PENNSYLVANIA**

**OPERATION AND MAINTENANCE OF  
WATERWORKS SYSTEM**

**2023**

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# INTRODUCTION AND BACKGROUND

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The Consulting Engineer's Annual Report for 2023 is a review of the public water supply system operations, maintenance, and financial solvency. Beginning on September 30, 2021, the public water supply system underwent a transfer of operations from the Municipal Authority of the Borough of Lewistown (MABL) to the Mifflin County Municipal Authority (the Authority).

In the transfer of operations, an Authority Board of Directors was appointed. All existing MABL staff and professional consultants were retained and remain in place as of the date of this report.

At the time of the ownership transfer, the Authority issued \$24,605,000 of Water Revenue Bonds, Series of 2021. The bond issue purpose is to provide funds for the purchase of the water treatment and distribution system of MABL as well as to fund certain capital projects of the Authority including, but not limited to, the replacement or installation of water supply lines at numerous locations, repairs and improvements to fire suppression lines and facilities, plant upgrades, including the installation of settling basins and lagoons, and meter replacements as well as approximately \$1,300,000 for the funding of initial operating capital. Also related to the purchase of the water system, the Authority agreed to pay the Borough of Lewistown, Pennsylvania, \$1,000,000 together with the execution and delivery of a water revenue promissory note payable, representing the obligation of the Authority to make annual installment payments over the next thirty years.

The Authority is in the process of implementing the capital projects anticipated by the bond issue.

# PART I EXTENSIONS, REPAIRS, AND IMPROVEMENTS

## A. TRANSMISSION MAINS/WATER SUPPLY

The Mifflin County Municipal Authority (MCMA) serves residents in Mifflin County, Pennsylvania by providing potable drinking water, through a complex maze of almost 300 miles of transmission and distribution mains. MCMA also provides fire protection with approximately 600 fire hydrants throughout the service area. MCMA serves approximately 30,000 residents in the county and maintained over 11,000 billable accounts in 2023.

## B. DISTRIBUTION MAINS

Four (4) distribution mains were completed in 2023:

- 1) Installed 1,300' of 2" polyethylene pipe on Shelly Drive, Brown Township. Project # 125080  
The cost of 1,300' of installed pipe was \$34,221 (\$26/ft.)
- 2) Installed 300' of 2" polyethylene pipe on Feters Lane, Derry Township. Project # 125059  
The cost of 300' of installed pipe was \$4,792 (\$16/ft.)
- 3) Installed 3,500' of 8" DR18 PVC from the Belleville Tank to Front Mountain Road, Union Township. Project # 125026.  
The cost of 3,500' of installed pipe was \$368,872 (\$85/ft.) Directional bore (\$69,750) under the natural gas line is not included in the price per foot calculation.
- 4) Installed 3,000' of 8" DR18 PVC along Front Mountain Road, Union Township. Project # 125029.  
The cost of 3,000' of installed pipe was \$95,090 (\$32/ft.)

One (1) distribution main was replaced in 2023:

- 1) Contractor installed 3,800' of 20" cement lined ductile iron pipe on Old Route 322, Armagh Township. Project # 125064  
The cost of 3,800' of contractor installed pipe was \$1,467,022 (\$386/ft.)  
Replaced aged and deteriorated infrastructure – 3,800' of 20" ductile iron pipe.  
10 service lines renewed.

Average installation costs 2023:

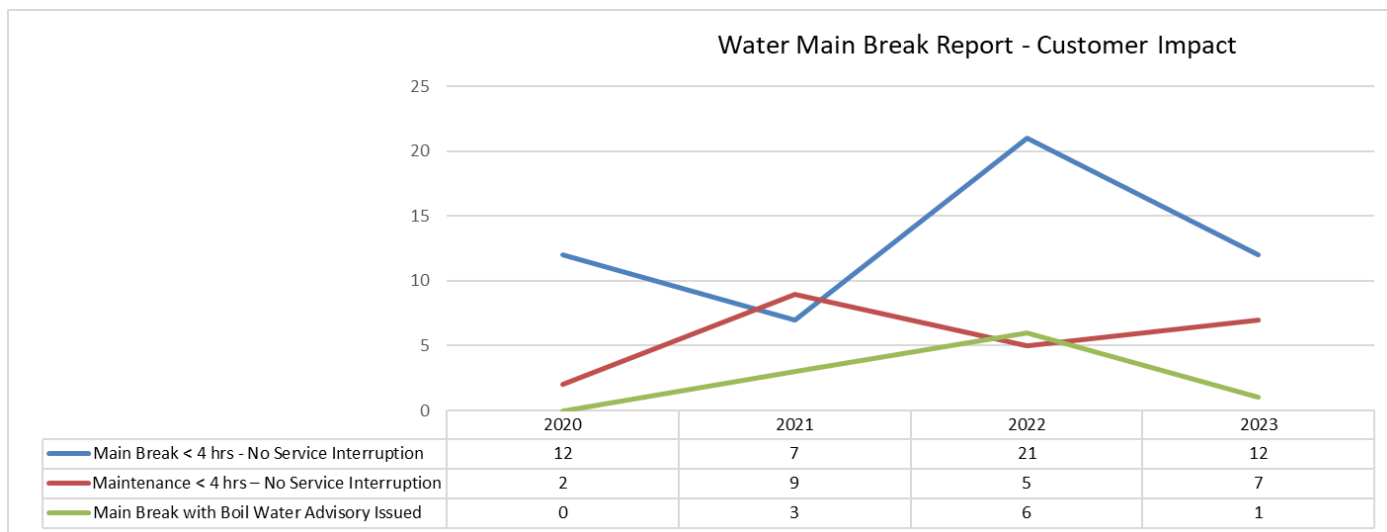
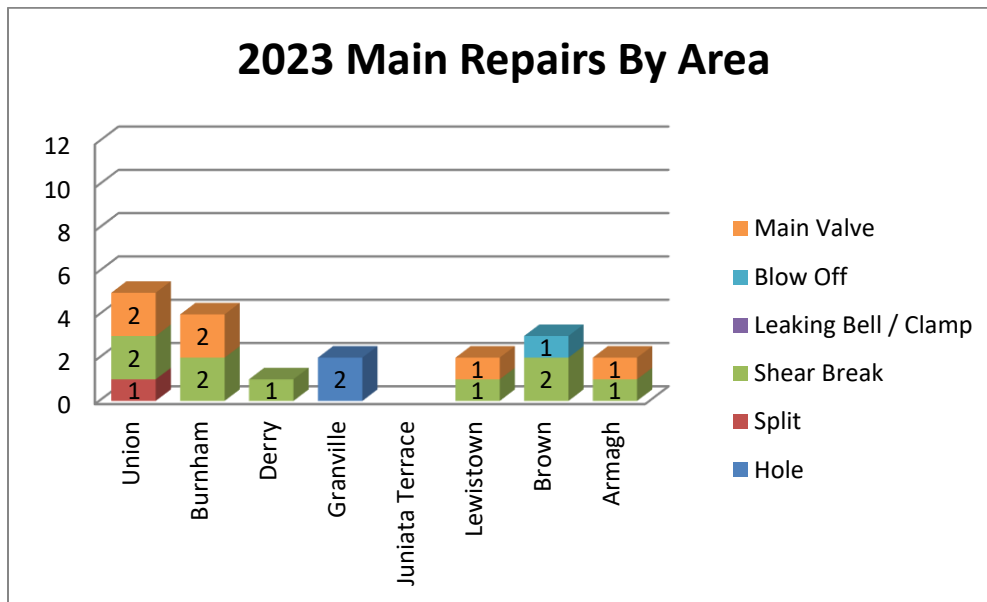
Material	\$ Cost / Foot 2023	\$ Cost / Foot Historically
1" Polyethylene	-	\$36
2" Polyethylene	\$21	\$26
6" Cement Lined Ductile Iron	-	\$72
8" Cement Lined Ductile Iron	-	\$136
8" DR18 PVC	\$59	\$48
20" Cement Lined Ductile Iron	\$386	\$225

**TABLE NO. 1  
 MAIN EXTENSIONS INSTALLED UNDER NO-REFUND or REIMBURSEMENT AGREEMENTS  
 DURING THE YEAR 2023**

<u>EXTENSION#</u>	<u>NAME &amp; ADDRESS</u>	<u>LINE SIZE</u>	<u>COST</u>
None		N/A	
TOTAL			None

**C. MAINTENANCE OF MAINS AND VALVES**

In addition to the preceding improvements, data on main repairs by type and location is used for future infrastructure planned maintenance. The following graphs summarize the repairs made by municipality served:



Maintenance and other general repairs that were completed throughout the system during the report year:

<ul style="list-style-type: none"> <li>Semi-annual leak detection</li> </ul>	Entire System
<ul style="list-style-type: none"> <li>Flushing</li> </ul>	Entire System

**D. SERVICE LINES**

**New Service Lines Installed 2023:**

- 15 ¾" Polyethylene Line
- 5 ¾" Polyethylene Line with Meter Pit
- 12 ¾" Copper Line
- 1 ¾" Copper Line with Meter Pit
- 2 4" Fire Line with Meter Pit
- 1 6" Fire Line Tap
- 3 2" Fire Line Tap
- 2 4" Fire Line Tap

**Service Lines Renewed 2023:**

- 9 ¾" Polyethylene Replacing ¾" Copper
- 1 1" Polyethylene Replacing 1" Copper

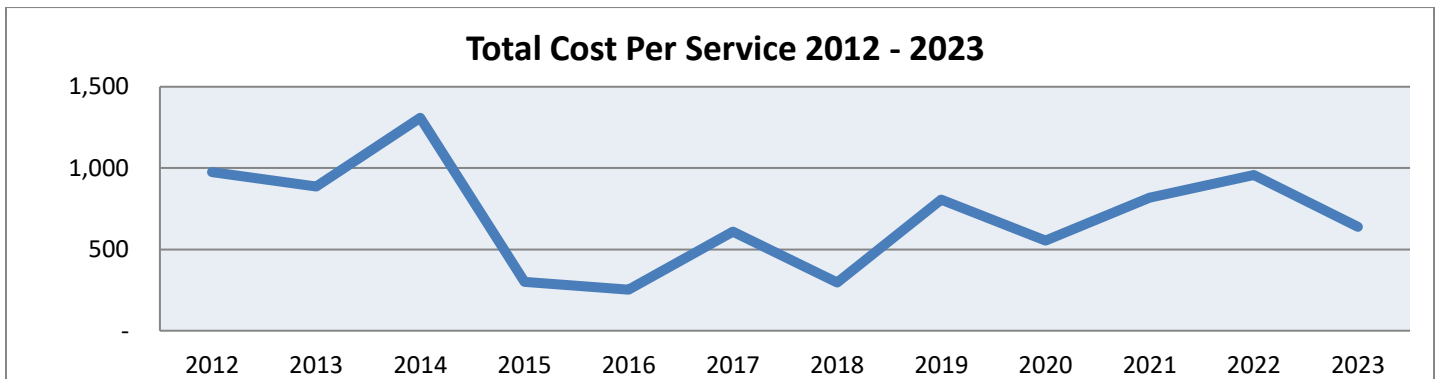
The total expenditure of \$17,226.70 for service line installations can be categorized as follows:

- 17,347.25 Labor
- 15,211.06 Materials, Permits, Restoration
- \$32,558.31 Total

The following tabulation shows the breakdown of the costs of Authority service lines from 2012 to 2023 inclusive:

**HISTORICAL ANALYSIS OF ANNUAL SERVICE LINE COSTS**

YEAR	NEW SERVICES	*SERVICES RENEWED	TOTAL	TOTAL COST OF SERVICE LINES (\$)	COST OF LABOR PER SERVICE (\$)	MATERIAL & PERMITS PER SERVICE (\$)	TOTAL COST PER SERVICE (\$)
2012	16	3	19	18,532.57	409.12	566.27	975.40
2013	19	2	21	18,628.28	572.89	314.17	887.06
2014	20	7	27	35,344.84	629.14	679.93	1,309.07
2015	93	1	94	28,285.33	186.45	114.46	300.91
2016	117	7	124	31,307.75	104.68	147.80	252.48
2017	53	10	63	38,399.13	295.43	314.08	609.51
2018	29	4	33	9,775.11	232.18	64.03	296.22
2019	16	11	27	21,774.37	462.29	344.17	806.46
2020	19	2	21	11,616.23	188.68	364.47	553.15
2021	26	113	26	21,252.23	215.45	601.94	817.39
2022	18	184	18	17,226.70	633.65	323.39	957.04
2023	41	10	51	17,347.25	15,211.06	32,558.31	638.40



The unit cost of service line installation was \$638.40, a decrease of \$318.64, or a 33.3% decrease compared to 2022.



**E. METERS**

New Meters and Electronic Reading Devices purchased in 2023:

No. Purchased	Meter Size & Type
24	5/8 x 3/4 Badger Meter
38	1" Badger Ultrasonic Meter
1	1 1/2" Badger Ultrasonic Meter
15	2" Badger E-Series Meter
9,332	Badger HR-E Register
21	Badger HR-E Registers 1"
1	Badger HR-E Registers >1"
9,500	Itron 100W ERT's

ERT's Scrapped:

1300 Itron 50W & 60W

During 2023, there were 3135 service calls made. A 12% increase compared to 2022.

**Meter Vault Maintenance:**

- Pumping as needed

**F. FIRE HYDRANTS AND FIRE LINE SERVICE**

Three (3) fire hydrants were replaced:

- N Main St and Electric Ave – Armagh Township
- Expansion Dr (Maine's) – Granville Township
- Old US HWY 322 at Pleasant Ln – Armagh Township

Six (6) new fire hydrants were installed:

- SR 655 and Old Rd – Union Township
- Peace Dr – Granville Township
- SR 305 and Greenwood Rd – Union Township
- SR 4003 and Barville Rd at RT 655 – Union Township
- Old SR 322 at Laurel Creek
- Front Mountain Rd and Peight's Store Ln – Union Township

Fifteen (15) hydrants were repaired during the report period.

**G. LAUREL CREEK FILTRATION PLANT, INTAKE, WATER SUPPLY AND DAM STRUCTURES**

During 2023, regular maintenance was performed at the Laurel Creek Filtration Plant intakes and dam as well as the following items:

Laurel Creek Filtration Plant

- Installed new ozone monitors (4)
- Installed new CL17 chlorine monitoring unit in pipe gallery
- Installed new turbidimeter and pH probe
- Installed peristaltic feed pumps (2)
- Installed a new digital chemical feeder
- Contact basins drained, cleaned, and inspected
- Installed new valve on filter #4
- Installed portable steps for catwalk access
- Installed vapor lock LED lights in blower room
- Cleaned lagoons and installed a gate

## Wells

- Installed new sump pump at McCoy well 1
- Installed mesh screen on blow offs (3)
- Installed solenoid valve at Milroy well

## Storage Tanks

- Hawstone tank cleaned, inspected, and general maintenance
- Contact tanks #1 and #2 drained, inspected, cleaned, and tested
- Clear well drained, inspected and cleaned

## Grounds

- Installed security system and monitoring equipment
- Contractor installed a new rubber roof on the boat house
- Installed LED lights (2)
- Cleaned and sealed intake tower bridge expansion joint

## Ozone Generator/Contact Room

- Completed ozone compressor maintenance
- Completed quarterly maintenance schedule

## Sodium Hypo Room

- Cleaned generator cells

## Laboratory

- Replaced lab thermometers
- Completed well compliance testing
- No violations on DEP regulatory testing

## Office & Controls

- Installed new HVAC mini split
- Installed 50" security monitor

## **H. CONTROL AND PUMPING STATIONS**

Transmission mains deliver water from the Laurel Creek Filtration Plant to twenty-three (23) individual pressure control stations located throughout the distribution system. Valve operation and flow values were recorded quarterly. Closing speeds were inspected and adjustments were made accordingly. Maintenance performed during the report year:

### Hartman's Center & RT 322 – Milroy

- Replaced plumbing and 8" pressure reducing valve

### Electric Avenue & RT 322 – Milroy

- Inspected and cleaned 4" and 8" pressure reducing valves

### Treaster Valley – Milroy

### RT 322 – Milroy

- Inspected and cleaned 4" and 8" pressure reducing valves

### Coopers Gap – Reedsville

- Inspected and cleaned 2" pressure reducing valve

### Tea Creek – Reedsville

- Inspected and cleaned 2" pressure reducing valve

### Reedsville Mill – Reedsville

- Inspected and cleaned 4" pressure reducing valve

### Lumber City – Reedsville

- Inspected and cleaned 2" pressure reducing valves (2)

### Bender Park – Reedsville

- Inspected and cleaned 6" pressure reducing valve

### East Belleville PRV/Altitude Valve – Belleville

- Removed 8" pressure reducing valve, moved to Hartman Center vault

### Ferguson Valley Road (Police Station) – Yeagertown

- Inspected and cleaned 2" and 4" pressure reducing valves

### Ferguson Valley Road – Lewistown

### Freedom Avenue – Burnham

- Inspected and cleaned 3" pressure reducing valve

### East Lewistown Parcheytown – Lewistown

- Inspected and rebuilt 2" pressure reducing valve
- Inspected and cleaned 6" pressure reducing valve

Rolling Hills/Derry Tank – Lewistown

- Inspected and cleaned 6” pressure reducing valve

Amy Lane – Lewistown

- Inspected and cleaned 2 ½” pressure reducing valve

3<sup>rd</sup> Avenue & Highland Avenue (Ort Valley) – Lewistown

- Replaced leak on flange connection

Sandy Lane – Lewistown

Ard’s Ridge – Lewistown

Helen Street – Lewistown

West 4<sup>th</sup> Street – Lewistown

- Inspected and cleaned 4” and 6” pressure reducing valves

US 22/522 N (Lowe’s) – Lewistown

Industrial Park Road – Lewistown

There are four (4) pumping stations that are used to increase water pressure or to fill storage tanks. The pumping stations, the pumping capacities - gallons per minute (GPM) and maintenance for the report year:

Route 655 Woolen Mills – Reedsville

Capacity (GPM): 700

- Quarterly inspection
- Installed a pressure relief valve

Mechanic Street – Belleville

Capacity (GPM): 240

- Quarterly inspection
- Installed backup generator connection
- Replaced pump motor saver

Oak Street – Milroy

Capacity (GPM): 100

- Quarterly inspection
- Replaced pump motor
- Installed backup generator connection

Oakridge Road – Lewistown

Capacity (GPM): 100

- Quarterly inspection
- Replaced pump motors
- Replaced shut off gauge
- Installed backup generator connection

**I. RESERVOIRS, STORAGE TANKS AND STANDPIPE**

In addition, the distribution system provides water from two (2) clear well tanks and seven (7) storage tanks. The tanks and their capacities are outlined below. Maintenance consisted of quarterly inspections and the following:

<b>Location/Tank:</b>	<b>Capacity</b>	<b>Maintenance</b>
Laurel Creek Filtration Plant Clear Well Tank #1	1,250,000	
Laurel Creek Filtration Plant Clear Well Tank #2	1,250,000	
North Walnut Street – Lewistown	2,000,000	
West End – Lewistown	1,322,000	
Derry Township – Lewistown	250,000	Inspected and cleaned. Valve and hatch maintenance.
Swarey Lane – Belleville	250,000	Inspected and cleaned. Valve and hatch maintenance
Juniata Terrace – Lewistown	135,000	
Rockville – Belleville	97,000	
Hawstone – Granville	86,000	Drained, inspected and cleaned. Installed a silt ring, tank mixer, anode bars, overflow screen, exterior water level gauge, and hatch gaskets.

**J. FILL STATIONS**

Normal preventative maintenance and quarterly inspections were completed throughout the year at the following locations:

Depot Street, Lewistown

Parcheytown Road, Lewistown

Mill Street, Reedsville

**K. AUTOMOTIVE EQUIPMENT ON HAND – DECEMBER 31, 2023**

<b>YEAR</b>	<b>MAKE (ID #) VEHICLE</b>	<b>MILEAGE</b>
2007	Ford F-750 Dump Truck (#9-74129)	113,946
2011	Ford Dump Body (#14-20023)	80,512
2013	Ford F350 Utility Body (#11-80880)	135,336
2013	Ford F150 (#1-92111)	151,465
2015	Chevrolet Silverado 1500 Crew Cab (#12-97523)	Retired
2015	Chevrolet Silverado 1500 (# 4B-96545)	96,513
2017	International Dump Truck (#8-01892)	49,743
2018	Chevrolet 3500 Utility Body (#2-61926)	54,569
2018	Chevrolet Silverado 1500 Crew Cab (#6-39602)	105,009
2019	Ford F350 (#16-18666)	32,639
2020	Ford F350 Utility Body (#7-86373)	39,990
2020	Ford Escape (#5-11215)	26,386
2021	Ford F350 (#17-09646)	25,066
2021	Ford F150	14,938
2022	Ford F750 (#3-2477)	11,662
	<b>MACHINERY</b>	<b>HOURS</b>
2006	Mustang Skid Loader	3,338
2010	Case 590 Backhoe (32401)	3,593
2013	Takeuchi 285 Excavator	3,491
2017	Mustang Excavator 350Z	1,392
2021	Mustang Skid Steer 2600	314
2003	Moritz Trailer (08868)	N/A
2008	Landscape Trailer (80196)	N/A
2010	Hudson Trailer 12 Ton (00006)	N/A
2015	12 Ton Hudson Trailer (00029)	N/A
2016	Homesteader Job Trailer	N/A
2022	P J Trailer	N/A
	Trailer, Boat (7323018)	N/A
	Trailer Mounted Water Buffalo (13686)	N/A
	Trailer Mounted Generator	N/A

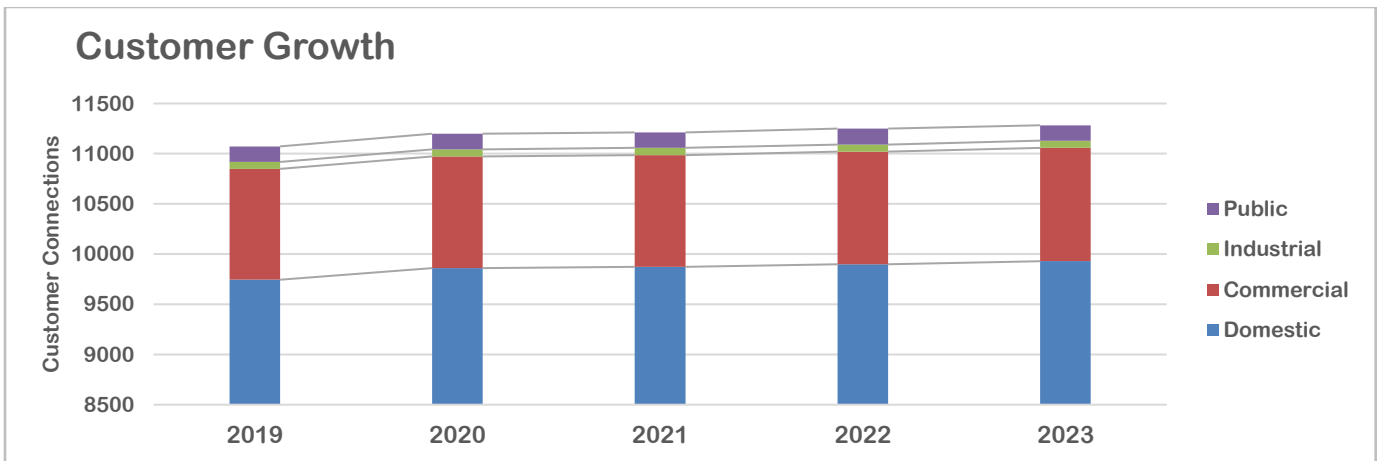
## PART II OPERATIONS

### A. CONSUMERS

The number of metered consumers served by the Authority totaled 11,283 as of December 31, 2023. The total number of metered consumers increased by 34 compared to 2022. Multiple dwelling units totaled 315 serving 1,413 individual consumers.

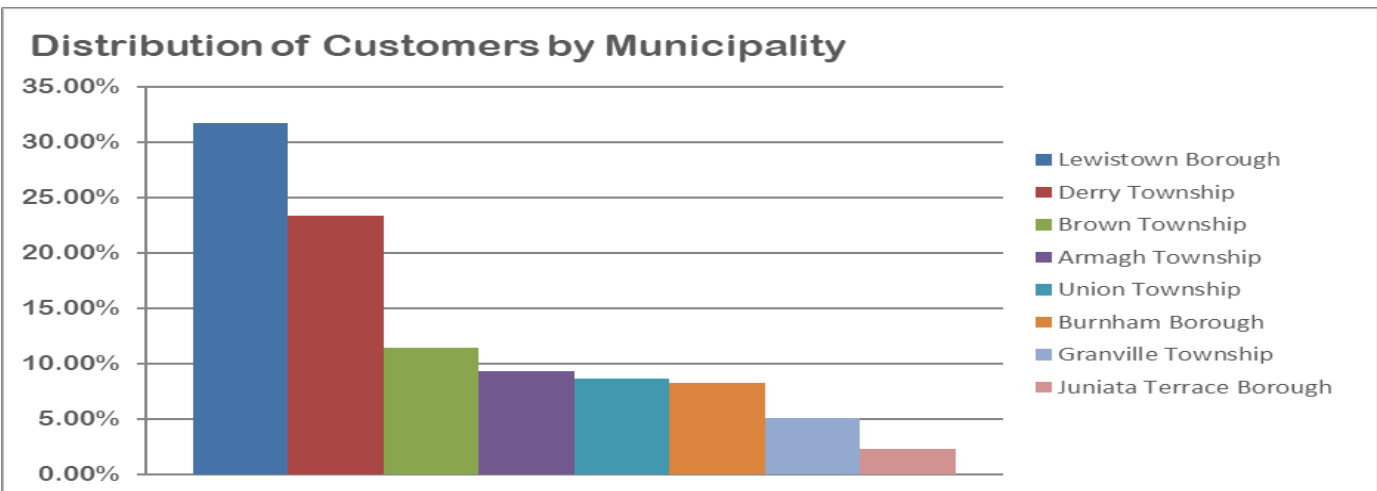
The following tabulation of metered consumers for the past five (5) years is shown for comparative purposes:

<u>Classification</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Domestic	9,745	9,859	9,874	9,900	9,929
Commercial	1,104	1,113	1,113	1,119	1,129
Industrial	69	71	71	72	72
Public	<u>155</u>	<u>157</u>	<u>155</u>	<u>158</u>	<u>153</u>
TOTAL	11,073	11,200	11,213	11,249	11,283



Average Daily Water Consumption - As of December 31, 2023

<u>Customer Type</u>	<u># of Customers</u>	<u>Percentage</u>	<u>Consumption GPD</u>
Domestic	9,929	88.0%	1,013,014
Commercial	1,129	10.0%	375,170
Industrial	72	0.6%	439,893
Public	<u>153</u>	<u>1.4%</u>	<u>61,162</u>
Total, Existing Service Area	11,283	100%	1,889,239



**B. USE OF WATER**

The total water consumption by metered customers for the year 2023 was 689,572,000; the average daily metered consumption was 1,889,000 gallons. The domestic, commercial, industrial, and public categories of metered consumption decreased 65,054,000 gallons or -8.6%.

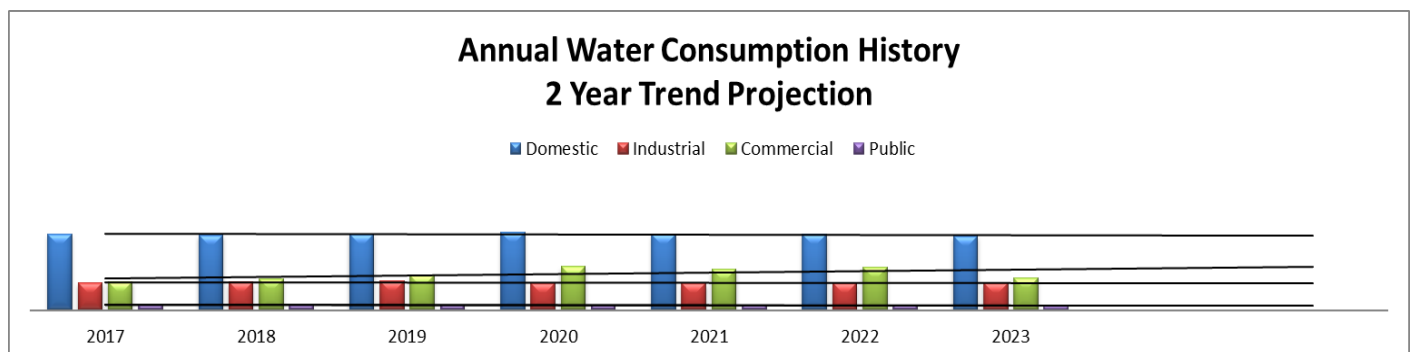
The metered non-consumption water category has been added (2018). The non-consumption represents metered water used throughout the distribution system to maintain water quality.

A tabulation of the water usage by metered customers for the last 10 years (2014 - 2023) is presented in the following table.

**TABLE No. 2  
Mifflin County Municipal Authority  
Water Supplied to Metered Consumers – 10 Year History**

METERED CONSUMPTION '000 GALS	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
DOMESTIC	369,750	375,245	377,212	387,037	378,239	373,608	379,696	383,824	377,856	382,597
COMMERCIAL	136,937	137,749	135,852	134,468	145,390	141,323	137,232	137,219	136,100	138,323
INDUSTRIAL	160,561	215,806	203,547	217,682	174,666	155,797	141,671	131,192	121,319	121,782
PUBLIC	22,324	25,826	24,645	24,709	27,283	25,635	27,211	31,235	28,765	29,346
ANNUAL METERED CONSUMPTION	689,572	754,626	741,256	763,896	725,578	696,363	685,810	683,470	664,040	672,048
DAILY METERED CONSUMPTION (MGD)	1,889	2,067	2,031	2,093	1,988	1,908	1,879	1,873	1,819	1,841
METERED – NON-CONSUMPTION	34,259	50,451	53,469	43,181	43,018	39,411	-	-	-	-
ANNUAL PLANT PRODUCTION	871,038	952,915	997,483	901,601	887,175	869,002	787,699	849,859	843,760	859,195
DAILY PLANT PRODUCTION (MGD)	2,386	2,611	2,733	2,470	2,431	2,381	2,158	2,328	2,312	2,354
TOTAL METERED CONSUMPTION	723,831	805,077	794,725	807,077	768,596	735,804	685,810	683,470	664,040	672,048
UNACCOUNTED WATER (MG/Year)	147,207	147,838	202,758	94,524	118,579	133,198	101,889	166,389	179,720	187,147
UNACCOUNTED WATER (MGD)	.403	.405	.556	.259	0.325	0.365	0.279	0.456	0.492	0.513
UNACCOUNTED WATER (%)	16.90%	15.51%	20.33%	10.48%	13.37%	15.33%	12.94%	19.58%	21.30%	21.78%

Based on total finished water production at the filtration plant released to the system of 871,038,000 gallons and the total metered consumption of 723,831,000 gallons the total percentage of unaccounted for water is 16.90% or 147,207,000 gallons (0.403 MGD). Unaccounted for water is the difference between the amount of water produced and delivered from the source of supply, and the amount of metered consumption. Unaccounted for water includes unmetered uses such as hydrant flushing, firefighting, leakage from pipeline joints and broken pipes and under registration of customer meters. The acceptable standard adopted by the DEP for modern water distribution systems is 20% maximum unaccounted for water. Active water leak detection is completed semi-annually, at a minimum, as a remedy to reduce unaccounted for water.



**Total Water Produced, Sold and Unaccounted For**

Period	# of Water Customers	Water Produced 000's Gallons	Water Consumption 000's Gallons	Unaccounted for 000's Gallons	% of Loss
2011	10,728	905,077	729,382	175,695	19.4
2012	10,723	905,884	730,091	175,793	19.4
2013	10,724	935,775	736,253	199,522	21.3
2014	10,732	859,195	672,048	187,147	21.8
2015	10,750	843,760	664,040	179,720	21.3
2016	10,944	849,859	683,470	166,389	19.6
2017	11,036	787,699	685,810	101,889	12.94
2018	11,041	869,002	735,804	133,198	15.33
2019	11,073	887,175	768,596	118,579	13.37
2020	11,200	901,601	807,077	94,524	10.48
2021	11,213	997,483	794,725	202,758	20.33
2022	11,249	952,915	805,077	147,838	15.51
2023	11,283	871,038	723,831	147,207	16.90

The following tabulation illustrates changes in water consumption and the number of consumers between 2022 and 2023 and presents the average daily usage per consumer during 2023:

Classification	2022 vs. 2023 Change in Gallons	2022 vs. 2023 Change by Percent	Consumer Change 2023	2023 Avg Daily Use Per Consumer GPD
Domestic	-5,495,000	-1.46%	29	102
Commercial	-812,000	-0.59%	10	332
Industrial	-55,245,000	-25.60%	0	6110
Public	-3,502,000	-13.56%	-5	400
<b>TOTAL</b>	<b>13,370,000</b>		<b>34</b>	

### C. OPERATING REVENUES AND EXPENSES

In accordance with the Trust Indenture dated as of September 30, 2021, an operating budget of \$3,501,960 was recommended by the Consulting Engineer for the year 2023 and was adopted by the MCMA Authority Board on December 21, 2022.

A tabulation of the actual operating revenues and operating expenses for 2023 and a budget to actual comparison is shown below. The actual revenues were under the adopted budget by \$73,342 and the operating expenses were under the adopted budget by \$474,898. The operating income before capital expenditures was \$2,834,037.

Revenue and Expense – Budget to Actual – Budgetary Basis

Operating Revenue	MCMA Actual Revenue	2023 Approved Budget	Over (Under) Budget
Metered	5,595,834	5,756,941	(161,107)
Unmetered	265,265	177,500	87,765
<b>Total Operating Revenues</b>	<b>\$5,861,099</b>	<b>\$5,934,441</b>	<b>\$(73,342)</b>

Operating Expense	MCMA Actual Expenses	2023 Approved Budget	Over (Under) Budget
General & Administration	1,919,394	2,114,860	(195,466)
Filtration Plant	479,771	583,000	(103,229)
Purification System	268,620	366,500	(97,880)
Distribution System	267,258	347,000	(79,742)
Control/Pumping Stations	80,661	64,400	16,261
Water Collection System	11,092	26,200	(15,108)
Net Consumer Deposits Paid	266	0	266
<b>Total Operating Expenses</b>	<b>\$3,027,062</b>	<b>\$3,501,960</b>	<b>\$(474,898)</b>
<b>Operating Income</b>	<b>\$2,834,037</b>	<b>\$2,432,481</b>	<b>\$401,556</b>

Nonoperating Revenue (Expenses)	MCMA Actual Expenses	2023 Approved Budget	Over (Under) Budget
Interest Income	80,488	18,000	62,488
Investment Income	445,137	24,000	421,137
Capital Grants Received	0	0	0
Proceeds on Sale of Capital Assets	0	0	0
Cash Transferred on Acquisition	0	0	0
Principal Long-Term Debt & Revenue Bonds	(1,181,000)	(1,266,500)	(85,500)
Debt Service Interest	(711,750)	(703,000)	(8,750)
<b>Total Nonoperating Revenue (Expense)</b>	<b>(1,367,125)</b>	<b>(1,927,500)</b>	<b>(560,375)</b>
<b>Net Income Before Capital Expenditures</b>	<b>\$1,466,912</b>	<b>\$504,981</b>	<b>\$961,931</b>



The following tabulation is a comparison between 2021, 2022 and 2023 revenues billed and the changes by dollar amount and percent:

	2021	2022	2023	Compare 2022 to 2021		Compare 2023 to 2022	
				\$\$\$'s	%	\$\$\$'s	%
Domestic	3,610,206	3,600,044	3,713,071	(10,162)	-0.3%	113,027	3.1%
Commercial	1,035,614	1,047,787	1,083,726	12,173	1.2%	35,939	3.4%
Industrial	513,030	542,126	450,919	29,096	5.7%	(91,207)	-16.8%
Public	215,780	216,993	207,390	1,213	0.6%	(9,603)	-4.4%
<b>TOTAL</b>	<b>\$ 5,374,630</b>	<b>\$ 5,406,950</b>	<b>\$ 5,455,106</b>	<b>32,320</b>	<b>0.6%</b>	<b>48,156</b>	<b>0.9%</b>

**D. 2023 ADDITIONS AND RETIREMENTS TO FIXED ASSETS/CAPITAL**

The following capital additions and construction in progress projects were recorded in 2023.

Account #	Account	Description	Itemized	Total \$
1.00.104000	Filtration Plant	Mitsubishi Minisplit	5,000	
		Filter Plant Security	168,493	
		Laser Turbidimeter	910	
		Laser Turbidimeter	5,173	
		Boat House Roof (JM Young)	7,590	
		Merrick Model 25-06 Chemical Feed Hopper	27,091	
		Under Drain Sludge Cleaning	6,069	
		SCADA Engineering	660	220,986
1.00.105000	Lands & Pumping Sta R/W	Thomas L & Lena B Swarey	2,500	2,500
1.00.110000	Control Facilities & Equipment	Grundfos Pump - Mechanic St	5,825	
		South Hills Pump Station Weg Motors	5,825	11,650
1.00.113000	Distribution Mains	Bvllle Tank to Peights Main - Belleville	368,872	
		Main Front Mtn Rd - Belleville	88,163	
		Fetter's Ln	4,792	
		Old US HWY 322 Relocation 20" - Milroy	1,460,095	
		Hawstown Water System	4,268	
		Shelly Dr - Reedsville	34,221	1,960,411
1.00.114000	Service Lines 3/4"	Labor/Material & Supplies	18,186	18,186
1.00.114010	Service Lines 1"	Labor/Material & Supplies	351	351
1.00.114020	Service Lines > 1"	Labor/Material & Supplies	14,021	14,021
1.00.115000	Meters	Meters 5/8 x 3/4"	1,900	
		HR-E Registers	769,195	
		Itron 100W ERTs	904,657	
		Meters 1"	11,846	
		Meters 1 1/2"	684	

Account #	Account	Description	Itemized	Total \$
		Meters 2"	13,373	
		DSW Contractor Register/ERT Project	15,000	
		Meter Material	6,935	
		Itron Mobile Set Up Fee	275	1,723,866
1.00.116000	Fire Hydrant	SR 655 & Old Rd - Belleville	6,927	
		Front Mountain Rd & Peight's Store Ln - Belleville 125029	6,927	
		N Main St & Electric Ave - Milroy	6,927	
		Old US HWY 322 @ Laurel Creek - Milroy	6,927	
		Old US HWY 322 @ Pleasant Ln - Milroy	6,927	
		Expansion Dr (Maine's Roofing) - Lewistown	6,927	
		Peace Dr - Granville Twp	6,927	
		SR 305 & Greenwood Rd - Belleville	6,927	
		SR 4003 & Barville Rd @ Rt 655 - Belleville	6,927	62,346
1.00.119000	Office Equipment	FZ-G2 Office Dock	497	
		MC4MAX RF Unit W/Sidelooker Antenna	33,214	
		ITRON Mobile Radio Assembly	2,902	36,613
1.00.120000	Other General Equipment	F Plant HVAC REZNOR Heaters	16,850	
		Ozone Analyzers-4	35,305	
		FCS Leak Detector	10,500	
		2023 Ford Explorer	39,543	
		South Hills Generator	3,200	
		Milroy Pump Station US Plan Electric	1,125	
		<b>Total:</b>		<b>4,162,382</b>

The following fully depreciated items were recorded as of 12/31/23 per policy. The assets have been removed from service or retired after five (5) years of full depreciation.

Account #	Account	Asset Retired	Depreciation \$	Gain/(Loss)
1.00.104000	Water Filtration Plant	Material and Supplies	476	
		Tank Maintenance	68,050	
		Building Repair / Maintenance	1,767	
		Contact Tank #1 & #2 Maintenance - 2008	263,435	
		FT660 Turbidimeter – 2	15,588	
		Cell Assembly CT 75	22,075	
		Garage Door Chloring Room	2,725	(1,045)
		Ozone System Analysis	10,325	
1.00.108000	Chemical Treatment Plant	Pumping Equipment	2,031	
		Equipment	680	
		Material and Supplies	1,900	
1.00.113000	Distribution Mains	1965 Additions	14,821	
		1966 Additions	90,644	
		1967 Additions	28,726	
		1968 Additions	10,842	
		Misc Additions 2016	860	
1.00.114000	Service Lines	1975 Additions	14,943	
		1976 Additions	18,508	
		1977 Additions	18,709	
1.00.115000	Meters and Meter Boxes	Meters and Meter Boxes 2000 Additions	12,095	
		Meters and Meter Boxes CIP Adjustment	5,884	
		Meters 2001	95,768	
1.00.116000	Fire Hydrants	1990 Labor	1,033	
		1990 Stock Requisitions	4,076	
		Developer Cost #216	1,200	
		1991 Additions	3,856	
		1993 Additions	3,070	
1.00.117000	General Office Structure	Gass Heater	2,100	
		Office Renovation Labor	2,382	
		Office Renovation Material	3,426	
1.00.119000	Office Equipment	FINX, UTYX, Payroll System and Software	4,775	
		Dell VOSTRO	2,421	
		VOSTRO F Plant	1,343	
		Laptop	1,276	
		Ipad	554	
1.00.120000	Other General Equipment	STS Leak Detector	3,270	
		Chevy Silverado Crew Cab	27,385	(6,390)
		Filter Plant PC	1004	
		2018 Ford F-350	39,714	(22,505)
<b>Total:</b>			<b>803,737</b>	<b>(29,940)</b>

**E. BUDGET FOR YEAR 2024**

In compliance with the Trust Indenture, an operating budget for the year 2024 was submitted on December 20, 2023. The budget with a 4% rate increase was adopted by the Authority on December 20, 2023, and submitted to the Trustee, US Bank, as follows:

<b><u>REVENUES</u></b>		
Metered	5,836,755	
Unmetered	622,500	
<b>Total Revenues:</b>		<b>\$ 6,459,255</b>
<b><u>OPERATING &amp; GENERAL EXPENSES</u></b>		
Water Collection System	30,200	
Purification System	362,750	
Filtration Plant	581,000	
Control Stations	69,500	
Distribution System	364,500	
Security	8,000	
Timber Management	5,000	
General Expenses	4,267,932	
<b>Total Operating &amp; General Expenses:</b>		<b>\$ 5,688,882</b>
<b><u>MANAGEMENT EXPENSES</u></b>		
Board Salaries & Expenses	30,900	
Consulting Engineer Fees	73,000	
Legal Services	35,000	
Audit & Consulting Fees	44,000	
<b>Total Management Expenses:</b>		<b>\$ 182,900</b>
<b>Total 2024 Operating Budget Expenses:</b>		<b>\$ 5,871,782</b>

The operating budget for 2024, which according to the Trust Indenture must be prepared prior to the closing of the books for the previous year, shows an increase of \$73,722 compared to the operating budget for the year 2023. The interest expense and depreciation has been added to the 2024 operating budget.

Long Term Debt service principal payments for 2024:

2021 Water Revenue Bond Series	\$910,000
Mifflin County	\$100,000
Lewistown Borough Note	\$313,680

<b>Financial Metrics</b>	<b>Goal</b>	<b>2024 Budget</b>
Operating Ratio	> 1.0	1.10
Affordability	< 2.5%	0.09%
Capital Reserves	> 15% or \$968,888	\$3,983,196
Debt Service Ratio	>1.2	0.38

**Table No. 3  
 MIFFLIN COUNTY MUNICIPAL AUTHORITY  
 2024 CAPITAL BUDGET ADDITIONS AND IMPROVEMENTS**

	<u>Itemized</u>	<u>Total</u>
<b>Filter Plant</b>		
SCADA Upgrade / Hardware	150,000	
Concrete Sludge Lagoon, Settling Basin, and Drying Bed Design	50,000	
Monitoring Equipment Filter Plant	35,000	235,000
<b>Fire Hydrants</b>		
Fire System Improvements	110,000	
Fire Hydrants	35,000	145,000
<b>Mains</b>		
SRBC Mitigation - Armagh Twp Main 1200' of 6" Main	40,000	
Main Replacements LCRR <2"	50,000	
322 Pleasant Acres (300')	30,000	
Woodland Rd Reedsville (3,000')	550,000	
Electric Ave Bridge Cost Share	33,000	
Gardenview Fire & Water Quality Improvement (1350' & 4 hydrants)	70,000	
Juniata Terrace Alternate Supply MCMA & CDBG Grant	1,162,000	
Airport Rd Water Main	500,000	
MCC Loan Water System Improvement Project	500,000	2,935,000
<b>Meters</b>		
Meter Reading Hardware Upgrade Contractor	809,250	
Meters	15,000	824,250
<b>Office Structure</b>		
Office Final Design, Permitting, Bid	100,000	
Office Design and Construction	1,500,000	1,600,000
<b>General Equipment</b>		
Fleet Truck Replacement (Hybrid)	53,000	53,000
	<b>Total</b>	<b>5,792,250</b>

**F. EMPLOYMENT AND LABOR RELATIONS**

The following table shows the Authority employees by classification as of December 31, 2023:

Classification	Total Employees	Employees Represented by AFSCME Local 213
Administrative/Office	6	0
Filter Plant	8	4
Distribution	9	2
Service Technician	2	2
TOTAL	25	8

The Authority has not experienced a labor union strike since 1976. Current union relations are characterized as very good. The current contract with the Union expires on December 31, 2025.

# PART III

## QUALITY OF WATER

### A. BACTERIOLOGICAL ANALYSIS

Bacteriological analysis of samples of the treated water from various points on the distribution system were made weekly throughout 2023. The samples were tested at our Laurel Creek Water Treatment Plant Lab using Colilert testing. These samples were incubated at 34.5 – 35.5 degrees Celsius for 24 hours. The samples were then analyzed for growth. The Authority is required by law to report any growth of total coliforms as a “presence” while no growth is reported as “absence.”

The series of analysis for Mifflin County Municipal Authority consisted of 396 samples at predetermined locations. The number of 100ml samples showing growth as well as the percentage of positive samples is represented in Table 4. Thirty (30) samples are required monthly from predetermined locations. In a five (5) week month thirty-seven (37) samples from predetermined locations are required monthly. The number of positive results of coliform growth, which is determined by the presence of at least one colony, has been shown. The September sample from Apron Green was coliform present and E. coli negative. Subsequent samples which included a re-collect at the sample site, a sample upstream of the sample site, and downstream of the sample site were all coliform absent and E. coli negative. No further sampling was required.

The series of analysis for Mifflin County Municipal Authority – Hawstone Well consisted of 12 samples at the well location. The number of 100ml samples showing growth as well as the percentage of positive samples is represented in Table 5. One (1) sample is required monthly from the well location. The number of positive results of coliform growth, which is determined by the presence of at least one colony, has been shown. The July sample was coliform present and E. coli negative. Subsequent samples which included a re-collect at the sample site, a sample upstream of the sample site, and downstream of the sample site were all coliform absent and E. coli negative. No further sampling was required.

Standards of the US EPA stipulate that for treated water of acceptable quality, not more than 10% of all standard 100ml portions examined per month by the Colilert procedure shall show the presence of coliform organisms.

### B. PURIFICATION

Treatment Plant Chemicals Consumed:

Chemical	2019 Chemical Feed	2020 Chemical Feed	2021 Chemical Feed	2022 Chemical Feed	2023 Chemical Feed
Soda Ash (dry) lbs	25,550	35,850	142,000	108,650	79,700
Del PAC 2020 lbs	88,712	105,772	147,026	117,463	109,557
Corrosion Inhibitor lbs	15,623	30,009	64,251	44,781	32,784
Fluoride (dry) lbs	7,300	7,100	5,250	-	-
Fluoride (HFS) lbs	-	-	11,760	29,420	25,497
Salt (Purex) lbs	59,325	78,275	93,780	48,980	60,000
0.8% Sodium Hypo-Chlorite gal	194,473	192,815	276,694	240,124	210,320
12.5% Sodium Hypo-Chlorite gal	-	-	-	-	42.3

**Table No. 4  
 MIFFLIN COUNTY MUNICIPAL AUTHORITY  
 2023 Annual Report – Colilert**

**Bacteriological Test Results Showing Coliform Organisms per 100ml. For Required Water Samples and Percent of 100ml. Portions of Treated Water Showing Coliform Organisms**

	<b>Total Monthly Tests</b>	Coopers Gap	Knob Mountain Road	Schrader Church	Track Lane	Derry Township	Rolling Hills	Rt 522 N – Log Cabin Inn	Oakridge Road	Apron Green Lane	Belleville Lane	Rockville Tank	Mechanic Street Pump Station	Belleville Tank	Walnut Street Tank	Juniata Terrace Tank	Locust Drive, Reedsville	Laurel Creek Filtration Plant	Ferguson Valley Road	Rt 522 S – Lerch	Granville Industrial Park Rd	Greenbriar Road	Geisinger Lewistown Hospital	Derry Tank	West End Tank	Lewistown Waste Water Plant	70 Chestnut St – MCMA	Burnham Borough Office	West Railroad Street	Tollgate Hill	Oak Street Pump Station	<b>Number Positive</b>	<b>% Positive</b>
JAN	37	1	1	1	1	1	2	1	1	3	1	1	2	1	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	0	0
FEB	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
MAR	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
APR	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
MAY	37	1	1	1	1	1	2	1	1	3	1	1	2	1	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	0	0
JUN	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
JUL	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
AUG	37	1	1	1	1	1	2	1	1	3	1	1	2	1	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	0	0
SEP	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3%
OCT	37	1	1	1	1	1	2	1	1	3	1	1	2	1	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	0	0
NOV	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
DEC	31	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
<b>Total</b>	<b>396</b>	12	12	12	12	12	16	12	12	28	12	12	16	12	12	12	16	12	16	12	16	12	12	12	12	12	12	12	12	12	0	.3%	

**Table No. 5**  
**MIFFLIN COUNTY MUNICIPAL AUTHORITY**  
**Hawstone Well**  
**2023 Annual Report – Colilert**

**Bacteriological Test Results Showing Coliform Organisms per 100ml. For Required Water Samples and Percent of 100ml. Portions of Treated Water Showing Coliform Organisms**

	Total Monthly Tests	Hawstone Well	Number Positive	% Positive
JAN	1	1	0	0
FEB	1	1	0	0
MAR	1	1	0	0
APR	1	1	0	0
MAY	1	1	0	0
JUN	1	1	0	0
JUL	1	1	1	100%
AUG	1	1	0	0
SEP	1	1	0	0
OCT	1	1	0	0
NOV	1	1	0	0
DEC	1	1	0	0
Total	12	12	1	8%



**C. LAUREL RUN FILTRATION PLANT**

During the year 2023, the Filtration Plant was operated on a “tank fill” mode of operation, where the clear wells were allowed to draw down overnight and then refilled during the next 12-16 hours of operation. The estimated total finished, treated water produced by the Filtration Plant was 1,009,455,449 gallons. 871,038,236 gallons went directly to the distribution system while the remainder was used to backwash the four mixed media gravity filters as well as for various processes within the plant.

Rainfall recorded at the plant for 2023 totaled 37.17 inches. This was 5.22 inches less than the amount recorded for 2022. The four (4) wettest months were June, July, August, and December. The four (4) driest months were February, March, May, and November. Rainfall recorded at the Filtration Plant from 2019 to 2023 follows:

<b>Month</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
January	4.35	1.55	1.20	2.05	3.35
February	3.95	2.20	2.55	5.20	1.10
March	2.85	3.95	2.80	2.45	1.50
April	3.40	2.60	1.65	3.44	2.97
May	6.45	4.05	3.25	5.30	1.00
June	3.75	1.90	2.25	3.95	3.40
July	2.15	0.23	6.80	1.20	4.80
August	2.45	4.45	5.30	3.25	6.90
September	1.20	2.05	8.75	3.90	3.10
October	1.05	2.75	3.35	2.35	2.85
November	2.55	2.95	1.40	5.55	2.15
December	2.90	5.70	1.25	3.75	4.05
<b>Total</b>	<b>37.05</b>	<b>34.38</b>	<b>40.55</b>	<b>42.39</b>	<b>37.17</b>

Average annual rainfall for the period 2019-2023 is 38.31 inches.

## PART IV INSURANCE

### A. SCHEDULE OF INSURANCES

The properties of the Authority are insured in compliance with the Trust Indenture. The amount of fire insurance coverage is adequate and in accordance with the recommendation of the Authority's Consulting Engineer.

It is recommended that all existing annual policies for public liability, automobiles, and employees compensation expiring during the year be renewed with the limits of coverage as now exists.

A complete list of all insurance policies in effect as of December 31, 2023 is presented in Table No. 6. Certificates of Insurance covering all policies are on file with the Trustee in accordance with the Trust Indenture.

Under terms of the agreement with the union representing the employees, the Authority has provided life insurance for all its employees. This insurance is under the group plan of National Insurance Services – Madison National Life Insurance Company and has coverage of \$20,000 for all the regular employees, Business Manager, Water Production Manager; coverage of \$25,000 on the Executive Director.

**TABLE NO. 6  
MIFFLIN COUNTY MUNICIPAL AUTHORITY  
SCHEDULE OF INSURANCE IN EFFECT AS OF 12/31/2023**

POLICY NUMBER	EFFECTIVE DATE	COMPANY	COVERAGE	LIMITS	PREMIUMS
PA B0686PC2014-1	06/13/23 to 06/13/24	PIRMA	General Liability & Legal Liability Defense & Claim Payment Building & Personal Property Value Inland Marine Boiler & Machinery Automobile Physical Damage	\$10,000,000 29,775,660 Included Included ACV	
			Extensions of Coverage: Data Processing Equipment & Media Errors & Omissions Employee Benefits Pollution	100,000 500,000 100,000 500,000	<b>\$63,274</b>
107444834	06/13/23 to 06/13/24	Travelers	Crime - Forgery Computer Crime – Fraud Funds Transfer Fraud	100,000 100,000 100,000	
					<b>\$700</b>
				<b>Total Premium</b>	<b>\$63,974</b>

A complete re-appraisal and report of the buildings, fixed contents and movable contents of the Authority's various locations was effective October 03, 2023. The inspection and analysis was completed by Industrial Appraisal Company personnel in accordance with a formal agreement authorizing the appraisal.

PART V  
ADEQUACY OF RATES AND STATUS OF FUNDS

**A. ADEQUACY OF RATES Per Indenture Section 5.01**

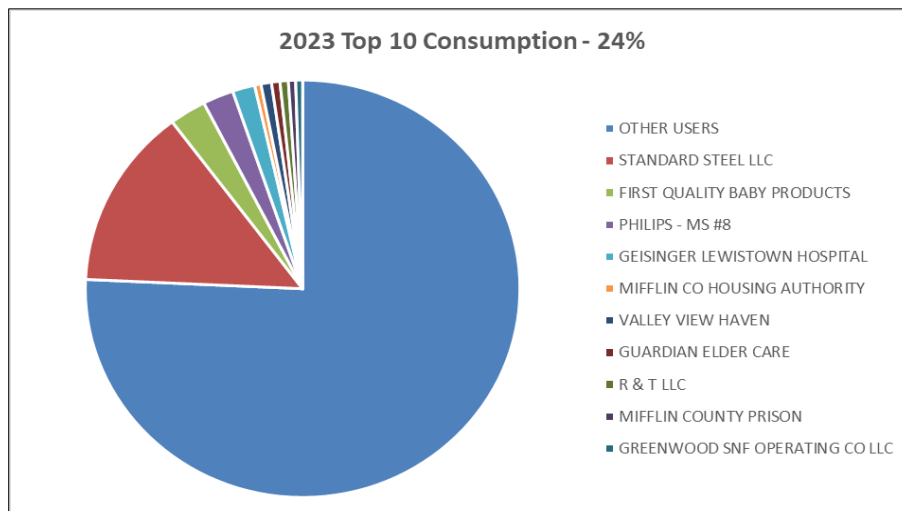
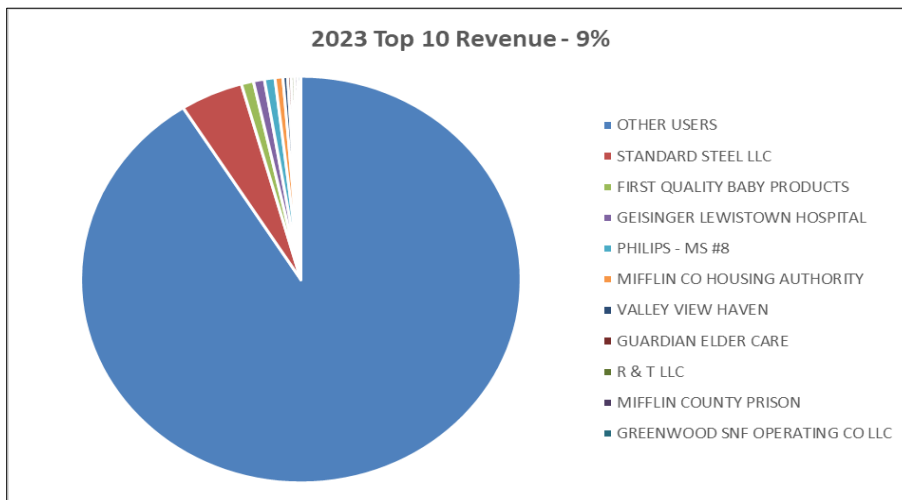
The rates charged for services rendered by the Mifflin County Municipal Authority are adequate to meet calendar year 2023 financial obligations as required by Trust Indenture Section 5.01. The rate tests required by the Indenture were conducted as part of preparing the 2024 Operating Budget and were submitted to the Trustee along with the approved 2024 Capital Budget.

**TABLE NO. 7  
STATEMENT OF ESTIMATED REVENUES AND EXPENDITURES FOR THE PERIOD  
JANUARY 1, 2024 TO DECEMBER 31, 2024**

<b>REVENUES</b>	
Metered	5,836,755
Unmetered	622,500
<b>TOTAL REVENUES</b>	<b>\$ 6,459,255</b>
<b>OPERATING &amp; GENERAL EXPENSES</b>	
Water Collection System	30,200
Purification System	362,750
Filtration Plant	581,000
Control Stations	69,500
Distribution System	364,500
Security	8,000
Timber Management	5,000
General Expenses	4,267,932
<b>TOTAL OPERATING EXPENSES</b>	<b>\$ 5,688,882</b>
<b>MANAGEMENT EXPENSES</b>	
Board Salaries & Expenses	30,900
Consulting Engineer Fees	73,000
Legal Services	35,000
Audit and Consulting Fees	44,000
<b>TOTAL MANAGEMENT EXPENSES</b>	<b>\$ 182,900</b>
<b>TOTAL OPERATING AND MANAGEMENT EXPENSES</b>	<b>\$ 5,871,782</b>
<b>NET OPERATING INCOME (EXPENSE)</b>	<b>\$ 587,473</b>
<b>NON-OPERATING EXPENSES</b>	
Debt Service Principal	(1,010,000)
Lewistown Borough Principal	(313,680)
Less Depreciation	1,593,100
<b>NET INCOME (EXPENSE)</b>	<b>\$ 856,893</b>

**MIFFLIN COUNTY MUNICIPAL AUTHORITY  
10 LARGEST CUSTOMERS - 2023**

#	FIRM	BUSINESS	REVENUE
1	Standard Steel LLC	Steel Fabrications	254,855
2	First Quality Baby Products	Manufacturing	49,466
3	Geisinger Lewistown Hospital	Health Care	44,605
4	Philips	Manufacturing	42,774
5	Mifflin County Housing	Elderly Housing	31,817
6	Valley View Haven	Nursing Home / Assisted Living	19,056
7	Guardian Elder Care	Nursing Home / Assisted Living	14,215
8	R & T LLC	Car Wash	13,867
9	Mifflin County Prison	Prison	12,794
10	Greenwood SNF Operating Co LLC	Nursing Home	12,162
		<b>Total</b>	<b>\$495,610</b>



Minimum Monthly Water Charge – Current and Historic

Meter Size	Gallons	01/01/23	01/01/22	01/01/21	01/01/20	01/01/19	01/01/18
5/8"	1,000	21.33	19.91	19.91	19.91	19.91	19.91
3/4"	6,000	57.24	53.44	53.44	53.44	53.44	53.44
1"	12,000	81.47	76.06	76.06	76.06	76.06	76.06
1 1/2"	30,000	156.09	145.72	145.72	145.72	145.72	145.72
2"	75,000	324.85	303.27	303.27	303.27	303.27	303.27
3"	130,000	542.95	506.87	506.87	506.87	506.87	506.87
4"	270,000	1,066.55	995.66	995.66	995.66	995.66	995.66
6"	500,000	1,697.12	1,584.33	1,584.33	1,584.33	1,584.33	1,584.33
8"	600,000	1,987.15	1,855.06	1,855.06	1,855.06	1,855.06	1,855.06
10"	800,000	2,602.82	2,429.81	2,429.81	2,429.81	2,429.81	2,429.81
12"	1,000,000	3,394.26	3,168.65	3,168.65	3,168.65	3,168.65	3,168.65

In addition to the minimum charge, the following charges were applied to all water consumed.  
Water Usage Charge per 1,000 Gallons – Current and Historic

	Gallons/ Month	01/01/23	01/01/22	01/01/21	01/01/20	01/01/19	01/01/18
First	7,000	5.26	4.92	4.92	4.92	4.92	4.92
Next	250,000	3.16	2.95	2.95	2.95	2.95	2.95
All Over	257,000	2.16	2.02	2.02	2.02	2.02	2.02

Where two or more customers are supplied through one meter, the sum of \$16.26 per month shall be added as an Additional Consumer charge to the total calculated water bill for each customer (see below for Fee History).

<u>Year</u>	<u>Per Month</u>	<u>Per Quarter</u>
2023	\$16.26	\$48.78
2022	\$15.17	\$45.51
2021	\$15.17	\$45.51
2020	\$15.17	\$45.51
2019	\$15.17	\$45.51
2018	\$15.17	\$45.51

The affordability ratio goal of < 2.5% was met for 2023. Using the 2018 median household income of \$47,526 and an average quarterly bill of \$122, the MCMA affordability ratio was .09%.

**B. STATUS OF FUNDS**

The Trust Indenture actual balances of funds as of December 31, 2023 were as follows:

Fund	Balance December 31, 2023
2021 Debt Service Fund	1,278,251.58
Lewistown Borough Note Fund	85,962.05
2021 Construction Fund	6,299,929.76
2021 Bond Redemption & Improvement Fund	298,597.12
<b>Total</b>	<b>\$7,962,740.51</b>