

# Department of Municipal Utilities

April 13, 2023

# What We Do and Who We Serve

- Water Fund
- Sewer Fund
- Power Utility Fund

## Water Fund:

- Water Filtration
- Water Maintenance
- Water Billing (50%)



# Sewer Fund: Sewage Treatment, Sewer Maintenance, & 50% Water Billing



Power Utility Fund:  
Mill Street Hydro



North Division Street Hydro



# Water Fund Operating Budgets

	FY23	Proposed FY24	Percent Change
<b>Water Filtration</b>			
Operating Budget	\$1,629,132.83	\$1,772,323.00	8.8%
FTEs	9.0	9.0	
<b>Water Maintenance Dept</b>			
Operating Budget	\$1,101,232	\$1,137,350	7.5%
FTEs	7.0	7.0	
<b>Water Billing Dept</b>			
Operating Budget	\$208,491.25	\$214,127.00	2.7%
FTEs	2.0	2.0	
<b>Total Water Fund</b>	<b>\$2,751,913.77</b>	<b>\$2,969,755.00</b>	<b>7.9%</b>

# Changes in Services or Other Significant Changes

- Significant increase in chemicals and operating supplies, no changes in services proposed in the water fund budget for 2023.
- Fund is expected to operate at a minor loss this budget year.
  - Safe Water Infrastructure Action Program (SWAP) will help close any potential funding gap.
  - New Hybrid Rate model finalized, fund leveling expected in FY24-25

# Sewer Fund Operating Budgets

	FY23	Proposed FY24	Percent Change
<b>Sewage Treatment</b>			
Operating Budget	\$3,218,967.10	\$3,497,244.00	8.6%
FTEs	15.5	15.5	
<b>Sewer Maintenance Dept</b>			
Operating Budget	\$819,984.75	\$868,129.00	5.9%
FTEs	8.0	8.0	
<b>Total Sewer Fund</b>	<b>\$4,038,951.85</b>	<b>\$4,365,373.00</b>	<b>8.1%</b>



# Changes in Services or Other Significant Changes

- Operating Costs on the rise
  - Budgeted \$1,300,000 for Sludge Hauling.
  - All Chemicals more than doubled in cost from last year.
- In depth fee schedule review required this year.
- Rates study anticipated a \$300,000 deficit this year. Full recovery expected next year.

## SEWAGE TREATMENT FEES

FEE TYPES	RECOMMENDED FEE	FEE LAST YEAR
Holding Tank Sludge	\$67.00 /1000 gal.	\$62.50/1000 gal.
Marina Holding Tank Sludge	\$67.00 /1000 gal.	\$62.50/1000 gal.
Portable Toilet Water	\$67.00 /1000 gal.	\$62.50/1000 gal.
Septage	\$67.00 /1000 gal.	\$62.50/1000 gal.
Sewage Treatment Sludge	\$120.00 /1000 gal.	\$62.50/1000 gal.
Water Treatment Plant Residuals	\$67.00 /1000 gal.	\$62.50/1000 gal.
Wash Water	\$67.00 /1000 gal.	\$62.50/1000 gal.
Grease Trap	\$200.00 /1000 gal.	\$200.00/1000 gal.
Other Misc. Non-Industrial Waste	\$67.00 /1000 gal.	\$62.50/1000 gal.
Digester Sludge	\$120.00 /1000 gal.	\$80.00/1000 gal.
Landfill Leachate	\$67.00 /1000 gal.	\$62.50/1000 gal.
SIU Permit Initial Fee (3 yrs.)	\$1,000.00 1st yr.	
SIU Permit Renewal Fee	\$250.00 renewal	
SIU Permit Initial Fee (3 yrs.) (Outside City)	\$2,000.00 1st yr.	NEW
SIU Permit Renewal Fee (Outside City)	\$500.00 renewal	NEW
\$/# of TSS Over Limit	\$0.60	\$0.35
\$/# of BOD Over Limit	\$0.47	\$0.35
\$/# of P Over Limit	\$1.27	\$0.80
\$/# of O&G Over Limit	\$0.80	\$0.80
\$/# of TKN Over Limit	\$0.47	\$0.35
pH Exceedance Administrative Penalty	\$50.00	\$50.00

# Power Utility Fund Operating Budgets

	FY23	Proposed FY24	Percent Change
<b>Hydroelectric Facilities</b>			
Operating Budget	\$137,417.50	\$144,751.00	5.3%
FTEs	.5	.5	
<b>LFGE Facility</b>			
Operating Budget	\$5,000	\$5,000	0%
FTEs	0	0	

# Changes in Services or Other Significant Changes

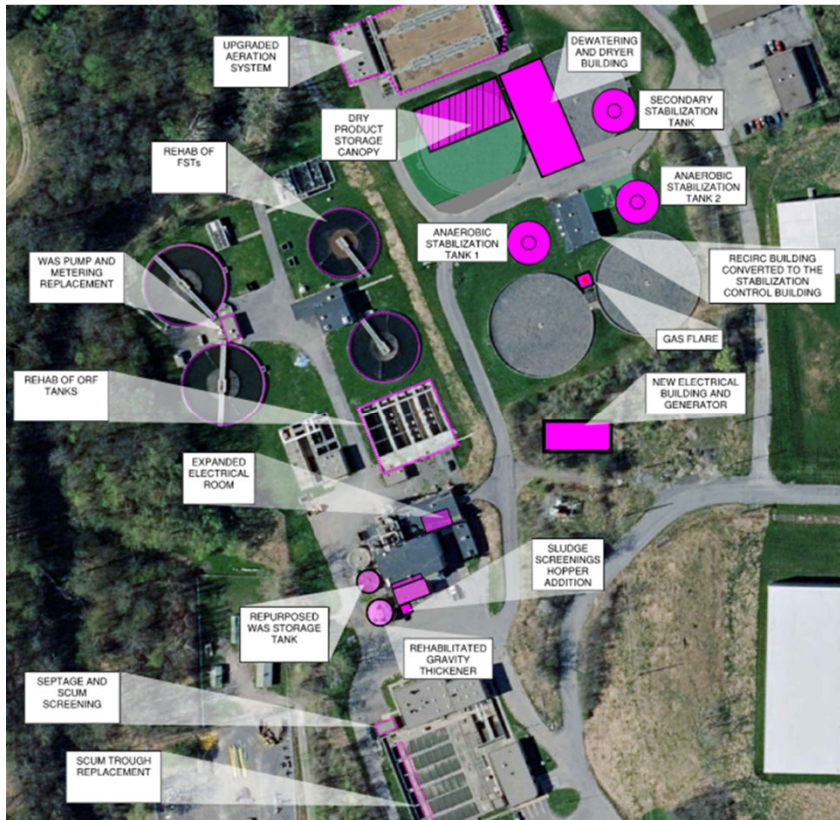
- Increase cost in electricity will result in more revenue in FY24.
  - Optimized flow control is creating more incremental power.
  - FERC Part 12D Safety Inspection of Mill Street Dam may require minor additional engineering assessments.
- No major changes to operating budget in FY24

# 2022-23 Highlight Goals

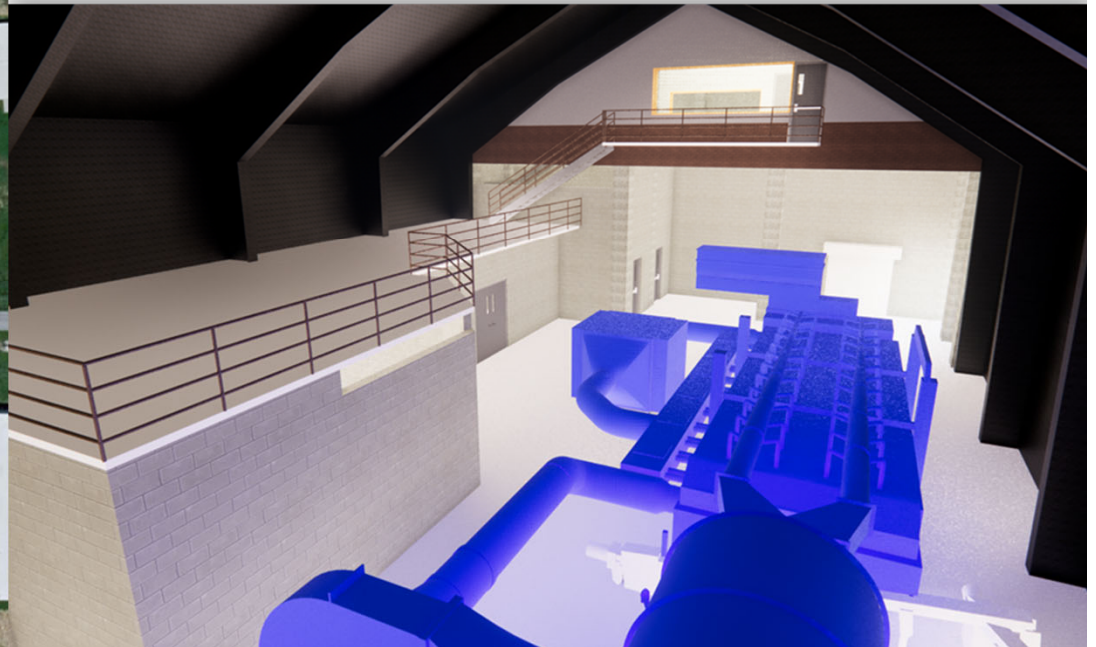
- Complete every special project identified in operating budget at or below budget for the fiscal year. ✓ ✗
- Operate Hydro Facilities at a profit to begin to repay General Fund/Decrease LFGEF Bond Obligation. ✗
- Be prepared for Harmful Algal Bloom Season and maintain 100% removal of Microcystin. ✓
- Complete Construction upgrades to the Slow Sand Plant. ✓
- Obtain grant and build out a DMU Asset inventory of all facilities to better manage maintenance and capital planning ✓ **Received a NYS Asset Management Grant for WWTP**
- Begin Construction of the Biosolids and WWTP Improvements Project. ✓
- Begin Sewer Manhole GIS Asset Inventory Project and Maintain Utility GIS Map ✓
- Obtain 100% Design for the CSO Upgrades Project and seek grant funding for construction. ✓
- Apply for and obtain Grant funding to complete a comprehensive Inflow and Infiltration (I&I) Study ✓ ✗
- Continue to apply for funding opportunities and align forces with the County for Watershed Improvement Projects ✓
- Continue to plan for and remain nimble allowing for swift reaction to aging infrastructure failures ✓
- Continue to implement a hydrant painting program ✗
- Install Storm Sewer and Sanitary Sewer Upgrades on Genesee Street (East Hill) ✓
- Support Staff in obtaining 4A Operator Certification and reduce dependency on 3<sup>rd</sup> party WWTP operators ✓

# Biosolids Upgrades Project

Overall Upgrades:

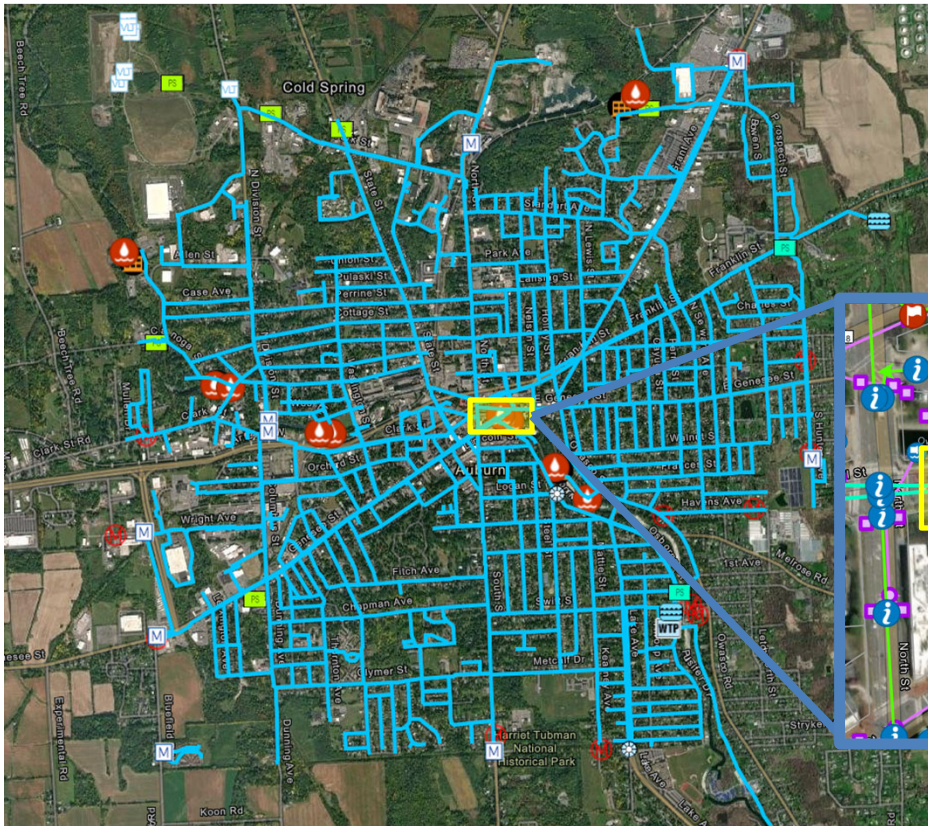


Biosolids Dryer Arrangement:

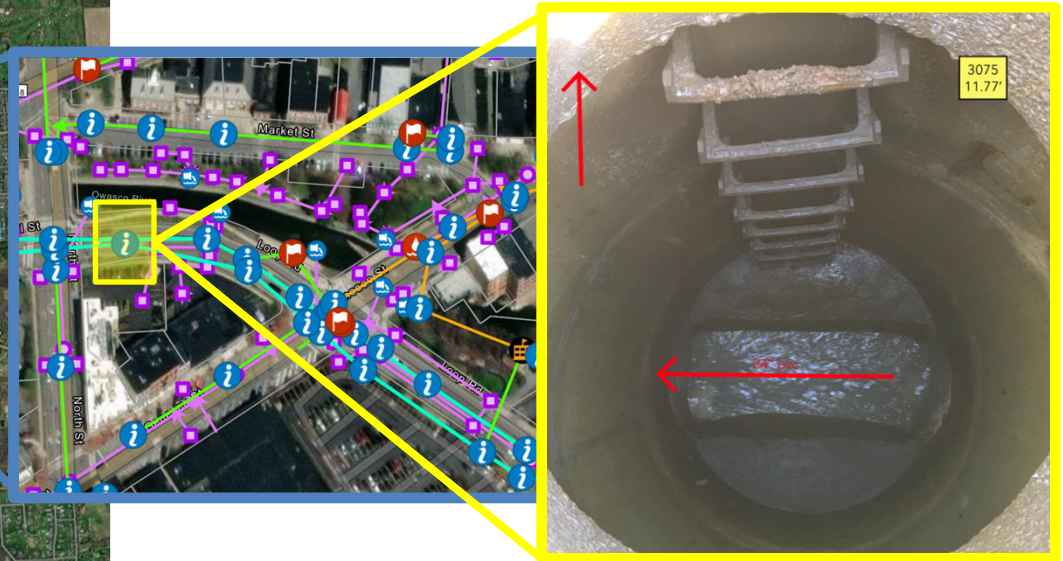


# Utility GIS Mapping

Complete Utility Map:



This winter, the Sewer Department, with the assistance of our GIS specialist, inspected and conducted a condition analysis of every sanitary sewer manhole.



# 2023-24 Highlight Goals

- Complete every special project identified in operating budget at or below budget for the fiscal year.
- Develop a team to begin centralizing and understanding flood prone areas within the City
- Be prepared for Harmful Algal Bloom Season and maintain 100% removal of Microcystin
- Complete the procurement and installation of a Chlorine Dioxide Zebra Mussel Control System to reduce DBP formation in the water distribution system.
- Complete Construction upgrades to the Slow Sand Plant and shift focus to the Rapid Sand Plant.
- Work with NYSDEC to complete the Sewer Asset Inventory Project (100% Grant Funded)
- Begin Construction of the Biosolids and WWTP Improvements Project
- Update the Biosolids and WWTP Improvements Engineering Report to include the ORF Upgrades and reapply for NYSEFC BIL (Bipartisan Infrastructure Law) Grant Funding.
- Complete Sewer Manhole GIS Asset Inventory Project and Maintain Utility GIS Map
- Obtain 100% Design for the CSO Upgrades Project and work to bid out project.
- Look for Grant funding to complete a comprehensive Inflow and Infiltration (I&I) Study
- Continue to apply for funding opportunities and work with partners for Watershed Improvement Projects –WSR&R, Implement the 9E Plan, and Finalize the City DWSP2 (Drinking Water Source Protection Plan
- Install new water main on Rochester Street, Briggs Drive, Old International Harvester, Brister Ave, and Pulsifer Drive
- Continue to implement a hydrant painting program and develop a Catch basin Cleaning BMP System.
- Slipline 4000 LF of sewer main to include Chase Street Sewer Main to York Street.
- Support Staff in obtaining 4A Operator Certification and reduce dependency on 3<sup>rd</sup> party WWTP operators