



**City of Geneva, New York  
2018 City Budget  
Utility Funds**



Kevin Munt/Allan Roloson/Mark Jones Foremen

## 2017 Performance Highlights

Expanded Modernization Program to Enhance Unmanned Plant Operations

Completed Construction of Replacement of Lochland Road Water Supply Main

Commenced with Expanded Lead evaluation effort for City water services



## Department Overview

The City of Geneva's fresh water is treated and distributed through the efforts of the Water Treatment Plant and the Water Maintenance Division.

The Water Treatment Plant is located on NY 14 south of the City and draws water from Seneca Lake. The plant utilizes microfiber technology to filter the water, then treats it with chlorine as a disinfectant and phosphorous to stem pipe corrosion. Fluoride is

added to support dental health.

The water is then pumped through City mains to a 5 million gallon reservoir, located just west of the City limits. This provides for treated water storage capacity and pressurization of the distribution system.

The distribution system consists of 82 miles of piping to over 4,000 customers, and provides services to 534 fire hydrants throughout the City.

In 2017, the Department completed a major reconstruction of the main distribution line from the Water Treatment Plant. This multimillion dollar project will ensure optimum pressurization for households, industries, and fire protection in the City.

The Department also conducted modernization efforts at the Treatment Plant to ensure for safe, reliable drinking water through unmanned operation.

## Did You Know?

The Water Treatment Plant Pumped Over 700 million Gallons of Water Through 82 Miles of Pipe in the City System.



## Triple Bottom Line Commitments



- **Economic:** Utilize networked controls assets to ensure that costs can be managed such that service is affordable.
- **Social:** Engage in high level of preventative maintenance to ensure safe, healthy product.
- **Environmental:** Engage in advanced treatment techniques to avoid unnecessary use of chemical treatment.

## Water Revenues

Revenue	2016 Actual	2017 Budget	2018 Request
Appropriated Fund Balance	\$ 119,992	\$ 236,971	\$ 149,013
Ratepayer Revenue	\$ 3,238,785	\$ 3,420,192	\$ 3,864,261
Interest and Penalties	\$ 41,630	\$ 95,000	\$ 60,000
Miscellaneous	\$ 17,072	\$ 40,000	\$ 30,000
Interest on Investments	\$ 1,621	\$ 1,500	\$ 1,600
<b>Total Revenues</b>	<b>\$ 3,419,099</b>	<b>\$ 3,793,663</b>	<b>\$ 4,104,874</b>

## Water Rate Table

Size of Meter in Inches (In)	Water Allowance in Gallons	Minimum Charge	Per Gallon Over Min.
5/8	4,000	\$29.07	\$0.00526
3/4	8,000	\$58.13	\$0.00542
1	15,000	\$109.00	\$0.00558
1.5	34,000	\$247.06	\$0.00575
2	60,000	\$435.98	\$0.00592
3	120,000	\$871.97	\$0.00610
4	184,000	\$1,337.01	\$0.00628
6	371,000	\$2,695.83	\$0.00647
8	634,000	\$4,606.88	\$0.00666

Size of Meter in Inches (Out)	Water Allowance in Gallons	Minimum Charge	Per Gallon Over Min.
5/8	4,000	\$41.21	\$0.00773
3/4	8,000	\$82.42	\$0.00797
1	15,000	\$154.53	\$0.00820
1.5	34,000	\$350.27	\$0.00845
2	60,000	\$618.12	\$0.00870
3	120,000	\$1,236.23	\$0.00897
4	184,000	\$1,895.56	\$0.00923
6	371,000	\$3,822.02	\$0.00951
8	634,000	\$6,531.43	\$0.00980

## Water Maintenance 8310

Budget Detail	2016 Actual	2017 Budget	2018 Request
1001 -Salary	\$ 471,598	\$ 484,557	\$ 492,283
1002 -Overtime	\$ 38,063	\$ 42,000	\$ 42,000
2029 -Equipment Purchases	\$ 78,147	\$ 87,000	\$ 87,000
4011 -Postage	\$ 9,438	\$ 10,000	\$ 10,000
4013 -Office Supplies	\$ 526	\$ 900	\$ 900
4014 -Conferences	\$ 426	\$ 500	\$ 500
4019 -Audit Fees	\$ 12,234	\$ 10,000	\$ 10,000
4020 -Materials & Supplies	\$ 6,670	\$ 7,000	\$ 5,900
4021 -Vehicle Costs	\$ 4,925	\$ 7,000	\$ 7,000
4025 -Street Repair/Maintenance	\$ 102,755	\$ 15,000	\$ 15,000
4030 -Utility Costs	\$ 229,181	\$ 255,000	\$ 225,000
4031 -Building Repair./Maintenance	\$ 4,856	\$ 6,500	\$ 6,500
4035 -Radio Maintenance	\$ 272	\$ 1,000	\$ 1,000
4045 -Training	\$ 195	\$ 500	\$ 500
4048 -Water Service Supplies	\$ 9,034	\$ 14,500	\$ 14,500
4049 -Meter Repairs	\$ 1,373	\$ 2,000	\$ 2,000
4050 -New Meters	\$ 4,971	\$ 6,500	\$ 6,500
4051 -Mains/Valves/Hydrants	\$ 33,432	\$ 35,000	\$ 35,000
4091 -Leak Detection Survey	\$ 9,800	\$ -	\$ -
4024 -Staff Clothing Allowance	\$ -	\$ -	\$ 1,600
<b>Total Direct Costs</b>	<b>\$ 1,017,895</b>	<b>\$ 984,957</b>	<b>\$ 963,183</b>

## Water Plant 8320

Budget Detail	2016 Actual	2017 Budget	2018 Request
1001 -Salary	\$ 289,779	\$ 302,370	\$ 307,581
1002 -Overtime	\$ 36,897	\$ 5,000	\$ 6,000
2029 -Equipment	\$ 25,000	\$ -	\$ -
4013 -Office Supplies	\$ 1,245	\$ 1,000	\$ 1,000
4018 -Computer Costs	\$ 4,987	\$ 5,000	\$ 16,400
4020 -Materials & Supplies	\$ 8,175	\$ 7,000	\$ 9,000
4021 -Vehicle Repair/Maintenance	\$ 937	\$ 1,000	\$ 1,000
4023 -Chemical Costs	\$ 30,701	\$ 33,000	\$ 33,000
4024 -Staff Clothing Reimbursement	\$ 1,800	\$ 1,400	\$ 1,500
4026 -Phosphate Costs	\$ 4,812	\$ 5,500	\$ 5,500
4031 -Building Repair./Maintenance	\$ 8,671	\$ 8,500	\$ 8,500
4032 -Lab Supplies/Testing	\$ 10,417	\$ 12,000	\$ 12,000
4033 -Town Sewer Charges	\$ 17,576	\$ 16,000	\$ 16,000
4035 -Equipment Maintenance	\$ 28,226	\$ 32,000	\$ 32,000
4045 -Training	\$ 3,645	\$ 4,500	\$ 4,500
4052 -Booster Station Costs	\$ 1,962	\$ 1,000	\$ 1,000
4053 -Taxes	\$ 145,101	\$ 130,000	\$ 145,000
4079 -Sand Filter	\$ 546	\$ 1,000	\$ 1,000
4085 -Bond Issue Costs	\$ 6,547	\$ 5,000	\$ -
4110 -Engineering Costs	\$ 9,714	\$ 10,000	\$ 10,000
<b>Total Direct Costs</b>	<b>\$ 636,739</b>	<b>\$ 586,270</b>	<b>\$ 610,981</b>

## Miscellaneous - Water Fund

Budget Detail	2016 Actual	2017 Budget	2018 Request
1640.4046 -Gas & Oil	\$ 32,110	\$ 45,000	\$ 35,000
1910.4007 - Insurance	\$ 32,717	\$ 33,743	\$ 34,249
9010.8071 -Employee Retirement	\$ 132,408	\$ 119,247	\$ 122,517
9030.8070 -Employee Social Security	\$ 61,043	\$ 60,200	\$ 61,190
9060.8072 -Employee Health Insurance	\$ 174,547	\$ 194,538	\$ 202,222
9060.8073 -Reitree Health Insurance	\$ 108,735	\$ 101,899	\$ 112,598
9901.9000 -Transfer to General Fund	\$ 408,774	\$ 379,638	\$ 409,896
Appropriation to Equipment Amortization	\$ -	\$ 100,000	\$ 150,000
Appropriation to Capital Programs	\$ -	\$ -	\$ -
<b>Total Direct Costs</b>	<b>\$ 950,335</b>	<b>\$ 1,034,265</b>	<b>\$ 1,127,673</b>

## Debt Service - Water Fund 9710

Budget Detail	2016 Actual	2017 Budget	2018 Request
0101 -Energy Efficiency Project	\$ 34,465	\$ 34,465	\$ 34,465
6080 -2011 Bond Principal	\$ 35,000	\$ 33,500	\$ 33,500
7080 -2011 Bond Interest	\$ 2,364	\$ 1,466	\$ 503
6084 -2000 Bond Principal	\$ 90,412	\$ 90,313	\$ 95,209
7084 -2000 Bond Interest	\$ 9,327	\$ 7,649	\$ 5,717
6085 -2010 Bond Principal	\$ 91,000	\$ 89,000	\$ 89,000
7085 -2010 Bond Interest	\$ 45,809	\$ 42,884	\$ 39,991
7086 -2010 Bond Interest			
7087 -2010 Bond Interest			
7088 -2010 Bond Interest			
7089 -2010 Bond Interest			
6086 -2010 Bond Principal	\$ 31,000	\$ 29,000	\$ 29,000
7086 -2010 Bond Interest	\$ 11,278	\$ 16,312	\$ 15,080
6014 -2004 Bond Principal	\$ 375,000	\$ 380,000	\$ 380,000
7014 -2004 Bond Interest	\$ 118,994	\$ 109,556	\$ 100,056
6050 -2005 Bond Principal	\$ 30,000	\$ 34,000	\$ 31,000
7050 -2005 Bond Interest	\$ 17,551	\$ 10,019	\$ 8,759
6060 -2007 Bond Principal	\$ 41,250	\$ 41,250	\$ 41,250
7060 -2007 Bond Interest	\$ 8,843	\$ 7,245	\$ 5,646
9730.6000 BAN Principal	\$ 33,750	\$ 159,667	\$ 283,412
9730.7000 BAN Interest	\$ 36,152	\$ 106,847	\$ 210,449
<b>Total Direct Costs</b>	<b>\$ 1,012,195</b>	<b>\$ 1,193,173</b>	<b>\$ 1,403,037</b>



*(This Page Intentionally Left Blank)*

Will Czaplak, Chief Operator/Charles Blowers, Foreman

## 2017 Performance Highlights

Facilitating EPA/DEC Authorization for Land Applicable Biosolid Distribution Made Possible Through ATAD Technology

Supported DEC Grant Application for Food Waste Reclamation Pilot Study Project

Executed Modernization Improvements to Multiple Plant Locations



## Did You Know?

The City's Wastewater Treatment system supports over 20,000 residents and businesses in the City and Town of Geneva, the Town of Seneca, and the Town of Waterloo.



## Department Overview

The City of Geneva's wastewater treatment program is supported by an extensive collection system and two 21<sup>st</sup> Century treatment plants.

The collection system consists of 82 miles of piping infrastructure for sanitary sewer collection and an additional 30 miles of lines dedicated to the collection and transfer of area stormwater.

The wastewater treatment system consists of two

treatment plants, utilizing cutting edge technology to support the stewardship of the Seneca Lake watershed.

The Marsh Creek Treatment Plant, located in the Geneva Industrial Park, utilizes Autothermophillic Aerobic Digestion (ATAD) to treat wastewater at ultra-high temperatures to reduce reliance on chemicals in the disinfection process. The plant is designed to process municipal and industrial

waste, with the end product being a land-applicable biosolid; to be used for soil restoration at regional farms.

The Gulvin Park Treatment Plant, located on Middle Street, utilizes limited chemicals to disinfect water when stormwater levels have the potential to overrun the primary plant.

The Marsh Creek ATAD project is the 2015 ACEC Civil Engineering Design award winner.

## Triple Bottom Line Commitments



- *Financial:* Utilize technology to drive down manpower and chemical costs associated with wastewater treatment.
- *Social:* Engage in preventative maintenance practices to ensure safe, reliable service with the lowest cost barrier.
- *Environmental:* Support development of a resource recovery program to enhance diversion efforts from regional landfills.



## Sewer Revenues

Revenue	2016 Actual	2017 Budget	2018 Request
Appropriated Fund Balance	\$ 307,388	\$ 415,828	\$ 54,870
Ratepayer Revenue	\$ 3,710,292	\$ 3,914,922	\$ 4,318,660
Contractual Revenue	\$ 694,811	\$ 653,787	\$ 680,863
Other Revenue	\$ 282,244	\$ 150,000	\$ 261,000
Interest on Investments	\$ 1,808	\$ 1,500	\$ 1,800
<b>Total Revenues</b>	<b>\$ 4,996,542</b>	<b>\$ 5,136,037</b>	<b>\$ 5,317,193</b>

## Sewer Rate Table

Size of Meter in Inches (In)	Water Allowance in Gallons	Minimum Charge	Per Gallon Over Min.
5/8	4,000	\$54.73	\$0.00912
3/4	8,000	\$109.46	\$0.00939
1	15,000	\$205.25	\$0.00967
1.5	34,000	\$465.22	\$0.00996
2	60,000	\$820.98	\$0.01026
3	120,000	\$1,641.96	\$0.01057
4	184,000	\$2,517.68	\$0.01089
6	371,000	\$5,076.40	\$0.01121
8	634,000	\$8,675.04	\$0.01155

Size of Meter in Inches (Out)	Water Allowance in Gallons	Minimum Charge	Per Gallon Over Min.
5/8	4,000	\$90.86	\$0.00950
3/4	8,000	\$181.71	\$0.00979
1	15,000	\$340.71	\$0.01008
1.5	34,000	\$772.27	\$0.01038
2	60,000	\$1,362.83	\$0.01069
3	120,000	\$2,725.66	\$0.01101
4	184,000	\$4,179.34	\$0.01134
6	371,000	\$8,426.83	\$0.01168
8	634,000	\$14,400.57	\$0.01204

## Sewer Maintenance 8110

<b>Budget Detail</b>	<b>2016 Actual</b>	<b>2017 Budget</b>	<b>2018 Request</b>
1001 -Salary	\$ 472,768	\$ 478,626	\$ 454,587
1002 -Overtime	\$ 6,914	\$ 8,000	\$ 8,000
1004 -Extra Help	\$ 3,285	\$ 6,000	\$ 23,000
2029 -Equipment	\$ 60,185	\$ 66,000	\$ 66,000
4020 -Materials & Supplies	\$ 6,445	\$ 13,000	\$ 11,000
4021 -Vehicle Repair/Maintenance	\$ 5,725	\$ 8,500	\$ 8,500
4025 -Street Repair/Maintenance	\$ 9,141	\$ 12,000	\$ 12,000
4031 -Building Repair./Maintenance	\$ 4,938	\$ 6,500	\$ 6,500
4035 -General Maintenance	\$ 9,070	\$ 5,000	\$ 5,000
4036 -Catch Basin Repair/Maintenance	\$ 14,579	\$ 14,000	\$ 14,000
4038 -Sewer Repairs	\$ 26,007	\$ 9,000	\$ 9,000
4041 -Rights of Way	\$ 627	\$ 900	\$ 900
4045 -Training	\$ 86	\$ 600	\$ 600
4143 -Preventative Maintenance	\$ 525	\$ 2,500	\$ 2,500
4024 - Staff Clothing Allowance	\$ -	\$ -	\$ 2,000
<b>Total Direct Costs</b>	<b>\$ 620,296</b>	<b>\$ 630,626</b>	<b>\$ 623,587</b>

## Wastewater Treatment Plant 8130

<b>Budget Detail</b>	<b>2016 Actual</b>	<b>2017 Budget</b>	<b>2018 Request</b>
1001 -Salary	\$ 487,287	\$ 620,665	\$ 596,229
1002 -Overtime	\$ 34,507	\$ 10,000	\$ 10,000
1004 -Extra Help	\$ 7,256	\$ 12,000	\$ 12,000
2029 -Equipment	\$ 71,368	\$ 110,000	\$ 110,000
4010 -Telephone	\$ -	\$ 2,000	\$ -
4011 -Postage	\$ 9,790	\$ 10,000	\$ 10,000
4013 -Office Supplies	\$ 269	\$ 1,500	\$ 1,500
4014 -Conferences	\$ -	\$ 3,000	\$ 3,000
4018 -Computer Costs	\$ 3,059	\$ 3,000	\$ 14,880
4019 -Audit Fees	\$ 12,234	\$ 9,000	\$ 9,000
4020 -Materials & Supplies	\$ 20,084	\$ 30,000	\$ 28,000
4021 -Vehicle Repair/Maintenance	\$ 4,321	\$ 7,000	\$ 5,000
4023 -Chemical Costs	\$ 95,713	\$ 90,000	\$ 95,000
4024 -Staff Clothing Reimbursement	\$ 3,564	\$ 3,100	\$ 3,750
4026 -Phosphate Costs	\$ 76,990	\$ 80,000	\$ 80,000
4027 -Sludge Handling	\$ 126,300	\$ 90,000	\$ 90,000
4030 -Utility Costs	\$ 332,976	\$ 350,000	\$ 330,000
4031 -Building Repair/Maintenance	\$ 16,424	\$ 19,000	\$ 17,000
4032 -Lab Supplies	\$ 8,458	\$ 10,000	\$ 10,000
4035 -Equipment Maintenance	\$ 34,294	\$ 50,000	\$ 50,000
4039 -NYS Fees	\$ 16,156	\$ 17,500	\$ 17,500
4040 -Sample Costs	\$ 58,785	\$ 60,000	\$ 60,000
4045 -Training	\$ 4,681	\$ 5,000	\$ 5,000
4085 -Bond Issue Costs	\$ 6,637	\$ 5,000	\$ -
<b>Total Direct Costs</b>	<b>\$ 1,431,156</b>	<b>\$ 1,597,765</b>	<b>\$ 1,557,859</b>

## Miscellaneous - Sewer Fund

Budget Detail	2016 Actual	2017 Budget	2018 Request
1640.4046 -Gas & Oil	\$ 36,134	\$ 65,000	\$ 40,000
1910.4007 -Insurance	\$ 71,401	\$ 74,345	\$ 75,460
9010.8071 -Employee Retirement	\$ 166,277	\$ 157,347	\$ 161,141
9030.8070 -Employee Social Security	\$ 75,545	\$ 75,681	\$ 80,387
9060.8072 -Employee Health Insurance	\$ 204,861	\$ 187,111	\$ 188,236
9060.8073 -Retiree Health Insurance	\$ 34,184	\$ 39,858	\$ 44,043
9901.9000 -Transfer to General Fund	\$ 455,586	\$ 349,642	\$ 376,037
Appropriations to Equipment Amortization	\$ -	\$ 100,000	\$ 150,000
Appropriations to Capital Program	\$ -	\$ -	\$ -
<b>Total Direct Costs</b>	<b>\$ 1,043,987</b>	<b>\$ 1,048,984</b>	<b>\$ 1,115,305</b>

## Debt Service - Sewer Fund 9710

Budget Detail	2016 Actual	2017 Budget	2018 Request
0101 -Energy Efficiency Project	\$ 11,190	\$ 11,190	\$ 11,190
9785.6000 -Installment Purchases Principal	\$ 41,267	\$ 42,225	\$ 70,627
9785.6000 -Installment Purchase Interest	\$ 3,965	\$ 3,007	\$ 6,538
6080 -1999 Bond Principal	\$ 86,500	\$ 86,500	\$ 86,500
7080 -1999 Bond Interest	\$ 6,055	\$ 3,784	\$ 1,298
6087 -2014 Bond Principal	\$ 20,000	\$ 21,000	\$ 21,000
7087 -2014 Bond Interest	\$ 10,286	\$ 9,425	\$ 8,533
6014 -2004 Bond Principal	\$ 200,000	\$ 200,000	\$ 205,000
7014 -2004 Bond Interest	\$ 217,338	\$ 212,338	\$ 207,275
6050 -2005 Bond Principal	\$ 39,000	\$ 39,000	\$ 44,000
7050 -2005 Bond Interest	\$ 14,874	\$ 13,363	\$ 11,755
6060 -2007 Bond Principal	\$ 45,000	\$ 55,000	\$ 55,000
7060 -2007 Bond Interest	\$ 11,597	\$ 9,659	\$ 7,528
6091 -2008 Bond Principal	\$ 455,552	\$ 455,552	\$ 455,552
7091 -2008 Bond Interest			
6081 -2011 Bond Principal	\$ 85,000	\$ 85,000	\$ 85,000
7081 -2011 Bond Interest	\$ 31,663	\$ 28,475	\$ 25,288
6085 -2010 Bond Principal	\$ 185,000	\$ 190,000	\$ 200,000
7085 -2010 Bond Interest	\$ 94,059	\$ 87,965	\$ 81,628
9730.6000 BAN Principal	\$ 161,250	\$ 229,669	\$ 243,355
9730.7000 BAN Interest	\$ 52,503	\$ 75,510	\$ 193,376
<b>Total Direct Costs</b>	<b>\$ 1,772,098</b>	<b>\$ 1,858,662</b>	<b>\$ 2,020,442</b>

# WORKERS' COMPENSATION FUND

---

<i>Revenues</i>	2017	2018
Property Tax Levy	\$ 246,923	\$ 275,909
Total		
<i>Expenditures</i>		
Workers' Compensation Insurance	\$ 246,923	\$ 275,909
Total	\$ 246,923	\$ 275,909
Rate	\$0.623/\$1,000	\$0.689/\$1,000