



Town of Niskayuna

Informational discussion about
Water and Sewer Rate updates



Budgeted vs. Actual Revenue

	Water	Sewer 1 (to City)	Sewer 6 (Nisky)
2022	-\$245,047.82	\$78,986.41	-\$229,959.79
2021	-\$244,556.40	\$6,617.66	-\$215,337.24
2020	-\$76,610.71	-\$49,942.44	-\$385,562.03
2019	-\$1,600.14	\$171,936.07	\$380,627.21
2018	-\$577,538.92	\$36,607.49	-\$267,185.52

Water 1 and Sewer 6 have not been bringing in the amount of revenue anticipated in the budgeting process, whereas Sewer 1 has been generally over collecting.

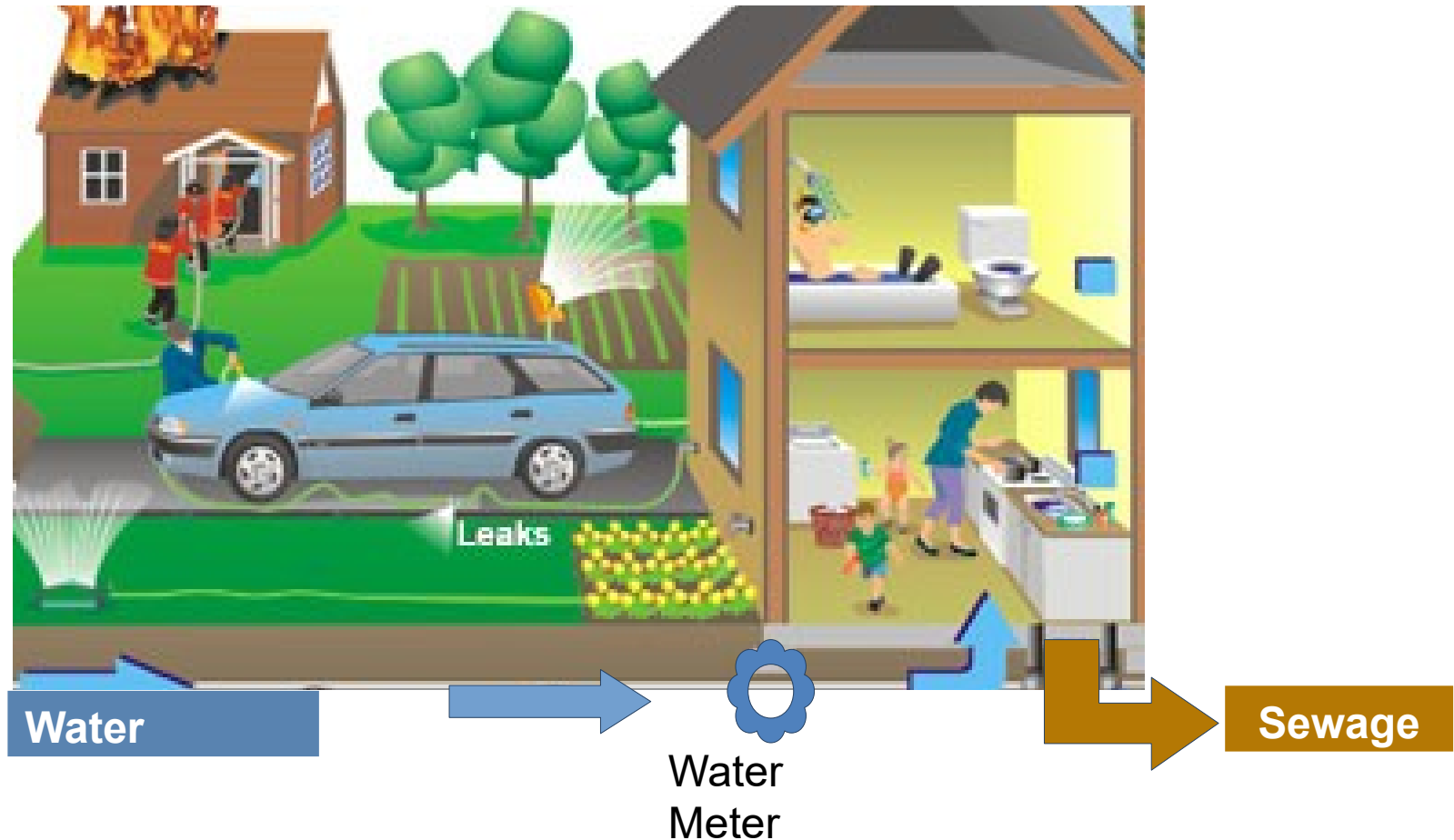


Calculation Process

- Determine number and type of users
- Determine overall systems throughput
- Determine cost to run each system
- Calculate cost per user type
- Calculate the number of units per user type
- Account for weather based usage fluctuations
- Stay within constraints of systems
- Harmonize results with billing software



Minimum usage





New Rates for 2023 usage

System	Residential Base (6 month cycle)	Commercial Base (6 month cycle)	Minimum Usage (6 month cycle)	Rate per 1000 gal used over minimum
Water	\$78.00	\$312.00	9,490 gallons	\$4.40
Sewer 1 (to City)	\$155.00	\$620.00	14,235 gallons	\$4.53
Sewer 6 (Nisky)	\$79.00	\$316.00	14,235 gallons	\$3.55

For Water:

These base rates were set using an assumption of a 52 gallon per day minimum water usage. This results in a base usage amount of 9,490 gallons of water per 6 month period. Above that usage the \$4.40 per 1000 gallons is applied.

For Sewer:

The sewer base was set as 1.5 times the base amount of water used at 14,235 gallons per 6 month period. This is to allow for water usage that does not go into the sewer system - lawn watering, car washing, pool filling etc. Above 14,235 gallons the corresponding rate of \$4.53 per 1000 gallons for Sewer 1, and \$3.55 per 1000 gallons for Sewer 6 is applied



Benefits

Equity – paying for water and sewer treatment that is actually used

Conservation – water is a valuable resource that needs to be conserved

Useful link to calculate your household water usage:

<https://www.swfwmd.state.fl.us/conservation/water-use-calculator>



Utility Bill (based on 6 month usage)

System Usage	52 gallons per day	100 gallons per day	250 gallons per day
Water	\$78.00	\$116.54	\$236.99
Sewer 1	\$155.00	\$173.74	\$297.74
Sewer 6	\$79.00	\$93.68	\$190.86



Local Water Cost Comparison

Projected rates for 2023						
Municipality	Minimum charge	Periodicity	Rate per 1000 gal	Minimum Amount	Minimum yearly cost	Notes
Niskayuna	\$ 78.00	bi-annual	\$ 4.40	9490	\$ 156.00	
Albany	\$ 38.72	quarterly	\$ 3.96	none	\$ 179.59	*2022 rates; usage set at 9490 to match Niskayuna
Colonie	\$ 85.00	bi-annual	\$ 4.40	20,000	\$ 170.00	
Clifton Park	\$ 17.25	quarterly	\$ 4.40	none	\$ 96.46	*2022 minimum, 2023 rate; usage set at 9490 to match Niskayuna
Troy		quarterly	\$ 4.03			
Queensbury	\$ 35.00	quarterly	\$ 2.40	8000	\$ 143.58	*2022 rates; usage set at 9490 to match Niskayuna
Schenectady, City	\$ 215.76	quarterly			\$863.04	* Not metered
Schenectady, City	\$ 313.31	quarterly			\$1,253.24	Sewer fee

Note: This comparison is for the water utility bills only. It does not include debt service as that is unique to each municipality.

Note: City of Schenectady Sewer cost is included as reference point to Sewer 1.



Projected Impact on Residents

Assuming Minimum Use

	Amount on	Amount on		Annual System	
2022	Tax bill	Utility bill Spring	Utility bill Fall	Cost Total	
Water	\$118.38	\$30.00	\$30.00	\$178.38	
Sewer 1	\$402.97	n/a	n/a	\$402.97	
Sewer 6	\$244.44	\$64.47	\$64.47	\$373.38	
	Capital Debt	Operations and Maintenance		Annual System	2022 to 2023
2023	Tax bill	Utility bill Spring	Utility bill Fall	Cost Total	Difference
Water	\$86.05	\$30.00	\$30.00	\$146.05	-\$32.33
Sewer 1	\$76.08	n/a	\$155.00	\$231.08	-\$171.89
Sewer 6	\$249.58	\$64.47	\$64.47	\$378.52	\$5.14

Note: The 2023 bills reflect the 2022 usage at the previous year's rate. In 2024, both Spring and Fall utility bills will reflect the new minimums and rates.



Projected Impact on Residents

Assuming Minimum Use

	Capital Debt	Operations and Maintenance		Annual System	2022 to 2023
2023	Tax bill	Utility bill Spring	Utility bill Fall	Cost Total	Difference
Water	\$86.05	\$30.00	\$30.00	\$146.05	-\$32.33
Sewer 1	\$76.08	n/a	\$155.00	\$231.08	-\$171.89
Sewer 6	\$249.58	\$64.47	\$64.47	\$378.52	\$5.14
	Capital Debt	Operations and Maintenance		Annual System	2022 to 2024
2024	Tax bill	Utility bill Spring	Utility bill Fall	Cost Total	Difference
Water	\$85.57	\$78.00	\$78.00	\$241.57	\$63.19
Sewer 1	\$74.78	\$155.00	\$155.00	\$384.78	-\$18.19
Sewer 6	\$269.35	\$79.00	\$79.00	\$427.35	\$53.97

Note: In 2024 both Spring and Fall utility bills will reflect the new minimum usage and rates.