



## City of Norwich Benchmarking—Advanced Reporting

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### Overview

The City of Norwich adopted a benchmarking policy as part of the Clean Energy Communities program with Resolution No. 27 of 2022. Benchmarking requires reporting of the energy used in municipal buildings on an annual basis. The City of Norwich exceeded the baseline requirement of the Benchmarking High Impact Action and completed the Advanced Reporting option that requires two or more years of energy reporting entered in the Energy Star Portfolio Manager software to track the usage. A metrics summary and an energy plot detail the Energy Star score, intensity of greenhouse gas emissions, and consumption of electricity and natural gas for each of the eight municipal buildings listed in Table 1.

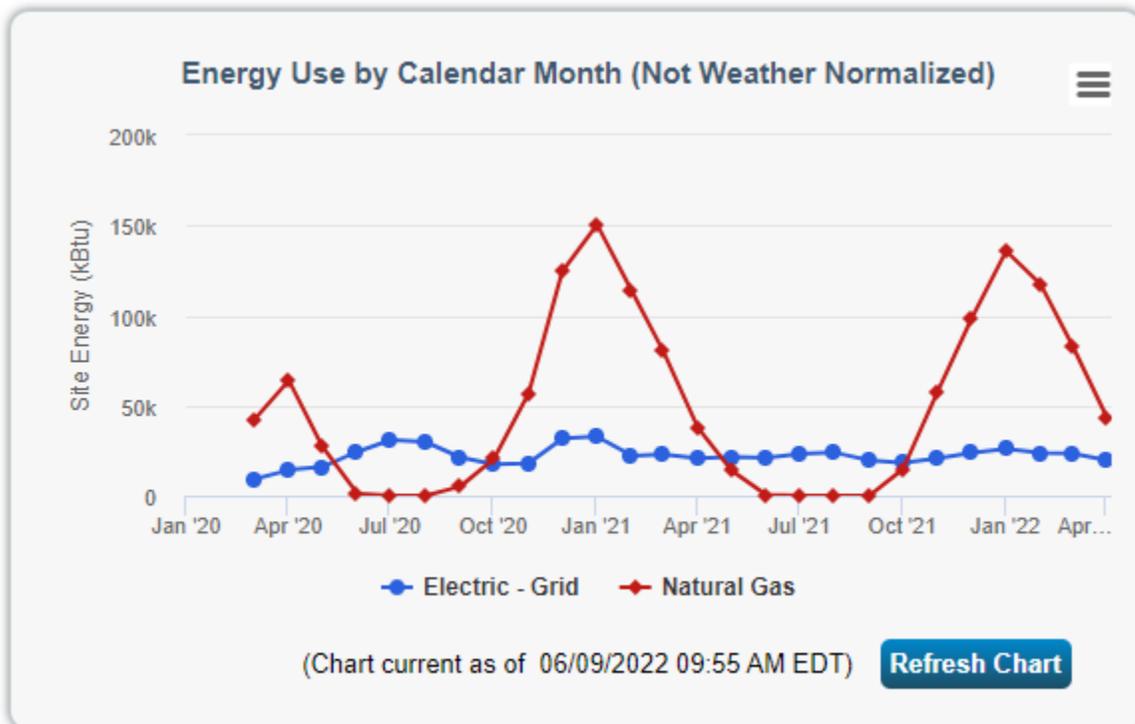
Benchmarking provides the city with comparison data on all municipal buildings. This information will assist the city with reducing energy consumption and waste, making data driven, energy efficient improvements, and advances the city in the NYSERDA Clean Energy Communities program.

**Table 1: Municipal properties shared with NYSERDA**

Building	Address	Gross Floor Area (ft <sup>2</sup> )
City Court	1 Court Plaza	5,428
City Hall	1 City Plaza	5,205
Department of Public Works	64-68 Hale Street	16,532
Fire Department	31 East Main Street	33,644
Old Wastewater Treatment Plant	Hale Street Extension	2,820
Police Department	18 East Main Street	5,614
Reservoir Filter Plant	5108 State Highway 23	4,680
Wastewater Treatment Plant	129 Portelli Drive	7,258

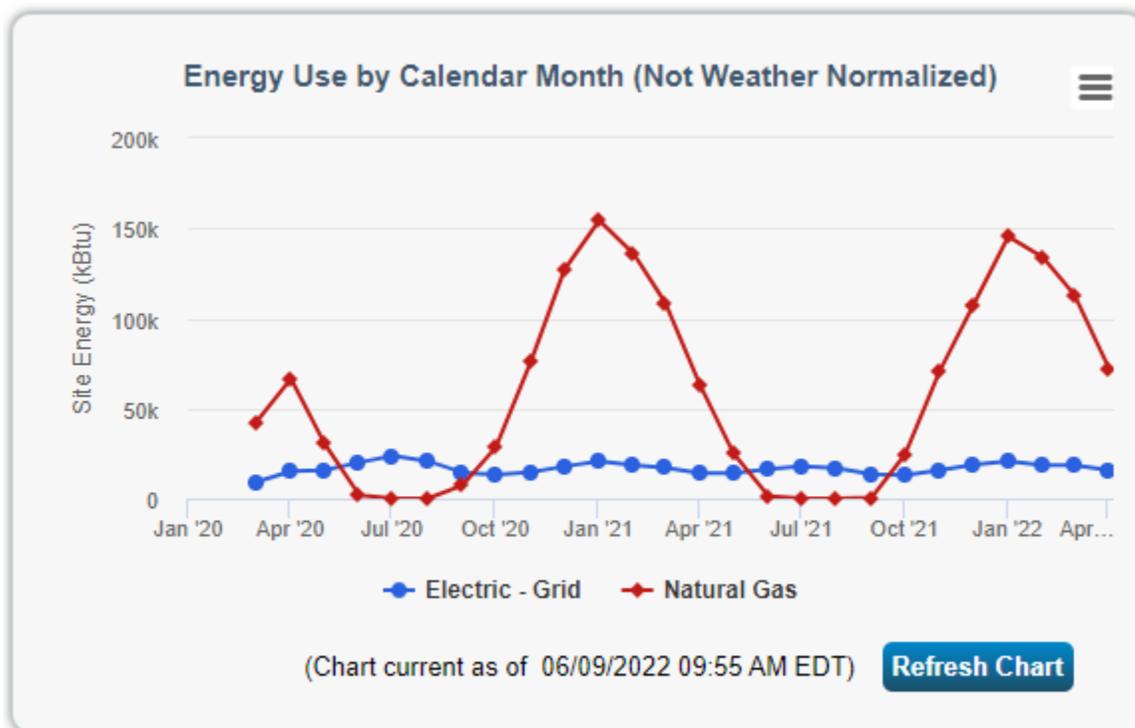
Norwich City Court

Metrics Summary			
Metric	Mar 2021 (Energy Baseline)	Apr 2022 (Energy Current)	Change
ENERGY STAR Score (1-100)	3	5	2.00 (66.70%)
Source EUI (kBtu/ft <sup>2</sup> )	279.0	254.4	-24.60 (-8.80%)
Site EUI (kBtu/ft <sup>2</sup> )	176.3	158.1	-18.20 (-10.30%)
Energy Cost (\$)	7,162.12	7,290.71	128.59 (1.80%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	8.2	7.3	-0.90 (-11.00%)
Water Use (All Water Sources) (kgal)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Total Waste (Disposed and Diverted) (Tons)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A



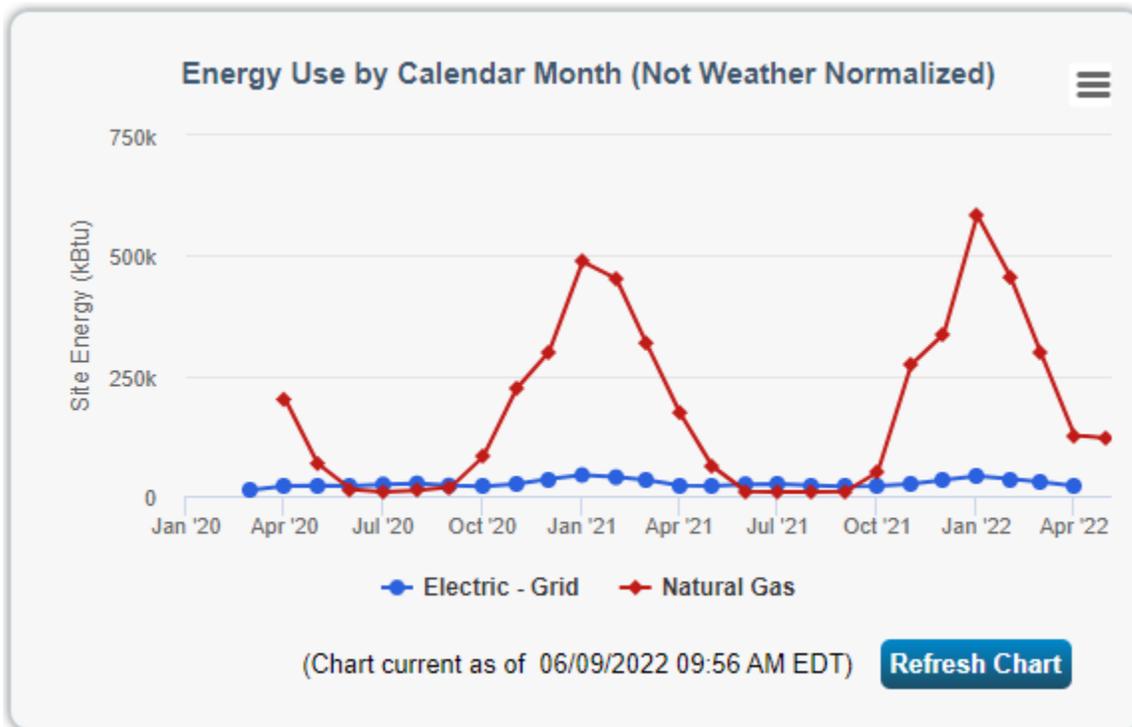
## Norwich City Hall

Metrics Summary			
Metric 	Mar 2021 (Energy Baseline) 	Apr 2022 (Energy Current) 	Change 
ENERGY STAR Score (1-100)	8	10	2.00 (25.00%)
Source EUI (kBtu/ft <sup>2</sup> )	262.6	247.6	-15.00 (-5.70%)
Site EUI (kBtu/ft <sup>2</sup> )	182.2	171.8	-10.40 (-5.70%)
Energy Cost (\$)	6,762.58	6,848.63	86.05 (1.30%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	8.8	8.3	-0.50 (-5.70%)
Water Use (All Water Sources) (kgal)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Total Waste (Disposed and Diverted) (Tons)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A



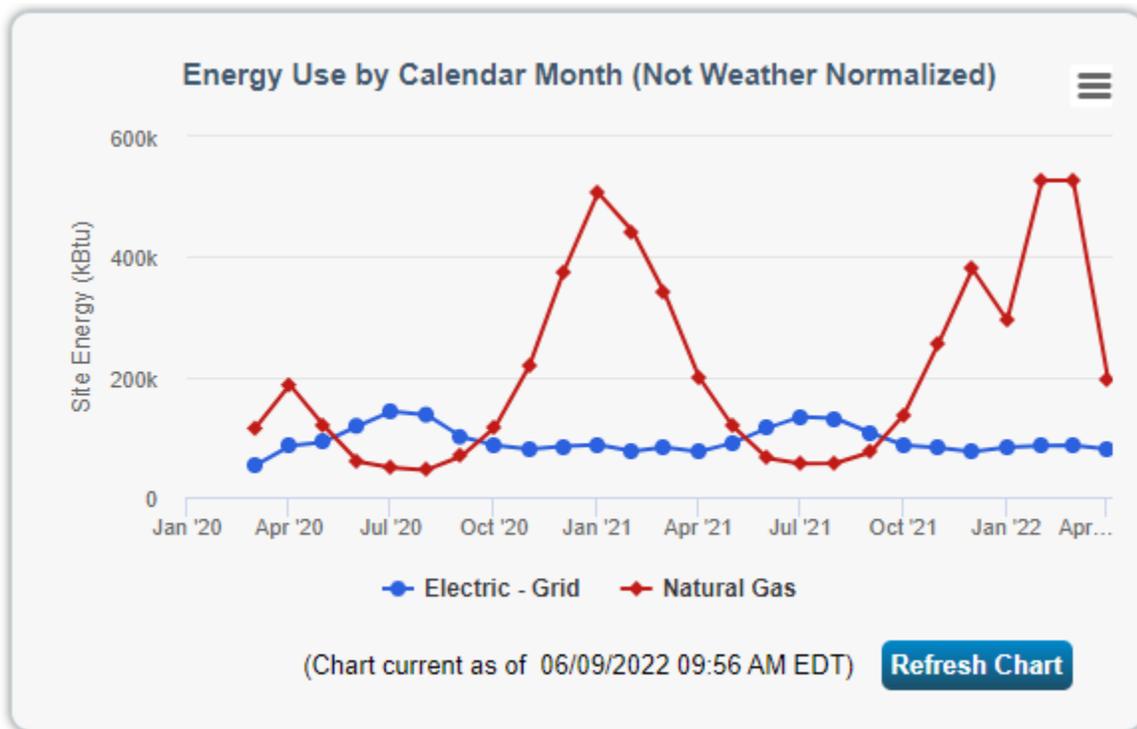
Norwich Department of Public Works

Metrics Summary			
Metric	Mar 2021 (Energy Baseline)	Apr 2022 (Energy Current)	Change
ENERGY STAR Score (1-100)	Not Available	Not Available	N/A
Source EUI (kBtu/ft <sup>2</sup> )	194.4	194.3	-0.10 (-0.10%)
Site EUI (kBtu/ft <sup>2</sup> )	151.9	153.2	1.30 (0.90%)
Energy Cost (\$)	14,911.06	14,643.73	-267.33 (-1.80%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	7.6	7.7	0.10 (1.30%)
Water Use (All Water Sources) (kgal)	Not Available	Not Available	N/A
Total Waste (Disposed and Diverted) (Tons)	Not Available	Not Available	N/A



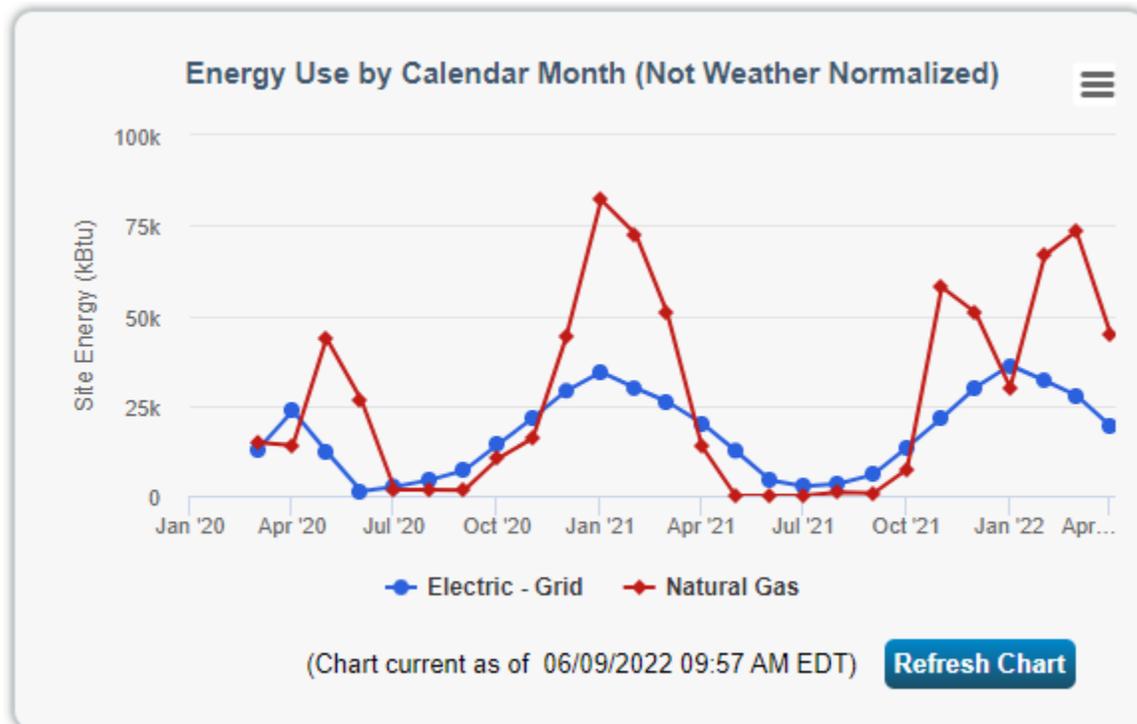
## Norwich Fire Department

Metrics Summary			
Metric 	Mar 2021 (Energy Baseline) 	Apr 2022 (Energy Current) 	Change 
ENERGY STAR Score (1-100)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Source EUI (kBtu/ft <sup>2</sup> )	176.3	179.9	3.60 (2.00%)
Site EUI (kBtu/ft <sup>2</sup> )	109.9	114.2	4.30 (3.90%)
Energy Cost (\$)	24,843.26	25,734.73	891.47 (3.60%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	5.1	5.3	0.20 (3.90%)
Water Use (All Water Sources) (kgal)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Total Waste (Disposed and Diverted) (Tons)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A



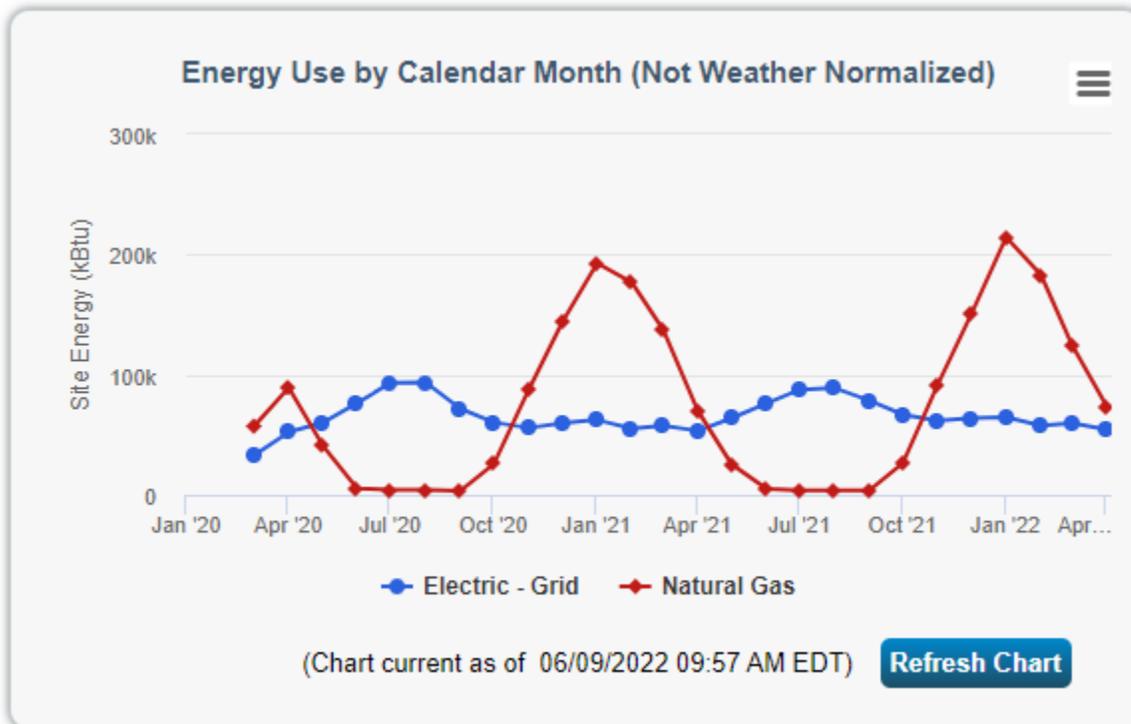
## Norwich Old Wastewater Treatment Plant

Metrics Summary			
Metric	Mar 2021 (Energy Baseline)	Apr 2022 (Energy Current)	Change
ENERGY STAR Score (1-100)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Source EUI (kBtu/ft <sup>2</sup> )	340.5	331.1	-9.40 (-2.80%)
Site EUI (kBtu/ft <sup>2</sup> )	202.4	191.9	-10.50 (-5.20%)
Energy Cost (\$)	4,481.13	4,579.35	98.22 (2.20%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	9.1	8.6	-0.50 (-5.50%)
Water Use (All Water Sources) (kgal)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Total Waste (Disposed and Diverted) (Tons)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A



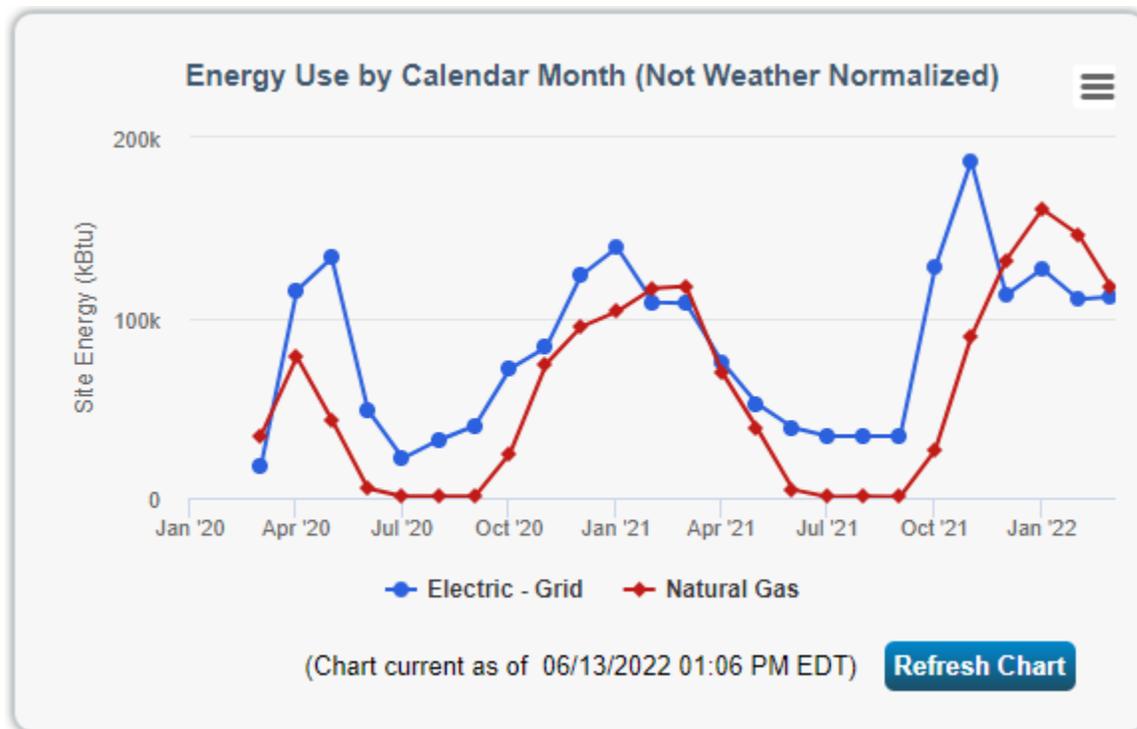
Norwich Police Department

Metrics Summary			
Metric	Mar 2021 (Energy Baseline)	Apr 2022 (Energy Current)	Change
ENERGY STAR Score (1-100)	Not Available	Not Available	N/A
Source EUI (kBtu/ft <sup>2</sup> )	568.5	580.0	11.50 (2.00%)
Site EUI (kBtu/ft <sup>2</sup> )	304.5	307.9	3.40 (1.10%)
Energy Cost (\$)	13,404.69	14,089.44	684.75 (5.10%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	13.0	13.1	0.10 (0.80%)
Water Use (All Water Sources) (kgal)	Not Available	Not Available	N/A
Total Waste (Disposed and Diverted) (Tons)	Not Available	Not Available	N/A



## Norwich Reservoir Filter Plant

Metrics Summary			
Metric	Mar 2021 (Energy Baseline)	Mar 2022 (Energy Current)	Change
ENERGY STAR Score (1-100)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Source EUI (kBtu/ft <sup>2</sup> )	761.6	812.8	51.20 (6.70%)
Site EUI (kBtu/ft <sup>2</sup> )	360.2	395.3	35.10 (9.70%)
Energy Cost (\$)	27,022.54	29,993.52	2970.98 (11.00%)
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	14.3	16.0	1.70 (11.90%)
Water Use (All Water Sources) (kgal)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Total Waste (Disposed and Diverted) (Tons)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A



## Norwich Wastewater Treatment Plant

Metrics Summary			
Metric	Mar 2021 (Energy Baseline)	Mar 2022 (Energy Current)	Change
ENERGY STAR Score (1-100)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Source EUI (kBtu/ft <sup>2</sup> )	3,901.9	3,744.1	-157.80 (-4.00%)
Site EUI (kBtu/ft <sup>2</sup> )	1,752.4	1,683.5	-68.90 (-3.90%)
Energy Cost (\$)	<a href="#">Not Available</a>	104,630.06	N/A
Total GHG Emissions Intensity (kgCO <sub>2</sub> e/ft <sup>2</sup> )	67.0	64.4	-2.60 (-3.90%)
Water Use (All Water Sources) (kgal)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A
Total Waste (Disposed and Diverted) (Tons)	<a href="#">Not Available</a>	<a href="#">Not Available</a>	N/A

