

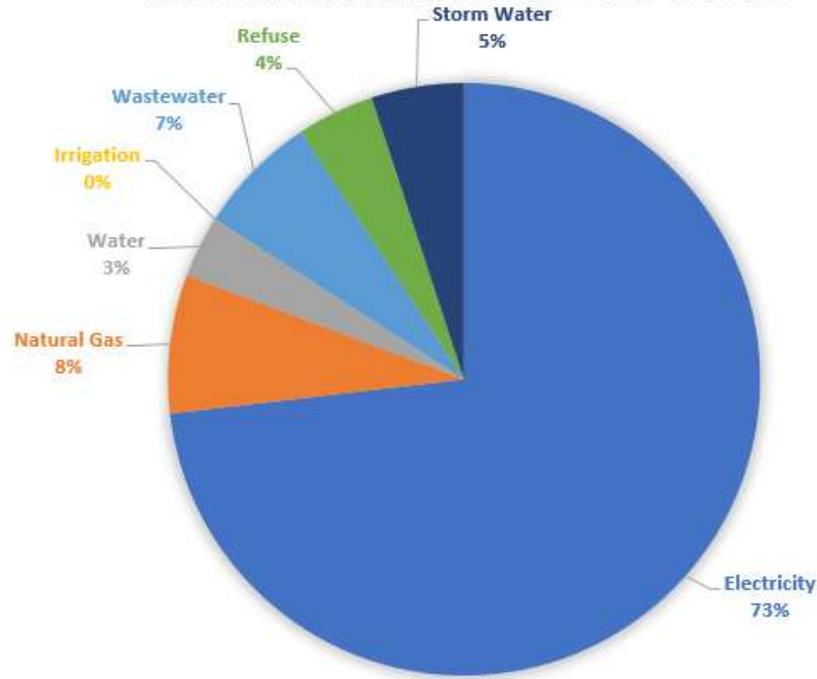
2023 CY Energy Report

January 2023 – December 2023

By Kim Melander, Senior Energy Services Manager

Date: April 10, 2024

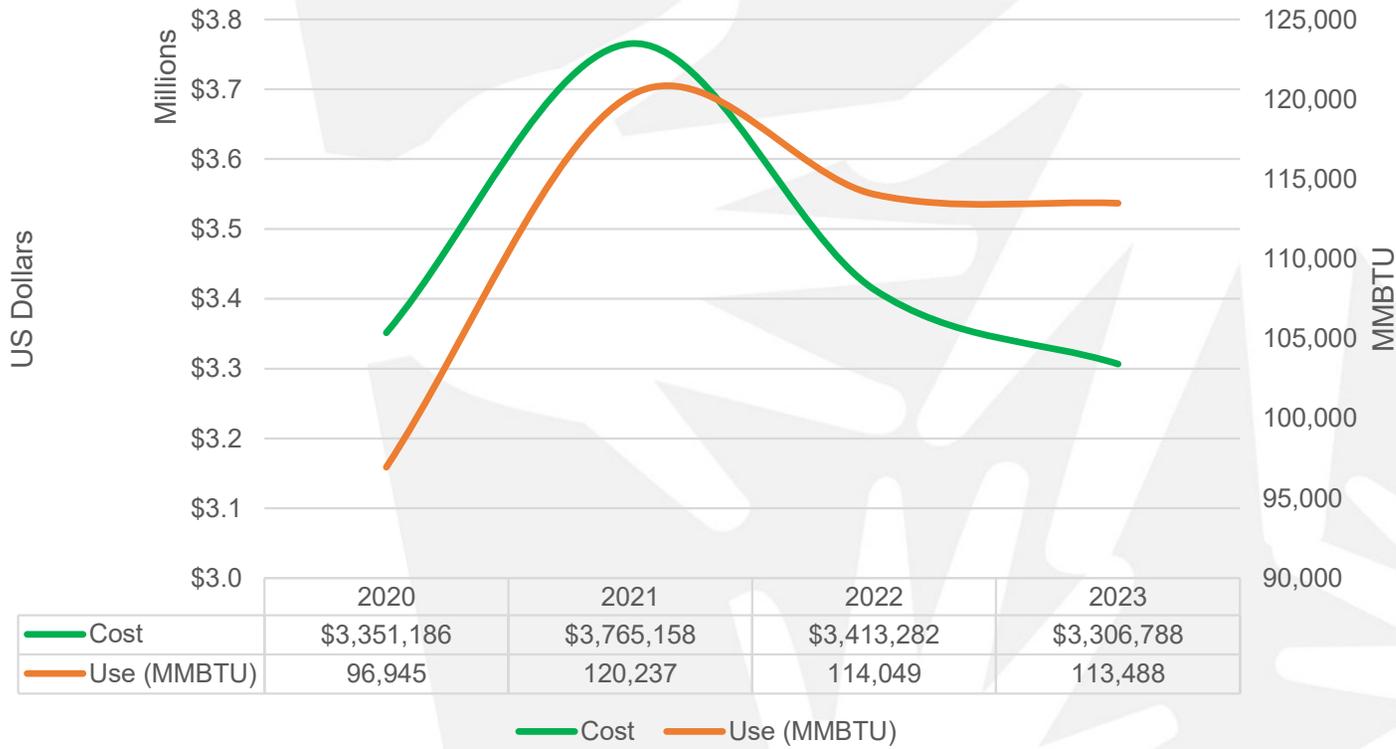
RHSD CALENDAR YEAR 2023 UTILITY COSTS



All Facilities
01/2023 – 12/2023

Electricity	Natural Gas	Water	Irrigation	Wastewater	Refuse	Storm Water	Total Cost
\$2,997,252	\$309,536	\$137,553	\$781	\$272,318	\$172,993	\$207,071	\$4,097,505

RHSD Total Energy Use and Cost (Calander Year)

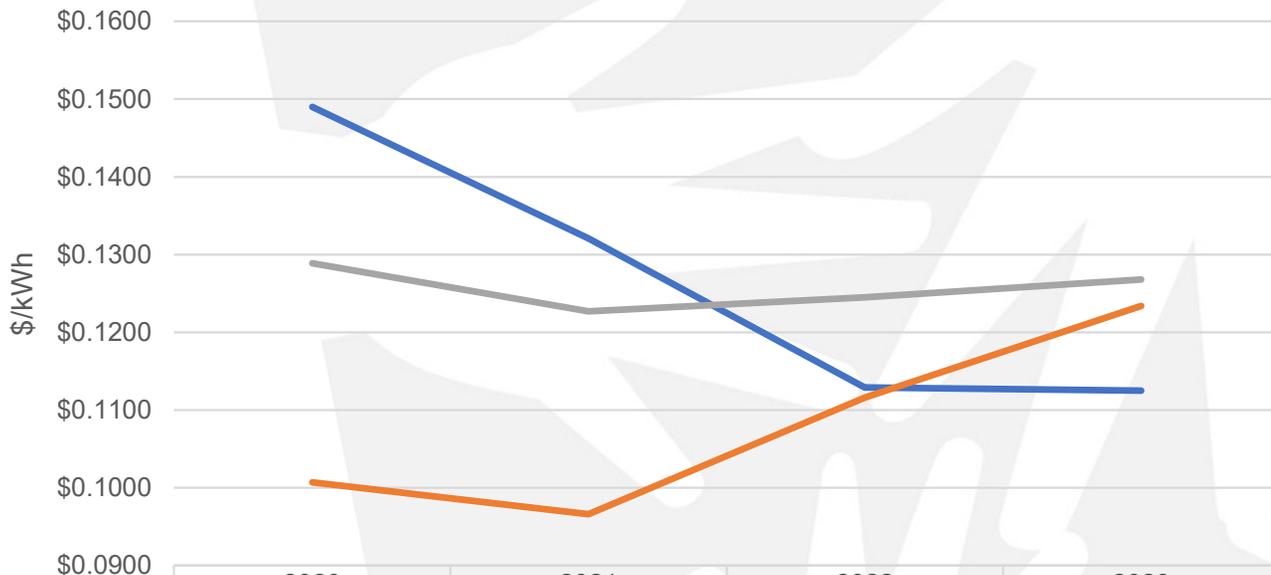


Our total energy usage for the 2023 Calander year was 0.5% lower than the previous period. Our energy costs were 3% less.

Definitions/Conversions:

- BTU = British Thermal Unit. A measure of the heat content of fuels or energy sources.
- KBTU = 1,000 BTU
- MMBTU = 1,000,000 BTU
- Electricity and Natural Gas data only

RHSD Average Annual Electricity cost/kWh by utility provider



	2020	2021	2022	2023
— CORH	\$0.1490	\$0.1321	\$0.1129	\$0.1125
— Duke	\$0.1007	\$0.0966	\$0.1116	\$0.1234
— YEC	\$0.1289	\$0.1227	\$0.1245	\$0.1268

City of Rock Hill

- Applied Tech. Center
- Belleview ES
- Castle Heights MS
- Central Child
- Central Office
- Cherry Park ES
- Dist. 3 Stadium
- Dutchman Creek MS
- Ebenezer ES
- Ebinport ES
- Facilities Services
- Finley Road ES
- Flex Learning Center
- India Hook ES
- Northside ES
- Northwestern HS
- Old Pointe ES
- Rawlinson Road ES
- Richmond Dr ES
- Safety/Security Bldg.
- Sullivan MS
- Sunset Park ES
- Sylvia Circle
- Saluda Trail MS
- South Point HS
- Transportation
- York Road ES

Duke Energy

- Carroll School
- Independence ES
- Lesslie ES
- Rock Hill HS

York Electric Cooperative

- Mount Gallant ES
- Mount Holly ES
- Oakdale ES

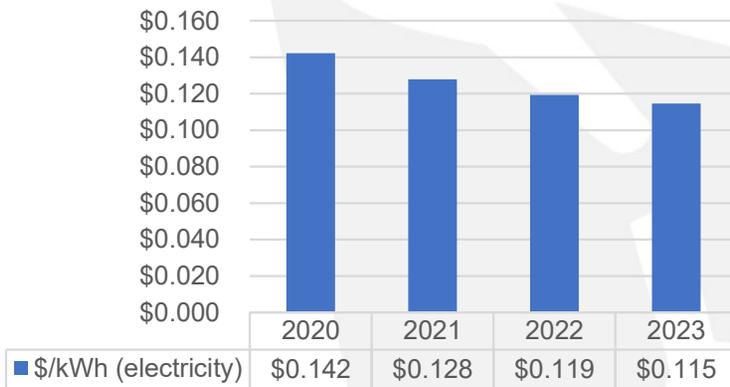
\$/MMBTU (total energy)



Definitions:

- BTU = British Thermal Unit. A measure of heat content. 1 BTU is the amount of heat necessary to raise the temperature of 1 pound of water, 1 degree Fahrenheit.
- MMBTU = 1,000,000 BTU
- kWh = Kilowatt-hour. 1 kWh = 1000 Watthours. It is the measure of energy that a 1000-Watt light bulb would consume in 1 hour of time.
- Therm = measure of Natural Gas consumption. 1 Therm = 100,000 BTU of energy.

\$/kWh (electricity)



\$/Therm (natural gas)



SC 2023 Annual Energy Report Data

Public Entities by Type	Average Energy Use per Square Foot (site kBtu)			Average Energy Spending per Square Foot (\$)		
	FY 2000	FY 2023	% change	FY 2000 ³	FY 2023	% change
State Agencies	113	74.92	-34%	\$2.31	\$1.97	-17%
Residential Colleges and Universities	143	112.60	-21%	\$2.25	\$2.22	-4%
Non-Residential Colleges and Universities	80	62.87	-21%	\$2.01	\$1.77	-14%
School Districts	45	34.18	-24%	\$1.46	\$1.15	-24%
Overall	74	55.27	-25%	\$1.77	\$1.48	-19%

Note: These statistics are based on data submitted by public entities. The Energy Office makes no representation regarding the accuracy of the data it received.

- Our energy use per square foot for CY 2023 was 33.8 kBtu. This is 1% higher than the previously reported 33.3 kBtu for CY 2022 and 1% less than the reported State average of 34.18
- Our energy cost per square foot was \$0.98, which is 1% less than the previously reported \$0.99 for CY 2022, and 14.8% less than the reported State average of \$1.15



ROCK HILL *Schools*