

Whole School Sustainability

2023-2024 Benchmarking:
START Scorecard

YOUR POINTS
571 / 963

THREE STARS

COMPLETENESS
53 / 53

Educational Programs **71** / 120

Tier 1 **16**

Tier 2 **26** / 44

Tier 3 **29** / 60

Organizational Culture **262** / 326

Tier 1 **32**

Tier 2 **118** / 124

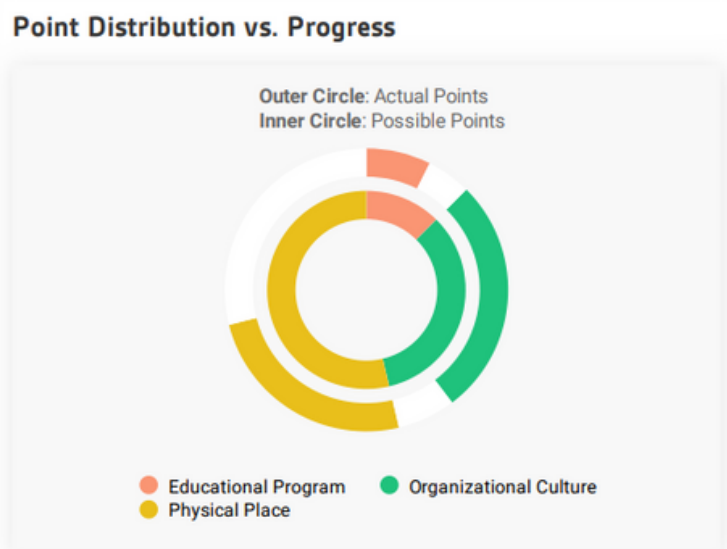
Tier 3 **112** / 170

Physical Place **238** / 517

Tier 1 **84** / 107

Tier 2 **111** / 186

Tier 3 **43** / 224



Whole School Sustainability

2023 Benchmarking:
START Score Breakdown



Educational Programs Metrics

Tier-level :

Tier-level :

1	Events	3	5	Course Development Training	1
2	Outdoor Programs	3	6	Course Content	3
3	Student Groups	3	7	Outdoor Learning Environments	1
4	Student Orientation	1	8	Sustainability Learning Outcomes	2



Organizational Culture Metrics

Tier-level:

Tier-level:

9	Nutrition	3	19	Sustainability Planning	3
10	Outreach Campaigns	1	20	Equity Coordination	3
11	Communications	2	21	Equity Support	3
12	Community Service	3	22	Low-Income Accessibility	2
13	Local Partnerships	3	23	Employee Feedback	3
14	Governance	3	24	Employee Training	2
15	Purchasing	2	25	Networking	3
16	Strategic Planning	3	26	Employee Wellness	2
17	Sustainability Committee	3	27	Physical Activity	2
18	Sustainability Coordinator	3	28	Student Wellness Committee	3



Physical Place

Tier-Level:

29	Chemical Management	3
30	Electronic Waste	2
31	Transition Waste	2
32	Waste Diversion	2
33	Waste Minimization	3
34	GHG Emissions Inventory	2
35	GHG Reduction	1
36	Indoor Air Quality	NA
37	Outdoor Air Quality	NA
38	Design & Construction	1
39	Green Cleaning	2
40	Grounds Management	1
41	Energy Consumption	2

Tier-Level:

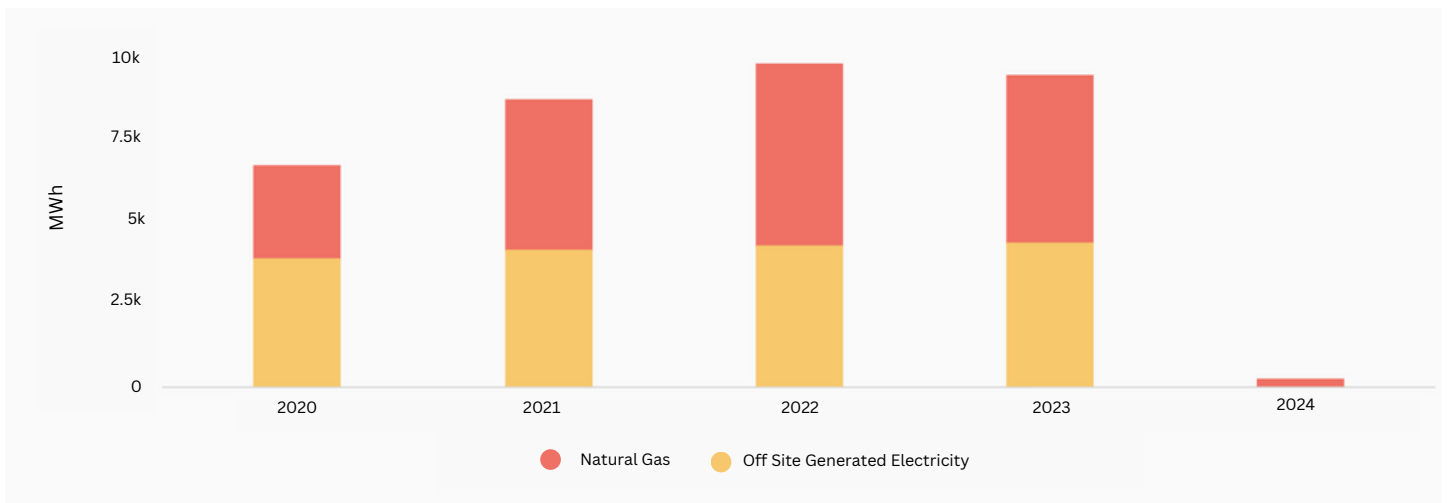
42	Renewable Energy	2
43	Composting	3
44	Food Procurement	2
45	Low-Income Dining	3
46	Tableware & Trays	2
47	Employee Transportation	NA
48	Motorized Fleet	1
49	Student Transportation	NA
50	Transportation Support	2
51	Drinking Water Access	3
52	Stormwater Management	1
53	Water Consumption	NA

Energy Consumption

	2020	2021	2022	2023
Natural Gas:	2,781.76 MWh	4,436.41 MWh	5,370.29 MWh	4,918.45 MWh
Off Site Generated Electricity:	3,806.88 MWh	4,064.27 MWh	4,192.03 MWh	4,299.15 MWh
Total:	6,588.64 MWh	8,500.67 MWh	9,562.32 MWh	9,217.60 MWh

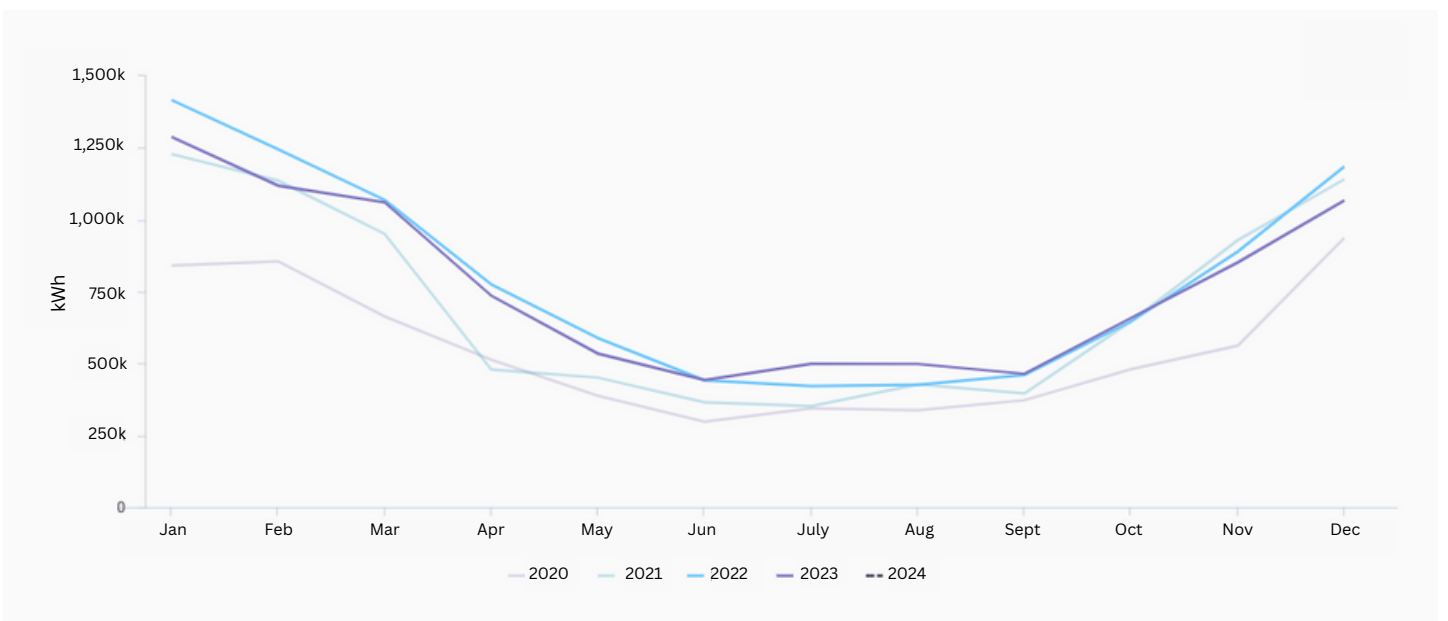
Calendar Year Total Energy Consumption

Annual Consumption for All Energy Types



Year-over-Year Energy Consumption

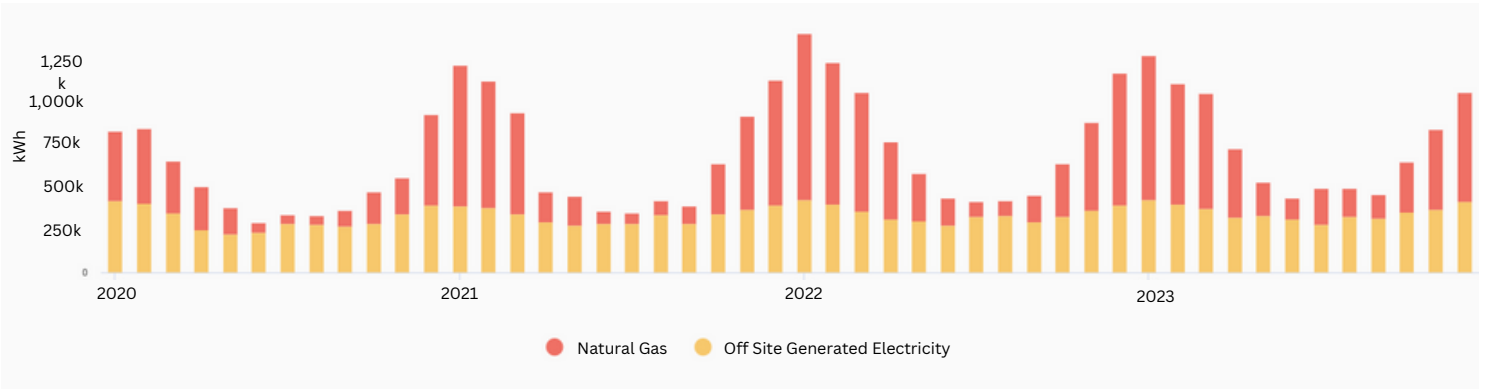
Yearly Comparison of Total Energy Consumption



Energy Consumption

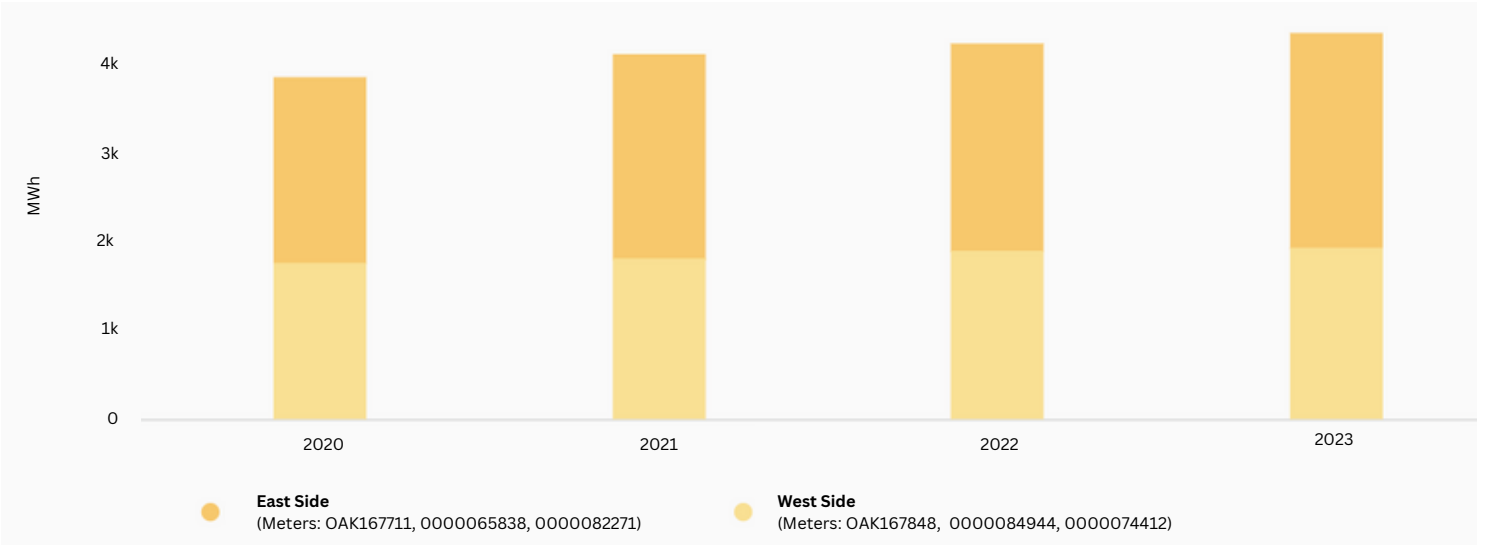
Monthly Energy Consumption

Monthly Consumption for All Energy Types



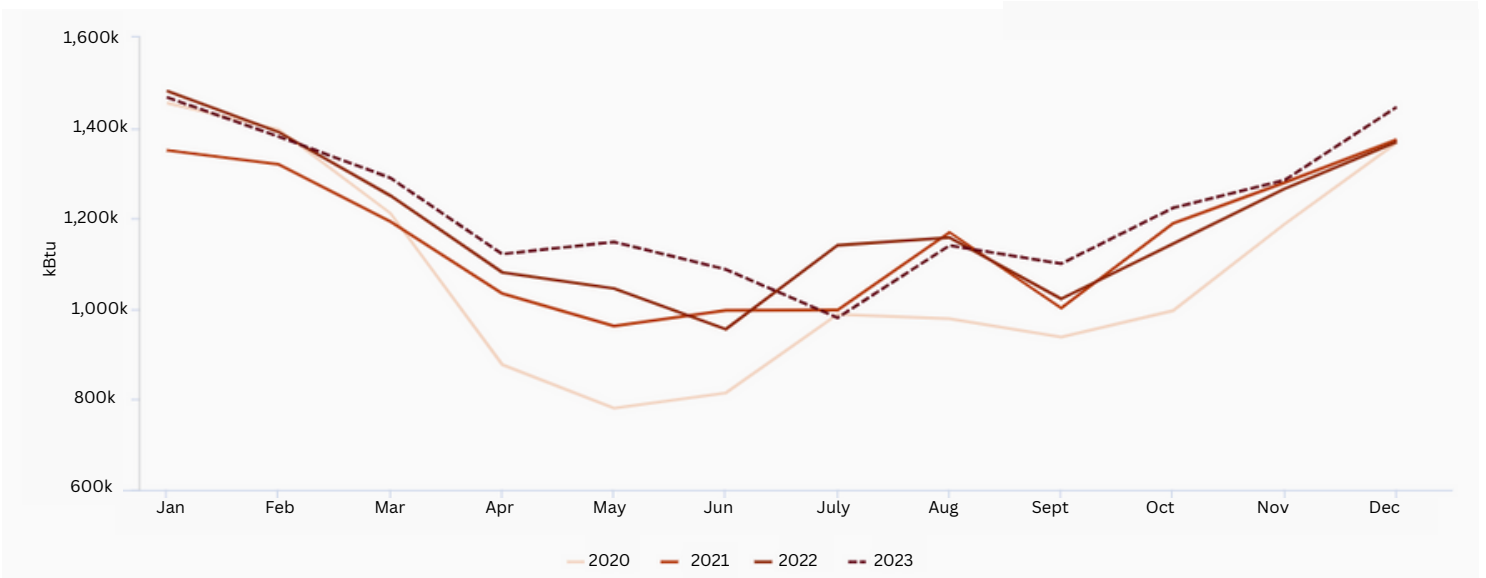
Calendar Year Total Electricity Consumption

Annual Consumption for All Accounts



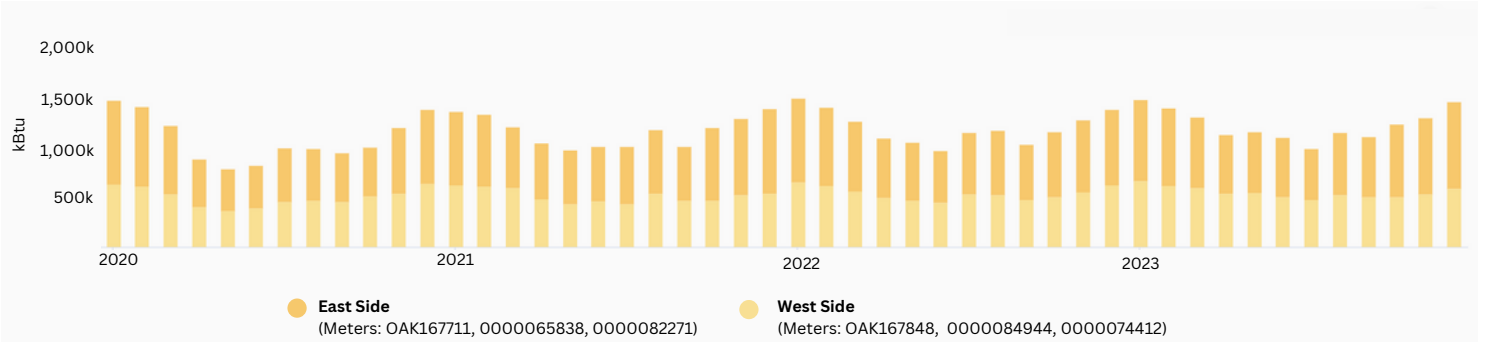
Year-over-year Electricity Consumption

Yearly Comparison of Total Electricity Consumption



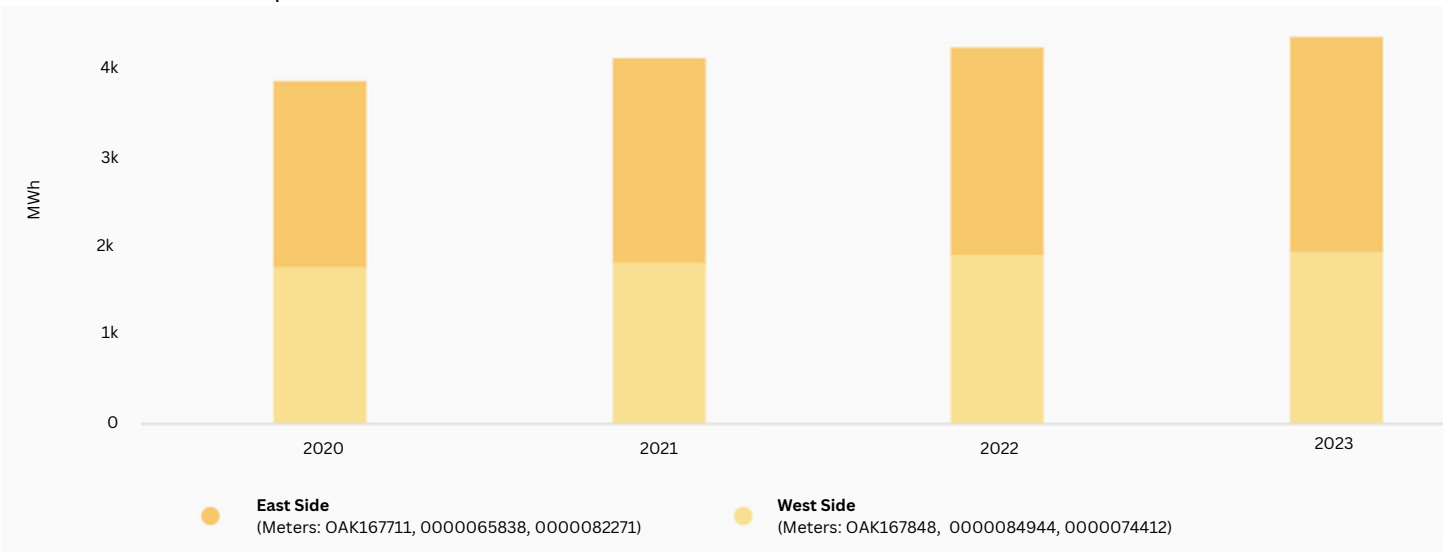
Monthly Electricity Consumption

Monthly Consumption for All Electricity Types



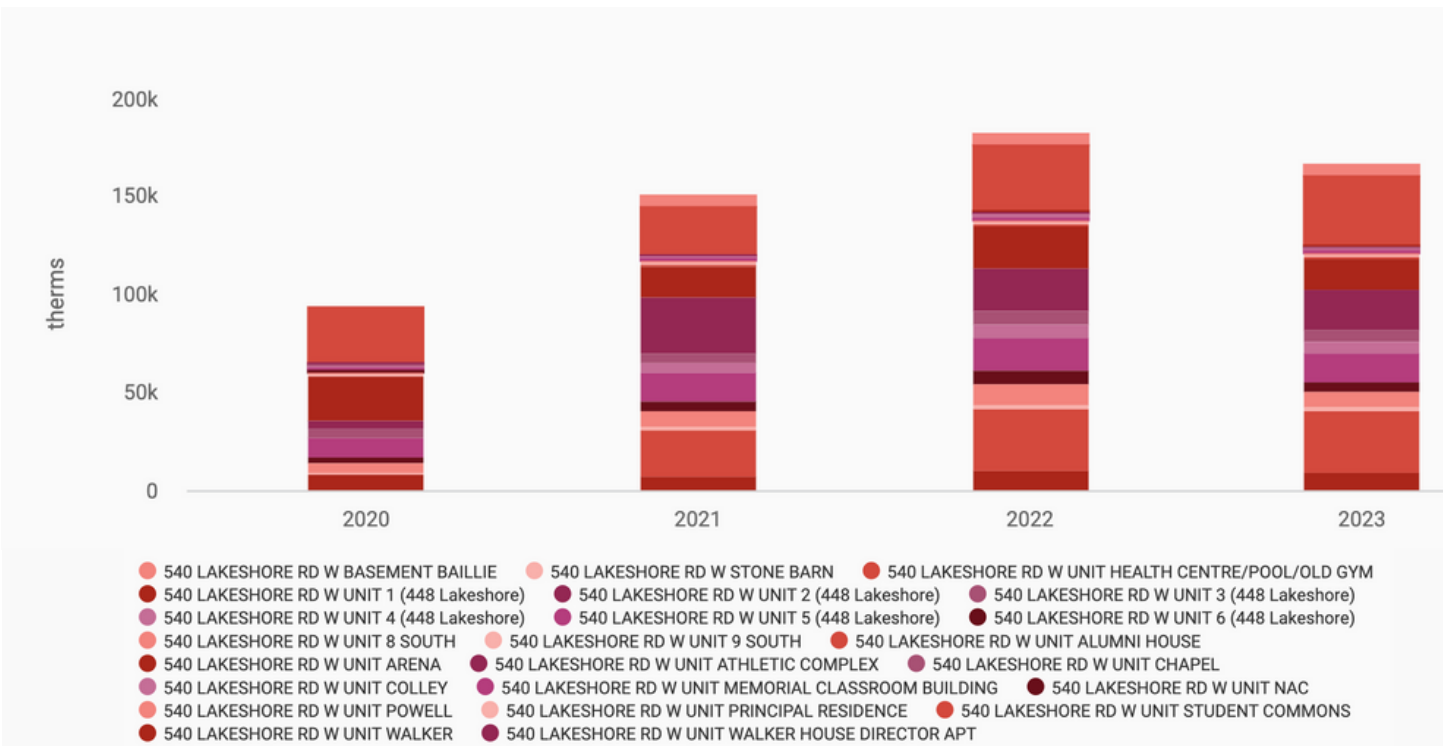
Calendar Year Total Electricity Consumption

Annual Consumption for All Accounts



Calendar Year Total Gas Consumption

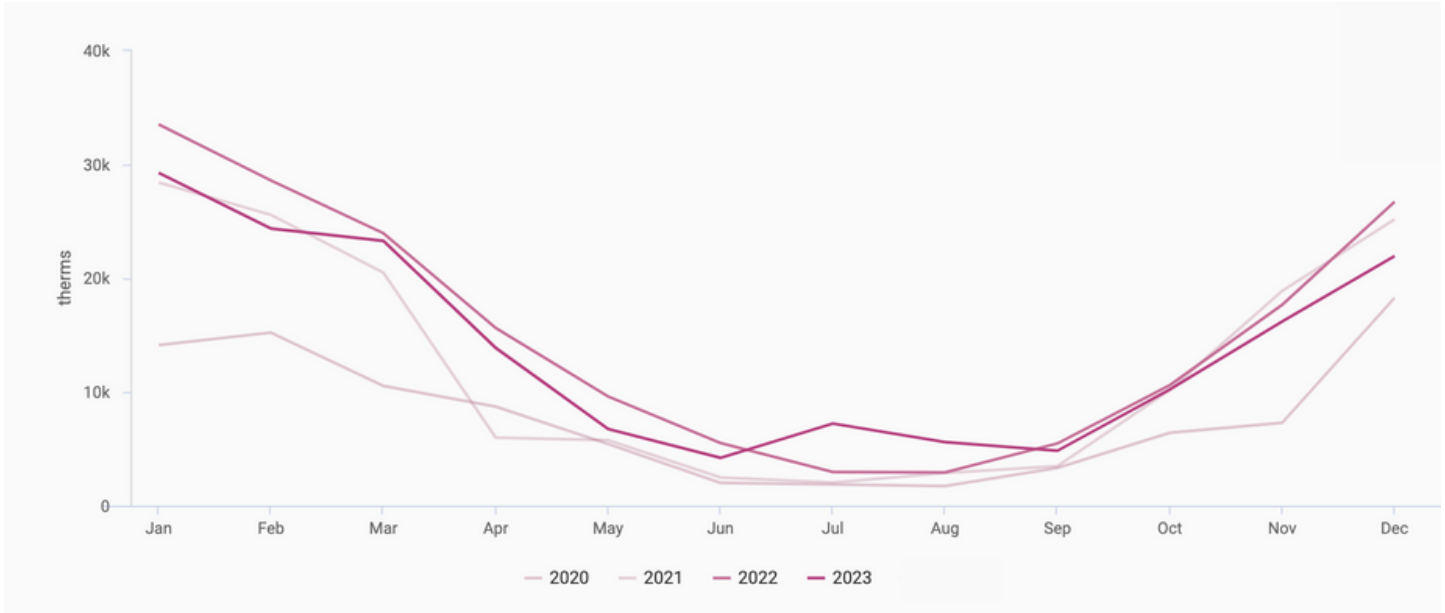
Annual Consumption for All Accounts





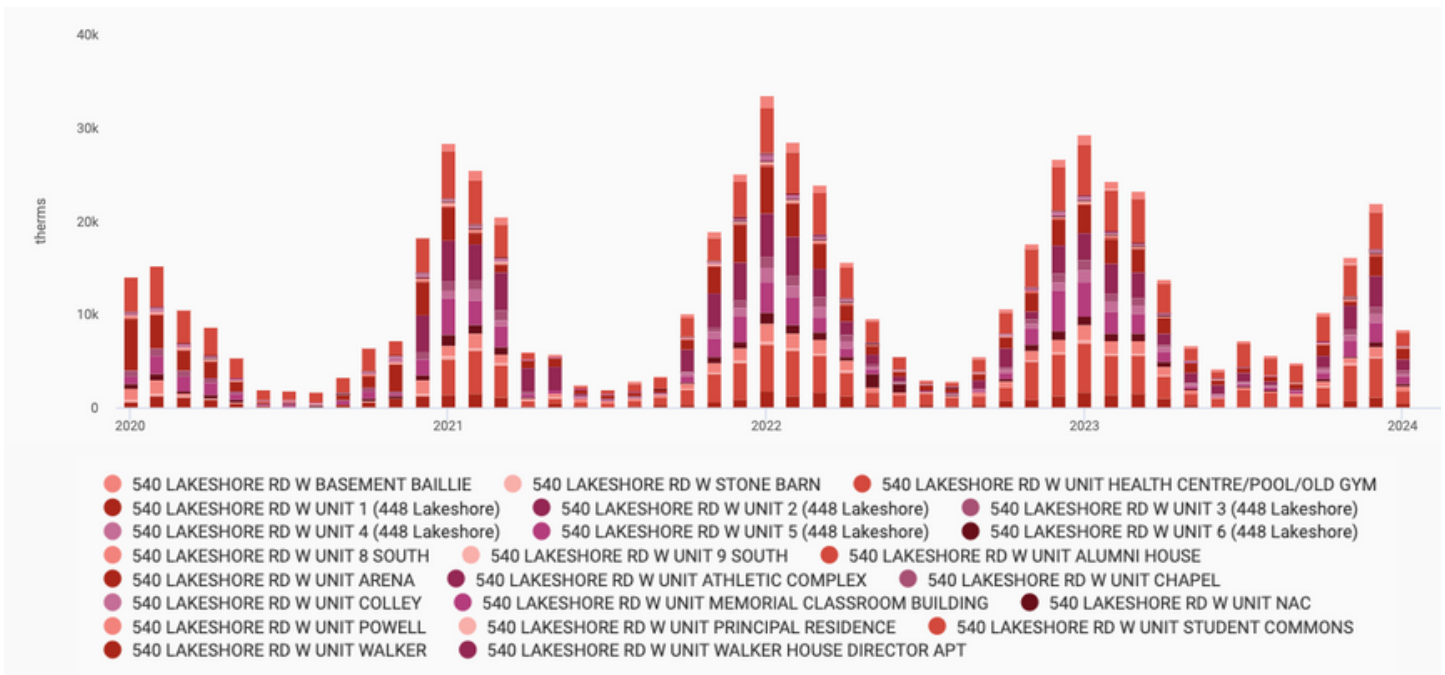
Year-over-Year Gas Consumption

Yearly Comparison of Total Gas Consumption



Monthly Gas Consumption

Monthly Consumption for All Accounts



Emissions

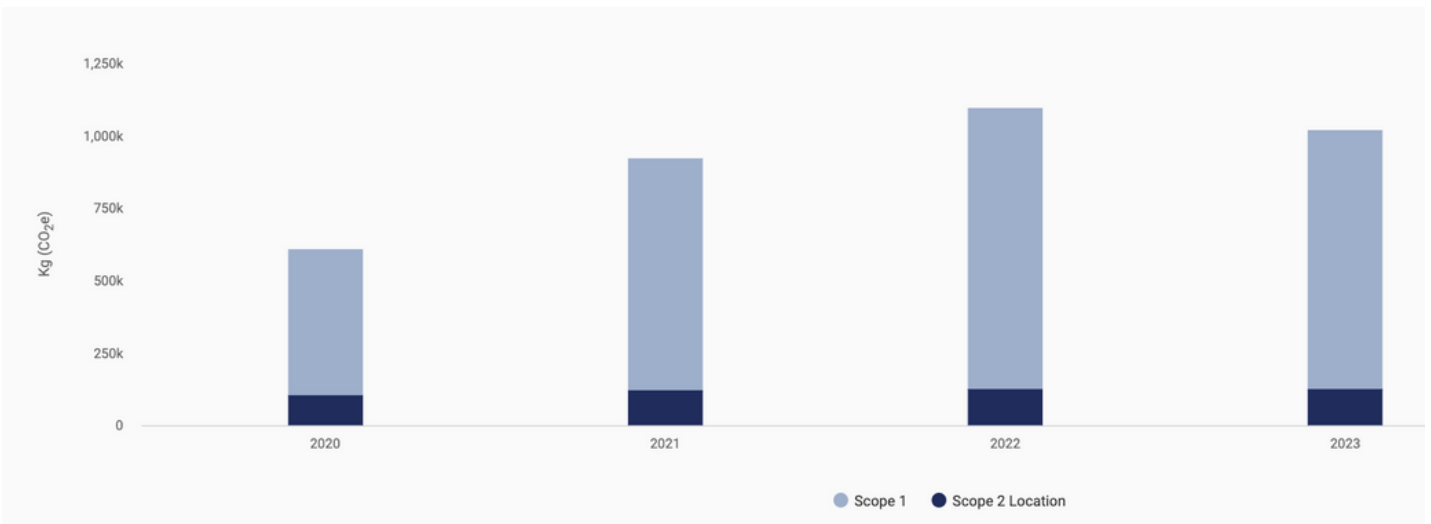
Scope 1 and 2 emissions are calculated by multiplying energy-use values by emissions factors that enable an accurate estimation of emissions based on the fuel type. Scope 1 emissions are direct emissions that result from burning fossil fuels on site. Scope 2 emissions are indirect emissions resulting from energy generated off-site and delivered. Maalka uses location-based Scope 2 factors that estimate indirect emissions based on the location where the energy is generated. This school uses Emissions Factors for Canada.

	2020	2021	2022	2023
Scope 1 Emissions (kg):	503824.379	803508.634	972650.133	890814.738
Scope 2 Emissions (kg)	106592.522	121927.987	125760.924	128974.457
Total (kg):	610416.901	925436.621	1098411.06	1019789.19



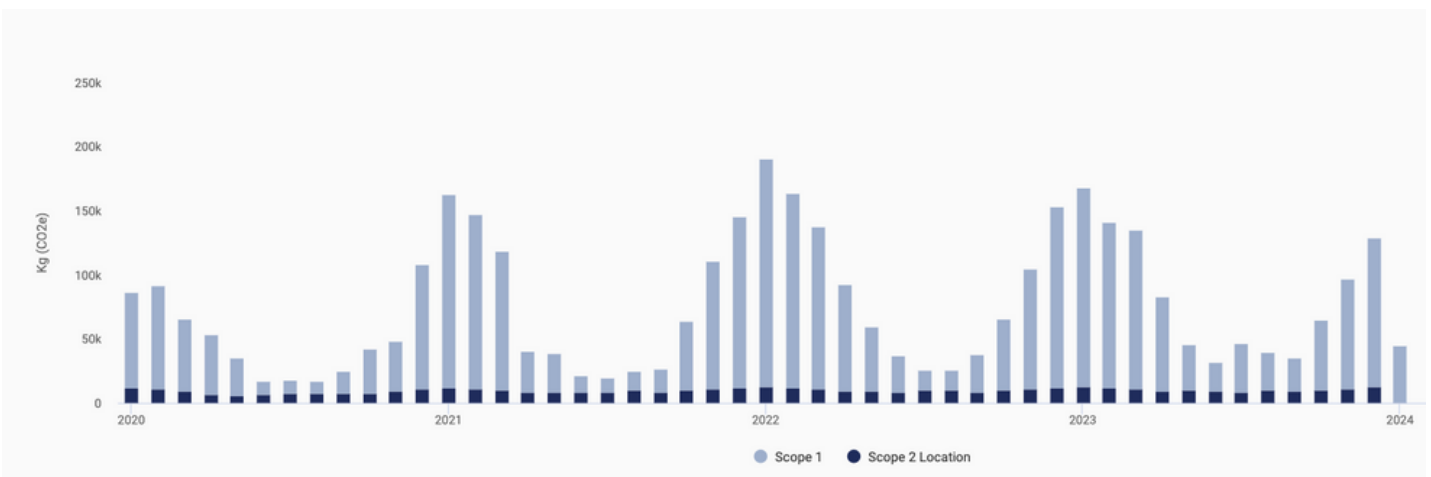
Yearly Emissions for All Time

Annual Total Scope 1 and Scope 2 Location Emissions



Monthly Emissions for All Energy

Annual Total Scope 1 & Scope 2 Location Emissions



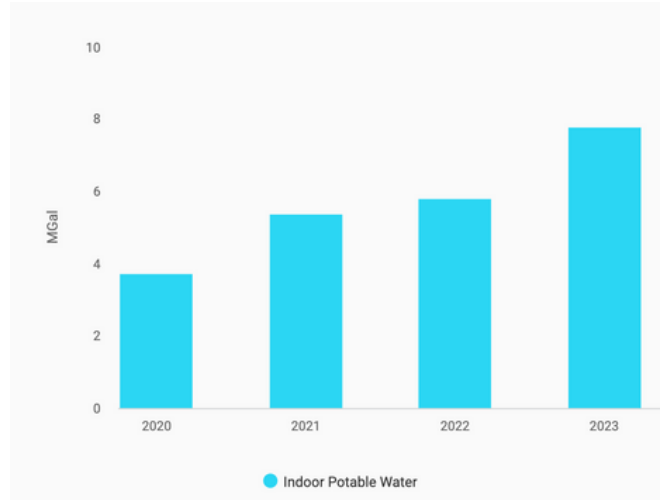
Water

	2020	2021	2022	2023
Water Total (MGal):	3.714425	5.392607	5.797781	7.791251



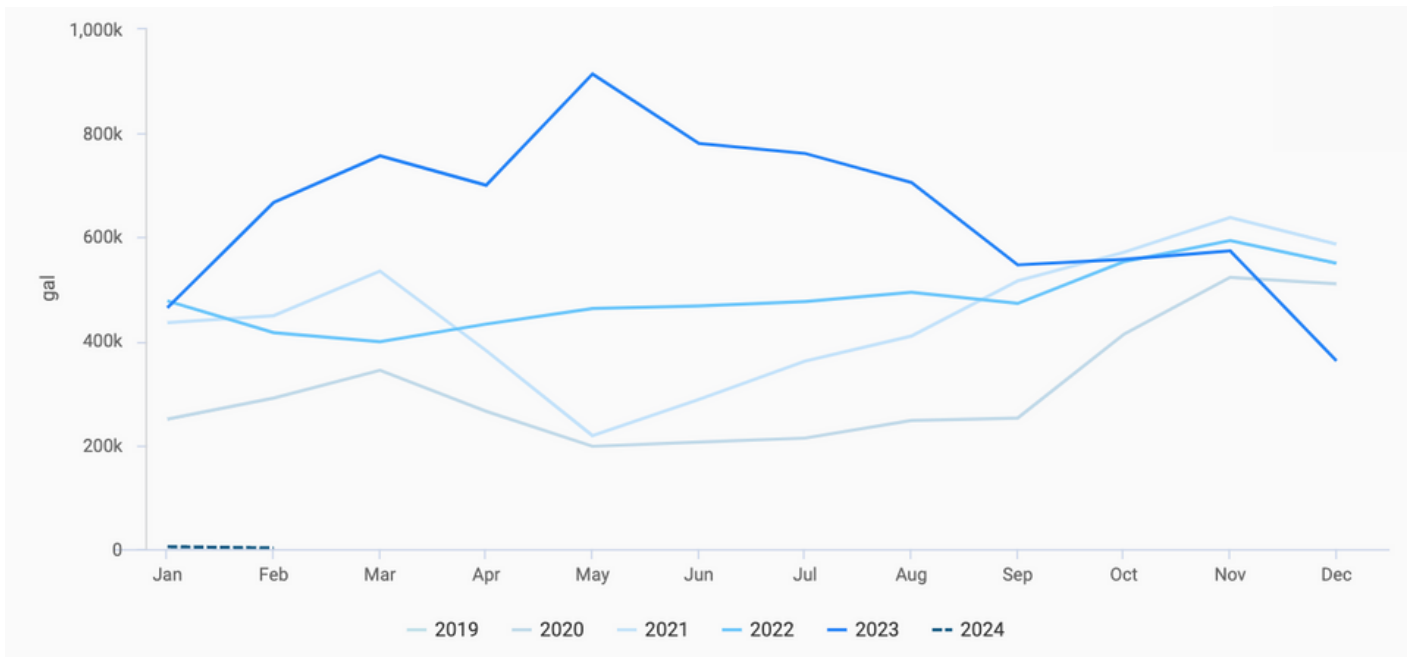
Calendar Year Total Water Consumption

Annual Consumption for All Accounts



Year-over-Year Water Consumption

Yearly Comparison of Total Water Consumption



Monthly Water Consumption

Yearly Comparison for All Accounts

