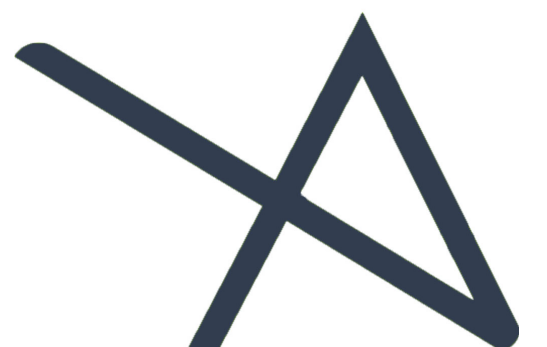


Shire of Denmark

Quarterly Performance Review

FY 2022-2023

Q4





333

Total Energy Usage (GJ)

-10

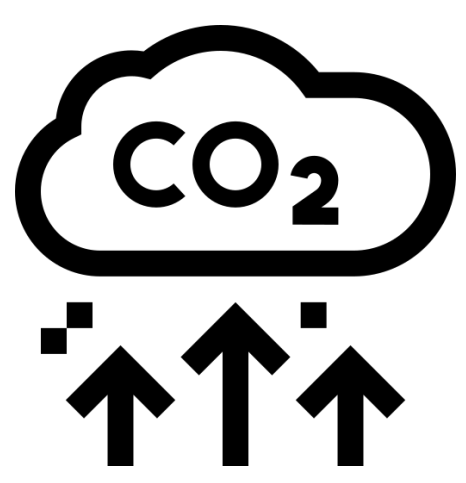
Energy Usage Change Since Previous Year (GJ)

38K

Total Energy Cost (\$)

552

Energy Cost Change Since Previous Year (\$)



8,687

All Scopes

16

All Scopes Change Since...

8,687

Nett All Scopes



2,015

Total Water Usage (kL)

251

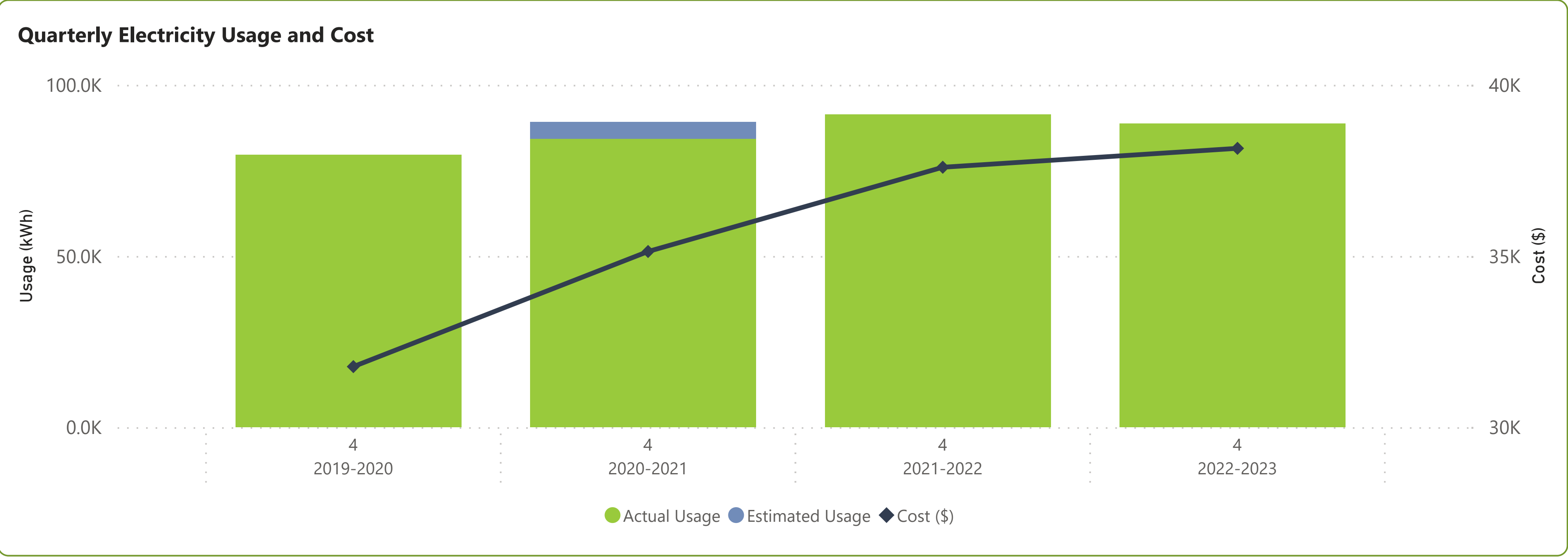
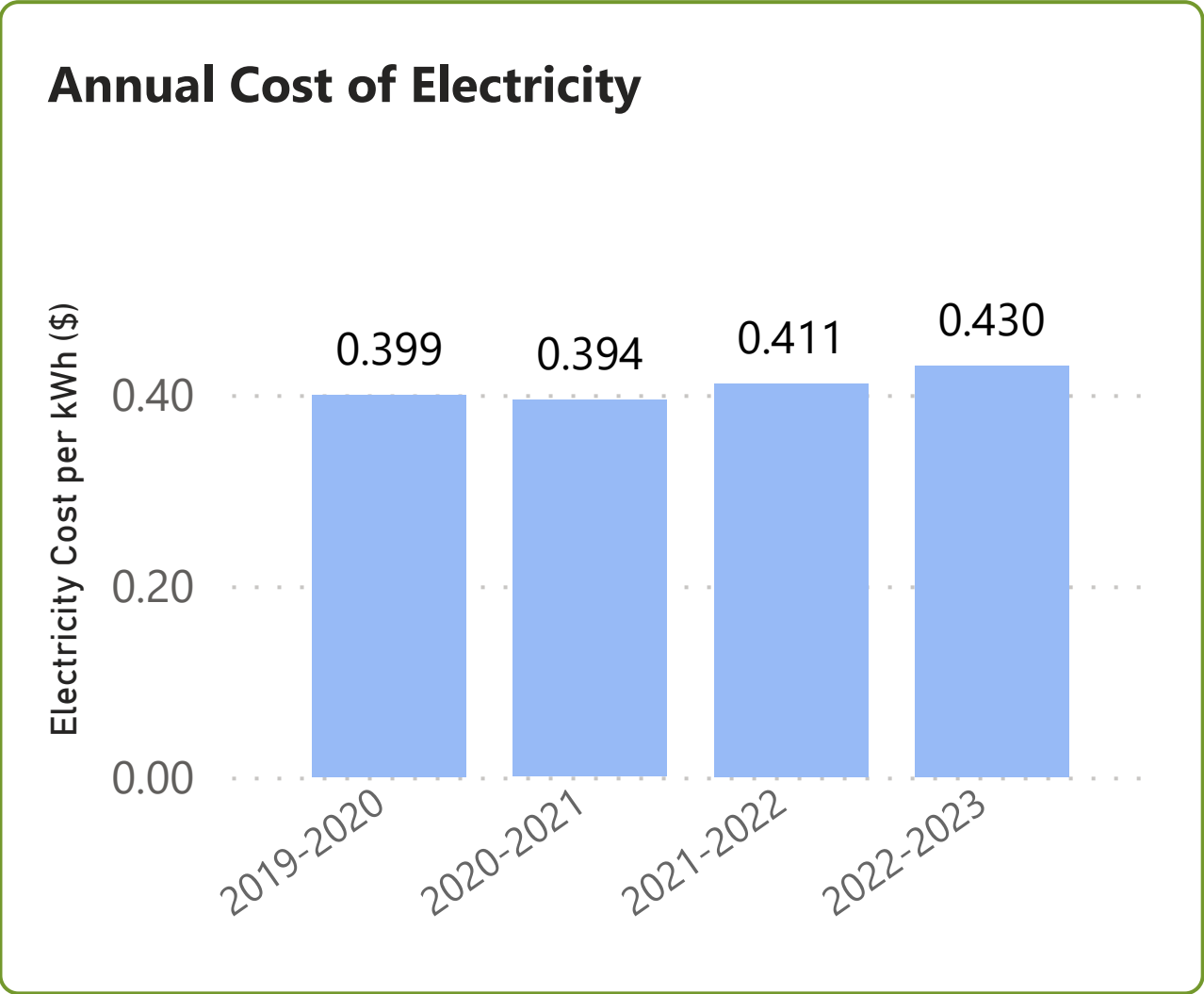
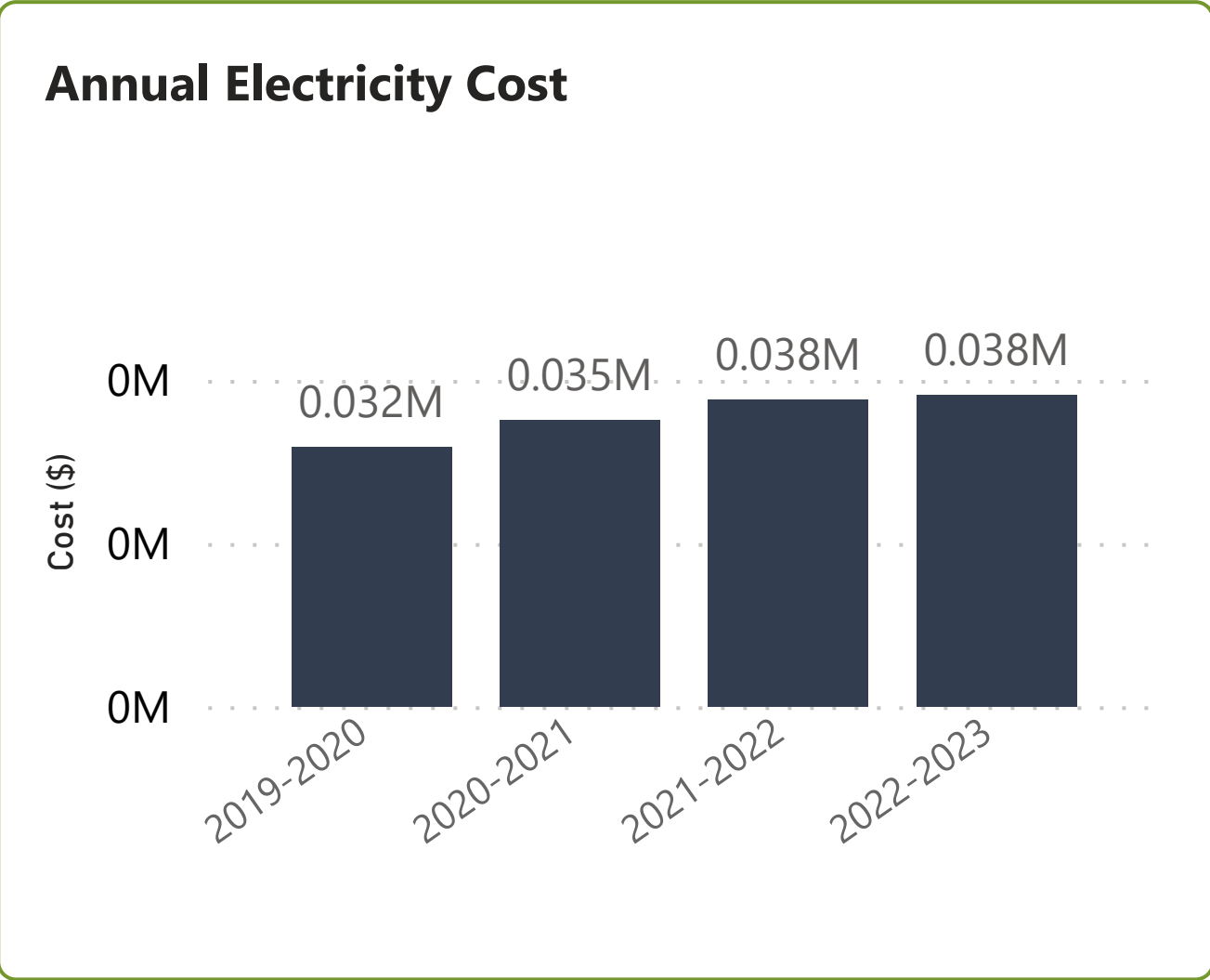
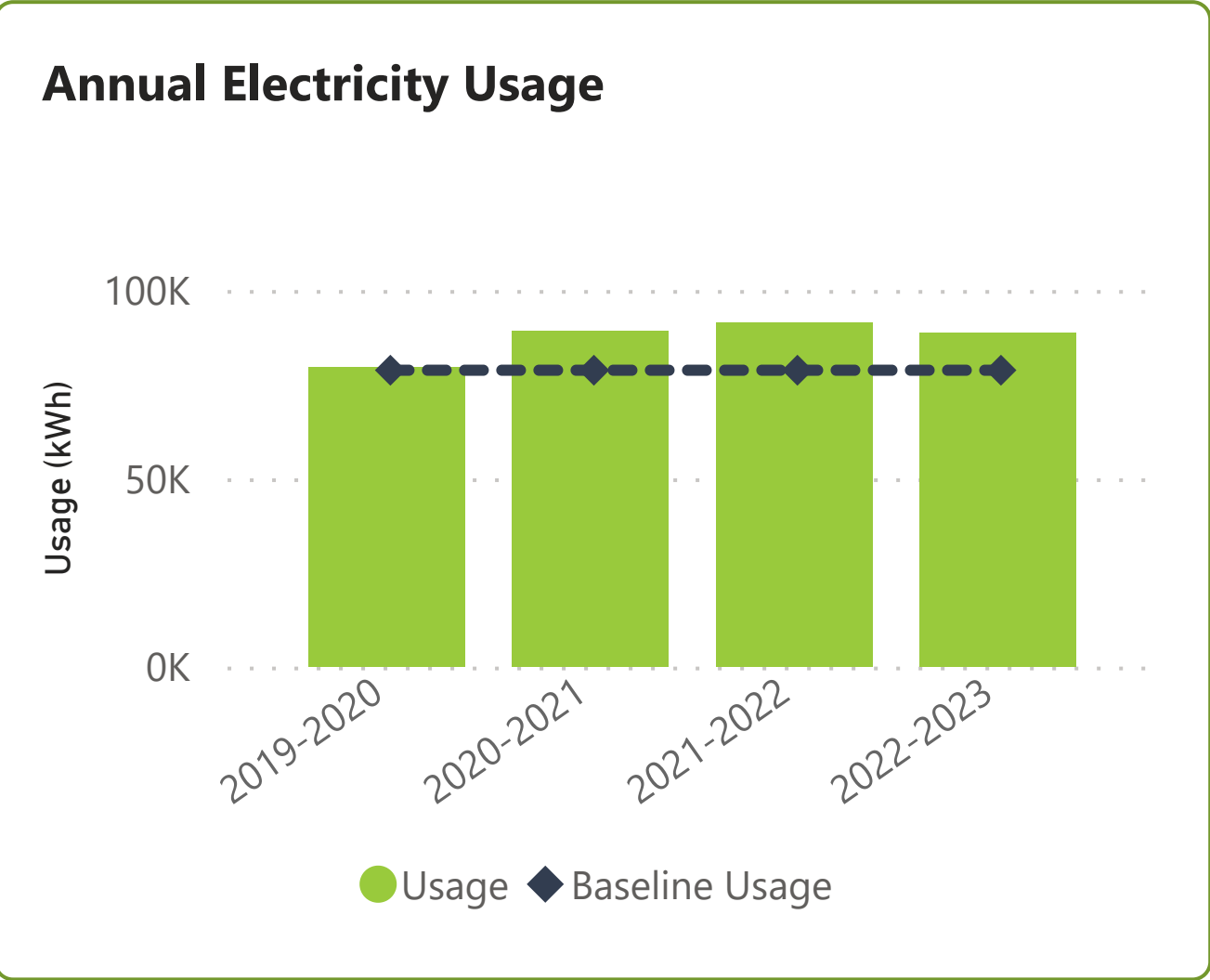
Water Usage Change Since Previous Year (kL)

\$ 6K

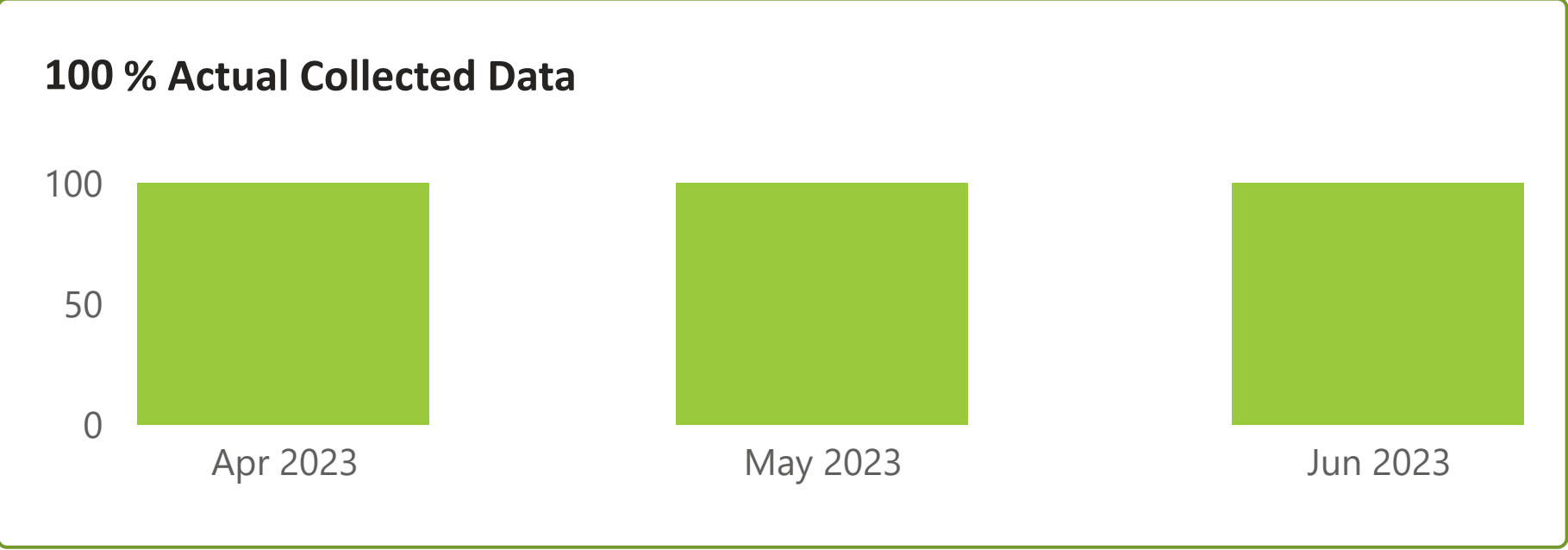
Total Water Cost (\$)

-\$ 2K

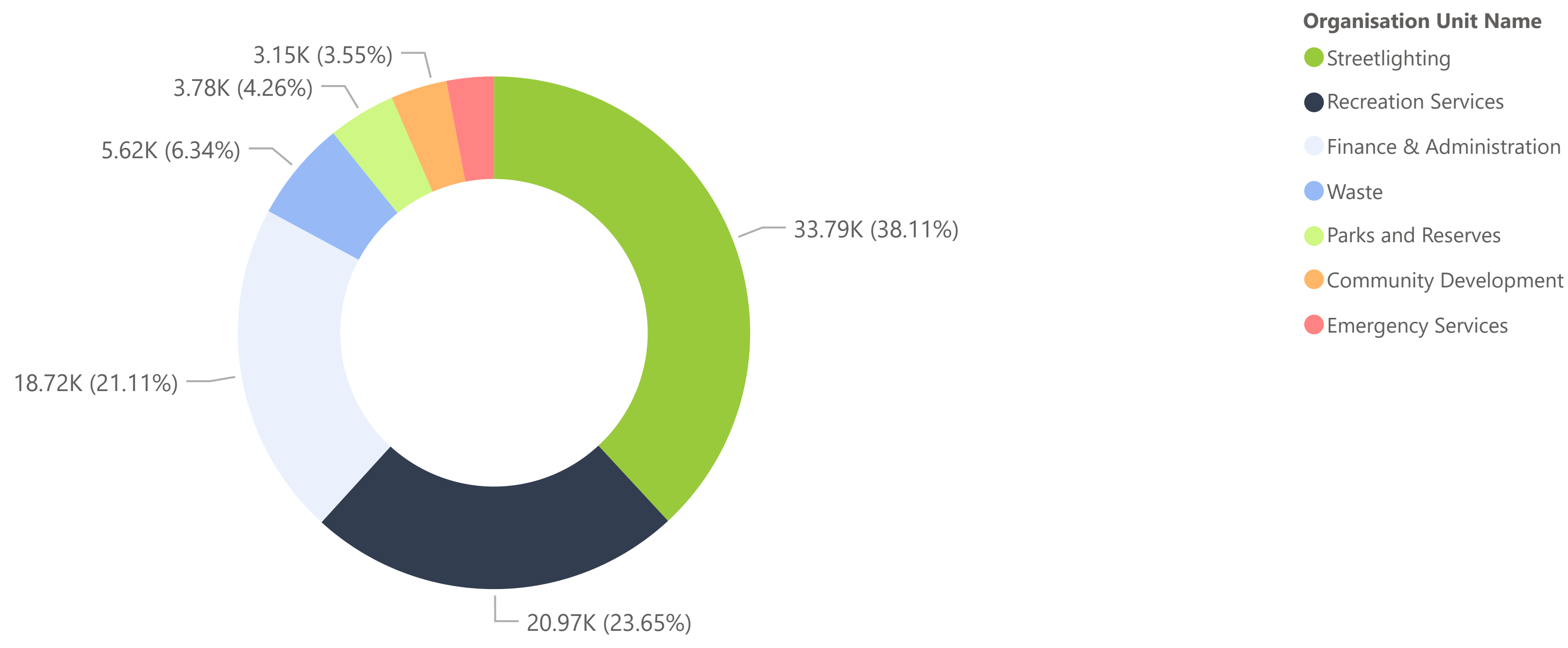
Water Total Cost Change Since Previous Year (\$)



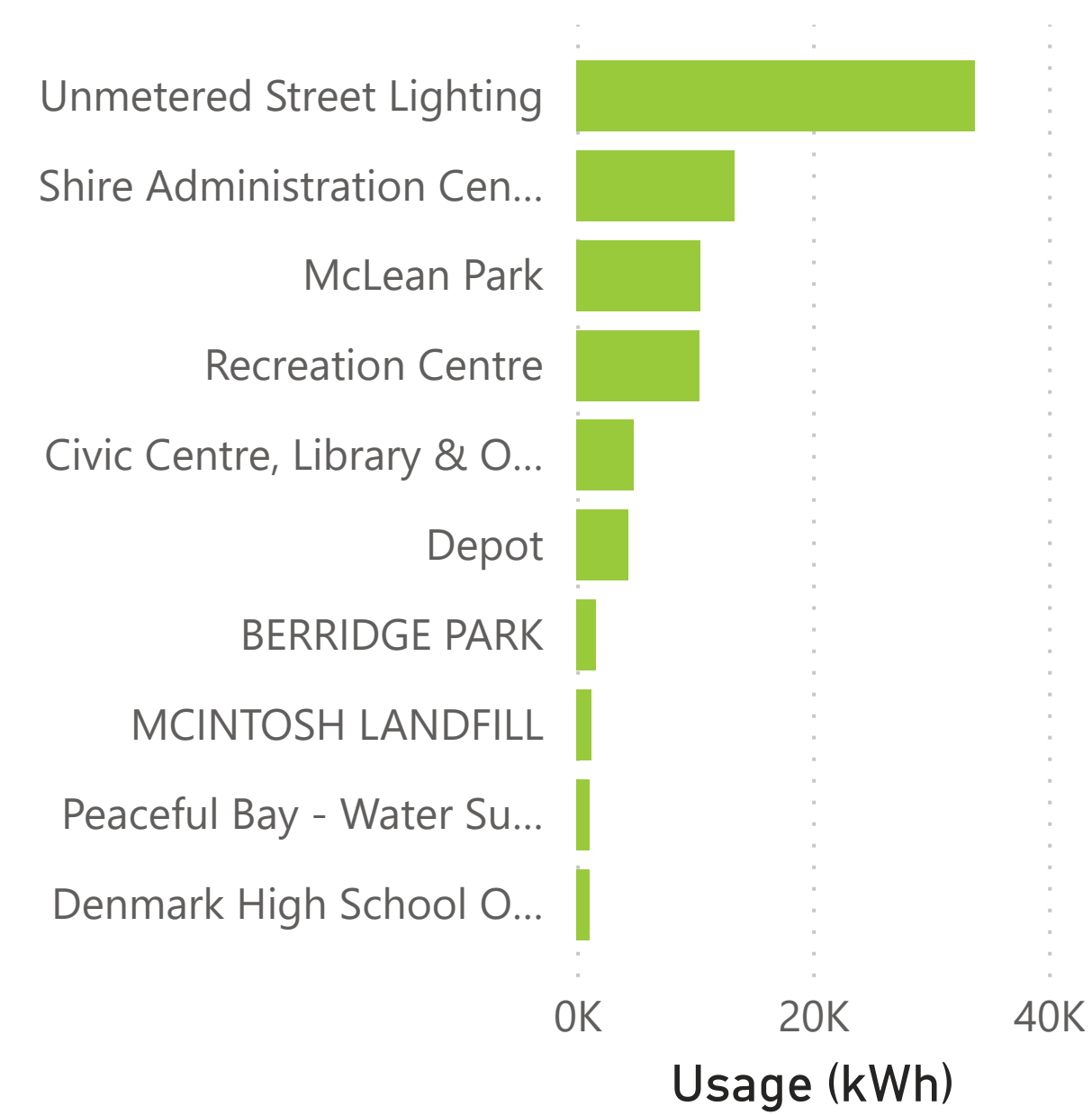
Financial Year	Usage (kWh)	YoY Change (%)	Cost (\$)	YoY Cost Change (%)
2022-2023	88,664.00	-2.97 	38,145.00	1.47 
2021-2022	91,380.00	2.47 	37,593.00	7.01 
2020-2021	89,176.00	12.09 	35,132.00	10.58 
2019-2020	79,560.00	19.71 	31,770.00	20.43 



Electricity Usage by Organisation Units



Top 10 Assets Electricity Performance



Asset Name	Cost (\$)	Cost per kWh (\$)
Unmetered Street Lighting	17,994.00	0.53
Shire Administration Centre	4,441.00	0.33
McLean Park	3,159.00	0.30
Recreation Centre	3,138.00	0.30
Civic Centre, Library & Old Resource Centre	1,541.00	0.32
Depot	1,412.00	0.32
BERRIDGE PARK	623.00	0.38
Denmark High School Oval Bore	530.00	0.48
MCINTOSH LANDFILL	510.00	0.42
Peaceful Bay - Water Supply Pump Shed	474.00	0.43
Total	33,822.00	0.41

Assets with Biggest Usage Increases

Asset Name	Usage (kWh)	Change (kWh) ▼	Change (%)	Cost (\$)	Cost per kWh (\$)
Shire Administration Centre	13,359	1,122	9	4,441	0.33
BERRIDGE PARK	1,625	760	88	623	0.38
SHADFORTH/SCOTSDALE BUSH FIRE BRIGADE	859	617	255	405	0.47
Denmark High School Oval Bore	1,095	328	43	530	0.48
Unmetered Street Lighting	33,792	276	1	17,994	0.53
Civic Centre, Library & Old Resource Centre	4,844	111	2	1,541	0.32
WAR MEMORIAL	248	84	51	226	0.91
Nornalup Community Hall (Toilets)	975	36	4	452	0.46
PEACEFUL BAY BEACH TOILETS	405	36	10	273	0.67
Kwoorabup Community Park	206	30	17	216	1.05

Assets with Biggest Cost Increases

Asset Name	Usage (kWh)	Cost (\$)	Change (\$) ▼	Change (%)	Cost per kWh (\$)
Unmetered Street Lighting	33,792	17,994	643	4	0.53
Shire Administration Centre	13,359	4,441	535	14	0.33
BERRIDGE PARK	1,625	623	230	59	0.38
SHADFORTH/SCOTSDALE BUSH FIRE BRIGADE	859	405	181	81	0.47
Denmark High School Oval Bore	1,095	530	102	24	0.48
Civic Centre, Library & Old Resource Centre	4,844	1,541	86	6	0.32
Recreation Centre	10,445	3,138	32	1	0.30
WAR MEMORIAL	248	226	27	14	0.91
Nornalup Community Hall (Toilets)	975	452	23	5	0.46
PEACEFUL BAY BEACH TOILETS	405	273	17	7	0.67

Assets with Biggest Usage Decreases

Asset Name	Usage (kWh)	Change (kWh) ▲	Change (%)	Cost (\$)	Cost per kWh (\$)
Peaceful Bay - Water Supply Pump Shed	1,104.00	-2,162.00	-66.20	474.00	0.43
Peaceful Bay Beach Toilets Pump/ Playground Toilets	655.00	-1,735.00	-72.59	346.00	0.53
Depot	4,393.00	-892.00	-16.88	1,412.00	0.32
McLean Park	10,521.00	-748.00	-6.64	3,159.00	0.30
Recreation Centre	10,445.00	-288.00	-2.68	3,138.00	0.30
Thornton Park	605.00	-137.00	-18.46	331.00	0.55
PEACEFUL BAY BUSH FIRE BRIGADE	141.00	-59.00	-29.50	199.00	1.41
EAST DENMARK BUSH FIRE BRIGADE	637.00	-58.00	-8.35	341.00	0.54
HAREWOOD BUSH FIRE BRIGADE	80.00	-24.00	-23.08	180.00	2.25
MCINTOSH LANDFILL	1,225.00	-16.00	-1.29	510.00	0.42

Assets with Biggest Cost Decreases

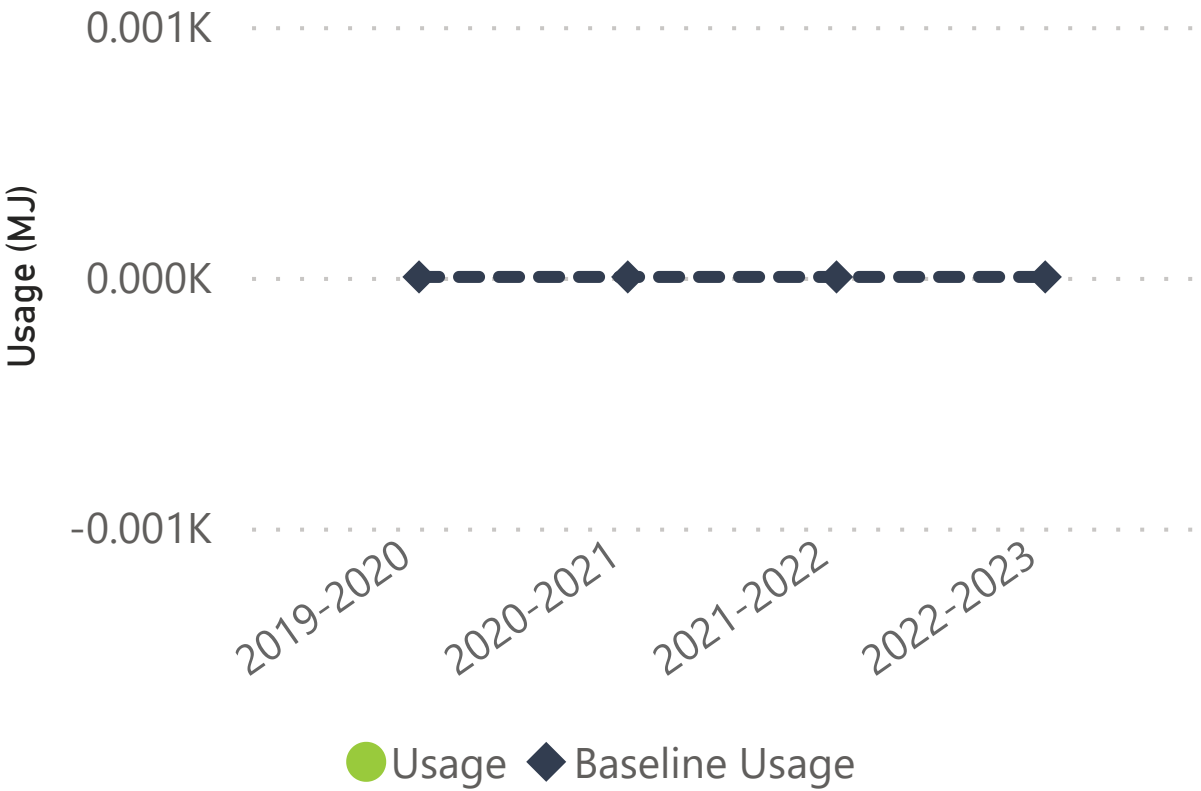
Asset Name	Usage (kWh)	Cost (\$)	Change (\$) ▲	Change (%)	Cost per kWh (\$)
Peaceful Bay - Water Supply Pump Shed	1,104.00	474.00	-578.00	-54.94	0.43
Peaceful Bay Beach Toilets Pump/ Playground Toilets	655.00	346.00	-466.00	-57.39	0.53
Depot	4,393.00	1,412.00	-196.00	-12.19	0.32
McLean Park	10,521.00	3,159.00	-93.00	-2.86	0.30
Thornton Park	605.00	331.00	-28.00	-7.80	0.55
PEACEFUL BAY BUSH FIRE BRIGADE	141.00	199.00	-12.00	-5.69	1.41
EAST DENMARK BUSH FIRE BRIGADE	637.00	341.00	-7.00	-2.01	0.54
HAREWOOD BUSH FIRE BRIGADE	80.00	180.00	-3.00	-1.64	2.25
WILLIAM BAY BUSH FIRE BRIGADE	291.00	238.00	0.00	0.00	0.82



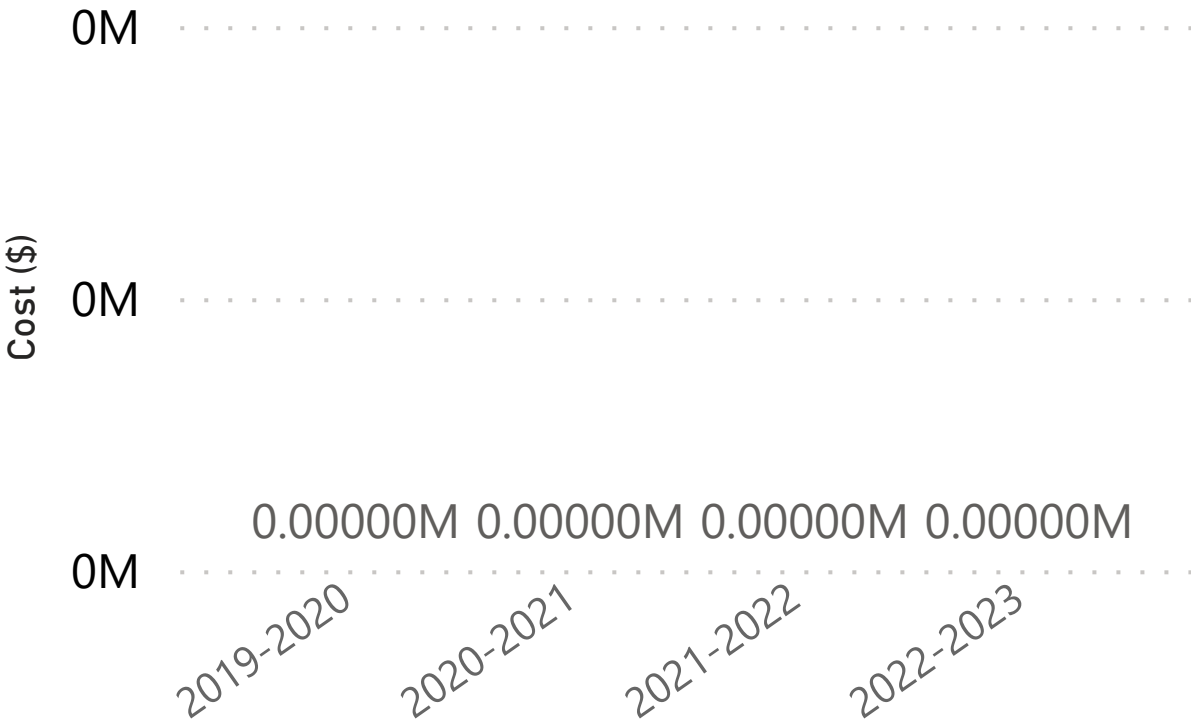
Annual Mains Gas Overview



Annual Mains Gas Usage

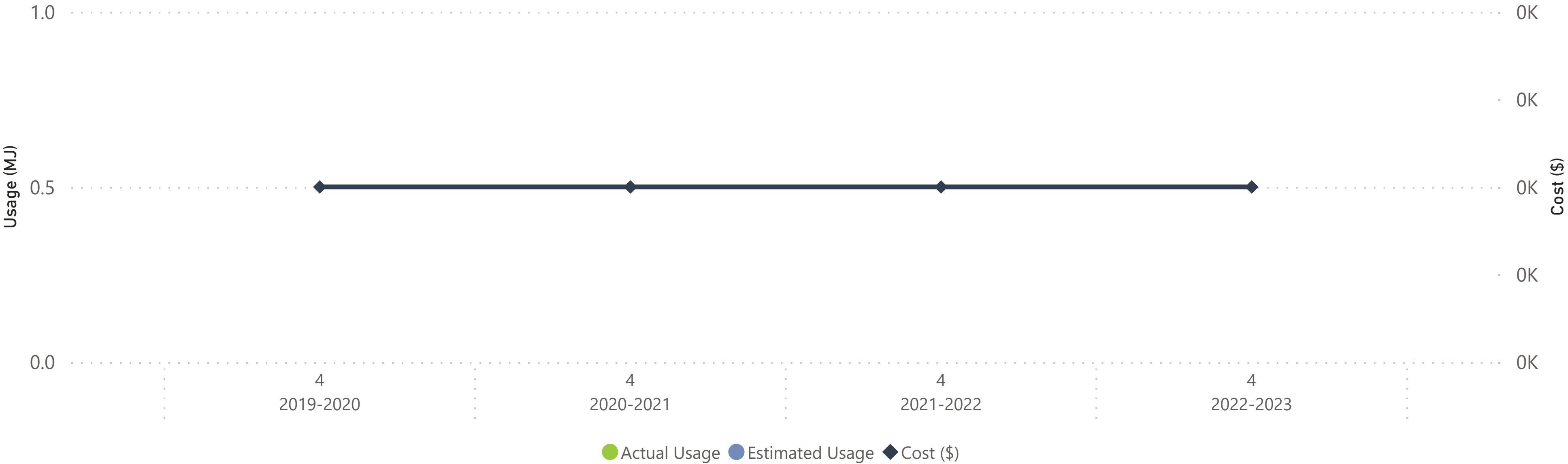


Annual Mains Gas Cost



Annual Cost of Mains Gas

Quarterly Mains Gas Usage and Cost



Financial Year	Usage (GJ)	YoY Change (%)	Cost (\$)	YoY Cost Change (%)
2022-2023	0.00		0.00	↑
2021-2022	0.00		0.00	↑
2020-2021	0.00		0.00	↑
2019-2020	0.00		0.00	↑

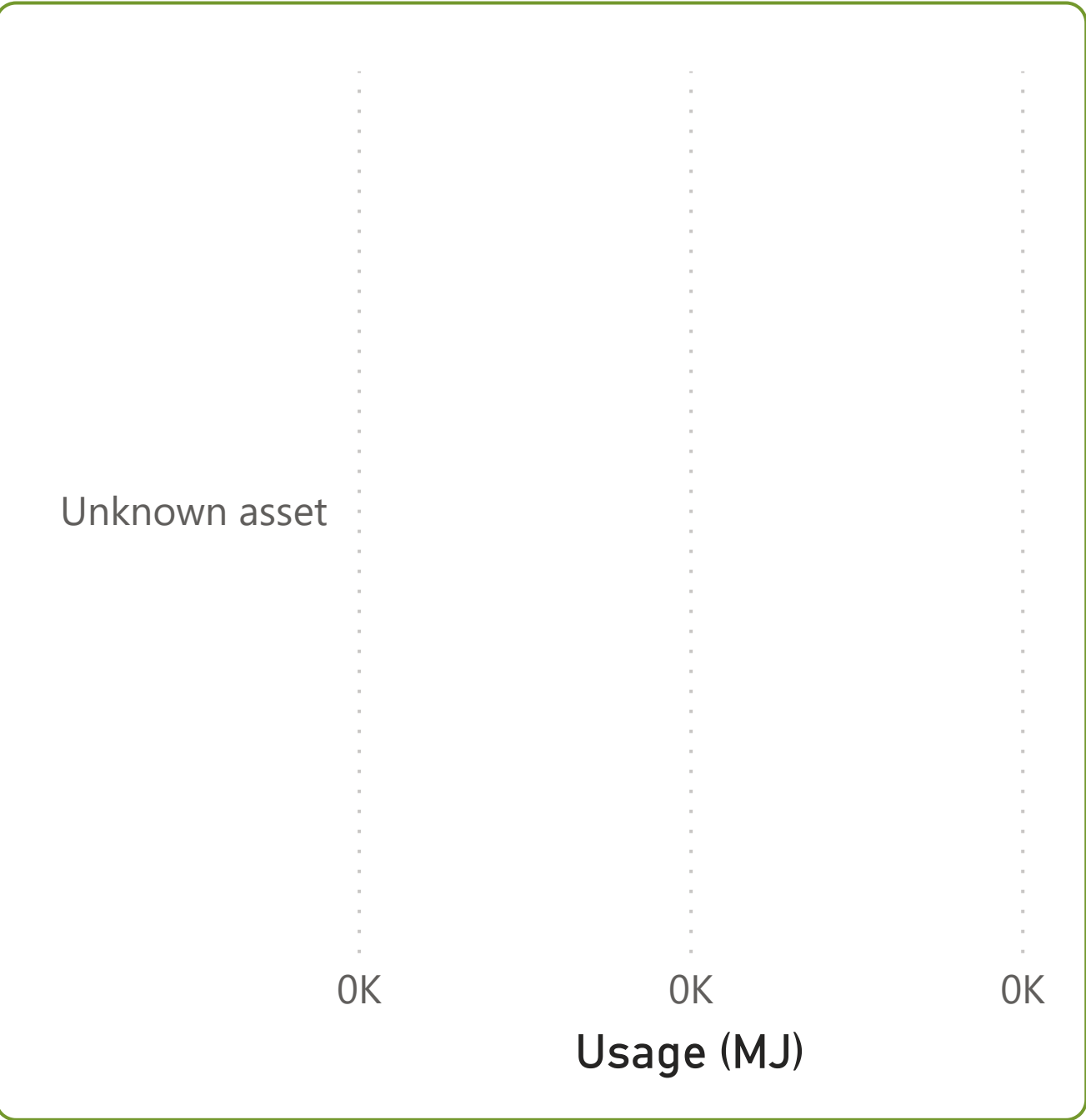
(Bla..% Actual Collected Data

Natural Gas Usage by Organisation Units

Organisation Unit Name

Unknown organisation unit

Top 10 Assets Mains Gas Performance



Asset Name	Cost (\$)	Cost per MJ (\$)
Unknown asset	0.00	
Total	0.00	



Asset Mains Gas Performance Increases



Assets with Biggest Usage Increases

Asset Name	Usage (MJ)	Change (MJ)	Change (%)	Cost (\$)	Cost per MJ (\$)
Unknown asset	0.00	0.00		0.00	

Assets with Biggest Cost Increases

Asset Name	Usage (MJ)	Cost (\$)	Change (\$)	Change (%)	Cost per MJ (\$)
Unknown asset	0.00	0.00	0.00		



Asset Mains Gas Performance Decreases

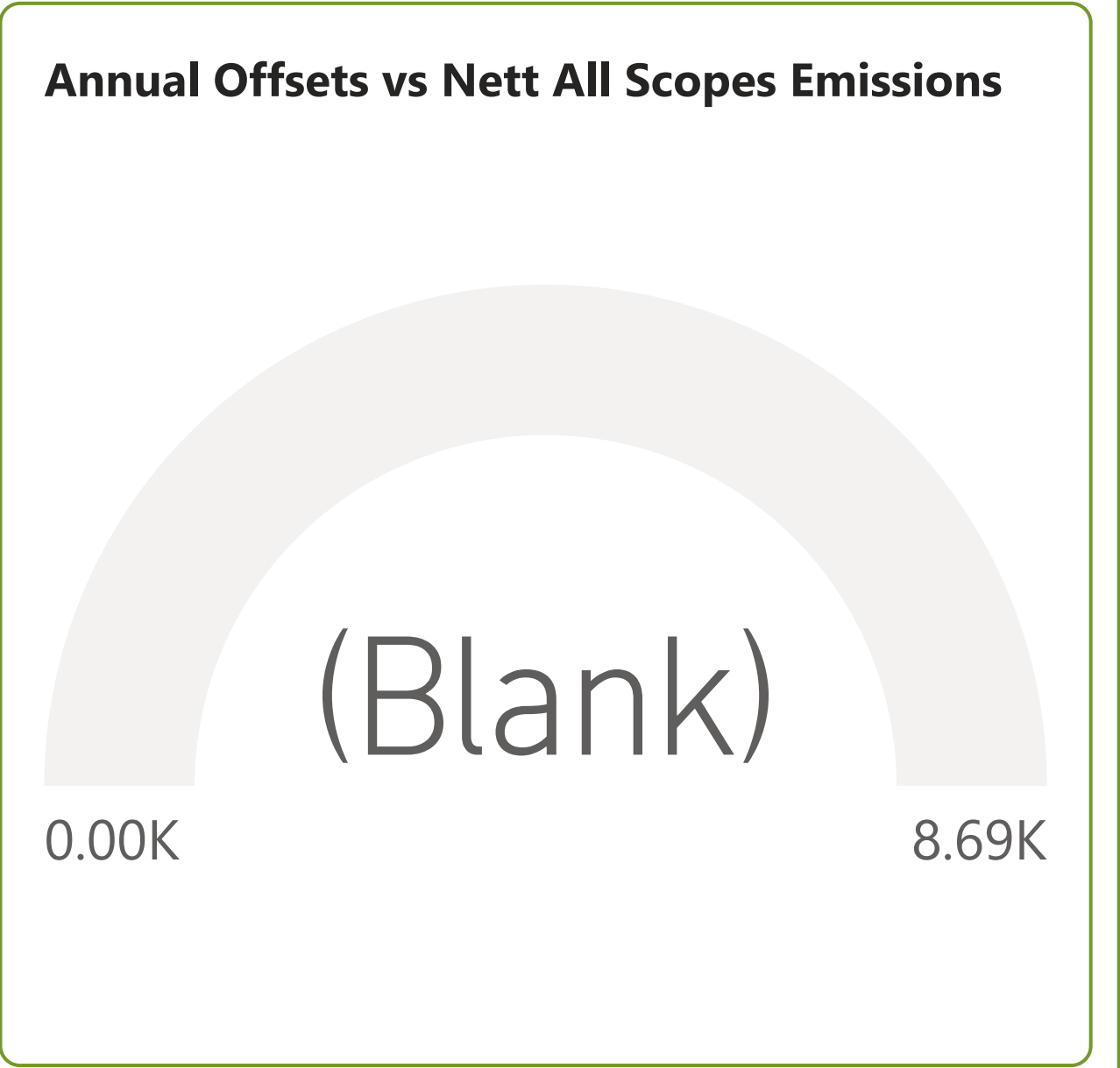
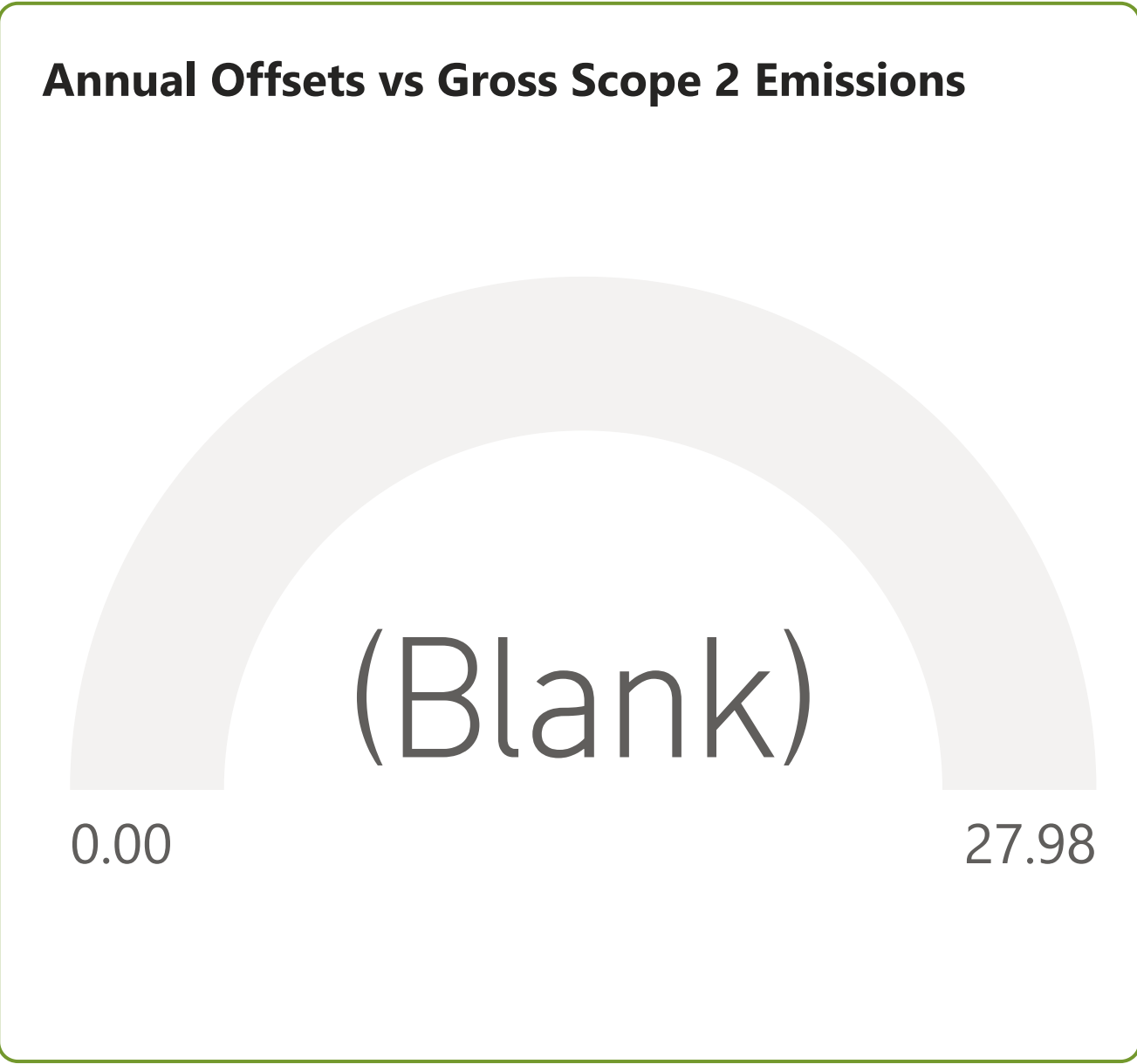
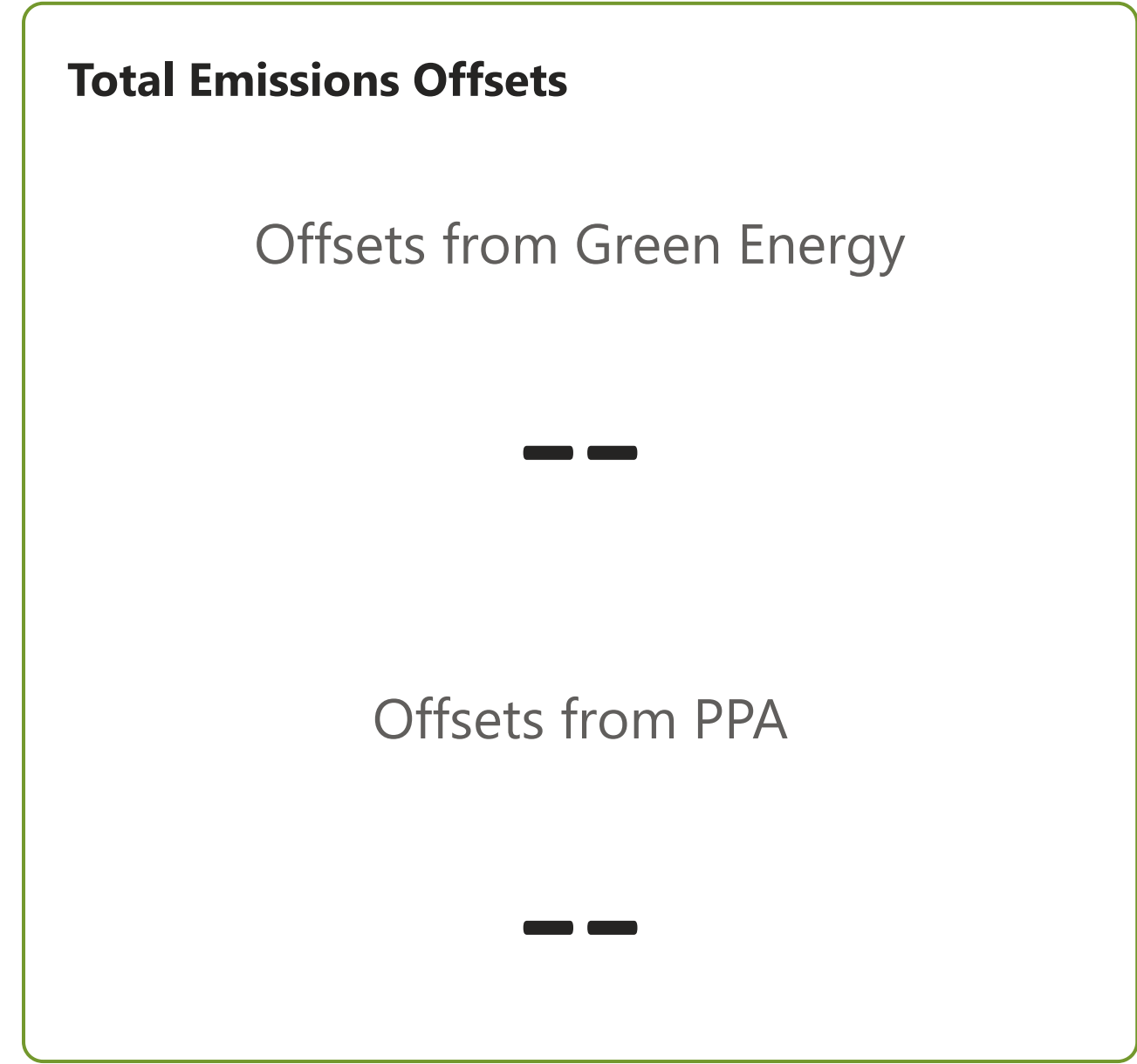
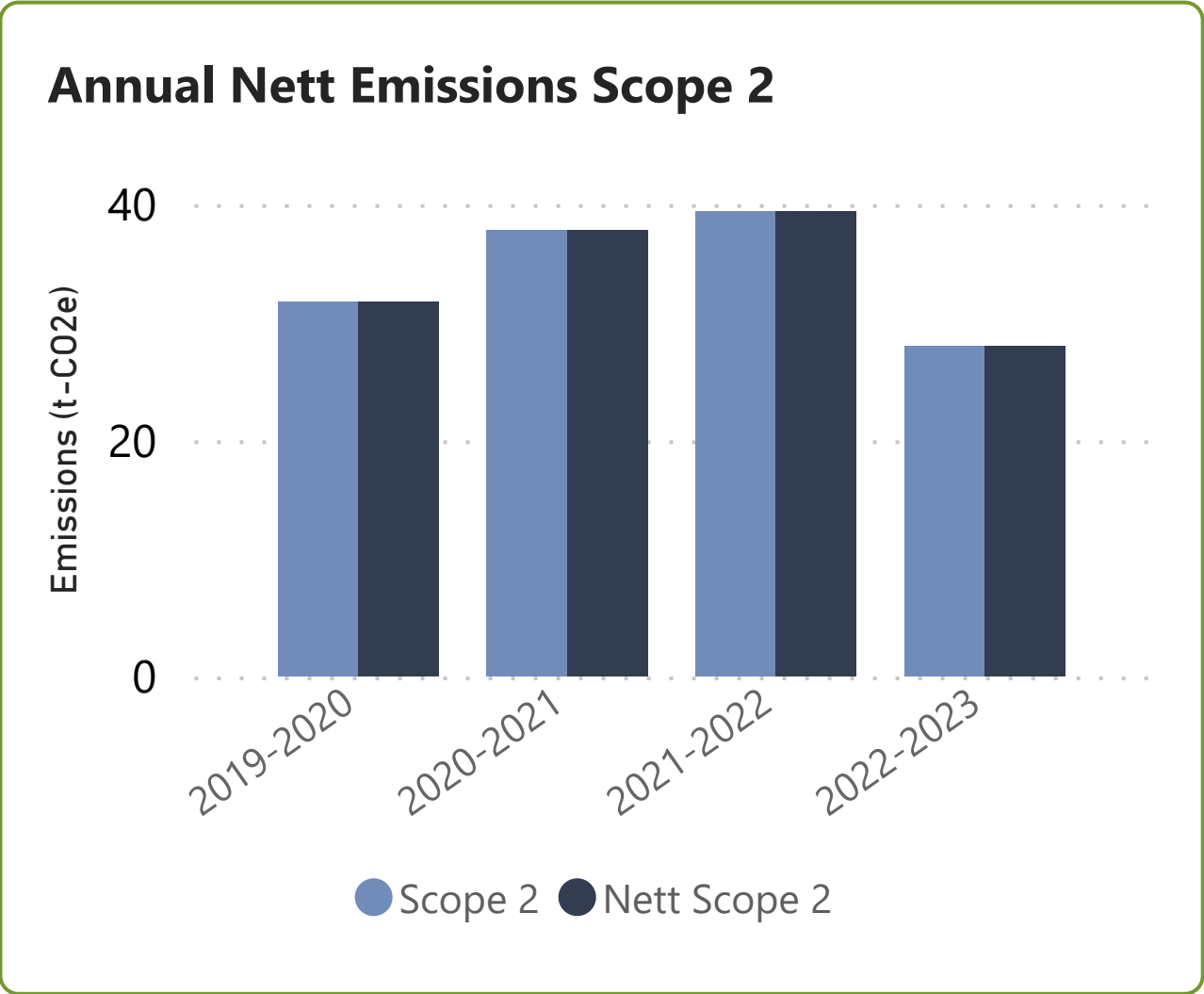
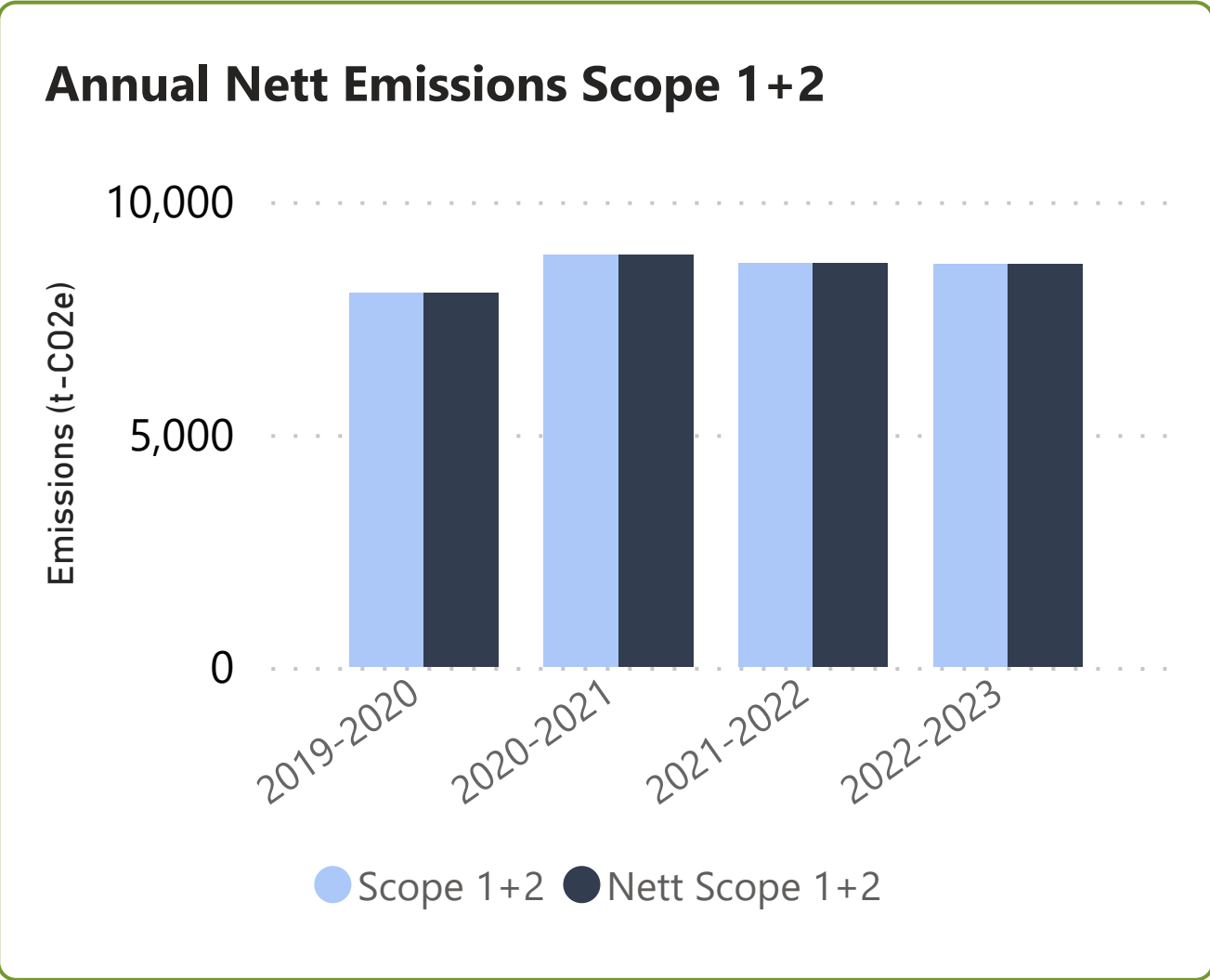
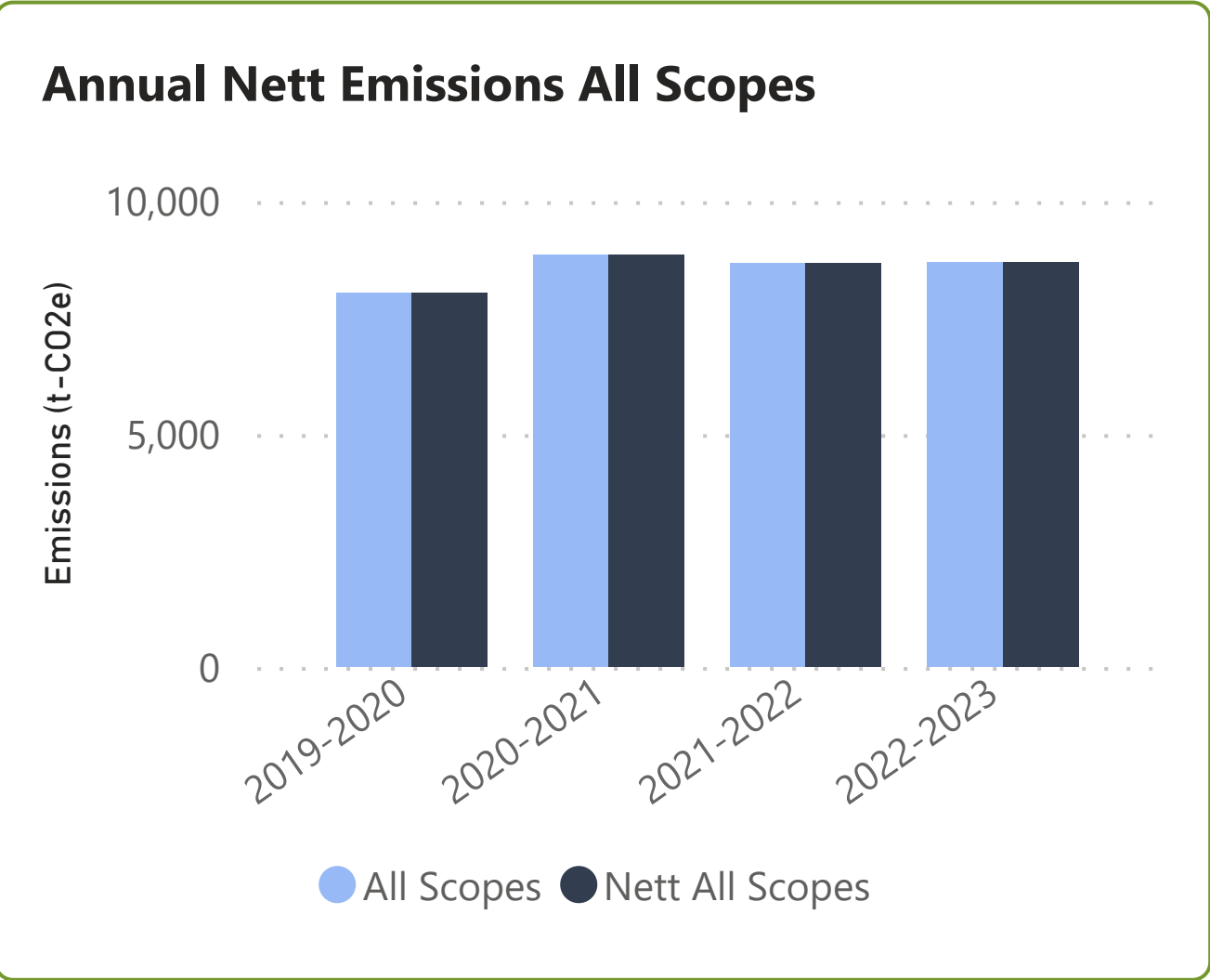


Assets with Biggest Usage Decreases

Asset Name	Usage (MJ)	Change (MJ)	Change (%)	Cost (\$)	Cost per MJ (\$)
Unknown asset	0.00	0.00		0.00	

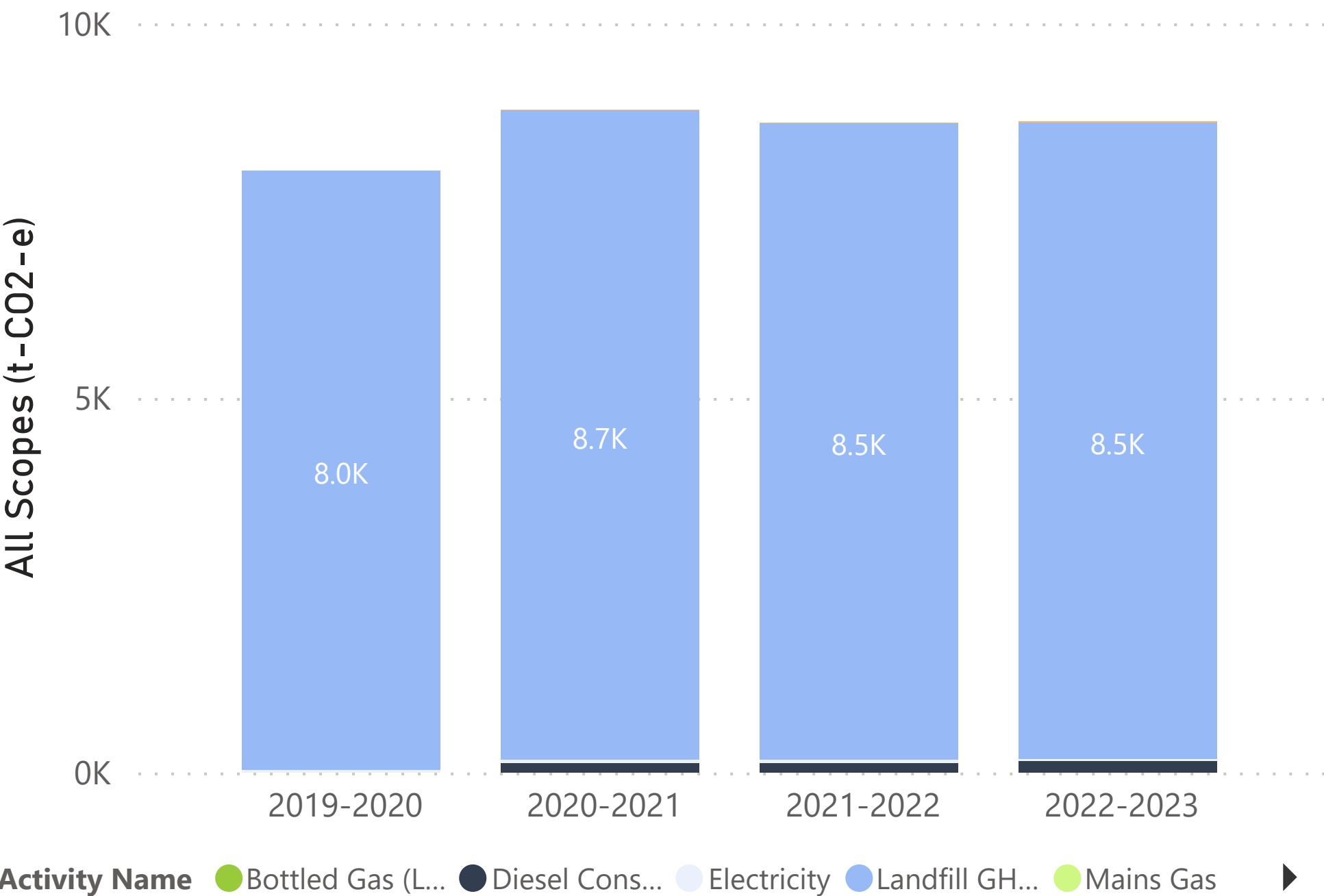
Assets with Biggest Cost Decreases

Asset Name	Usage (MJ)	Cost (\$)	Change (\$)	Change (%)	Cost per MJ (\$)
Unknown asset	0.00	0.00	0.00		



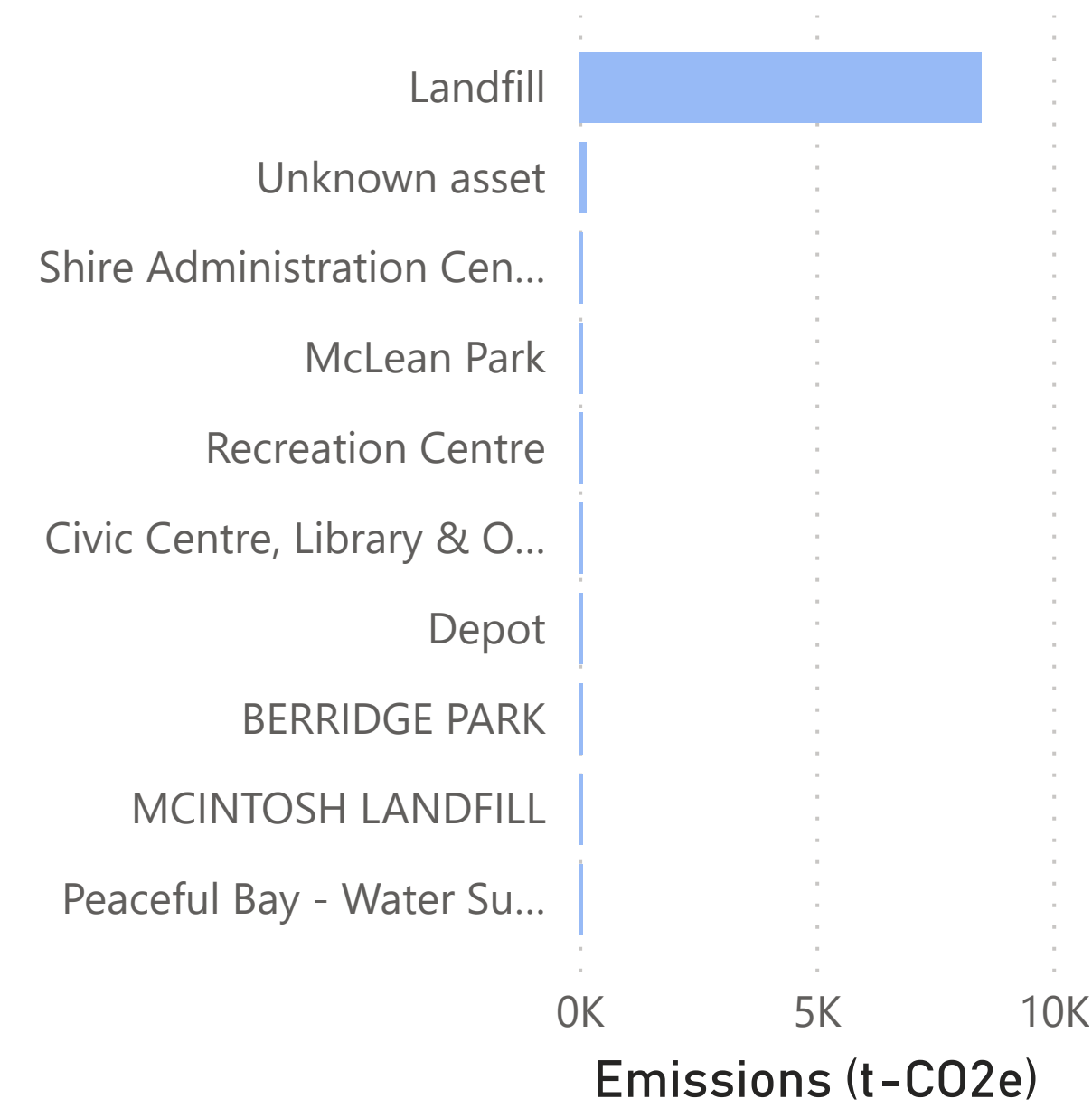
Financial Year	All Scopes (t-CO2e)	Nett All Scopes (t-CO2e)	YoY Change (%)	Scope 1+2 (t-CO2e)	Nett Scope 1+2 (t-CO2e)	YoY Change (%)	Offsets from Green Energy (t-CO2e)	Offsets from PPA (t-CO2e)	Total Scope 2 Offsets
2022-2023	8,687.30	8,687.30	0.19 ↑	8,652.41	8,652.41	-0.13 ↓			
2021-2022	8,671.20	8,671.20	-2.01 ↓	8,663.77	8,663.77	-2.01 ↓			
2020-2021	8,849.18	8,849.18	10.17 ↑	8,841.22	8,841.22	10.09 ↑			
2019-2020	8,032.56	8,032.56	29,984.48 ↑	8,030.72	8,030.72	32,125.99 ↑			

Emissions by Activity

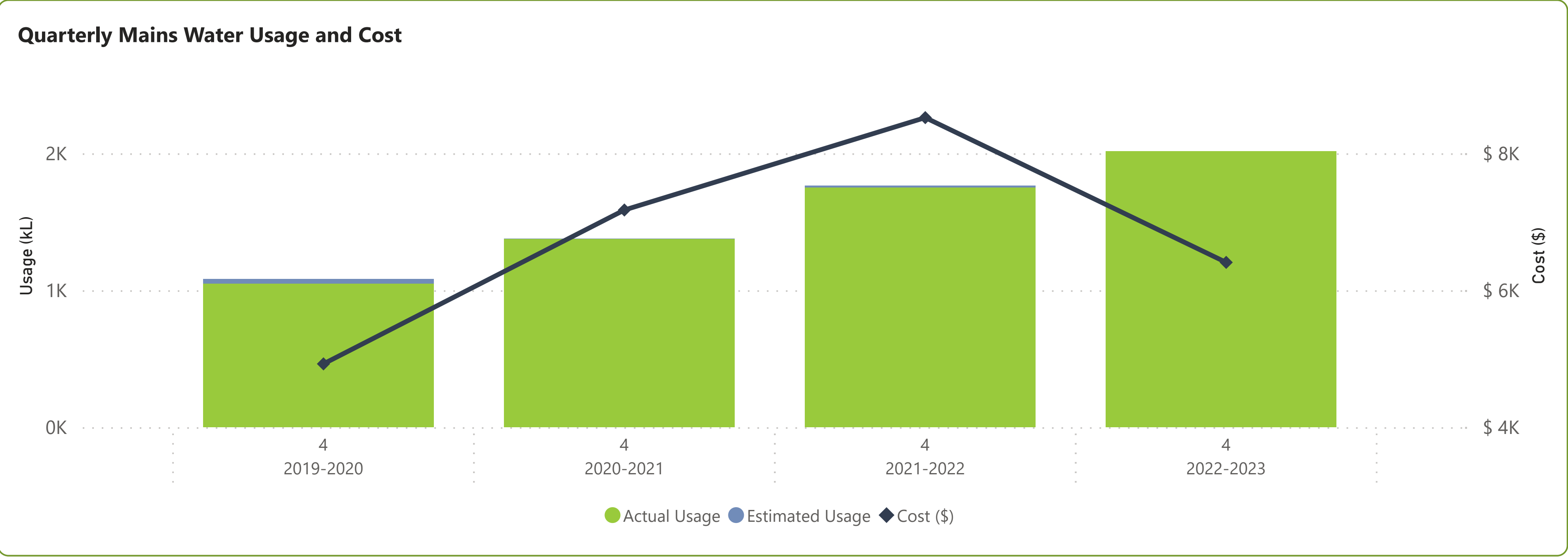
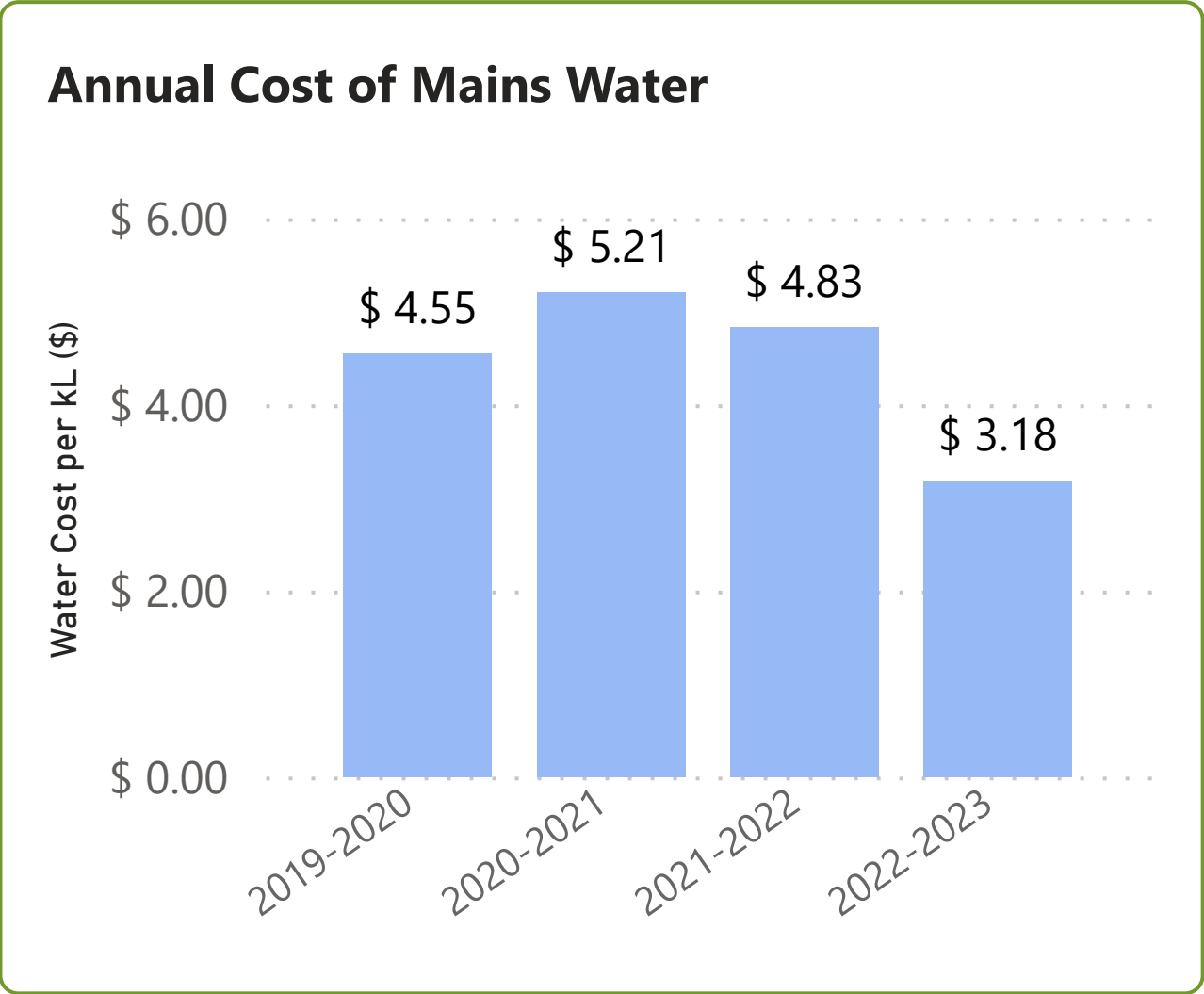
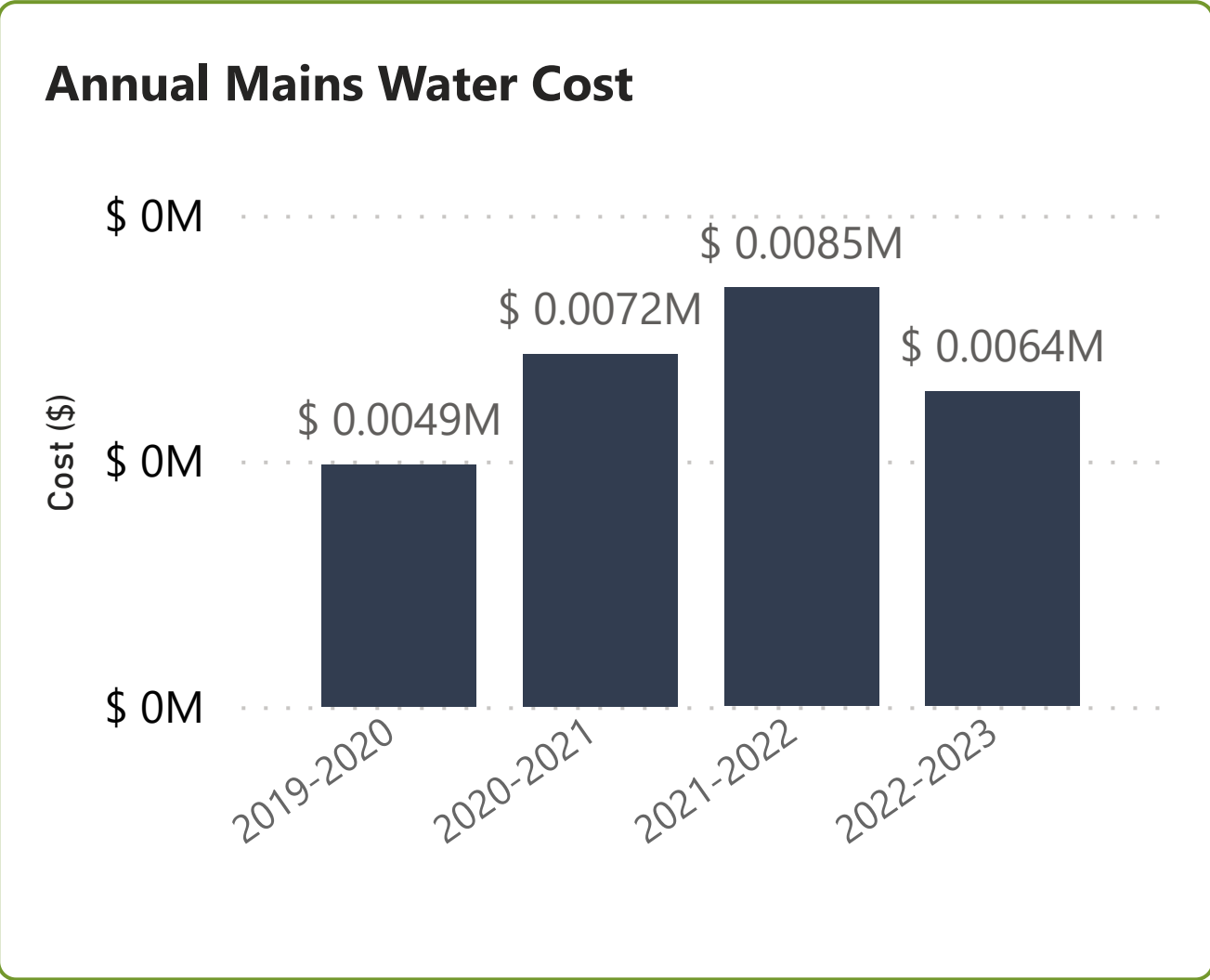
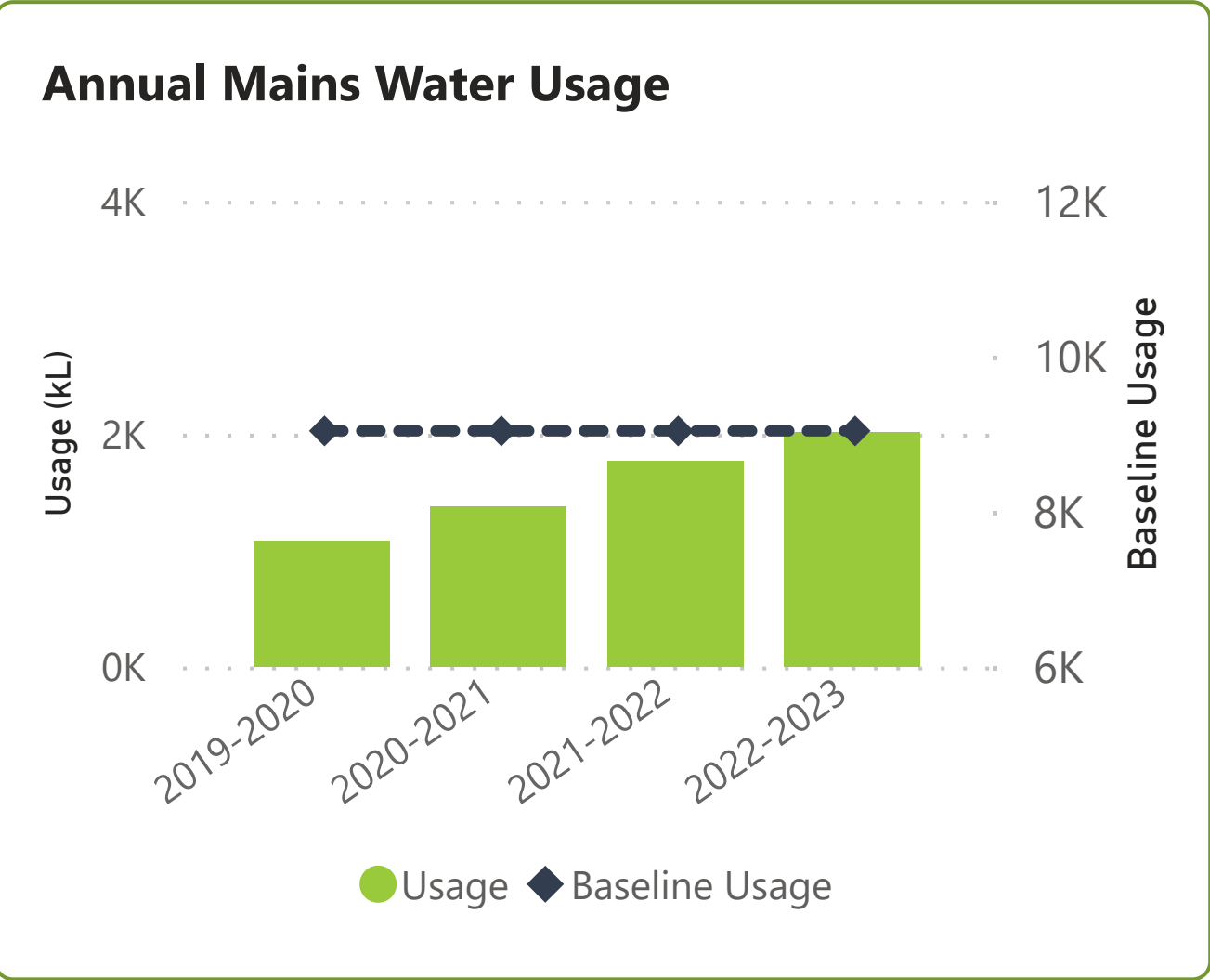


Activity Name	Gross All Scales	% of Total
Bottled Gas (LPG for stationary energy)	0.87	0.01%
Diesel Consumption (transport)	155.64	1.79%
Electricity	30.18	0.35%
Landfill GHG Emissions from Methane	8,491.00	97.74%
Mains Gas	0.00	0.00%
Unleaded Petrol Consumption (transport)	9.62	0.11%
Total	8,687.30	100.00%

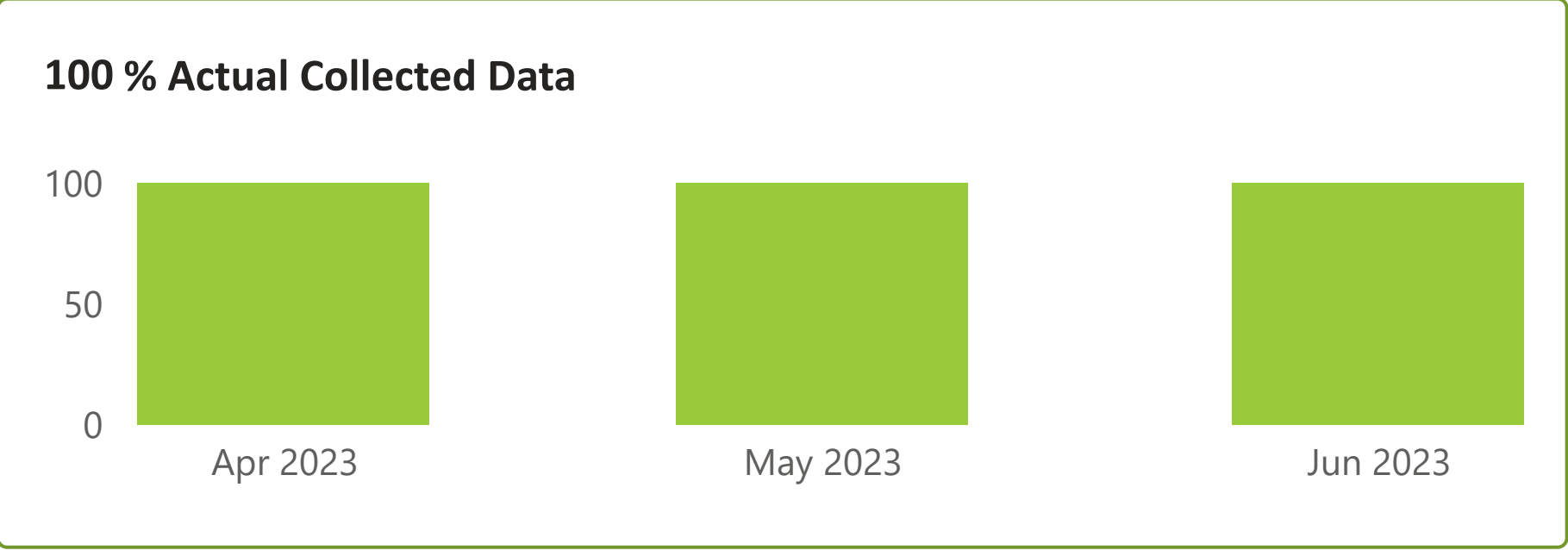
Top 10 Assets Emissions Performance



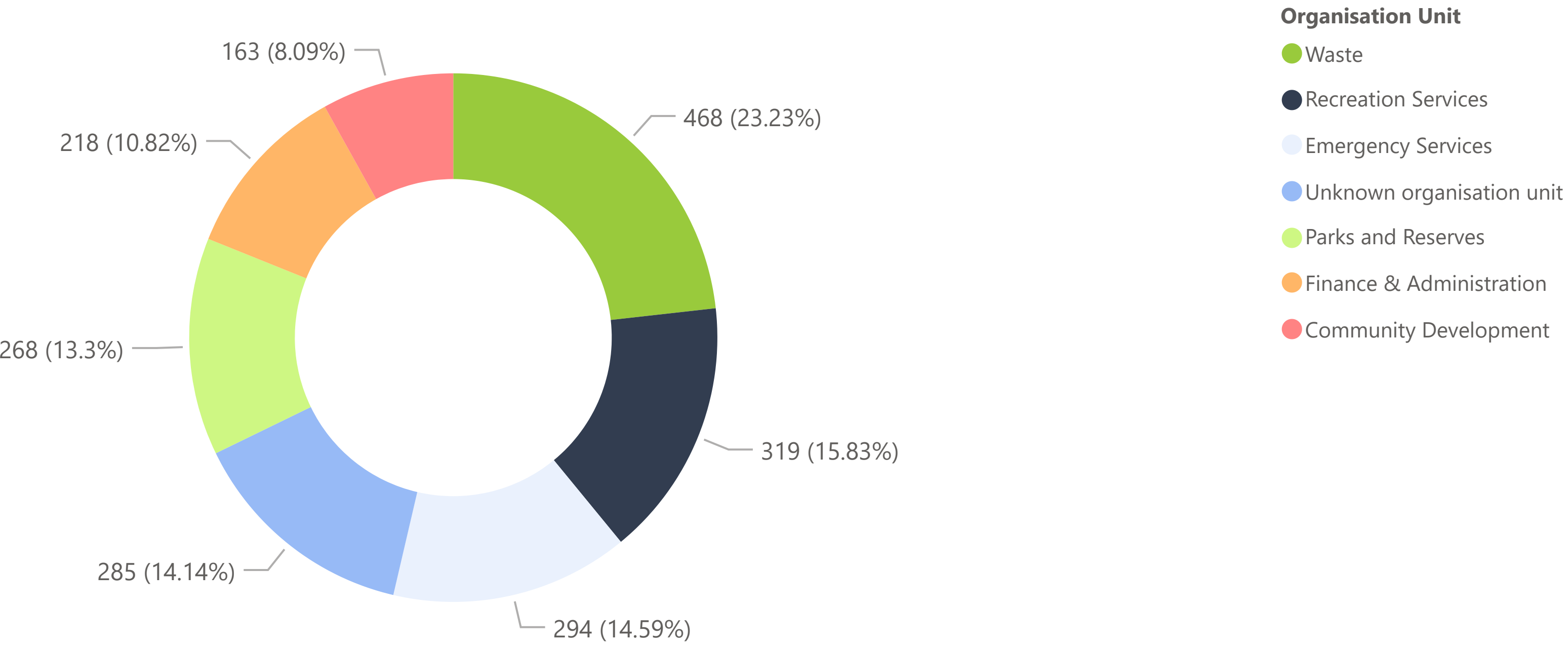
Asset Name	Scope 1+2	All Scales
Landfill	8,491.00	8,491.00
Unknown asset	133.43	166.12
Shire Administration Centre	6.81	7.35
McLean Park	5.37	5.79
Recreation Centre	5.33	5.74
Civic Centre, Library & Old Resource Centre	2.47	2.66
Depot	2.24	2.42
BERRIDGE PARK	0.83	0.89
MCINTOSH LANDFILL	0.62	0.67
Peaceful Bay - Water Supply Pump Shed	0.56	0.61



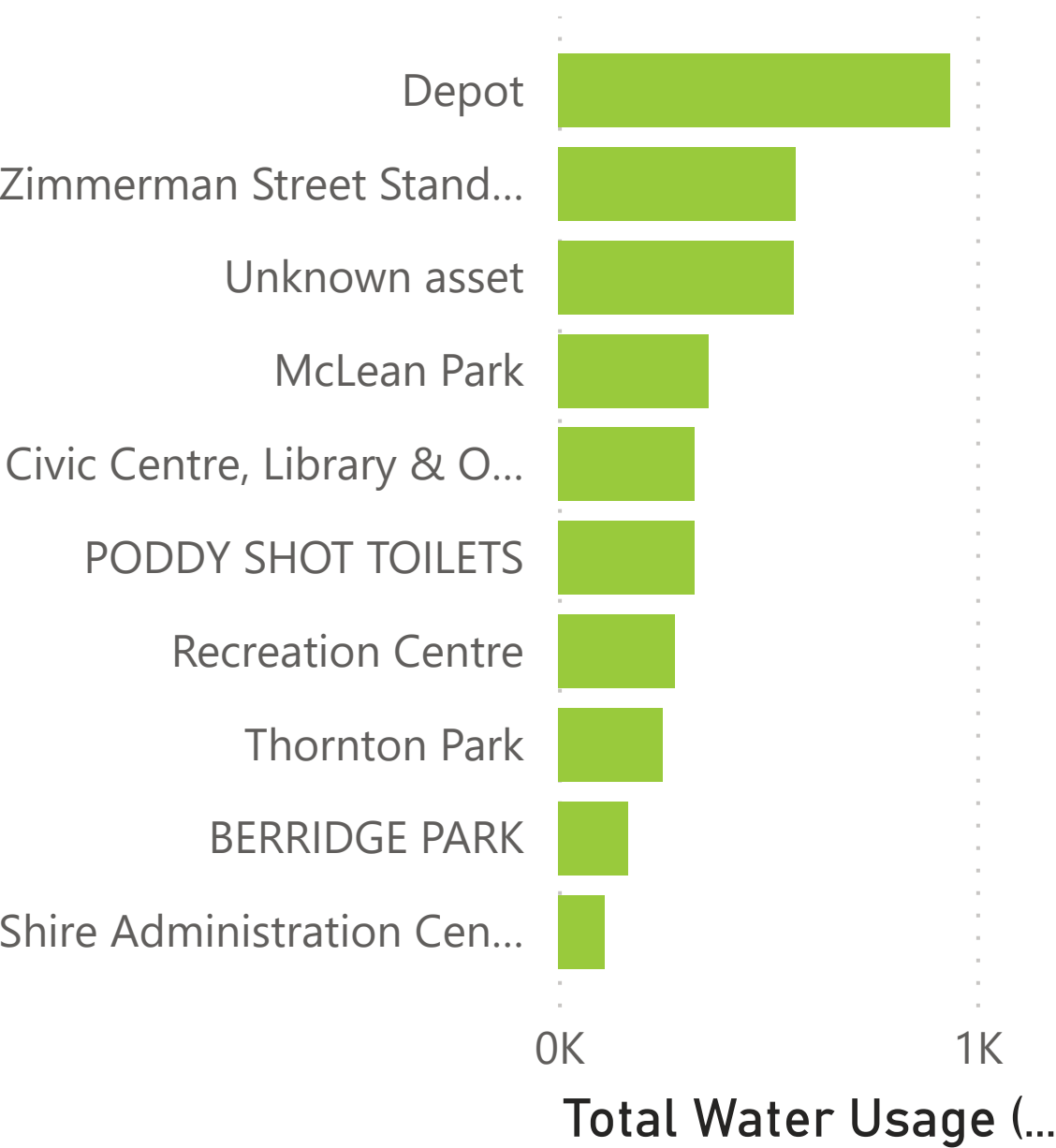
Financial Year	Usage (kL)	YoY Change (%)	Cost (\$)	YoY Cost Change (%)
2022-2023	2,015	14.23 ↑	\$ 6,407	-24.81 ↓
2021-2022	1,764	28.10 ↑	\$ 8,521	18.81 ↑
2020-2021	1,377	27.26 ↑	\$ 7,172	45.62 ↑
2019-2020	1,082	-46.52 ↓	\$ 4,925	-36.95 ↓



Mains Water Usage by Organisation Units



Top 10 Assets Mains Water Performance



Asset Name	Cost (\$)	Cost per kL (\$)
Zimmerman Street Standpipe	\$ 1,550	\$ 5.46
Depot	\$ 1,185	\$ 2.53
Civic Centre, Library & Old Resource Centre	\$ 672	\$ 4.12
Unknown asset	\$ 670	\$ 2.38
McLean Park	\$ 449	\$ 2.49
Thornton Park	\$ 407	\$ 3.26
Recreation Centre	\$ 367	\$ 2.64
PODDY SHOT TOILETS	\$ 339	\$ 2.08
BERRIDGE PARK	\$ 292	\$ 3.52
Shire Administration Centre	\$ 174	\$ 3.16
Total	\$ 6,105	\$ 3.15

Assets with Biggest Usage Increases

Asset Name	Usage (kL)	Change (kL) ▼	Change (%)	Cost (\$)	Cost per kL (\$)
Unknown asset	281.00	281.00		670.00	2.38
PODDY SHOT TOILETS	163.00	136.00	503.70	339.00	2.08
McLean Park	180.00	94.00	109.30	449.00	2.49
Thornton Park	125.00	68.00	119.30	407.00	3.26
Recreation Centre	139.00	18.00	14.88	367.00	2.64
Shire Administration Centre	55.00	14.00	34.15	174.00	3.16
BERRIDGE PARK	83.00	9.00	12.16	292.00	3.52
Roman Garden	4.00	4.00		7.00	1.75
OCEAN BEACH BUSH FIRE BRIGADE	3.00	3.00		6.00	2.00
South Coast Highway/Strickland Street Median Strip	3.00	3.00		5.00	1.67

Assets with Biggest Cost Increases

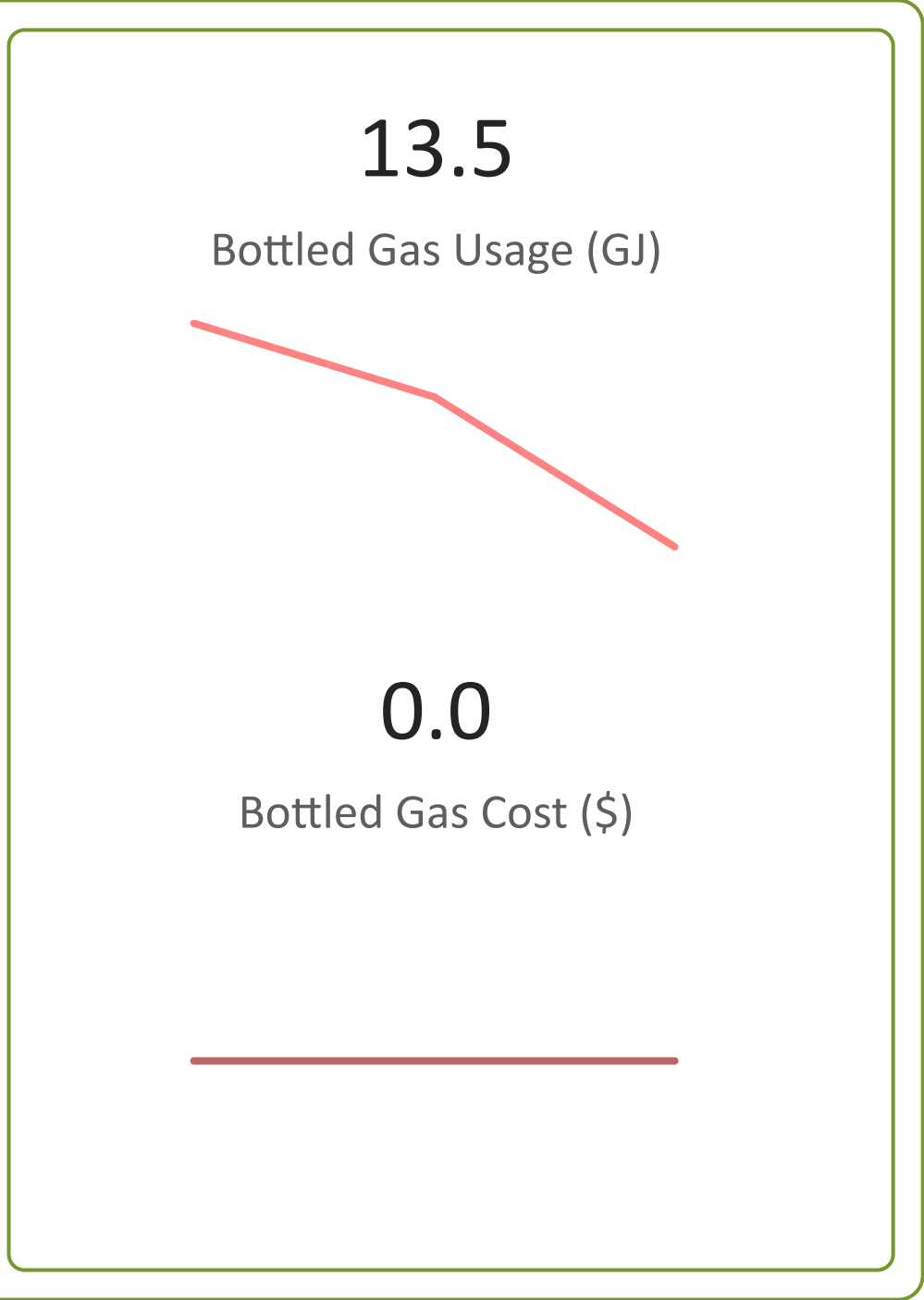
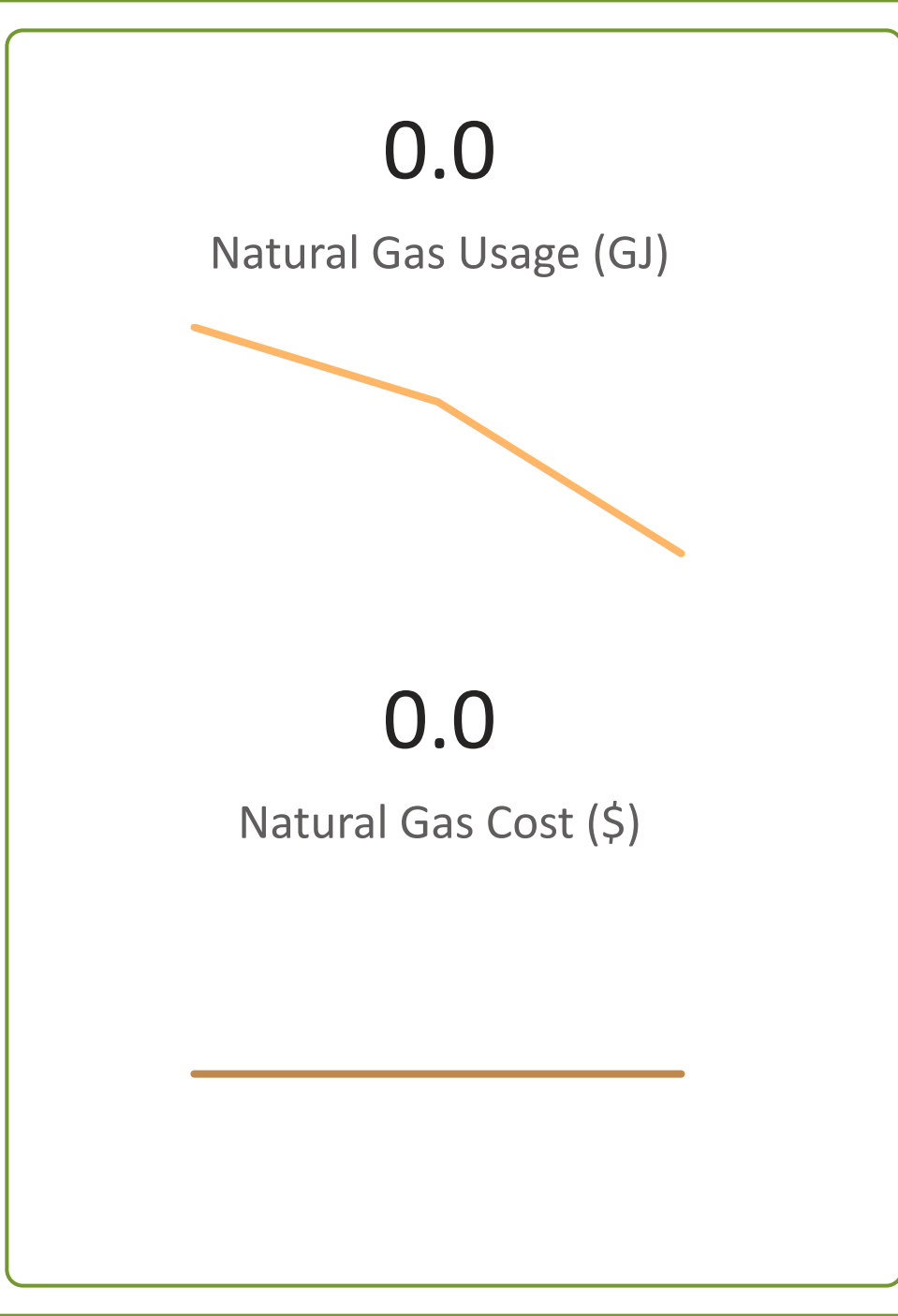
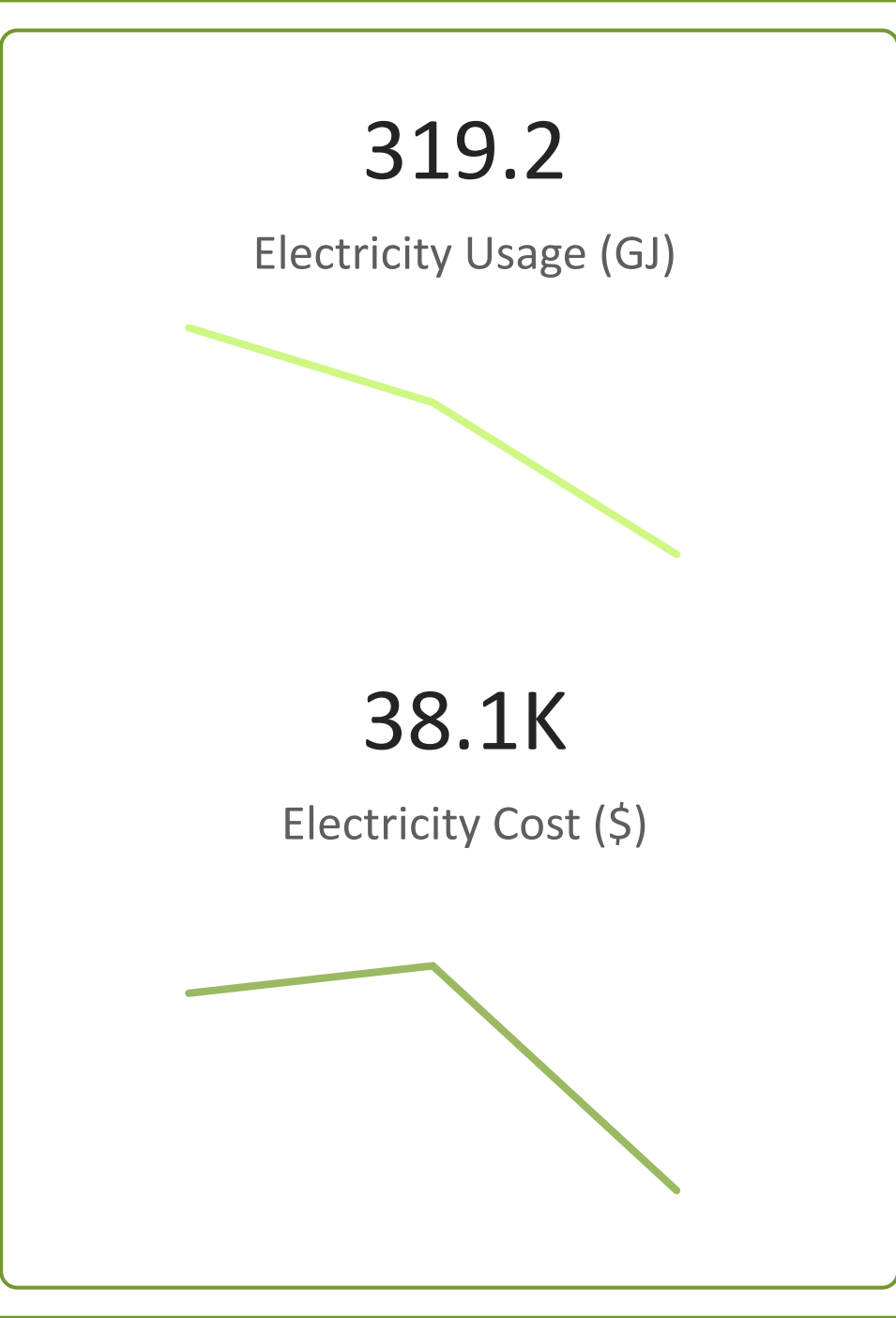
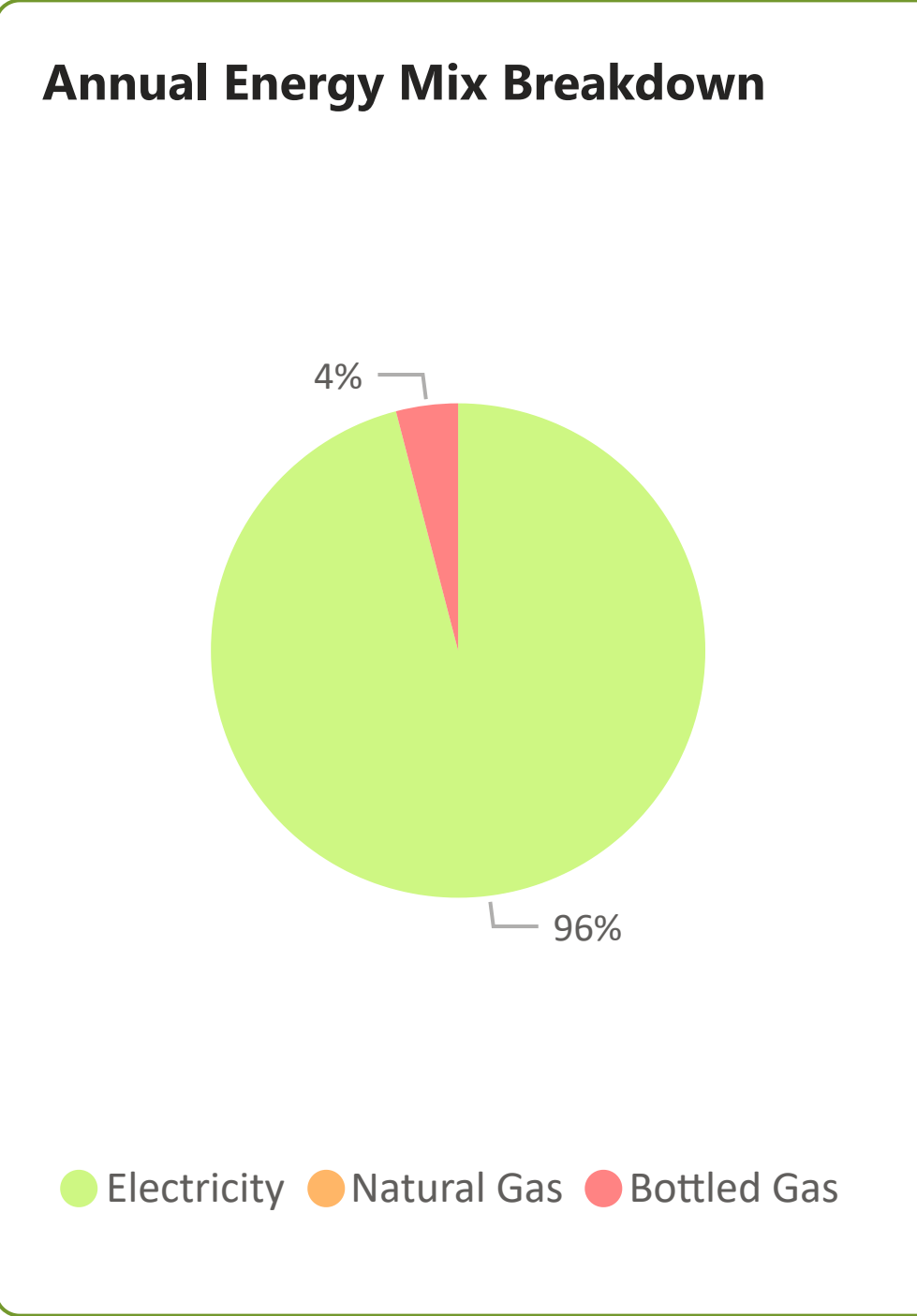
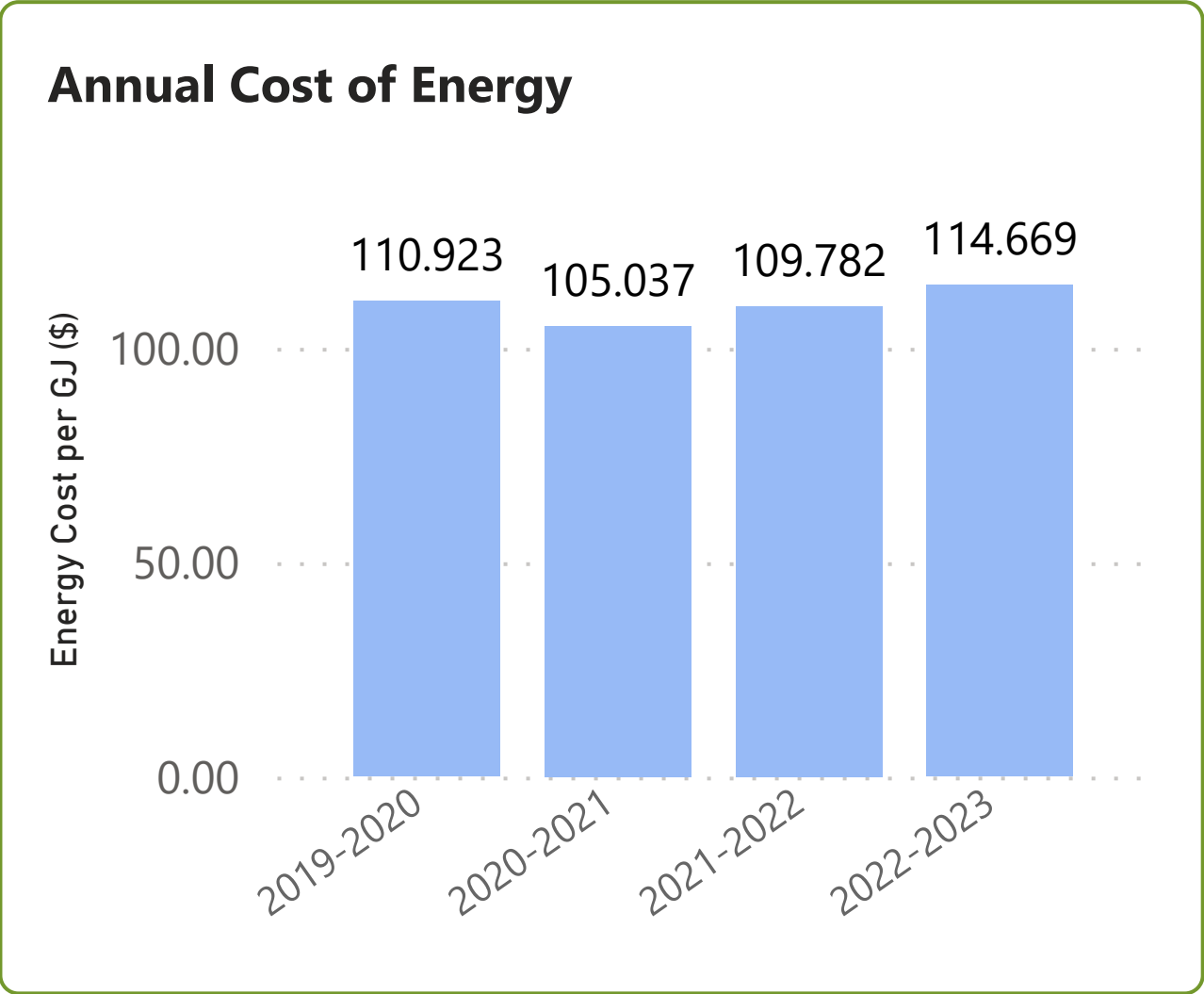
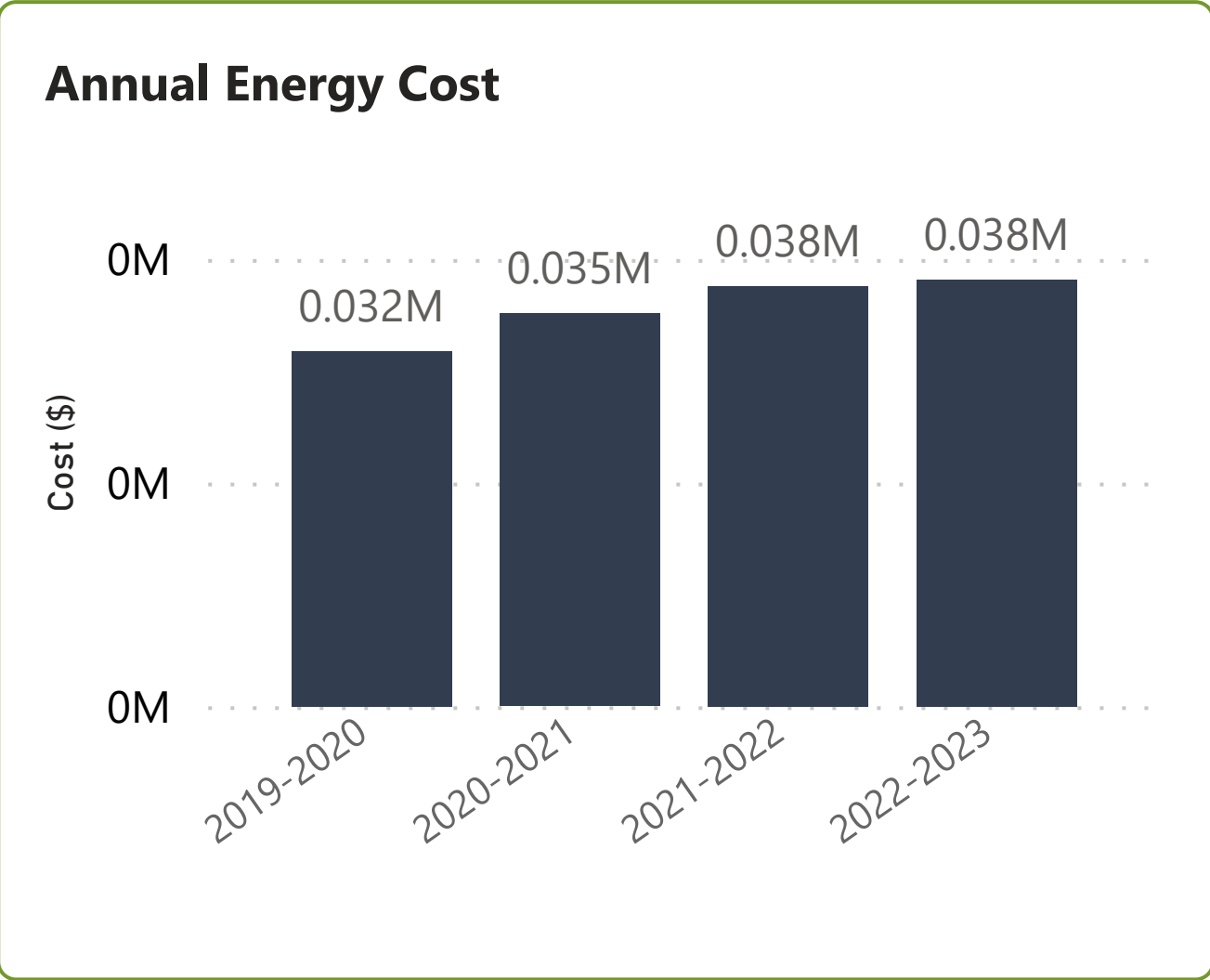
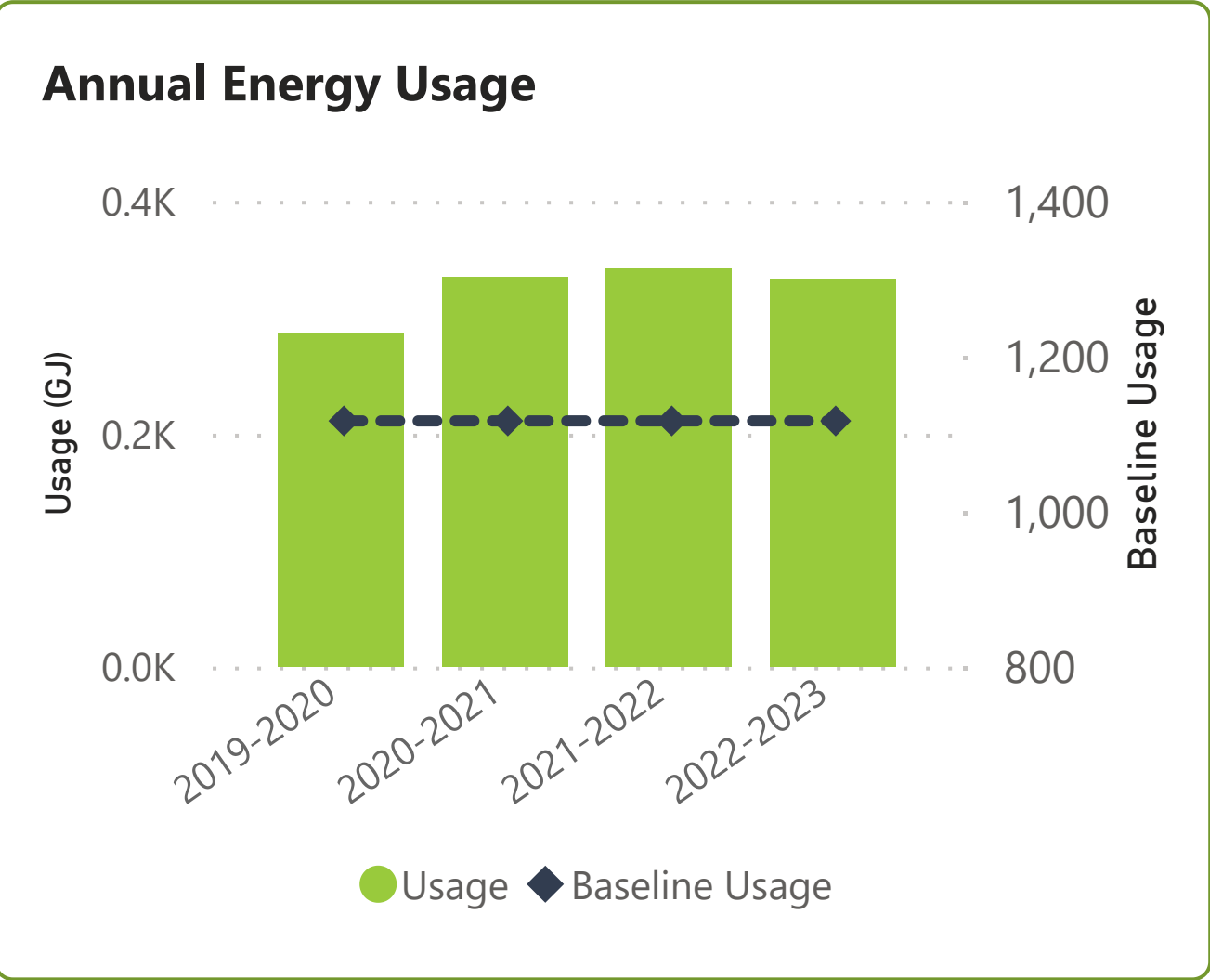
Asset Name	Usage (kL)	Cost (\$)	Change (\$) ▼	Change (%)	Cost per kL (\$)
Unknown asset	281.00	670.00	670.00		2.38
PODDY SHOT TOILETS	163.00	339.00	275.00	429.69	2.08
McLean Park	180.00	449.00	216.00	92.70	2.49
Thornton Park	125.00	407.00	42.00	11.51	3.26
Visitor Centre Trade Waste Dump Point	0.00	60.00	20.00	50.00	
Ocean Beach Road Standpipe	7.00	8.00	8.00		1.14
Roman Garden	4.00	7.00	7.00		1.75
OCEAN BEACH BUSH FIRE BRIGADE	3.00	6.00	6.00		2.00
Strickland/Barnett Streets Median Strip	2.00	6.00	6.00		3.00
South Coast Highway/Strickland Street Median Strip	3.00	5.00	5.00		1.67

Assets with Biggest Usage Decreases

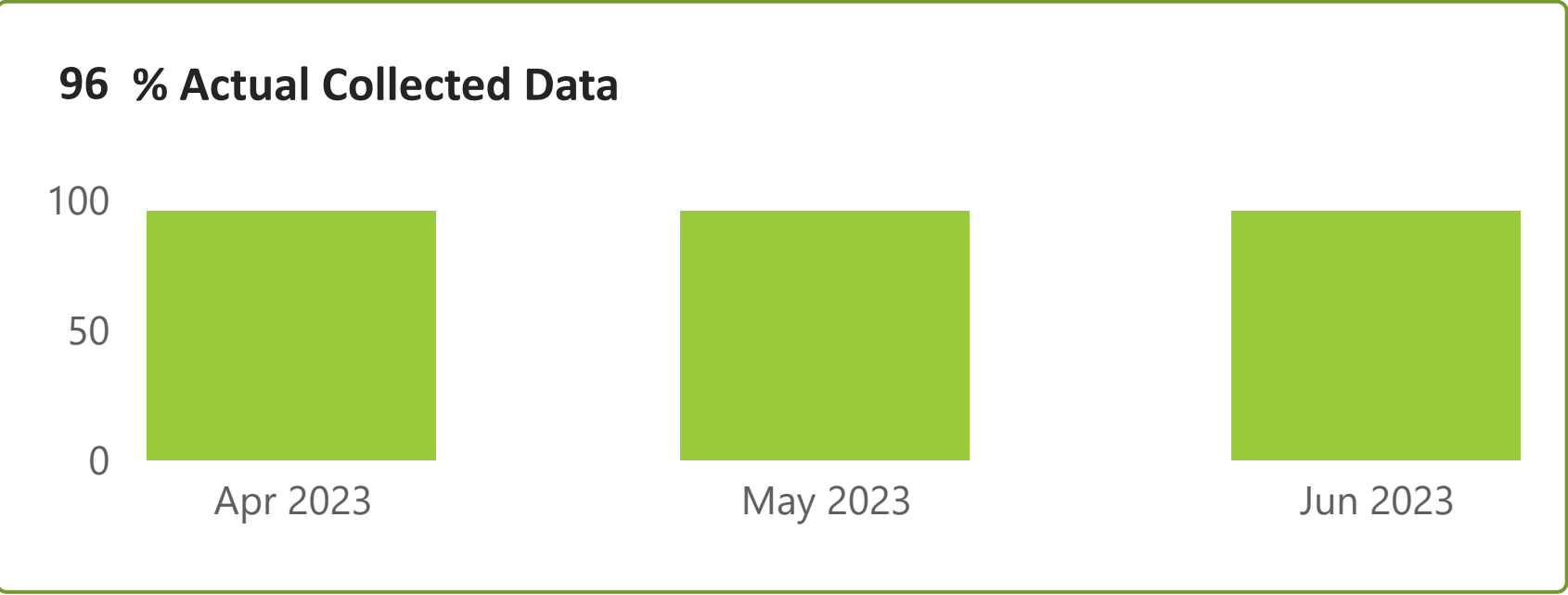
Asset Name	Usage (kL)	Change (kL)	Change (%)	Cost (\$)	Cost per kL (\$)
Depot	468.00	-186.00	-28.44	1,185.00	2.53
Strickland Street Median Strip	9.00	-65.00	-87.84	21.00	2.33
Civic Centre, Library & Old Resource Centre	163.00	-52.00	-24.19	672.00	4.12
Zimmerman Street Standpipe	284.00	-39.00	-12.07	1,550.00	5.46
Kwoorabup Community Park	27.00	-17.00	-38.64	145.00	5.37
Cemetery	2.00	-13.00	-86.67	4.00	2.00
Randall Park	16.00	-6.00	-27.27	36.00	2.25
Ocean Beach Road Standpipe	7.00	-3.00	-30.00	8.00	1.14
Prawn Rock Channel - tap and drinking fountain	0.00	-1.00	-100.00	0.00	
BANDSTAND RESERVE	0.00	0.00		0.00	
Denbarker Road Standpipe	0.00	0.00		1.00	

Assets with Biggest Cost Decreases

Asset Name	Usage (kL)	Cost (\$)	Change (\$)	Change (%)	Cost per kL (\$)
Zimmerman Street Standpipe	284.00	1,550.00	-1,819.00	-53.99	5.46
Depot	468.00	1,185.00	-599.00	-33.58	2.53
Civic Centre, Library & Old Resource Centre	163.00	672.00	-425.00	-38.74	4.12
Strickland Street Median Strip	9.00	21.00	-181.00	-89.60	2.33
Kwoorabup Community Park	27.00	145.00	-148.00	-50.51	5.37
BERRIDGE PARK	83.00	292.00	-84.00	-22.34	3.52
Recreation Centre	139.00	367.00	-37.00	-9.16	2.64
Cemetery	2.00	4.00	-35.00	-89.74	2.00
Randall Park	16.00	36.00	-27.00	-42.86	2.25
Shire Administration Centre	55.00	174.00	-13.00	-6.95	3.16



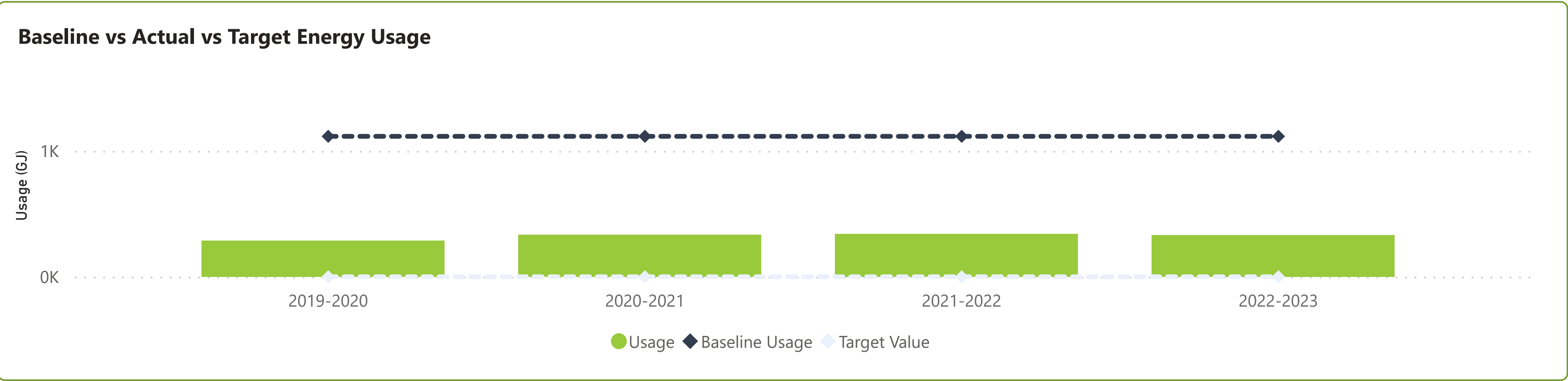
Financial Year	Usage (GJ)	YoY Change (%)	Cost (\$)	YoY Cost Change (%)
2022-2023	332.65	-2.86 ↓	38,145.00	1.47 ↑
2021-2022	342.43	2.38 ↑	37,593.00	7.01 ↑
2020-2021	334.47	16.78 ↑	35,132.00	10.58 ↑
2019-2020	286.42	19.71 ↑	31,770.00	20.43 ↑



Switch to Target Year Option

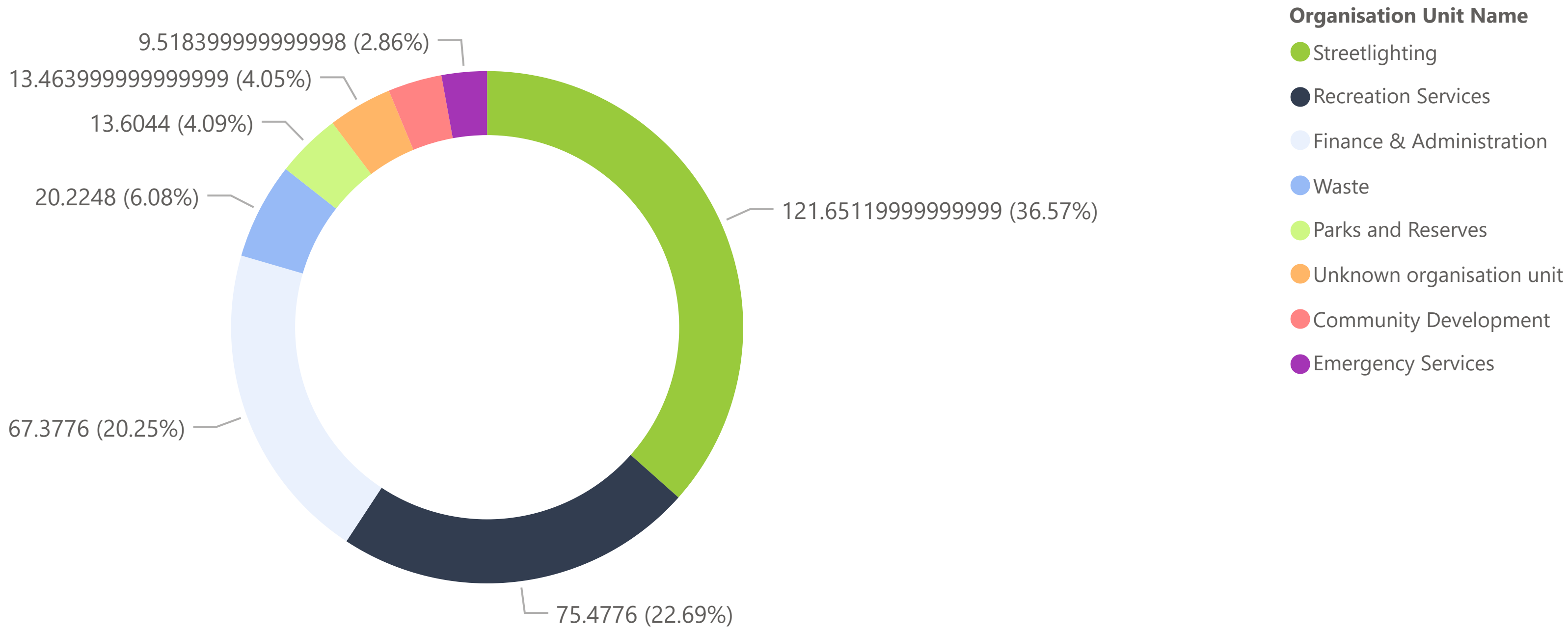
Target Value

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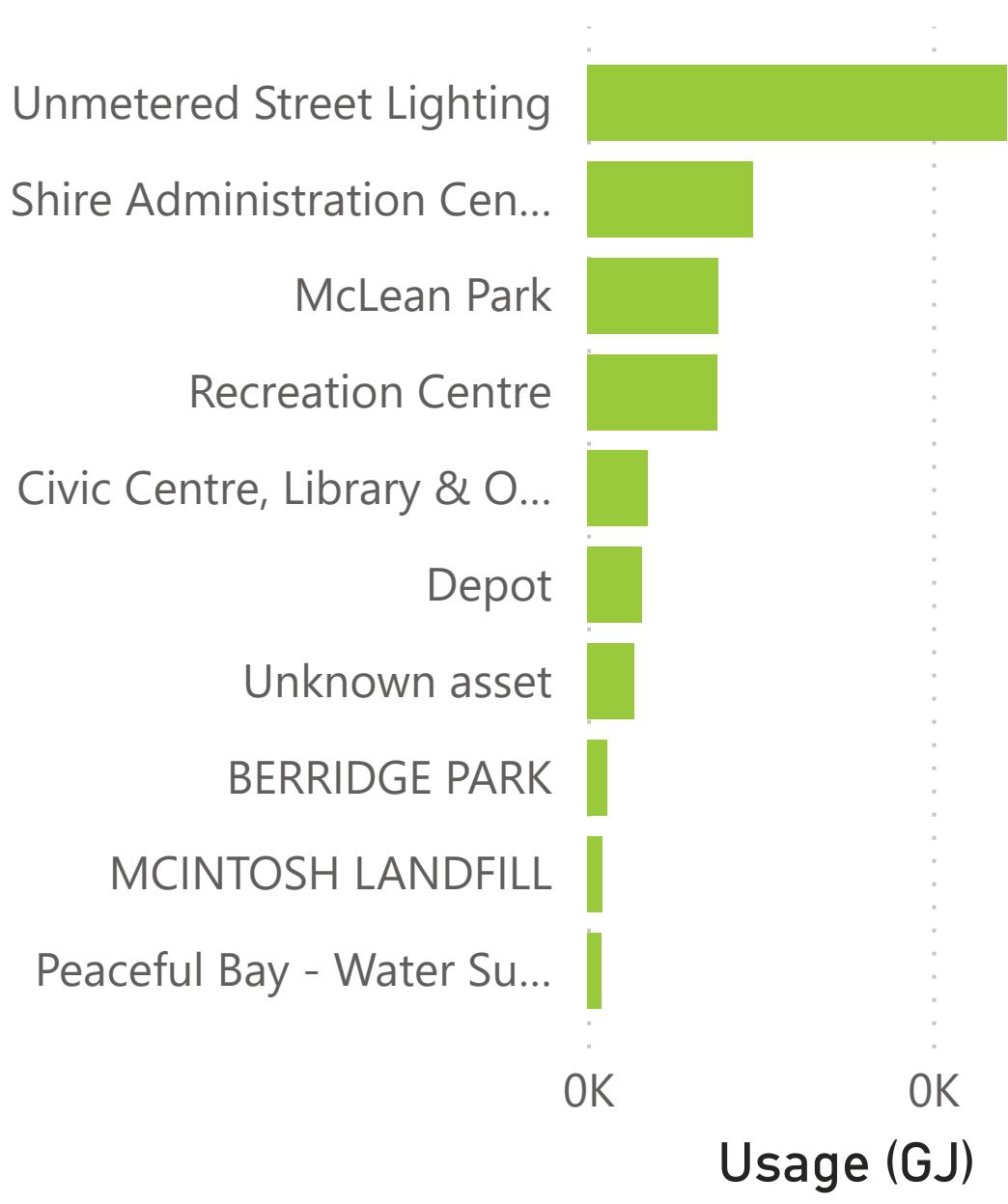


Financial Year	Usage (GJ)	Change (%)	Baseline Usage (GJ)	Target Value (GJ)	Cost (\$)	Cost Change (%)
+ 2022-2023	332.65	-2.86 ↓	1,116.53	0	38,145.00	1.47 ↑
+ 2021-2022	342.43	2.38 ↑	1,116.53	0	37,593.00	7.01 ↑
+ 2020-2021	334.47	16.78 ↑	1,116.53	0	35,132.00	10.58 ↑
+ 2019-2020	286.42	19.71 ↑	1,116.53	0	31,770.00	20.43 ↑

Energy Usage by Organisation Units



Top 10 Assets Energy Performance



Asset Name	Cost (\$)	Cost per GJ (\$)
Unmetered Street Lighting	17,994.00	147.91
Shire Administration Centre	4,441.00	92.34
McLean Park	3,159.00	83.40
Recreation Centre	3,138.00	83.45
Civic Centre, Library & Old Resource Centre	1,541.00	88.37
Depot	1,412.00	89.28
BERRIDGE PARK	623.00	106.50
MCINTOSH LANDFILL	510.00	115.65
Peaceful Bay - Water Supply Pump Shed	474.00	119.26
Unknown asset	0.00	0.00