



Shire of Denmark

Quarterly Performance Review

Quarter Two

October 2022 - December 2022



## Agenda



### **Emissions Overview**

Overview of emissions profile, how the council is progressing and the impacts of the WALGA PPA

### **Energy Overview**

Overview of energy cost and consumption as well as assets with the largest increases and decreases since the same time last year.

### **Water Overview**

Overview of water consumption as well as assets with the largest increases and decreases since the same time last year.

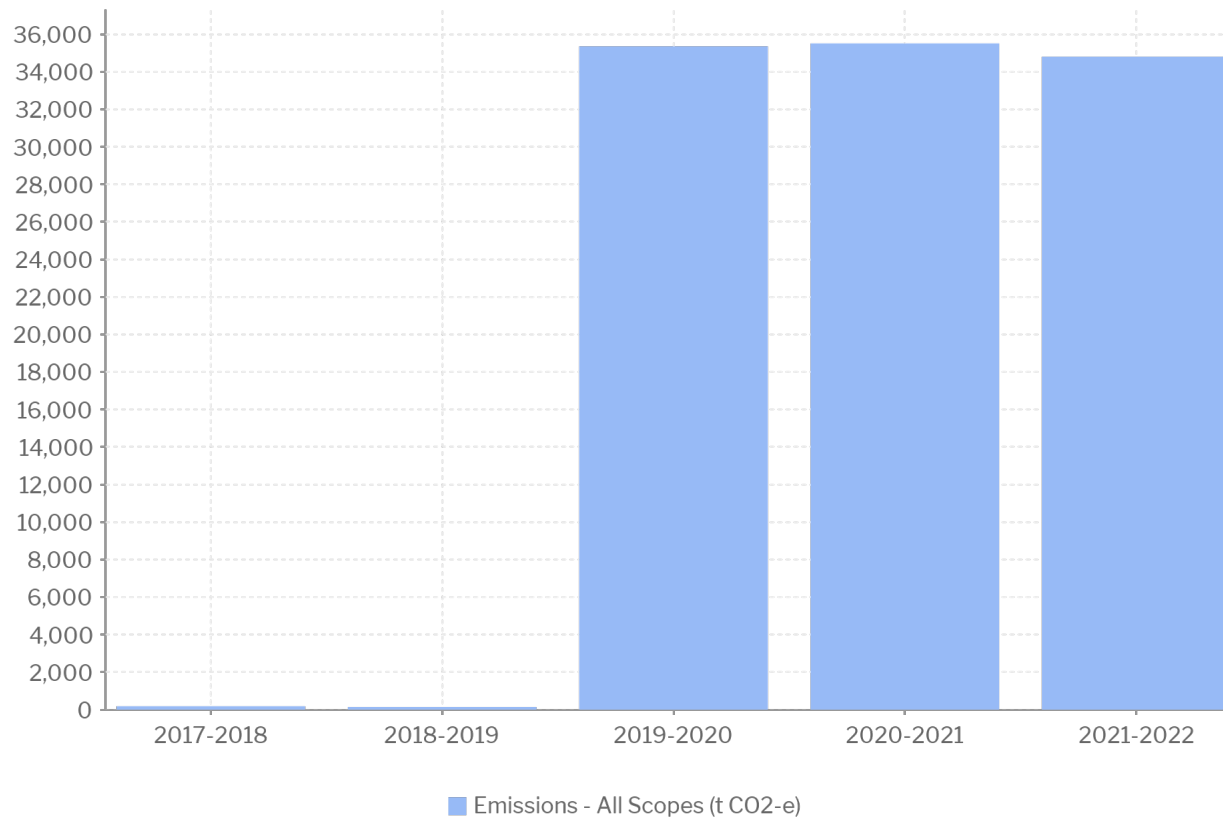




## Annual Emissions All Scopes



A summary of the last five **complete** financial years of emissions data from all scopes.

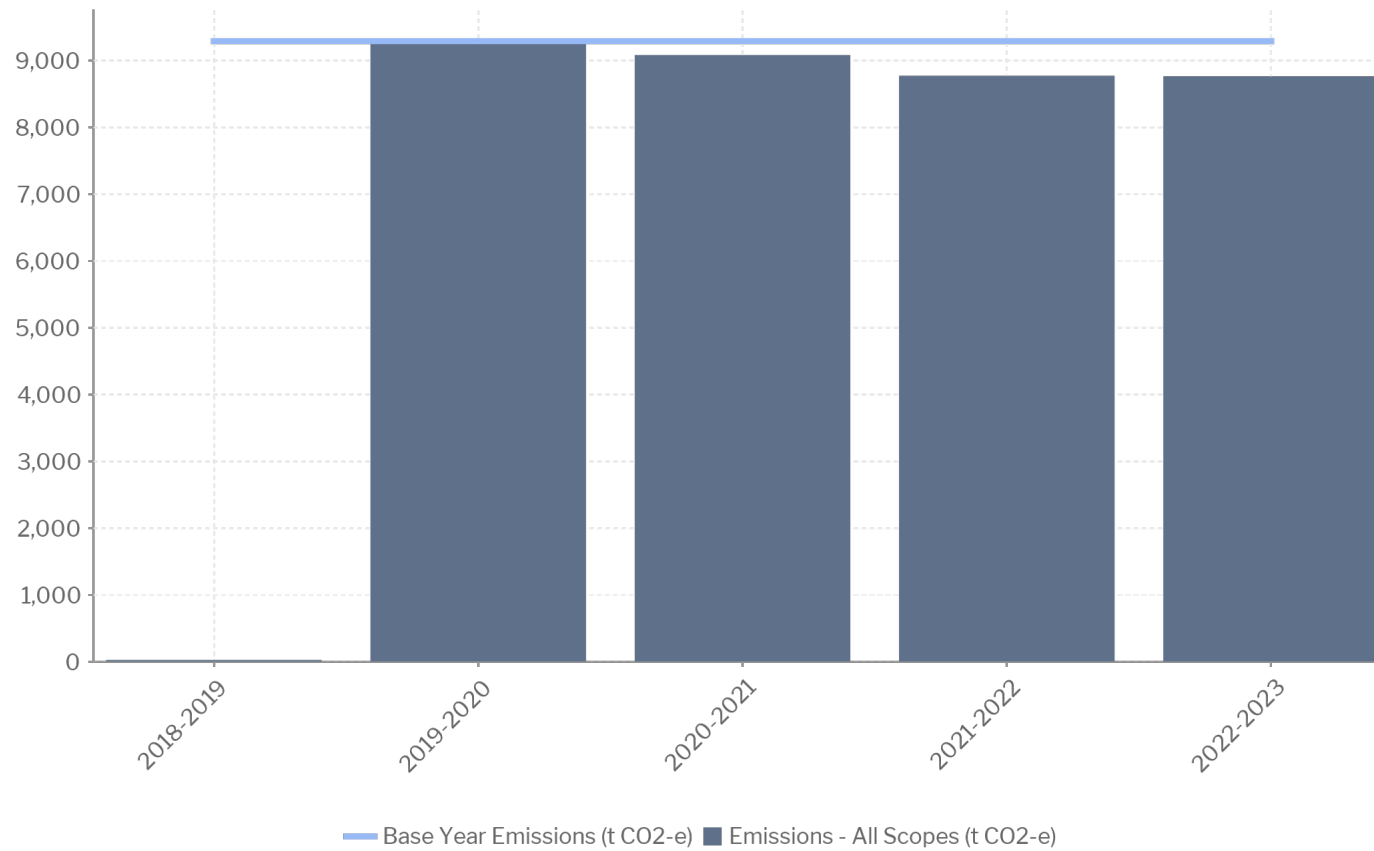




## Emissions All Scopes



A snapshot of the current quarter's emission data (all scopes) compared to the same period in previous financial years

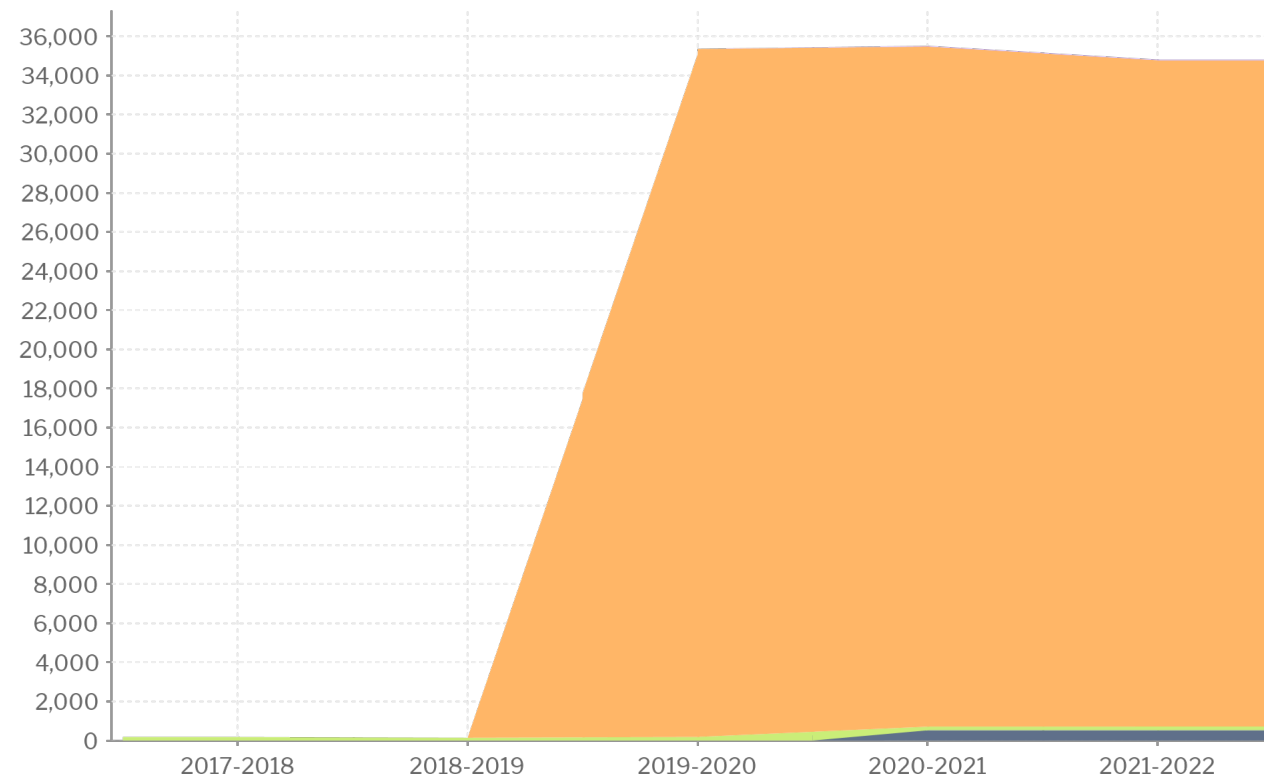




## Emissions by Activity



Total emissions for the last five **complete** financial years, separated by activity (source of emissions)



Activity Name: ■ Bottled Gas (LPG for stationary energy) ■ Diesel Consumption (transport) ■ Electricity  
■ Landfill GHG Emissions from Methane ■ Petrol (transport)

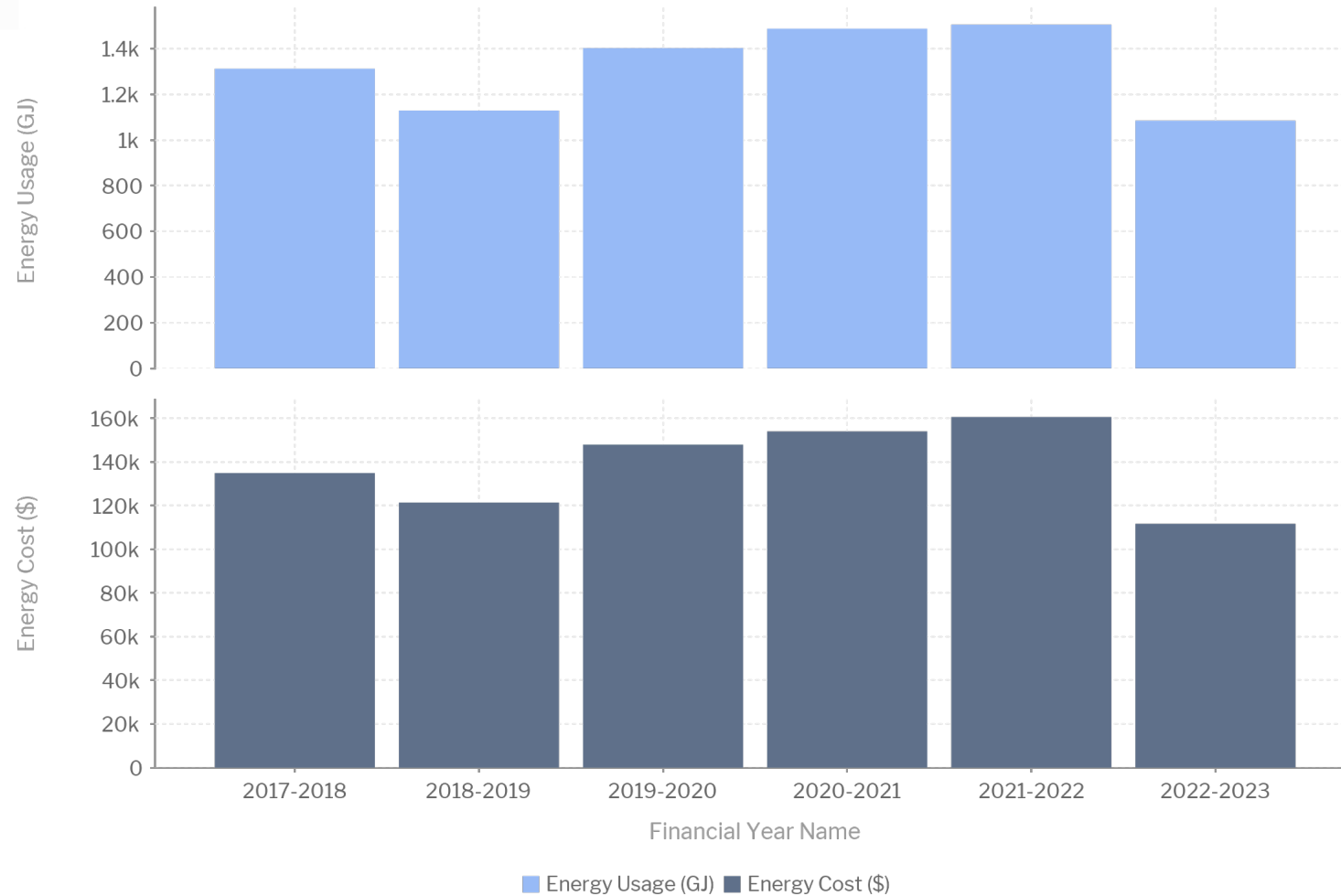
**\* last five complete financial years**





## Annual Energy Consumption and Costs

Total energy (gas and electricity) consumption and cost for the current period, compared to the same period in previous financial years.





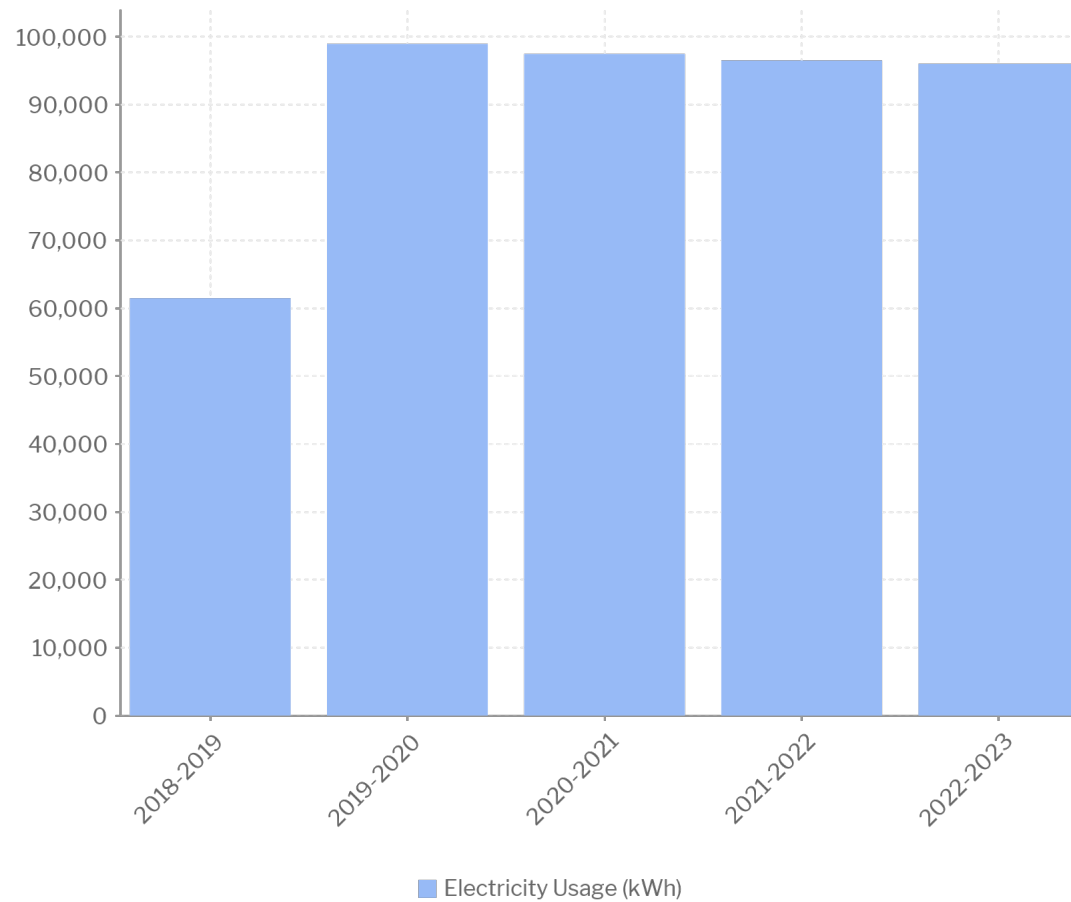


## Electricity Consumption - Breakdown

Total electricity consumption for the current period compared to previous financial years.



Electricity Consumption (kWh)





## Assets with the Biggest Electricity Usage Increase



Assets that have seen the largest consumption increase compared to the same period in the last financial year.

Financial Year Name	Asset Name	Electricity Usage (kWh)	Usage Change Since Previous Year (KWh)	Percent Usage Change Since Previous Year (%)	Previous Financial Year	Previous Year Electricity Usage (kWh)
2022-2023	Civic Centre, Library & Old Resource Centre	6,404KWh	1,558	32%	2022	4,846KWh
2022-2023	Denmark High School Oval Bore	3,183KWh	1,288	68%	2022	1,895KWh
2022-2023	Surf Life Saving Club/ Ocean Beach Shower and Toilets	4,249KWh	1,262	42%	2022	2,987KWh
2022-2023	Recreation Centre	9,492KWh	786	9%	2022	8,706KWh
2022-2023	Peaceful Bay - Water Supply Pump Shed	2,210KWh	670	44%	2022	1,540KWh
2022-2023	PEACEFUL BAY BEACH TOILETS	961KWh	467	95%	2022	494KWh
2022-2023	Depot	5,272KWh	267	5%	2022	5,005KWh
2022-2023	WILLIAM BAY BUSH FIRE BRIGADE	325KWh	179	123%	2022	146KWh
2022-2023	MT LINDESAY BUSH FIRE BRIGADE	323KWh	108	50%	2022	215KWh
2022-2023	MCINTOSH LANDFILL	1,030KWh	64	7%	2022	966KWh



## Assets with the Biggest Electricity Usage Decrease



Assets that have seen the largest consumption decrease compared to the same period in the last financial year.

Financial Year Name	Asset Name	Electricity Usage (KWh)	Usage Change Since Previous Year (KWh)	Percent Usage Change Since Previous Year (%)	Previous Financial Year	Previous Year Electricity Usage (kWh)
2022-2023	UNMETERED STREET LIGHTING	31,574KWh	-2,524	-7%	2022	34,098KWh
2022-2023	McLean Park	7,993KWh	-1,908	-19%	2022	9,901KWh
2022-2023	Shire Administration Centre	11,295KWh	-608	-5%	2022	11,903KWh
2022-2023	Peaceful Bay Beach Toilets Pump/ Playground Toilets	568KWh	-569	-50%	2022	1,137KWh
2022-2023	THORNTON PARK	712KWh	-435	-38%	2022	1,147KWh
2022-2023	SPIRIT OF PLAY COMMUNITY SCHOOL	1,921KWh	-307	-14%	2022	2,228KWh
2022-2023	BERRIDGE PARK	1,223KWh	-276	-18%	2022	1,499KWh
2022-2023	MUSEUM	509KWh	-157	-24%	2022	666KWh
2022-2023	Kwoorabup Community Park	169KWh	-97	-36%	2022	266KWh
2022-2023	EAST DENMARK BUSH FIRE BRIGADE	604KWh	-73	-11%	2022	677KWh



## Cost of Power - Electricity



Top 10 assest with the highest Effective Cost of Power (ECOP) per kWh of electricity consumed, ranked by total spend.

Asset Name	Rank of Electricity Usage (kWh)	Electricity Usage (kWh)	Rank of Electricity Cost (\$)	Electricity Cost (\$)	Rank of Electricity Cost per kWh (\$)	Electricity Cost per kWh (\$)
UNMETERED STREET LIGHTING	1	25,145	1	\$12,922.00	1	\$0.51
Shire Administration Centre	2	11,436	2	\$3,164.00	9	\$0.28
McLean Park	3	10,770	3	\$3,028.00	6	\$0.28
Recreation Centre	4	9,779	4	\$2,746.00	7	\$0.28
Civic Centre, Library & Old Resource Centre	5	6,936	5	\$1,919.00	8	\$0.28
Denmark High School Oval Bore	6	6,271	9	\$1,063.00	10	\$0.17
Peaceful Bay - Water Supply Pump Shed	7	4,517	6	\$1,277.00	5	\$0.28
Surf Life Saving Club/ Ocean Beach Shower and Toilets	8	4,414	7	\$1,275.00	3	\$0.29
Depot	9	4,294	8	\$1,219.00	4	\$0.28
CEO's House	10	2,895	10	\$842.00	2	\$0.29



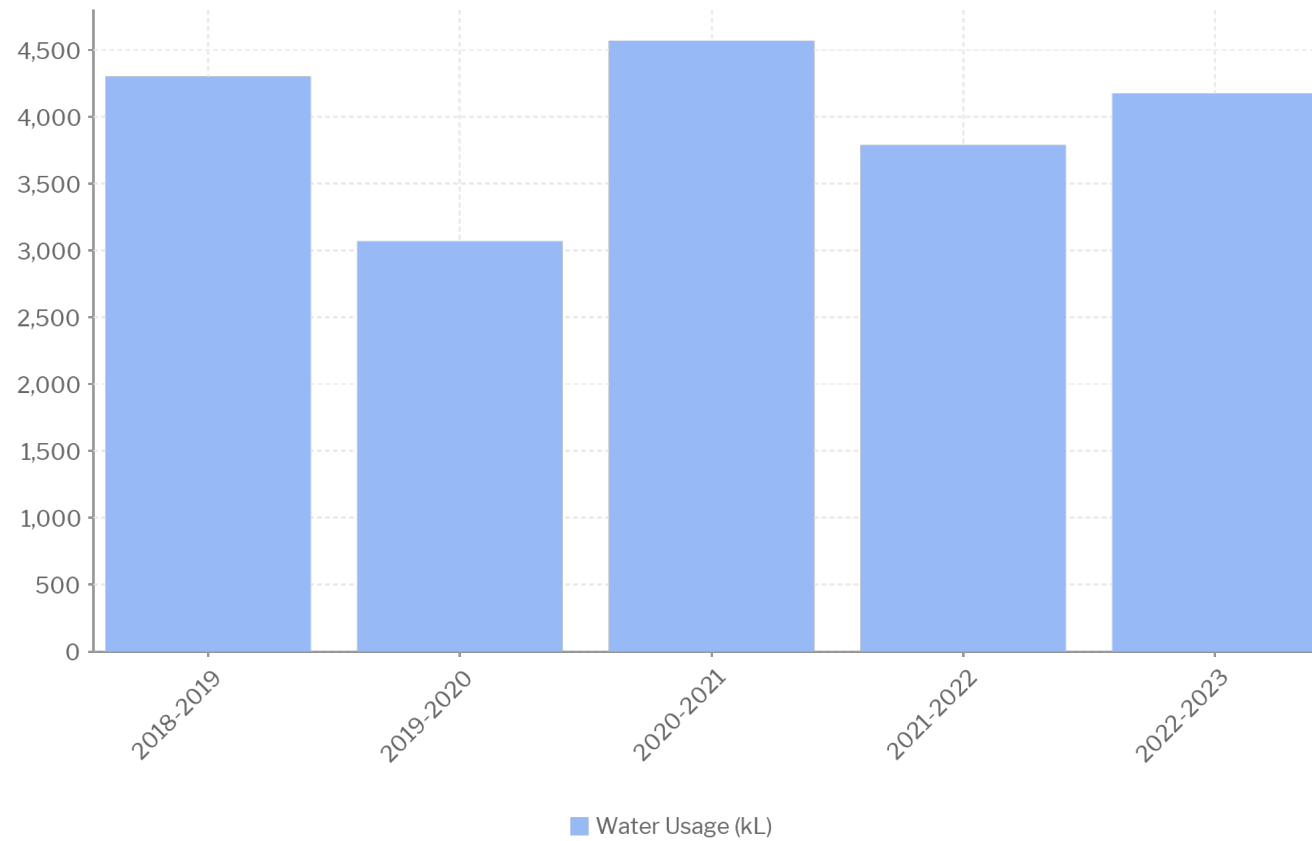


## Water Consumption - Breakdown



Total water consumption for the current period compared to the same period in previous financial years.

Water Consumption (kL)





## Assets with the Biggest Water Usage Increase



Assets that have seen the largest consumption increase compared to the same period in the last financial year.

Financial Year Name	Asset Name	Water Usage (kL)	Consumption Change Since Previous Year (kL)	Percent Consumption Change Since Previous Year (%)	Previous Financial Year	Previous Year Water Usage (kL)
2022-2023	BERRIDGE PARK	507kL	506	50600%	2022	1kL
2022-2023	Howe Road Standpipe	247kL	244	8133%	2022	3kL
2022-2023	Zimmerman Street Standpipe	718kL	141	24%	2022	577kL
2022-2023	Recreation Centre	169kL	102	152%	2022	67kL
2022-2023	THORNTON PARK	149kL	62	71%	2022	87kL
2022-2023	CEO's House	62kL	62		2022	0kL
2022-2023	WAR MEMORIAL	53kL	50	1667%	2022	3kL
2022-2023	Denbarker Road Standpipe	59kL	33	127%	2022	26kL
2022-2023	Randall Park	29kL	29		2022	0kL
2022-2023	House at 23 Riverbend Lane Scotsdale	48kL	28	140%	2022	20kL



## Assets with the Biggest Water Usage Decrease



Assets that have seen the largest consumption decrease compared to the same period in the last financial year.

Financial Year Name	Asset Name	Water Usage (kL)	Consumption Change Since Previous Year (kL)	Percent Consumption Change Since Previous Year (%)	Previous Financial Year	Previous Year Water Usage (kL)
2022-2023	Old Saleyards	382kL	-403	-51%	2022	785kL
2022-2023	Shire Staff Rental Chiltern Road/ DASH House	73kL	-144	-66%	2022	217kL
2022-2023	Depot	339kL	-135	-28%	2022	474kL
2022-2023	Surf Life Saving Club/ Ocean Beach Shower and Toilets	299kL	-91	-23%	2022	390kL
2022-2023	Strickland Street Median Strip	50kL	-74	-60%	2022	124kL
2022-2023	McLean Park	271kL	-58	-18%	2022	329kL
2022-2023	Denmark Cottage Crafts	76kL	-57	-43%	2022	133kL
2022-2023	Civic Centre, Library & Old Resource Centre	178kL	-16	-8%	2022	194kL
2022-2023	SPIRIT OF PLAY COMMUNITY SCHOOL	44kL	-13	-23%	2022	57kL
2022-2023	Denmark Arts Centre Precinct (former Frail Aged Lodge)	37kL	-3	-8%	2022	40kL





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