

Whakatane District Council

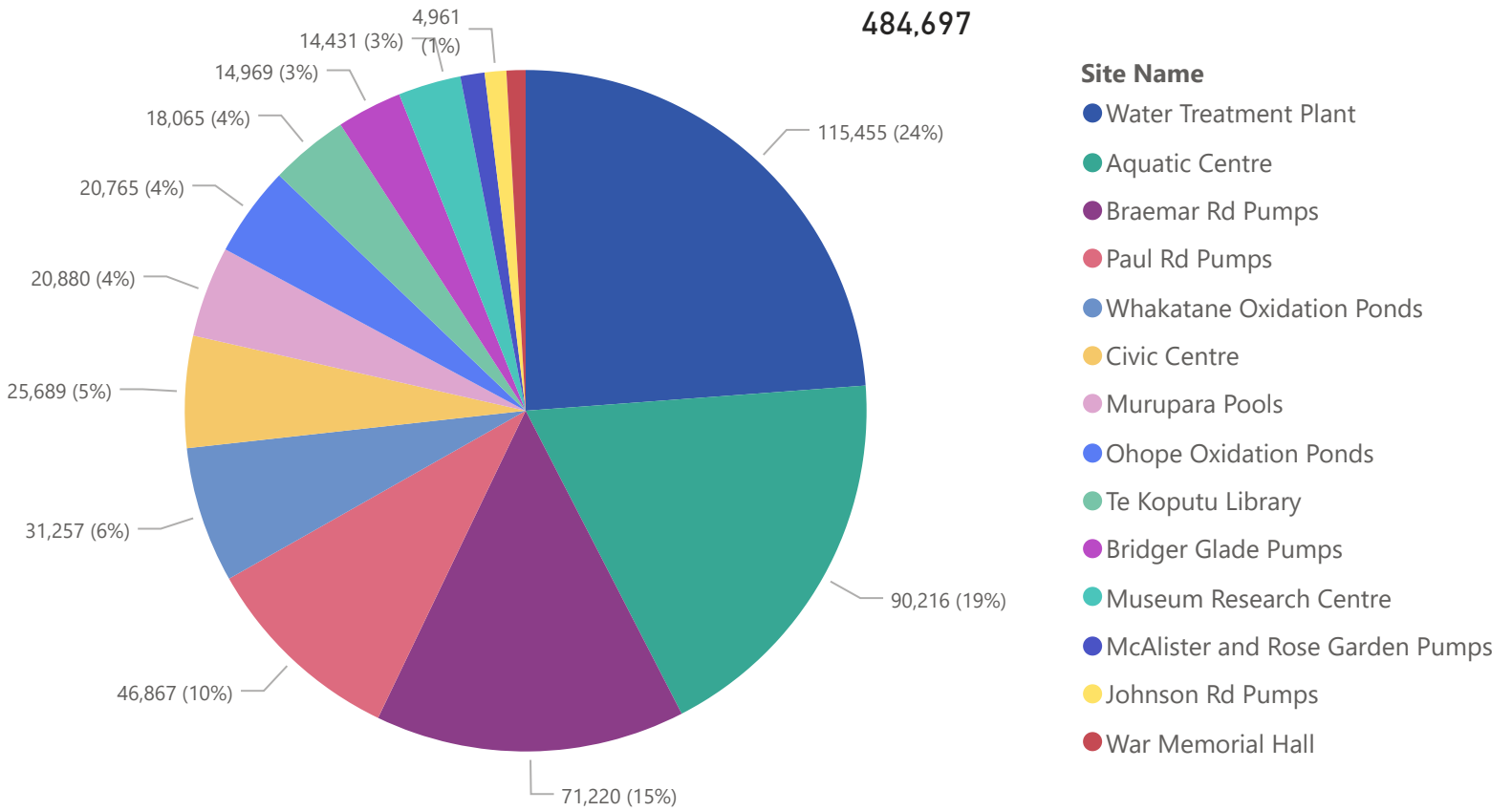
Summary

<p>\$9,670</p> <p>Monthly Energy Cost Savings</p>	<p>49,325</p> <p>Elec. Savings (kWh/mo)</p>	<p>9%</p> <p>Elec. Savings (%)</p>	<p>661,809</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>6,264</p> <p>CO2e Savings (kg/mo)</p>
<p>\$103,535</p> <p>R12M Energy Cost Savings</p>	<p>10,838</p> <p>Gas. Savings (kWh/mo)</p>	<p>53%</p> <p>Gas. Savings (%)</p>	<p>-218,385</p> <p>R12M Gas Savings (kWh/yr)</p>	<p>10,874</p> <p>R12M CO2e Savings (kg/yr)</p>

Total Energy (kWh/Month)

Total Energy Used for the Month (kWh)

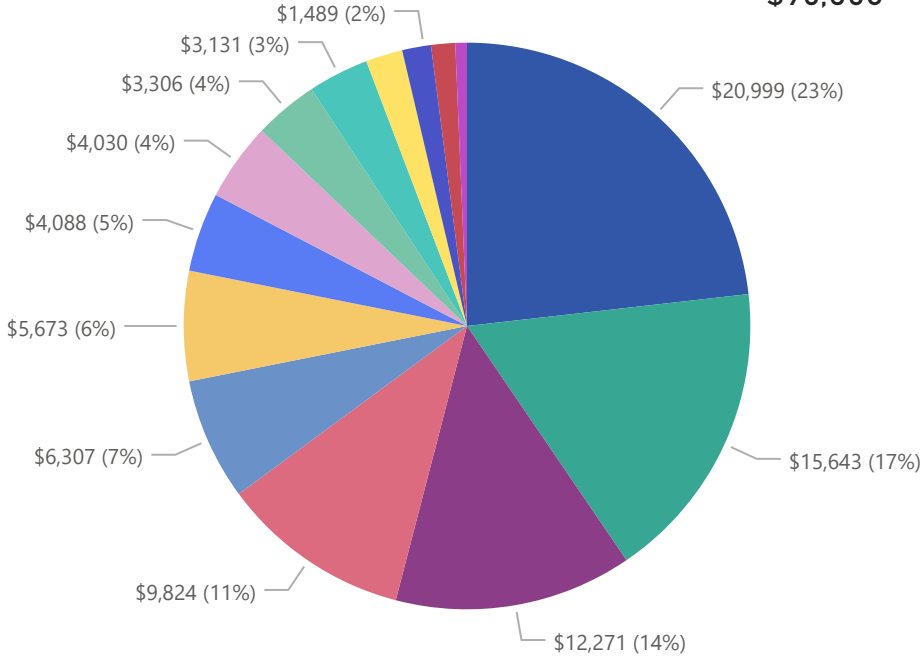
484,697



Whakatane District Council Summary

Energy Cost (\$/Month)

Energy Cost for the Month (\$) **\$90,506**

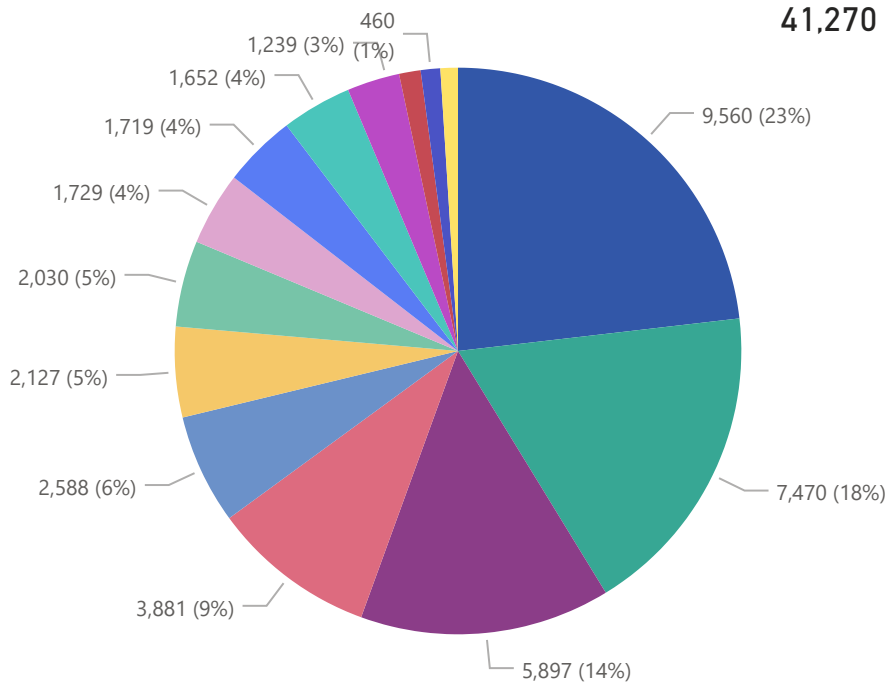


Site Name

- Water Treatment Plant
- Aquatic Centre
- Braemar Rd Pumps
- Paul Rd Pumps
- Whakatane Oxidation Ponds
- Civic Centre
- Ohope Oxidation Ponds
- Murupara Pools
- Te Koputu Library
- Museum Research Centre
- Johnson Rd Pumps
- McAlister and Rose Garden Pumps
- War Memorial Hall
- Bridger Glade Pumps

Carbon Emissions (kgCO2e/Month)

Carbon Emissions for the Month (kgCO2e) **41,270**



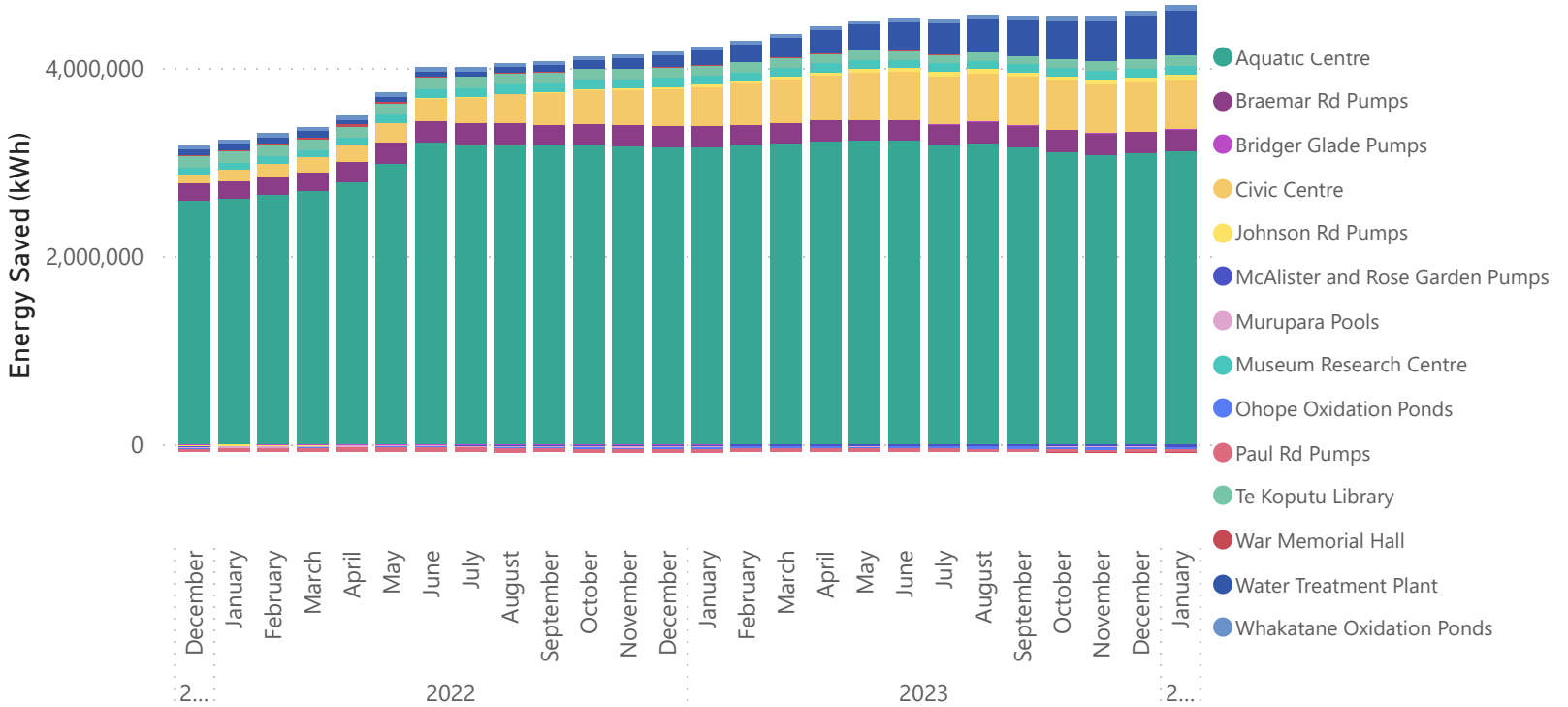
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Whakatane District Council

Summary

Cumulative Energy Savings (kWh)



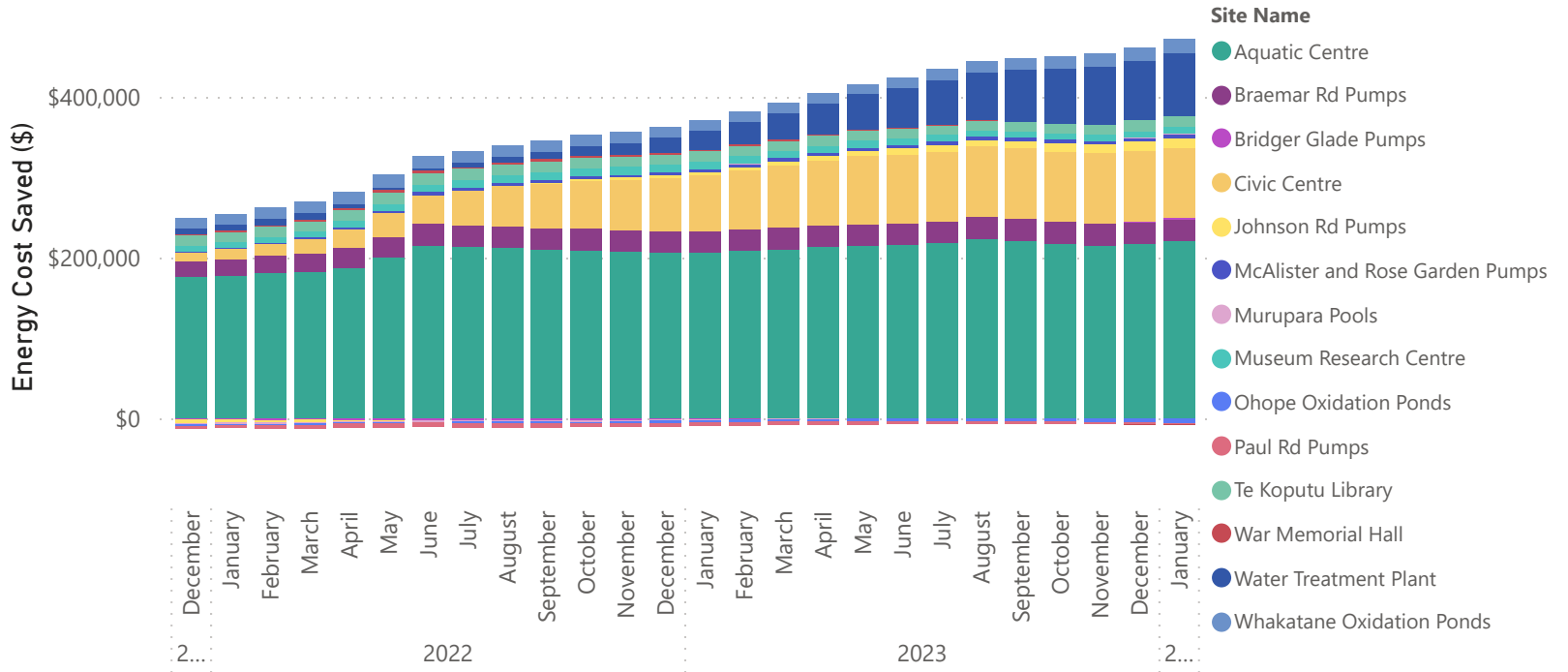
Note, cumulative savings are calculated starting July 2018

Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

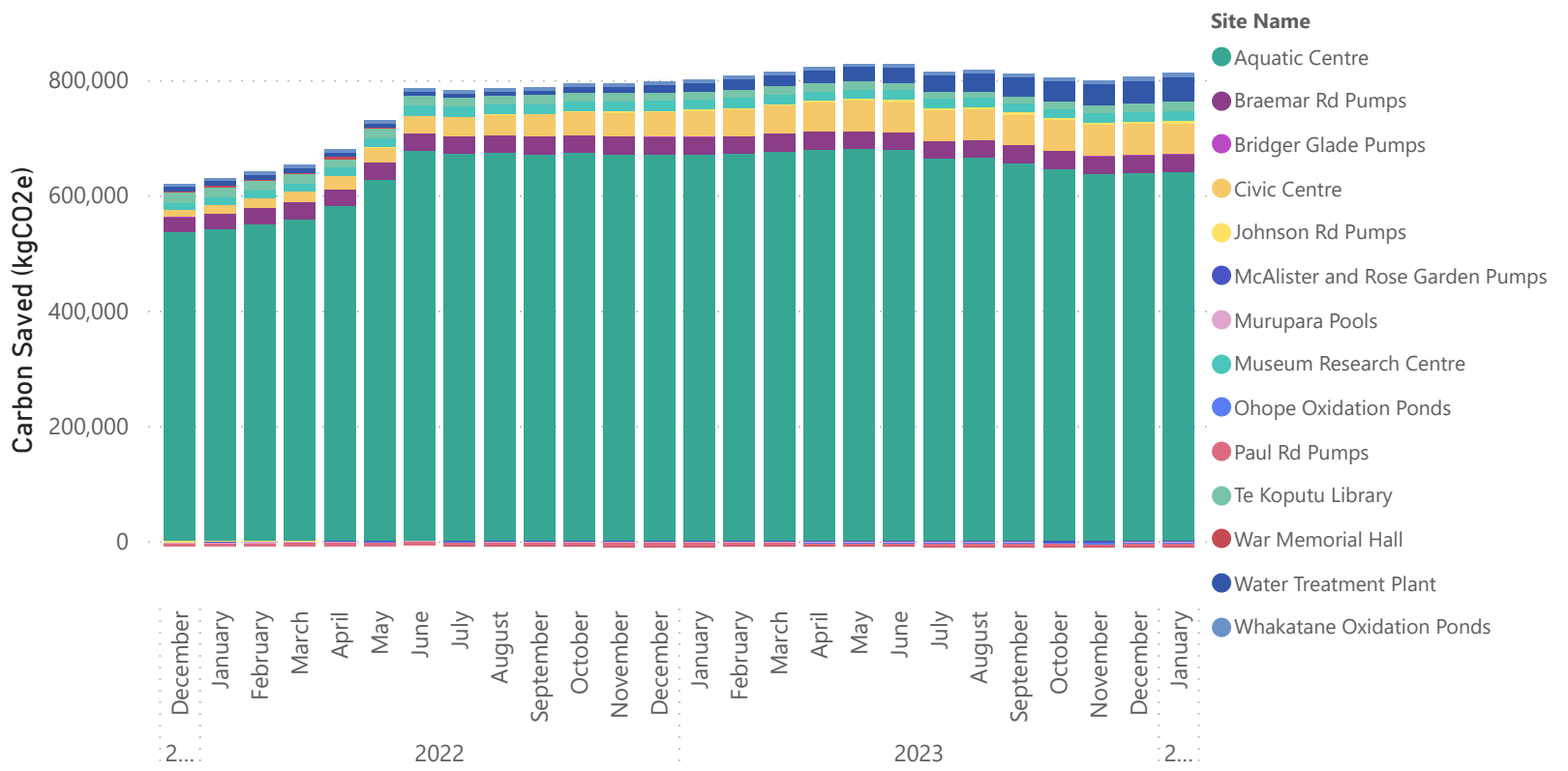
Summary

Cumulative Energy Cost Savings (\$)



Note, cumulative savings are calculated starting July 2018

Cumulative Carbon Savings (kgCO2e)



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

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Civic Centre

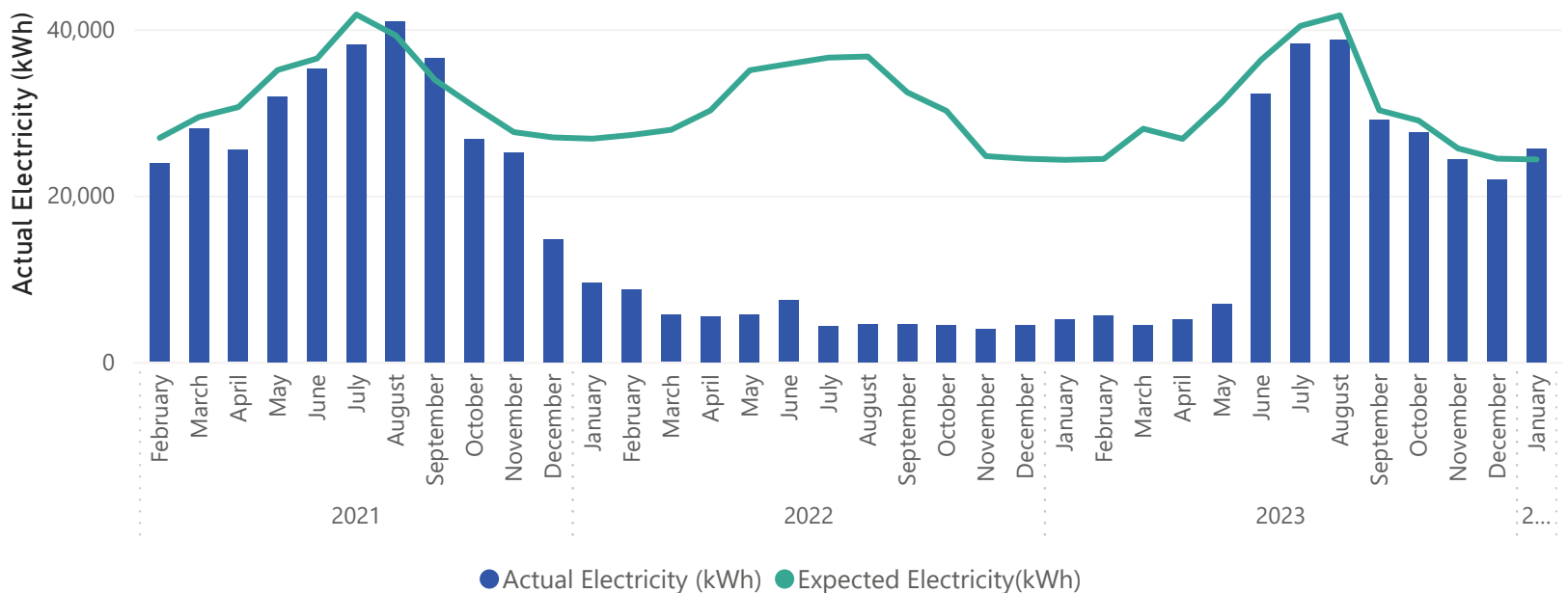
<p>-\$207 Monthly Energy Cost Savings</p>	<p>-1,355 Elec. Savings (kWh/mo)</p>	<p>-6% Elec. Savings (%)</p>	<p>102,607 R12M Electricity Savings (kWh/yr)</p>	<p>-112 CO2e Savings (kg/mo)</p>
<p>\$18,225 R12M Energy Cost Savings</p>				<p>8,496 R12M CO2e Savings (kg/yr)</p>

Comments:

It can be seen from the monthly electricity demand chart, electricity was close to baseline during holiday period, before most staff returned on 8 Jan. Demand was as expected for most of the month, however, from 25-31 Jan electricity use after hours did not decrease as significantly. From 25-31 Jan, afterhours electricity was approximately 30 kW, 10 kW higher than it was earlier in the month. This increase in electricity is the primary reason why electricity use was more than expected this month.

Electric vehicle charging stations have been in use from March 2021, non-routine adjustments are on-going to account for the increased electricity use.

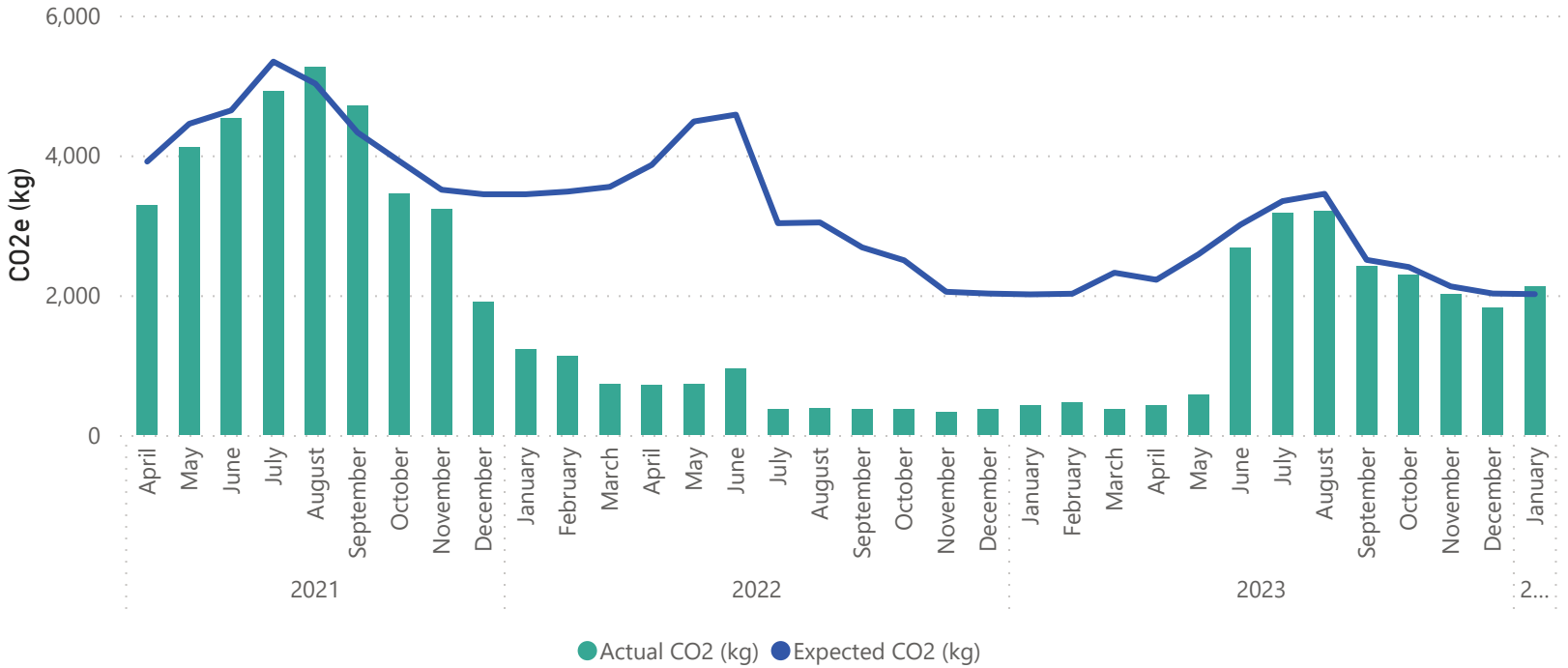
Civic Centre Electricity Use Compared to Baseline (kWh)



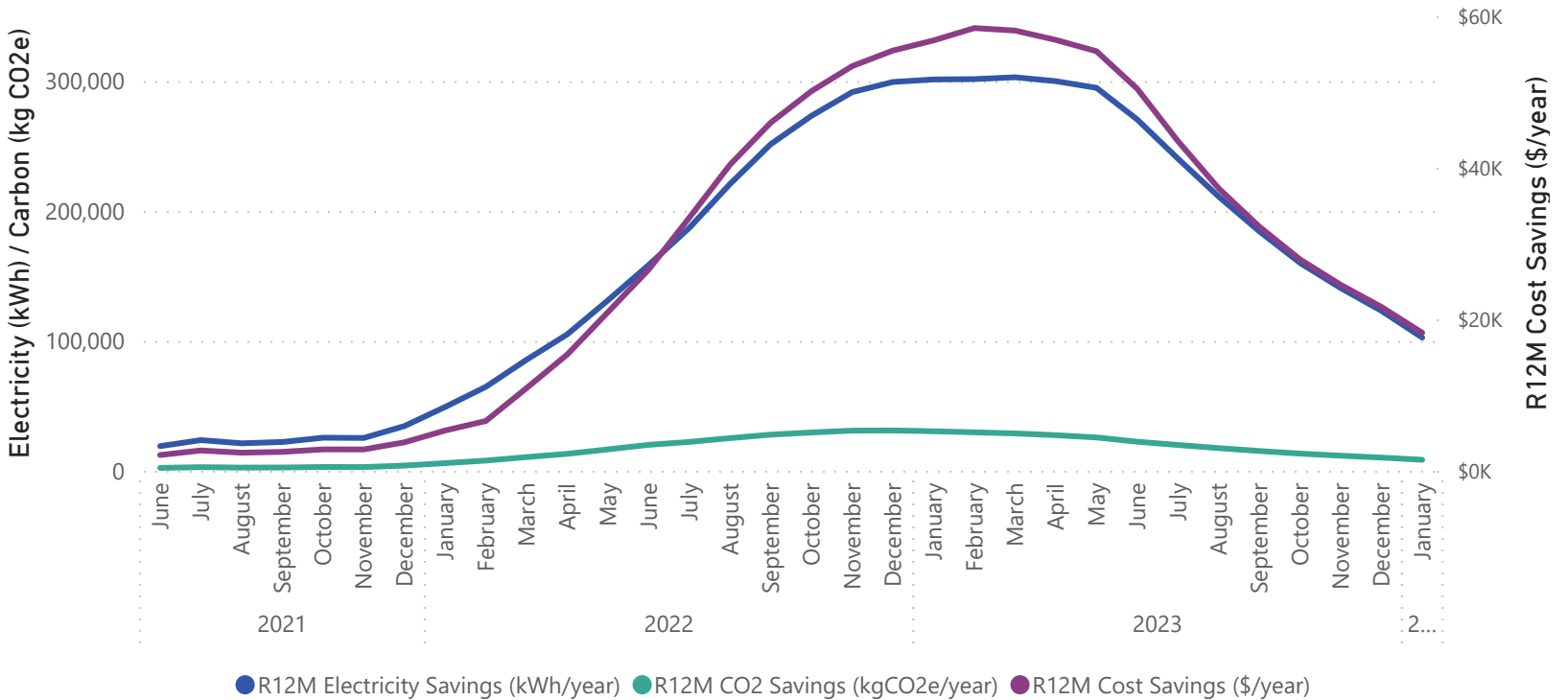
Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council Civic Centre

Civic Centre Carbon Emissions Compared to Baseline (kg CO2e)



Civic Centre Rolling 12 Month Savings

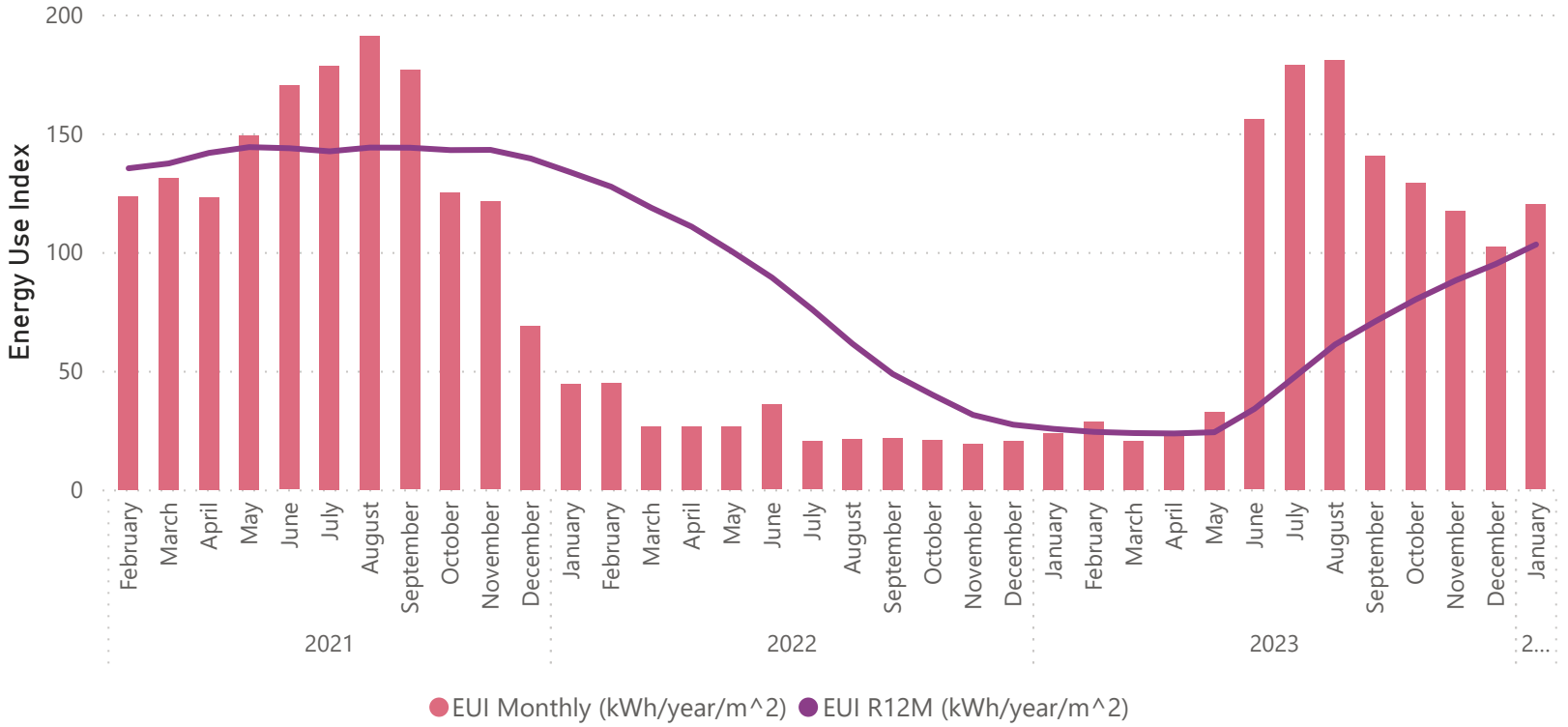


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Whakatane District Council

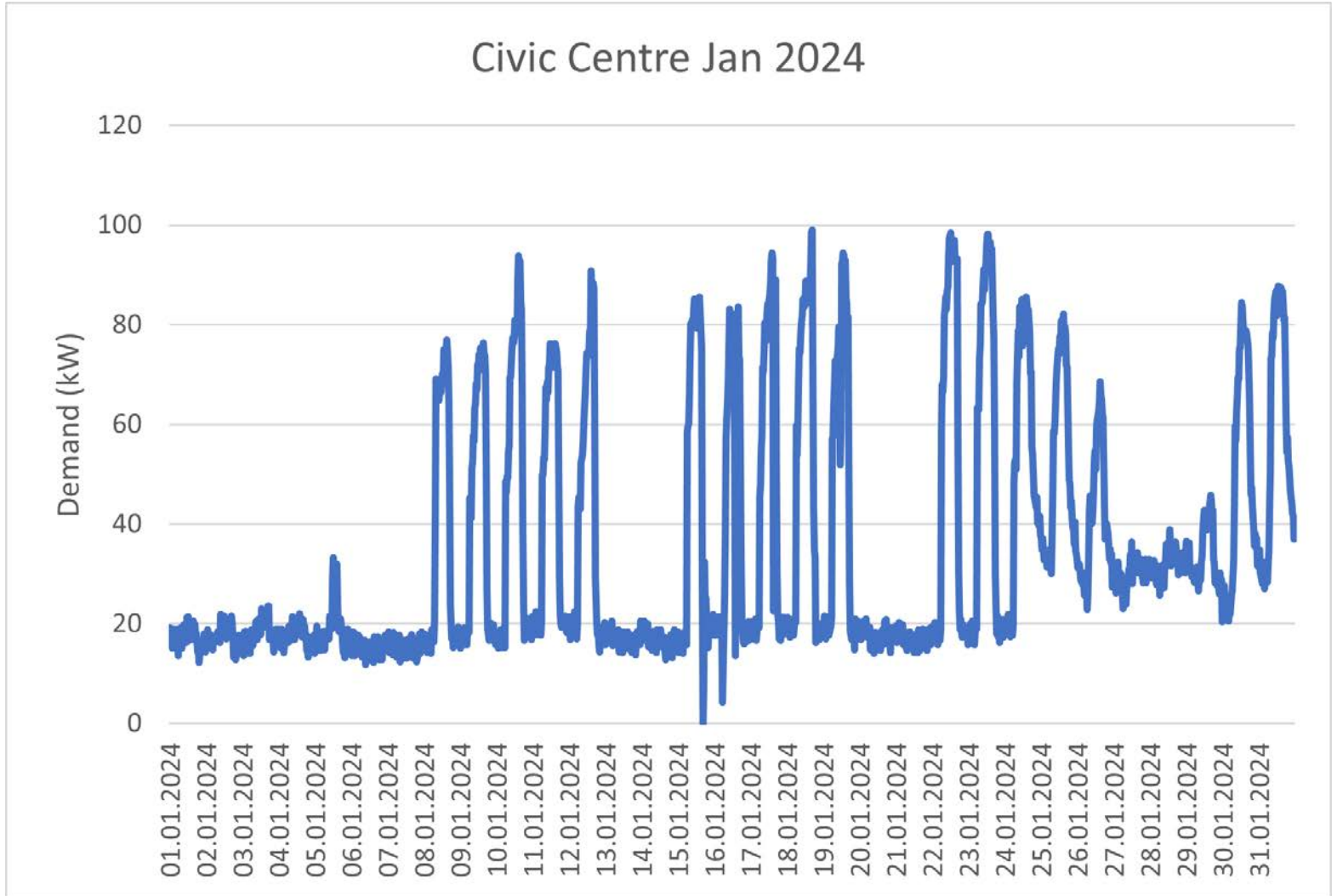
Civic Centre

Civic Centre Energy Use Index by Month Compared to Rolling 12-Month Values



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Whakatane District Council Civic Centre



Whakatane District Council

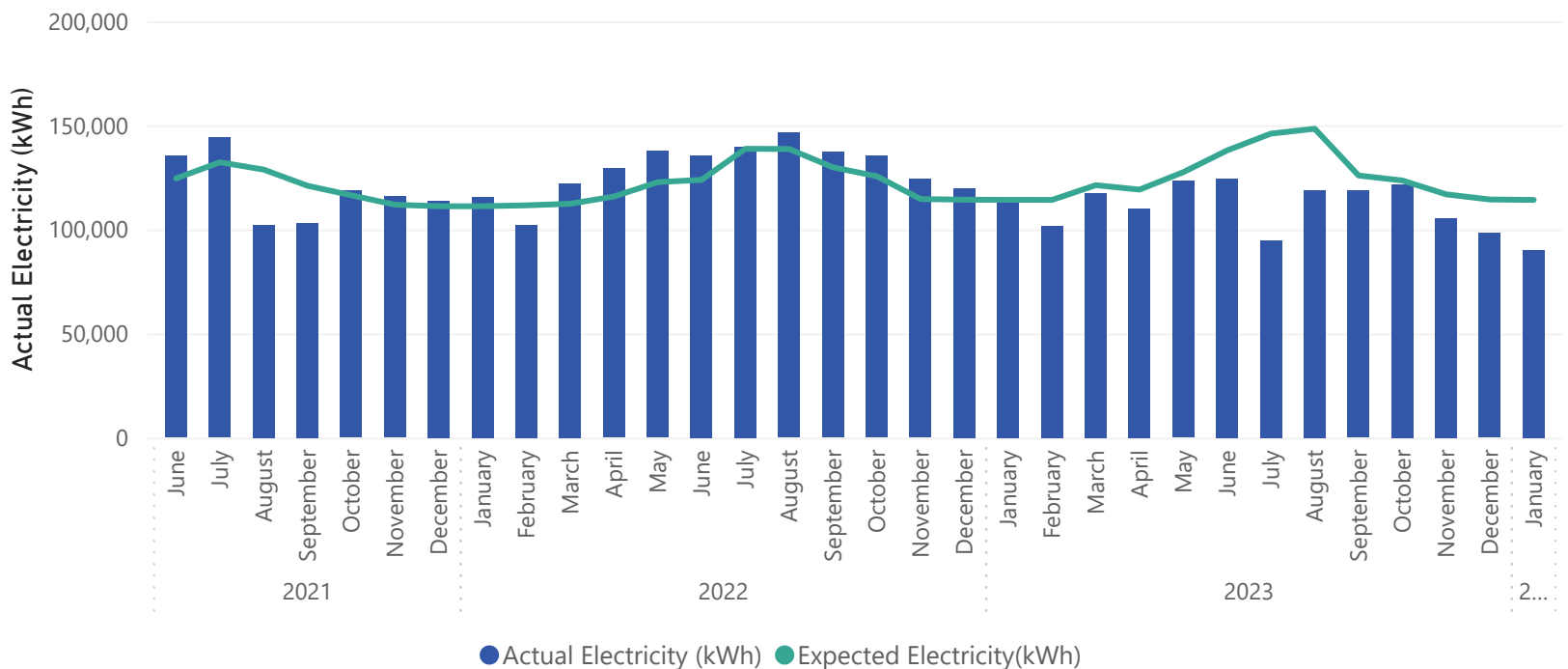
Aquatic Centre

<p>\$3,558</p> <p>Monthly Energy Cost Savings</p>	<p>23,959</p> <p>Elec. Savings (kWh/mo)</p>	<p>21%</p> <p>Elec. Savings (%)</p>	<p>184,314</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>2,206</p> <p>CO2e Savings (kg/mo)</p>
<p>\$14,119</p> <p>R12M Energy Cost Savings</p>	<p>1,105</p> <p>Gas. Savings (kWh/mo)</p>	<p>100%</p> <p>Gas. Savings (%)</p>	<p>-226,162</p> <p>R12M Gas Savings (kWh/yr)</p>	<p>-30,227</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Electricity use was less than baseline in Jan 2024. No gas was used for the month, which is excellent. Heat pumps are being used again and gas boilers have been switched off. The EUI for the month is significantly less than average over the past 12 months which aligns with heat pumps being used, as they are a more efficient technology compared to gas boilers.

Aquatic Centre Electricity Use Compared to Baseline (kWh)

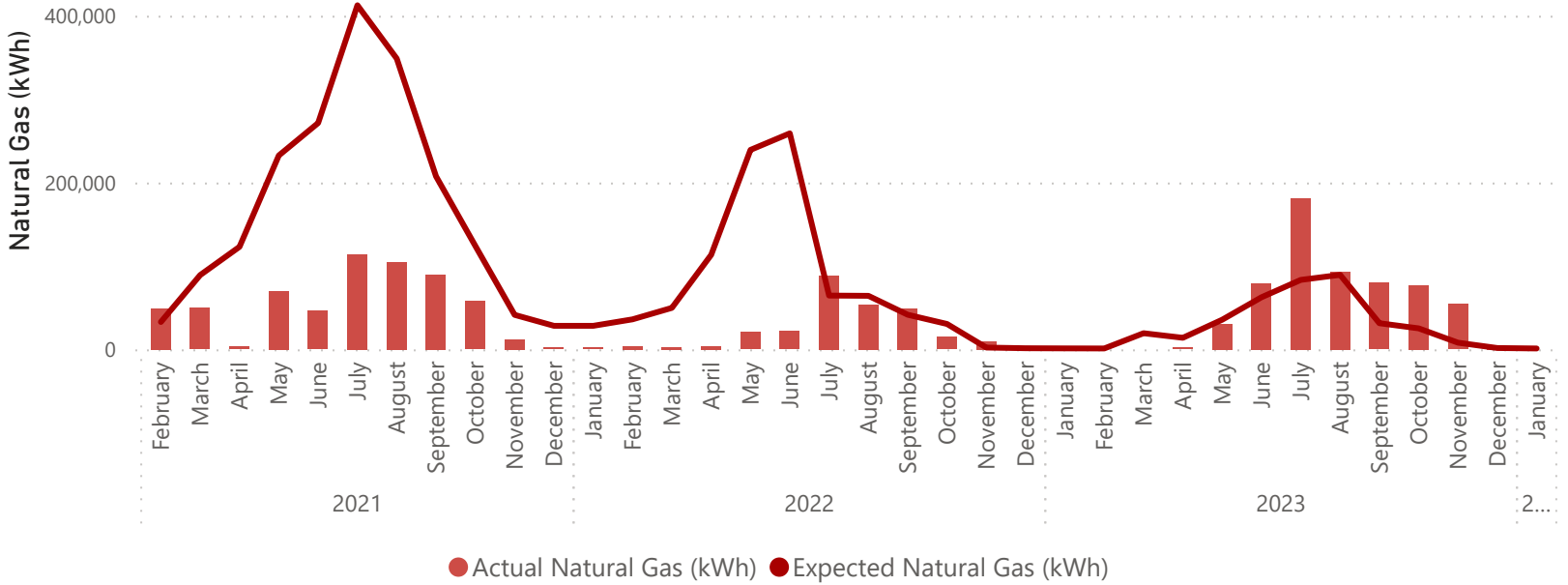


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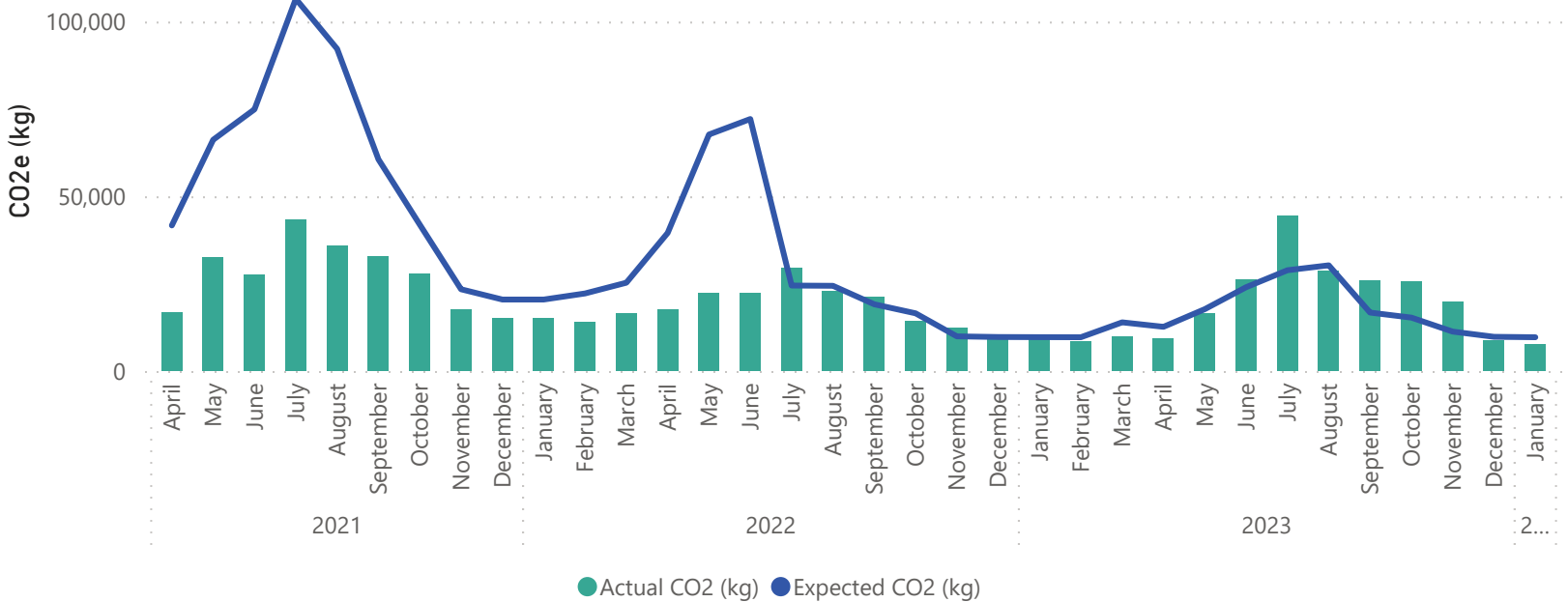
Whakatane District Council

Aquatic Centre

Aquatic Centre Natural Gas Compared to Baseline (kWh)



Aquatic Centre Carbon Emissions Compared to Baseline (kg CO2e)

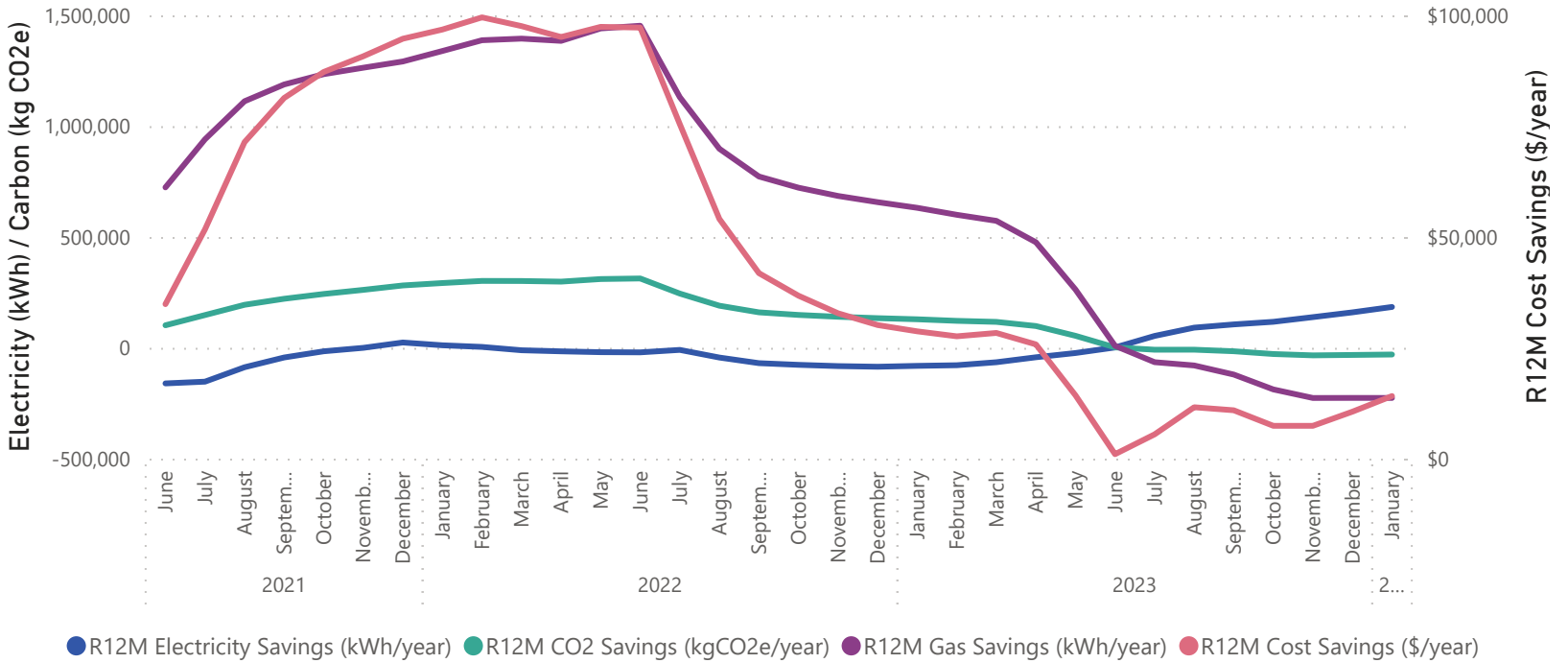


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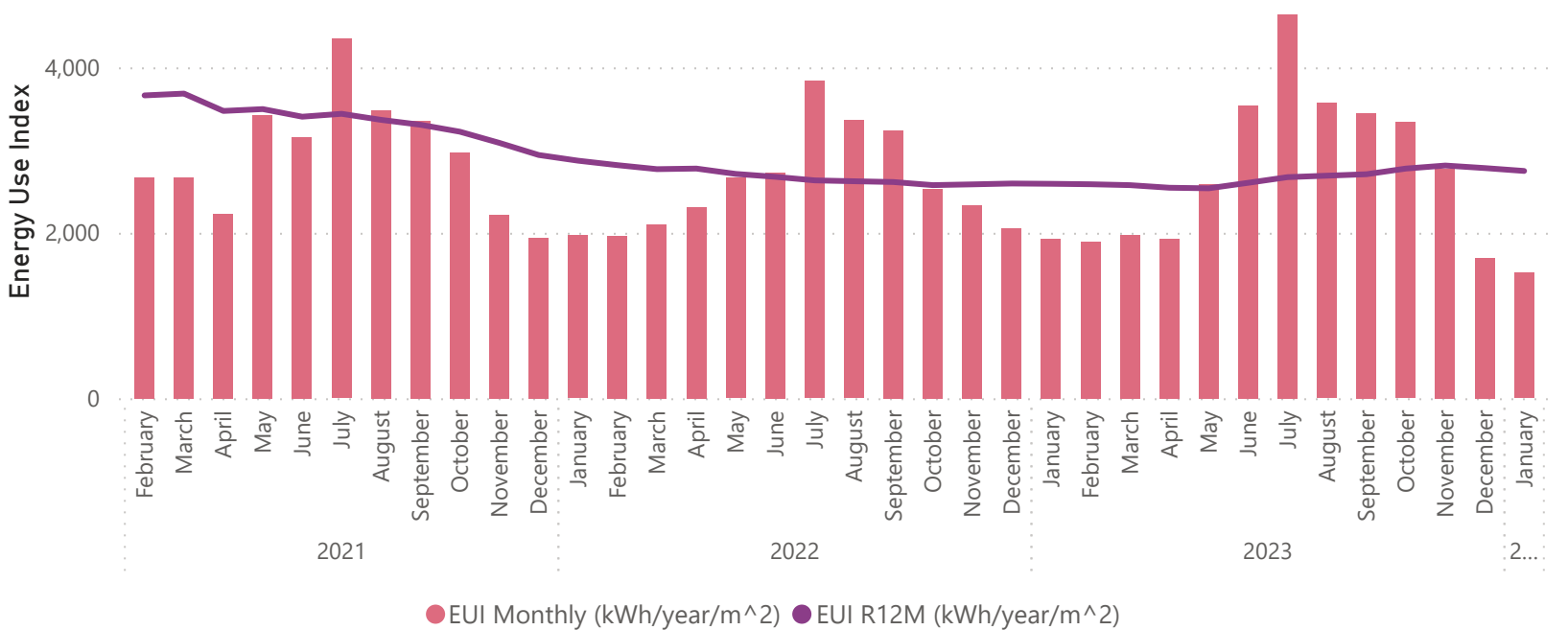
Whakatane District Council

Aquatic Centre

Aquatic Centre Rolling 12 Month Savings



Aquatic Centre Energy Use Index by Month Compared to Rolling 12-Month Values



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Te Koputu Library

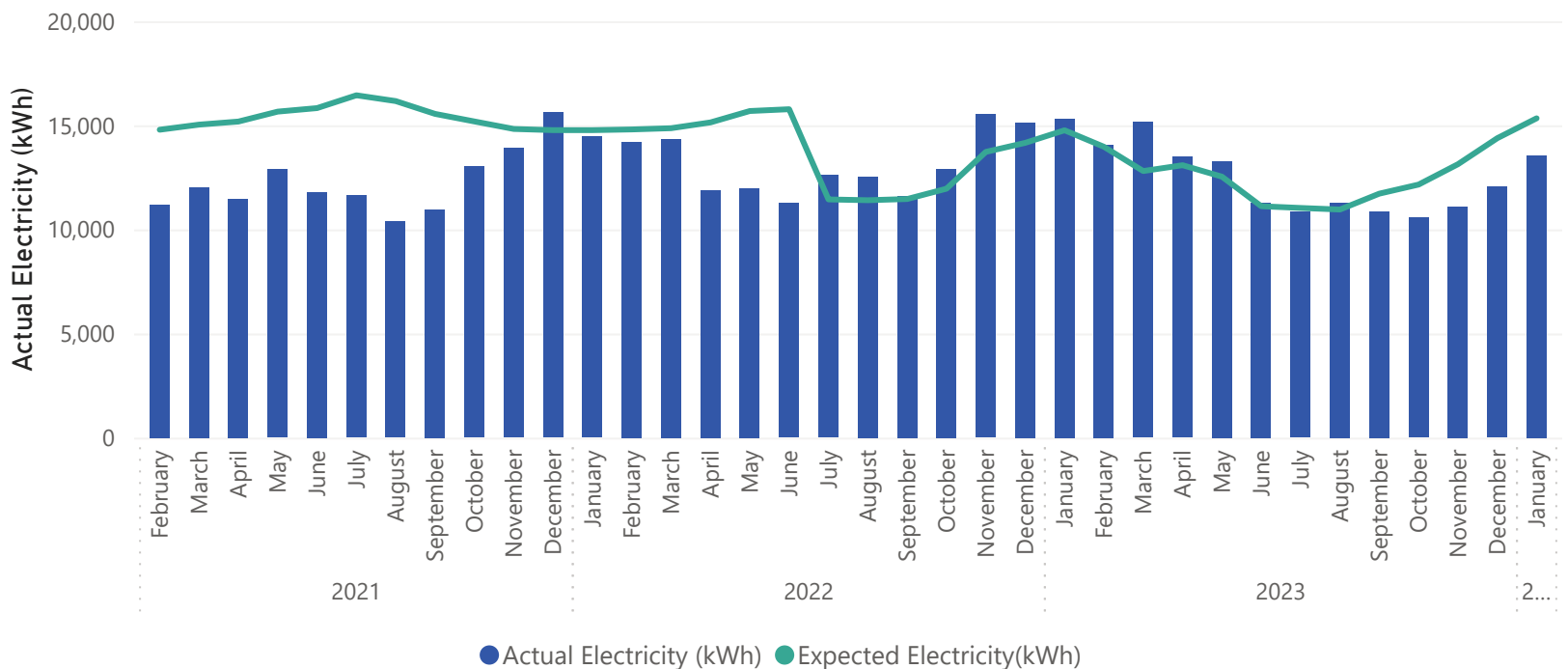
<p>\$1,142</p> <p>Monthly Energy Cost Savings</p>	<p>1,787</p> <p>Elec. Savings (kWh/mo)</p>	<p>12%</p> <p>Elec. Savings (%)</p>	<p>4,729</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>2,198</p> <p>CO2e Savings (kg/mo)</p>
<p>\$1,731</p> <p>R12M Energy Cost Savings</p>	<p>10,192</p> <p>Gas. Savings (kWh/mo)</p>	<p>69%</p> <p>Gas. Savings (%)</p>	<p>12,145</p> <p>R12M Gas Savings (kWh/yr)</p>	<p>2,834</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Electricity and natural gas use were both less than expected for the month, an excellent result and most likely a result of tuning the boiler and chiller. Both natural gas and electricity savings have increased over the past four months, particularly gas.

The Library's EUI has been consistent from Oct 2023 and lower than average compared to the last 12 months, which is great.

Te Koputu Library Electricity Use Compared to Baseline (kWh)

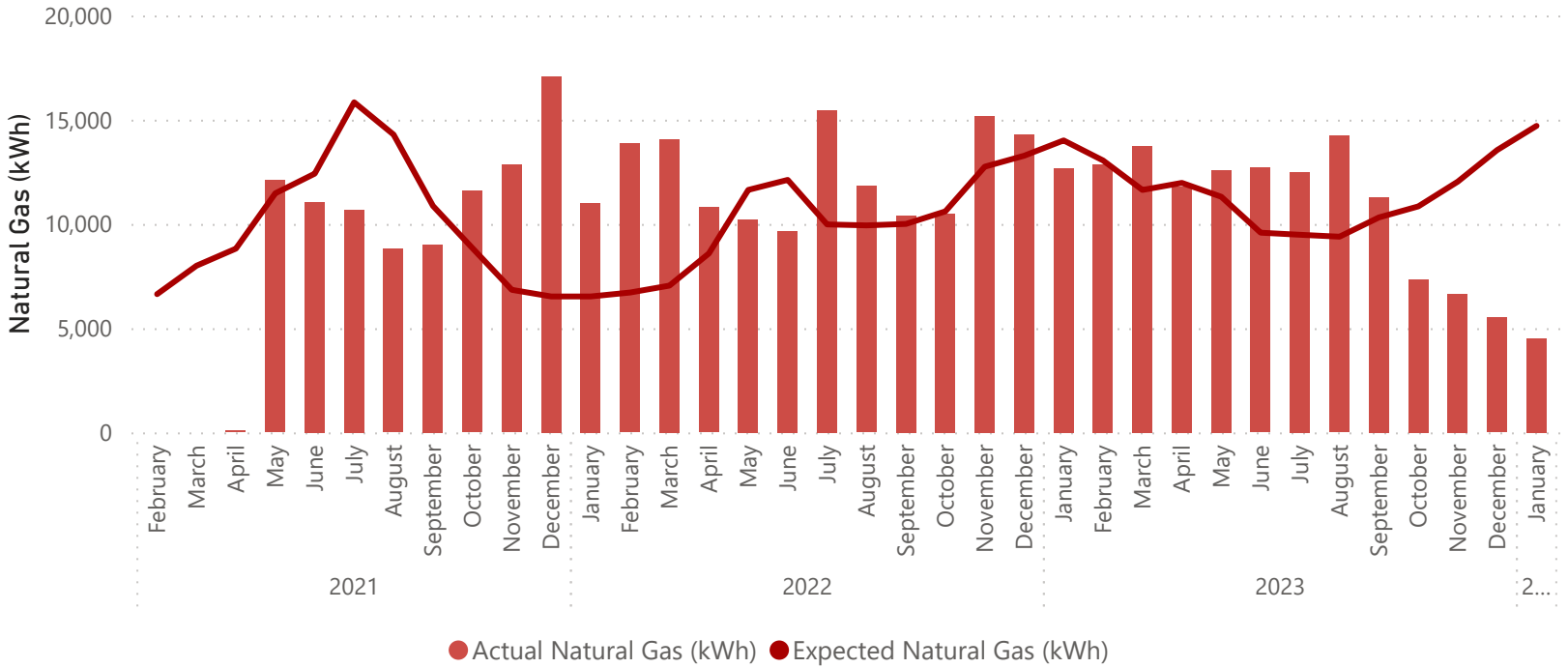


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

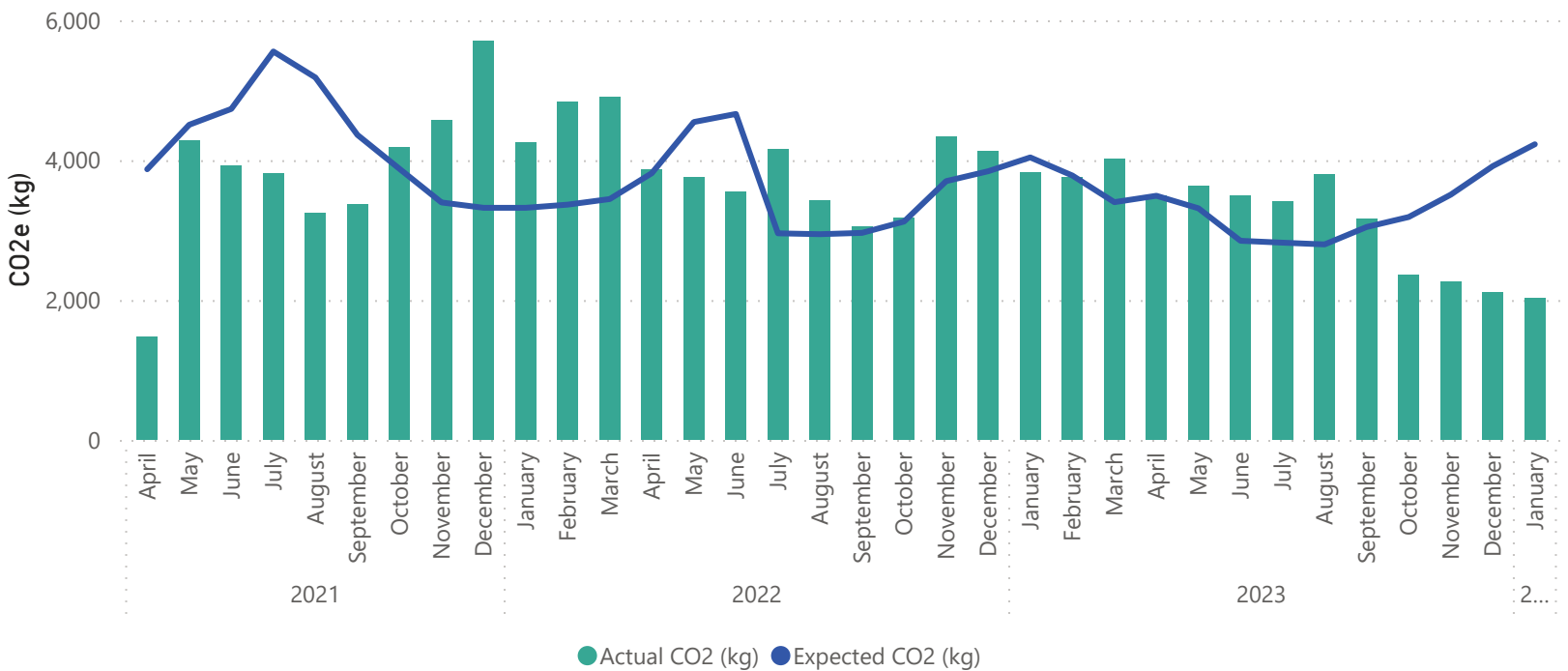
Whakatane District Council

Te Koputu Library

Te Koputu Library Natural Gas Compared to Baseline (kWh)



Te Koputu Library Carbon Emissions Compared to Baseline (kg CO2e)

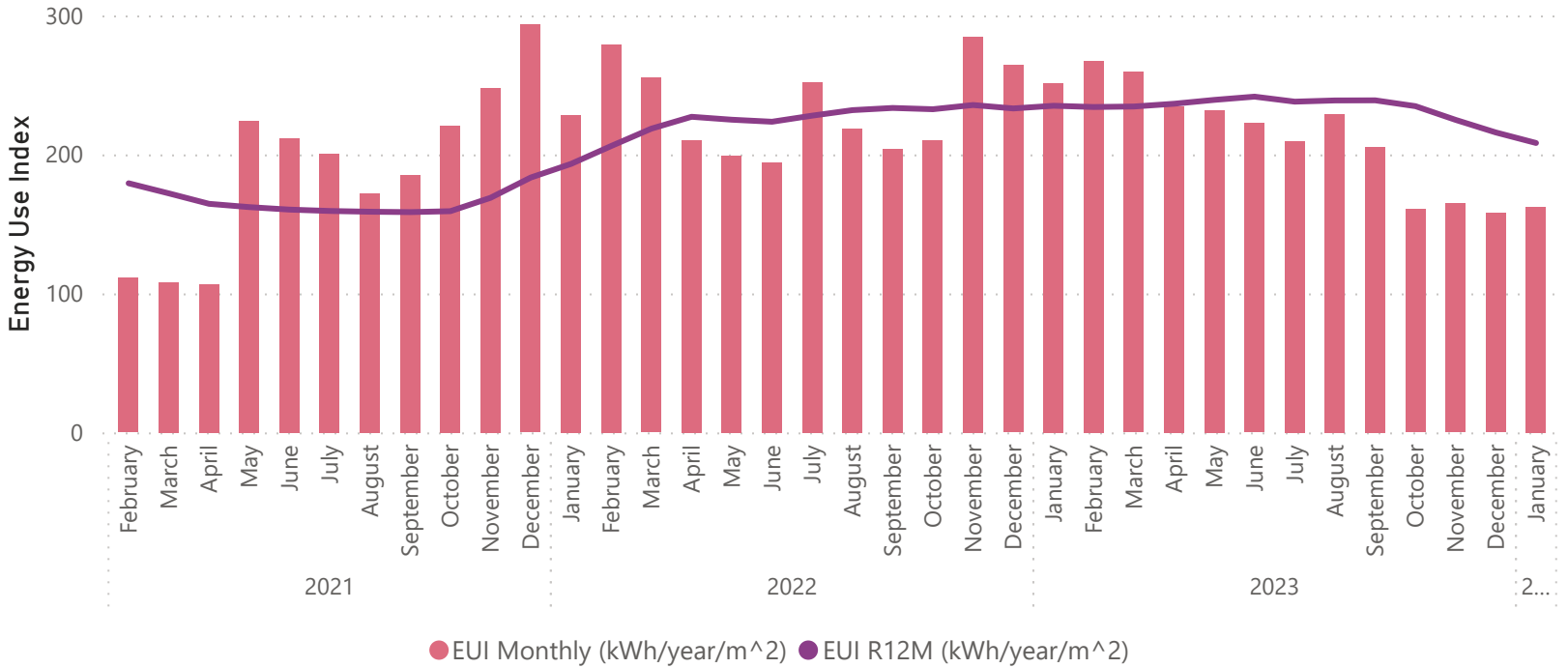


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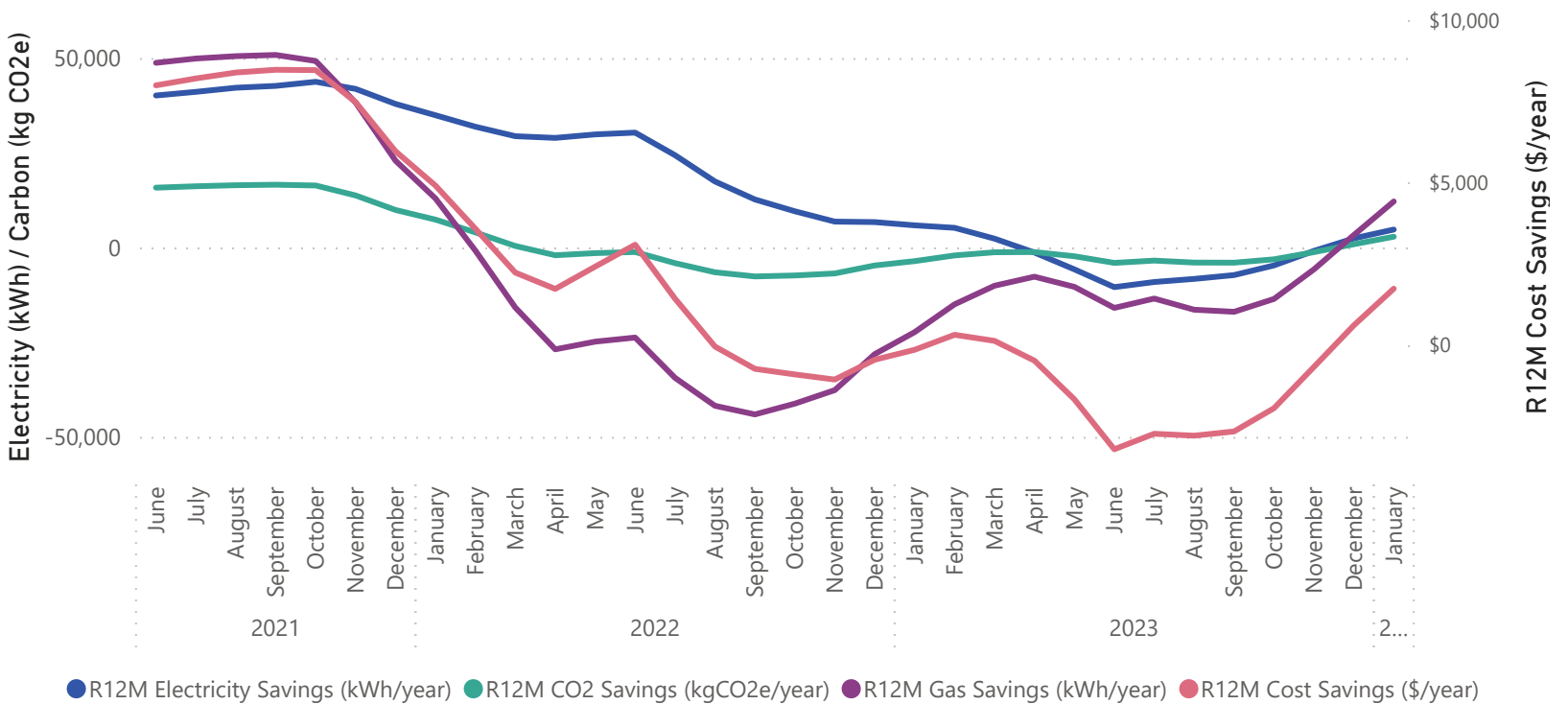
Whakatane District Council

Te Koputu Library

Te Koputu Library Energy Use Index by Month Compared to Rolling 12-Month Values



Te Koputu Library Rolling 12 Month Savings



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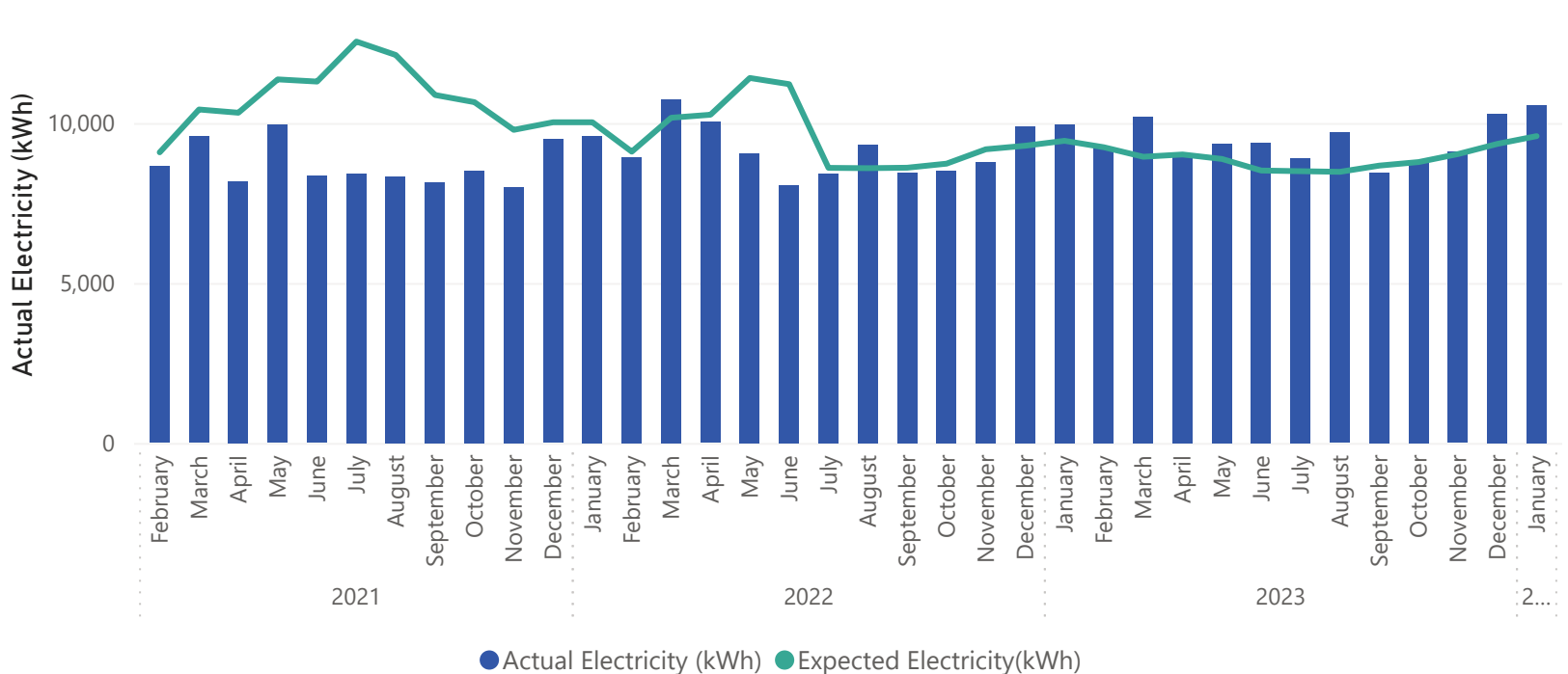
Whakatane District Council Museum and Research Centre

<p>-\$239 Monthly Energy Cost Savings</p>	<p>-975 Elec. Savings (kWh/mo)</p>	<p>-10% Elec. Savings (%)</p>	<p>-5,975 R12M Electricity Savings (kWh/yr)</p>	<p>-298 CO2e Savings (kg/mo)</p>
<p>-\$1,580 R12M Energy Cost Savings</p>	<p>-1,082 Gas. Savings (kWh/mo)</p>	<p>-39% Gas. Savings (%)</p>	<p>-6,241 R12M Gas Savings (kWh/yr)</p>	<p>-1,750 R12M CO2e Savings (kg/yr)</p>

Comments:

Natural gas and electricity were significantly more than expected. Operation of the AHUs has been changed to combat high humidity, which has had a negative impact on energy use. With the exception of October 2023, natural gas has been more than expected since December 2022.

Museum Research Centre Electricity Use Compared to Baseline (kWh)

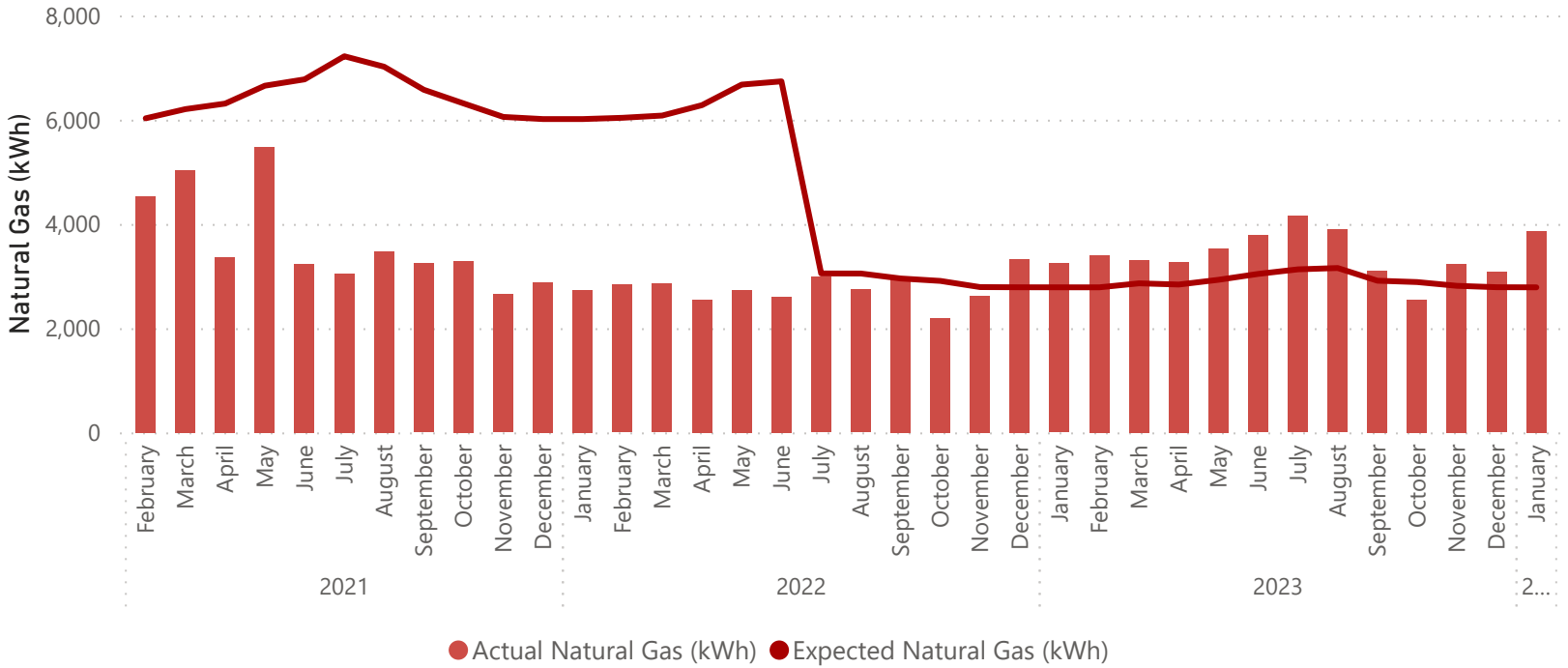


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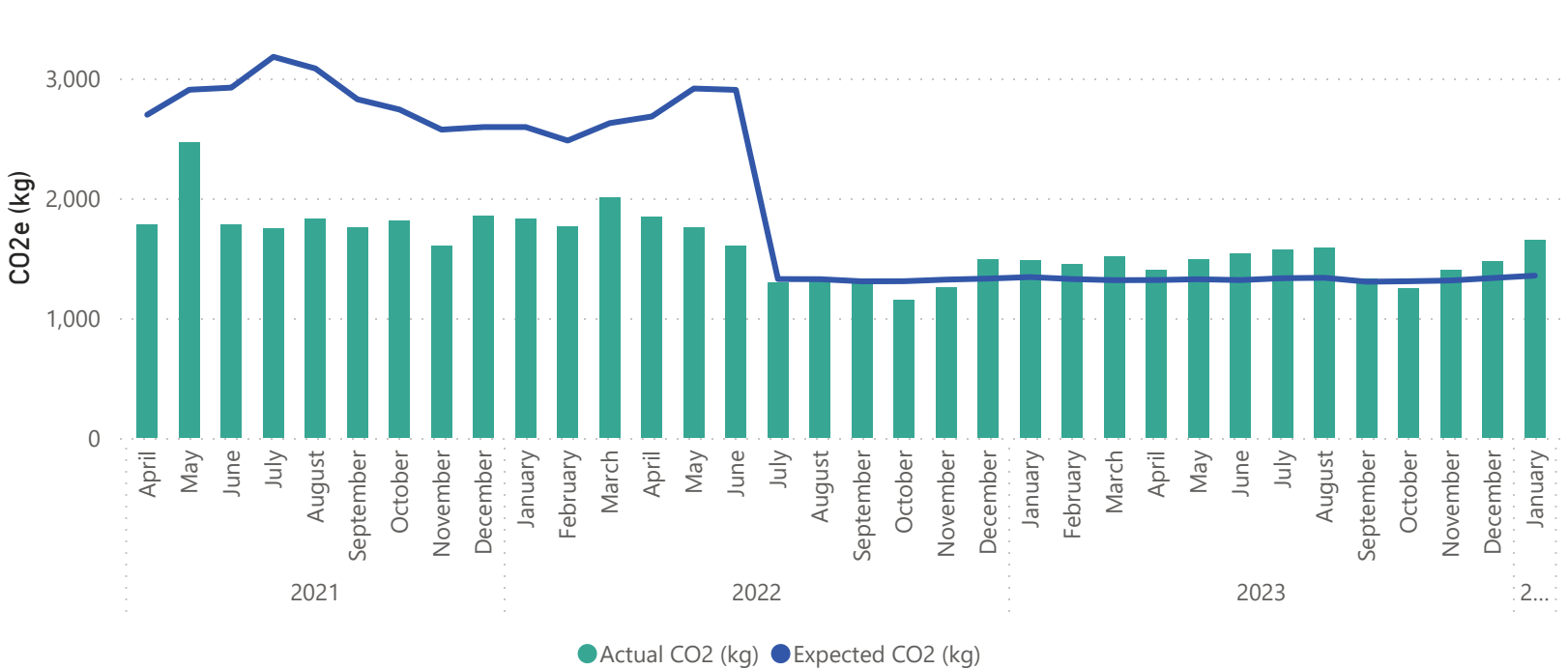
Whakatane District Council

Museum and Research Centre

Museum Research Centre Natural Gas Compared to Baseline (kWh)



Museum Research Centre Carbon Emissions Compared to Baseline (kg CO2e)

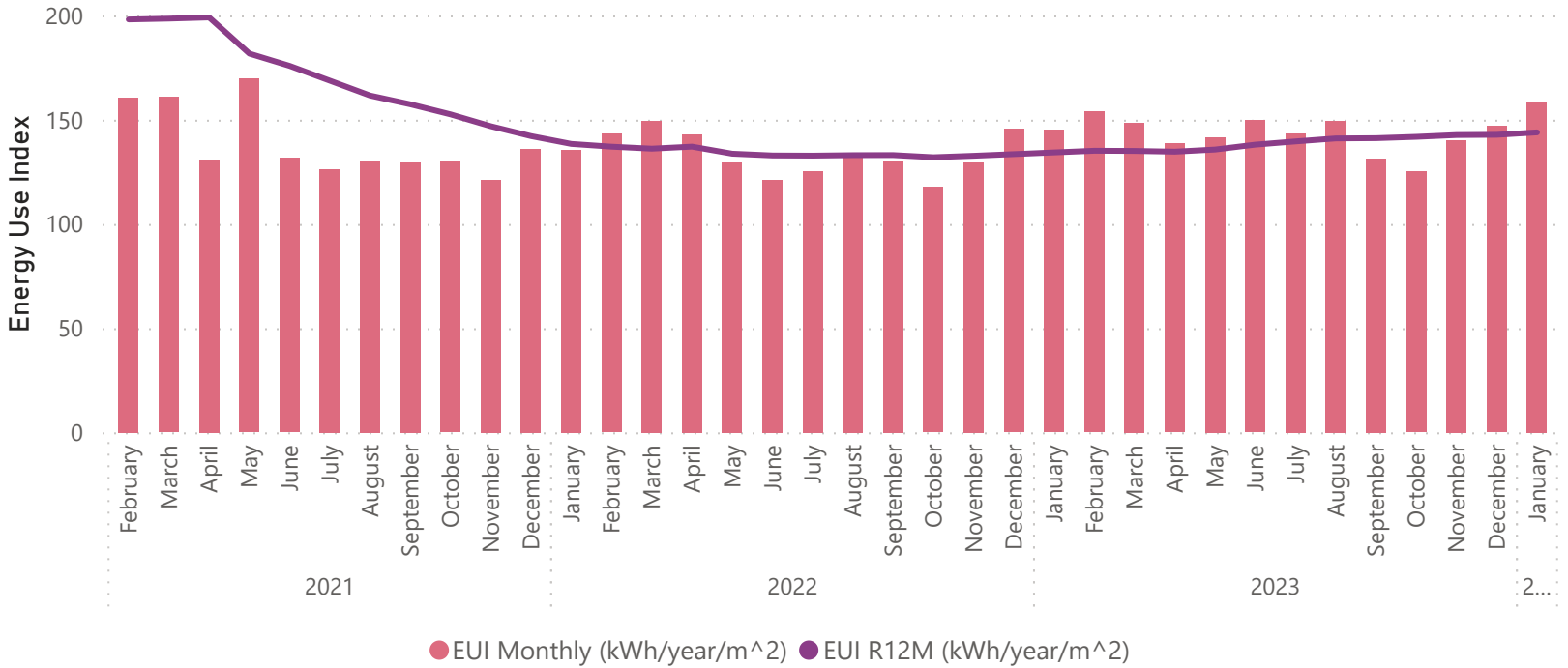


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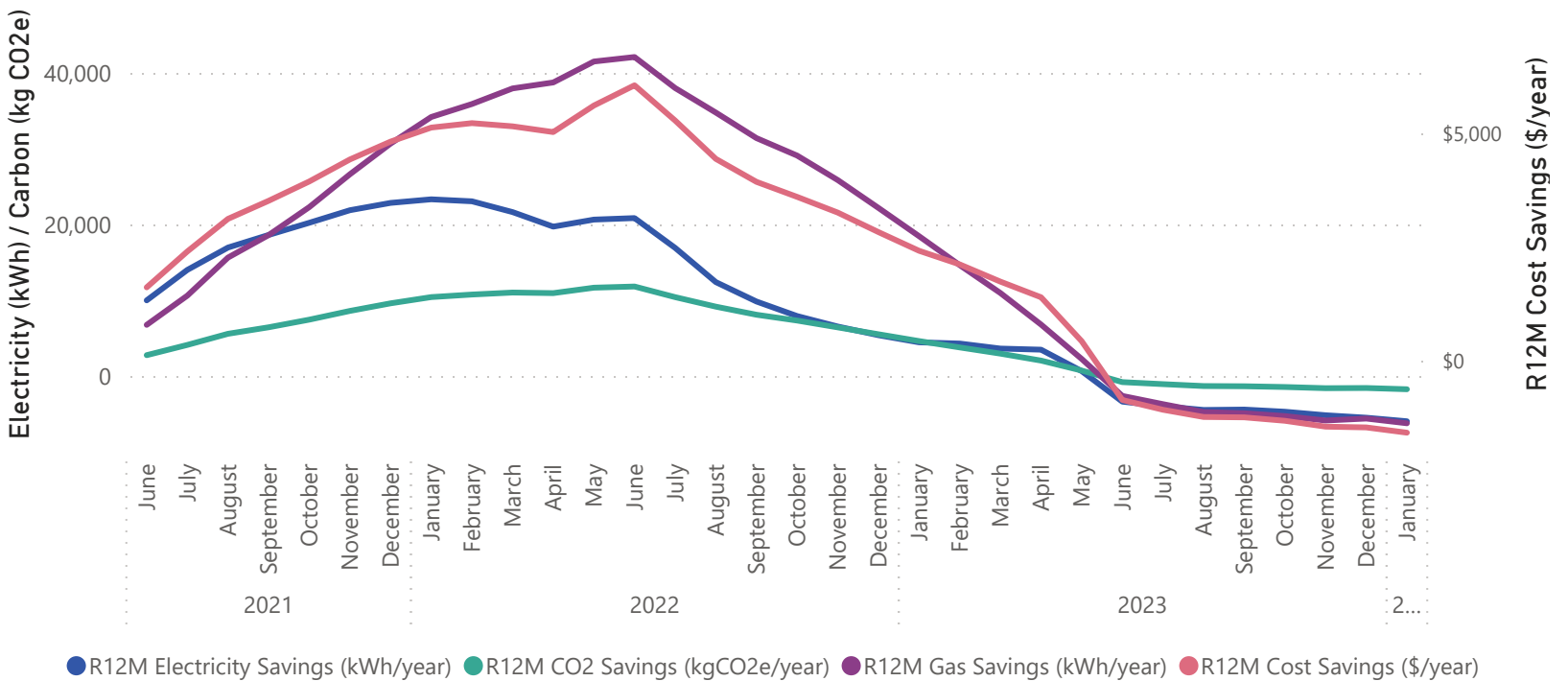
Whakatane District Council

Museum and Research Centre

Museum Research Centre Energy Use Index by Month Compared to Rolling 12-Month Values



Museum Research Centre Rolling 12 Month Savings



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Whakatane District Council

War Memorial Hall

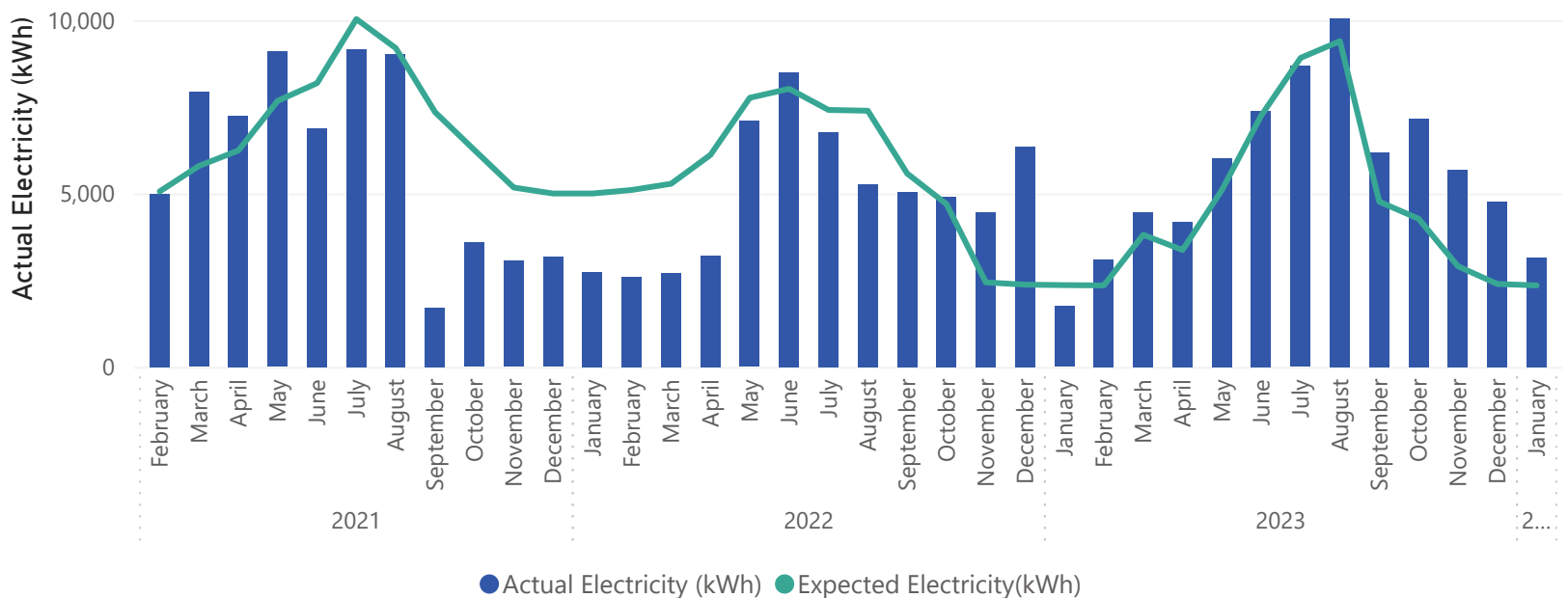
<p>-\$66 Monthly Energy Cost Savings</p>	<p>-796 Elec. Savings (kWh/mo)</p>	<p>-34% Elec. Savings (%)</p>	<p>-13,963 R12M Electricity Savings (kWh/yr)</p>	<p>59 CO2e Savings (kg/mo)</p>
<p>-\$2,104 R12M Energy Cost Savings</p>	<p>623 Gas. Savings (kWh/mo)</p>	<p>34% Gas. Savings (%)</p>	<p>1,873 R12M Gas Savings (kWh/yr)</p>	<p>-779 R12M CO2e Savings (kg/yr)</p>

Comments:

The War Memorial Hall used more electricity than expected. Eleven of the past 12 months have used more electricity than expected. This may be due to higher occupancy rates than usual.

The hall has used less natural gas than expected since October 2023. Natural gas use has decreased in recent months as ambient temperature is higher and less heating is required.

War Memorial Hall Electricity Use Compared to Baseline (kWh)

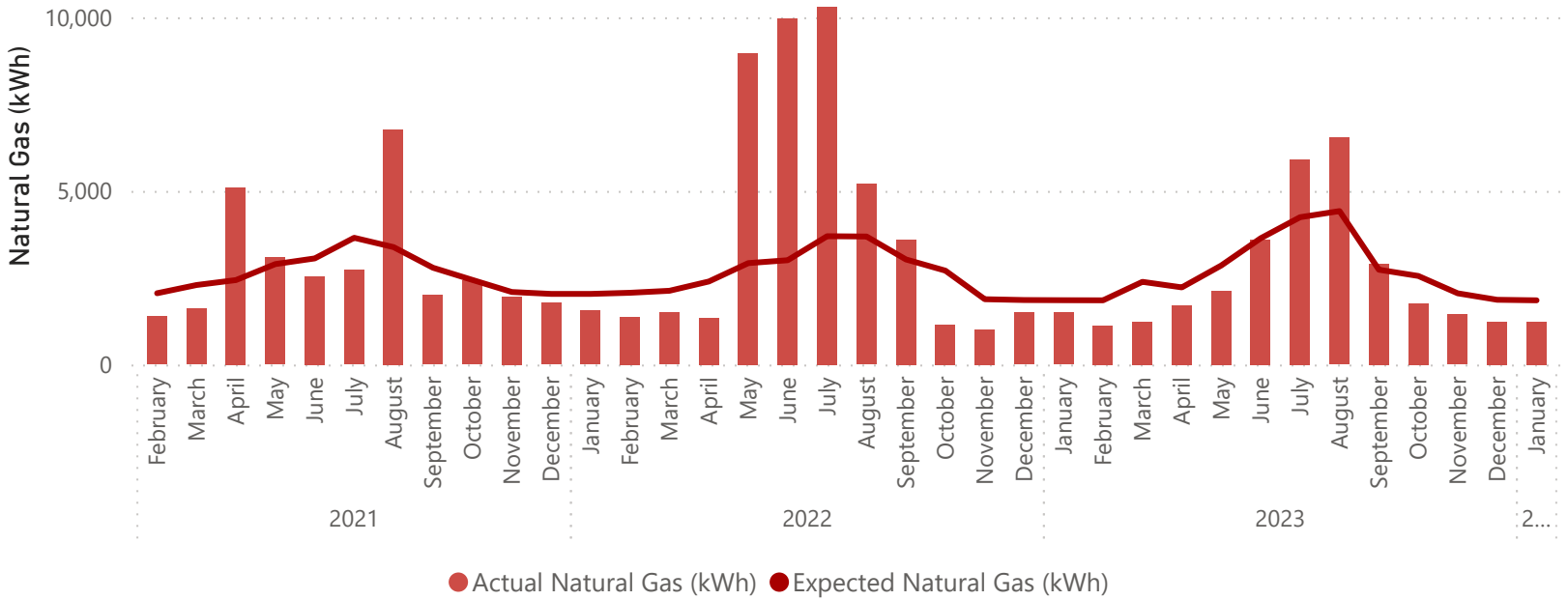


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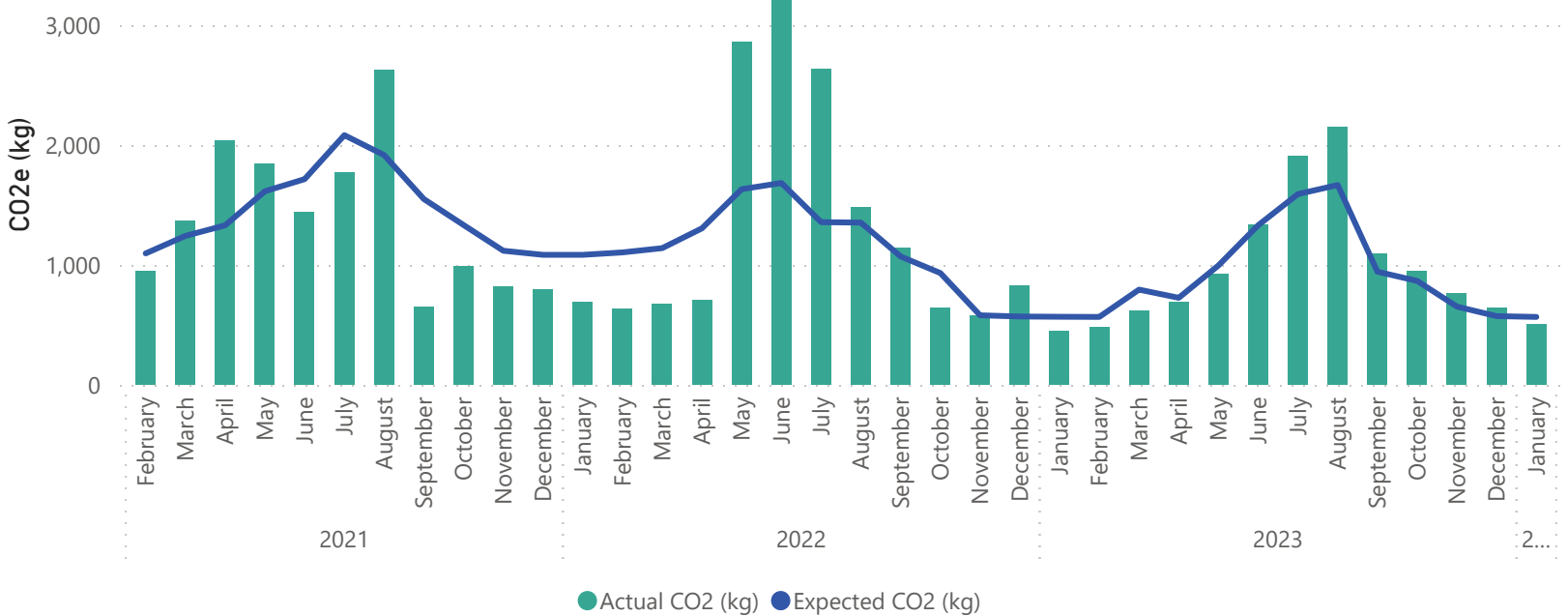
Whakatane District Council

War Memorial Hall

War Memorial Hall Natural Gas Compared to Baseline (kWh)



War Memorial Hall Carbon Emissions Compared to Baseline (kg CO2e)

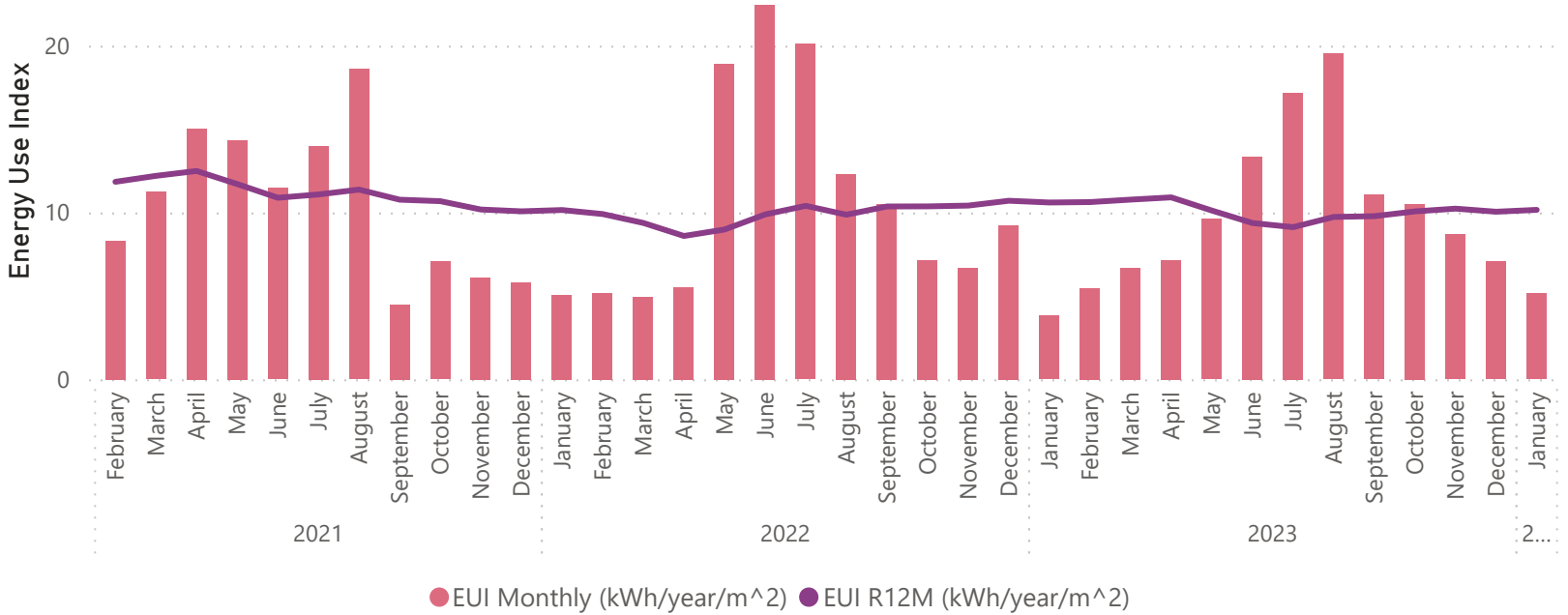


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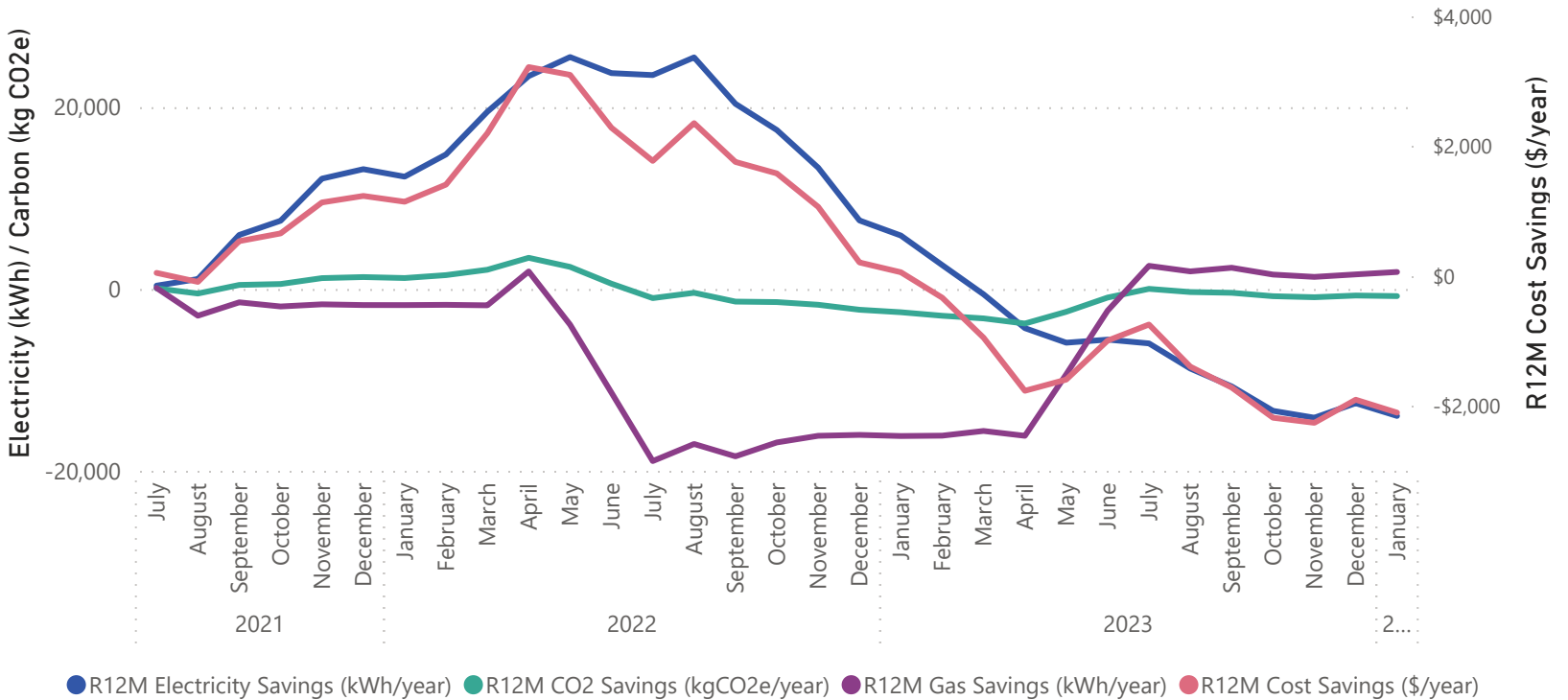
Whakatane District Council

War Memorial Hall

War Memorial Hall Energy Use Index by Month Compared to Rolling 12-Month Values



War Memorial Hall Rolling 12 Month Savings



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Whakatane District Council

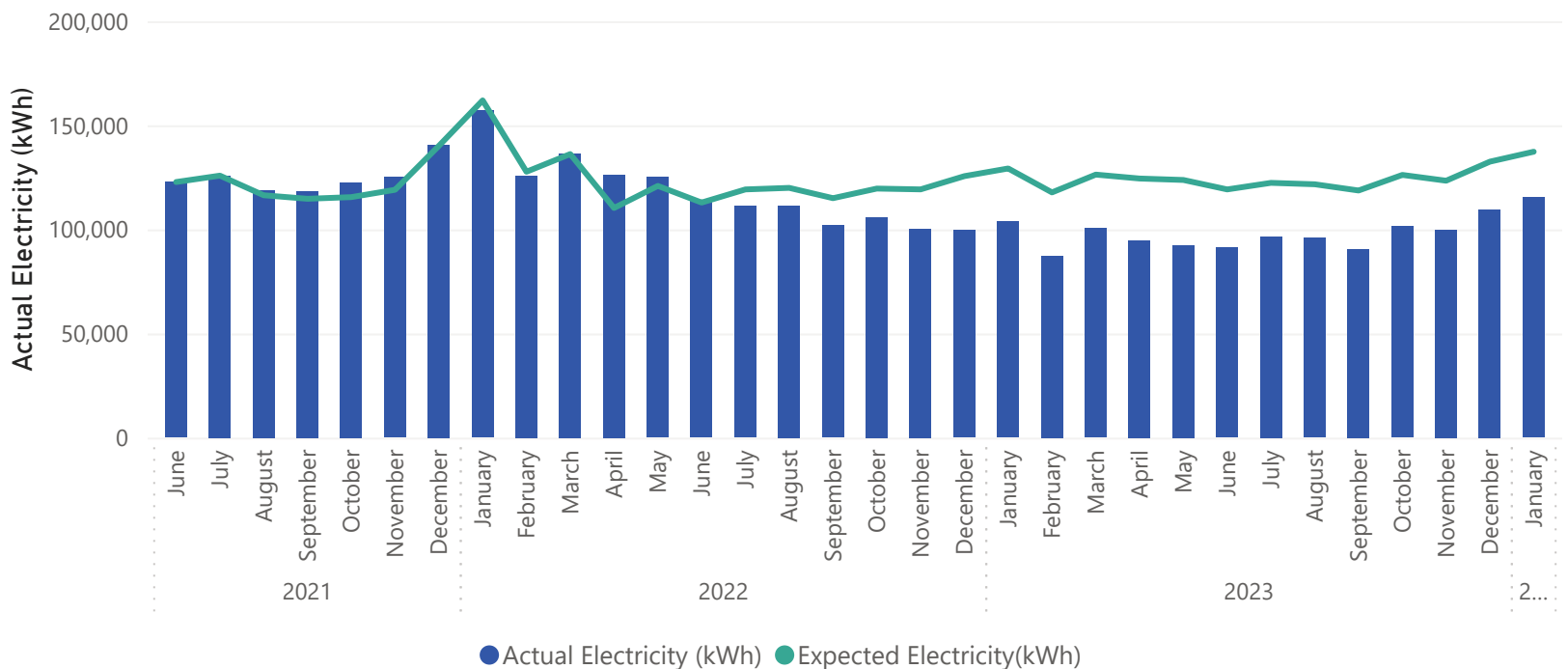
Water Treatment Plant

<p>\$3,133 Monthly Energy Cost Savings</p>	<p>21,872 Elec. Savings (kWh/mo)</p>	<p>16% Elec. Savings (%)</p>	<p>318,114 R12M Electricity Savings (kWh/yr)</p>	<p>1,811 CO2e Savings (kg/mo)</p>
<p>\$54,325 R12M Energy Cost Savings</p>				<p>26,340 R12M CO2e Savings (kg/yr)</p>

Comments:

Another month of savings has been achieved at the WTP in December 2023. Consistent savings between 15-25% have been observed since November 2022.

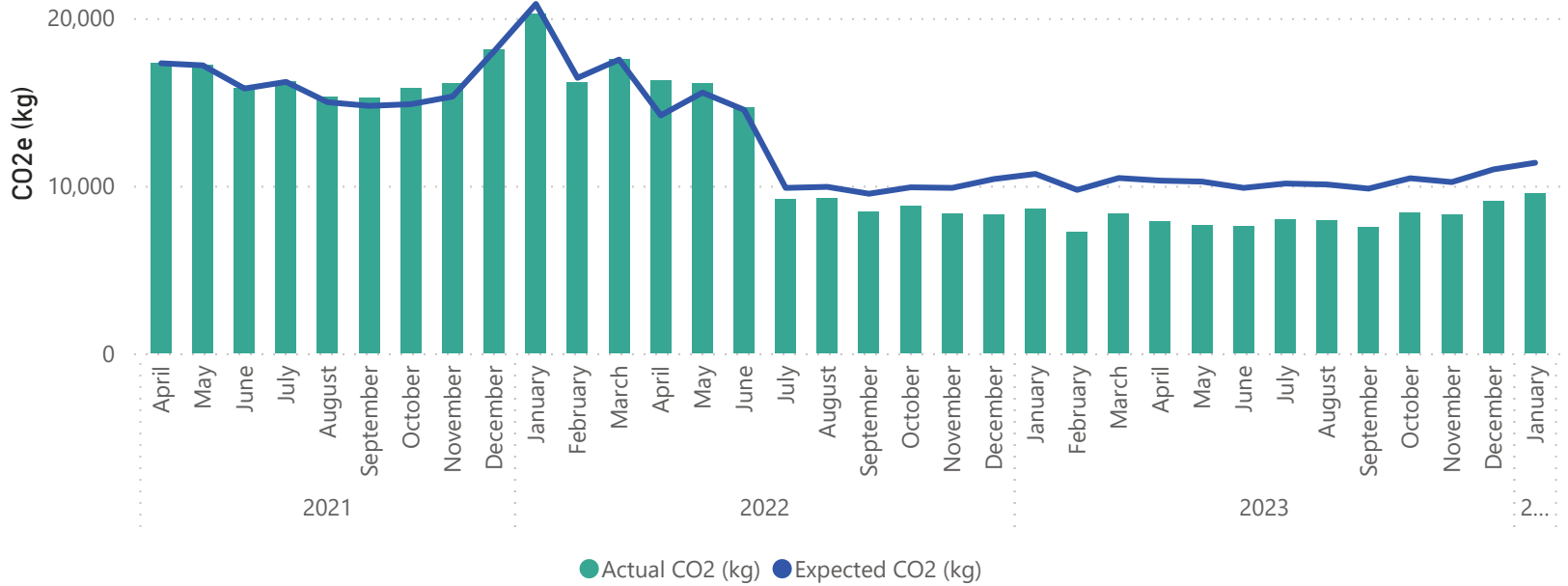
Water Treatment Plant Electricity Use Compared to Baseline (kWh)



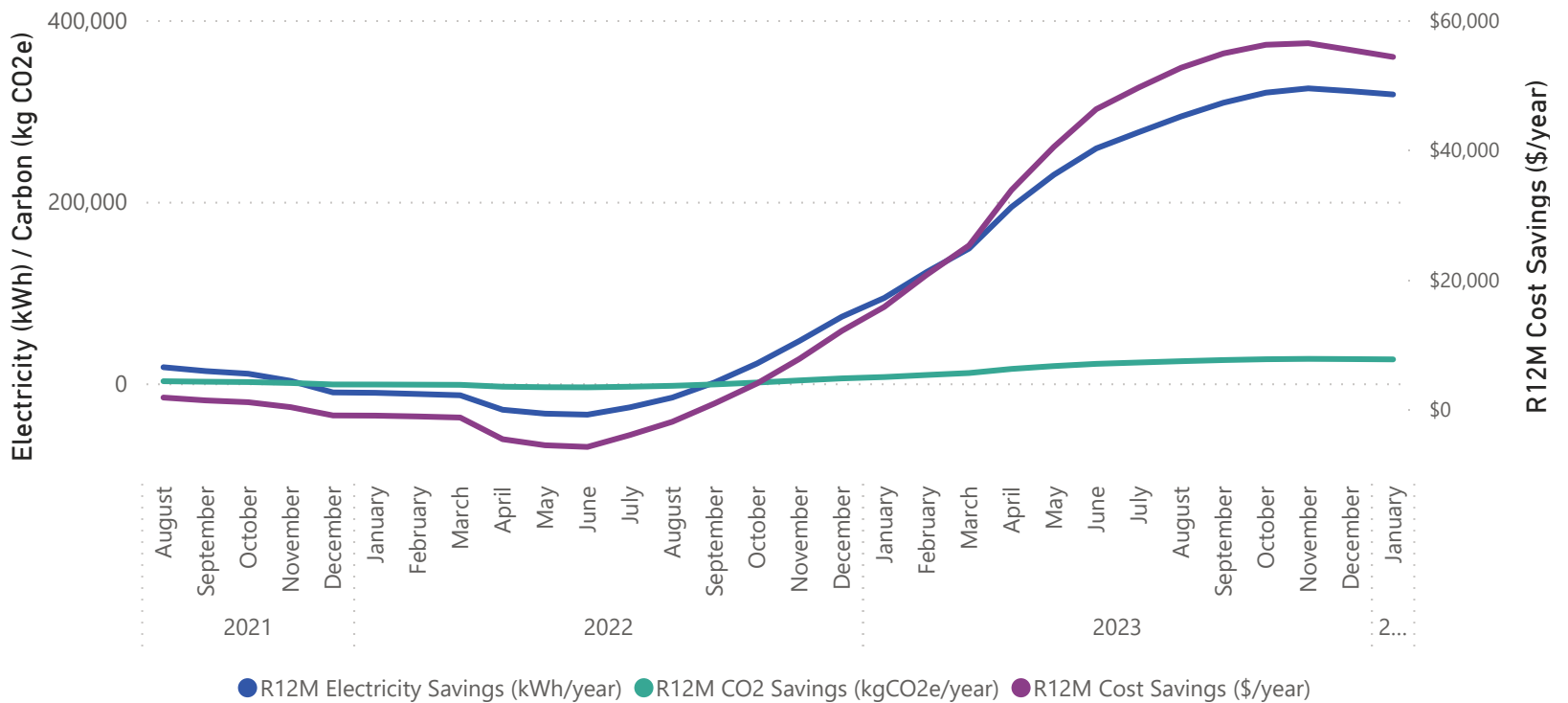
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Whakatane District Council Water Treatment Plant

Water Treatment Plant Carbon Emissions Compared to Baseline (kg CO₂e)



Water Treatment Plant Rolling 12 Month Savings

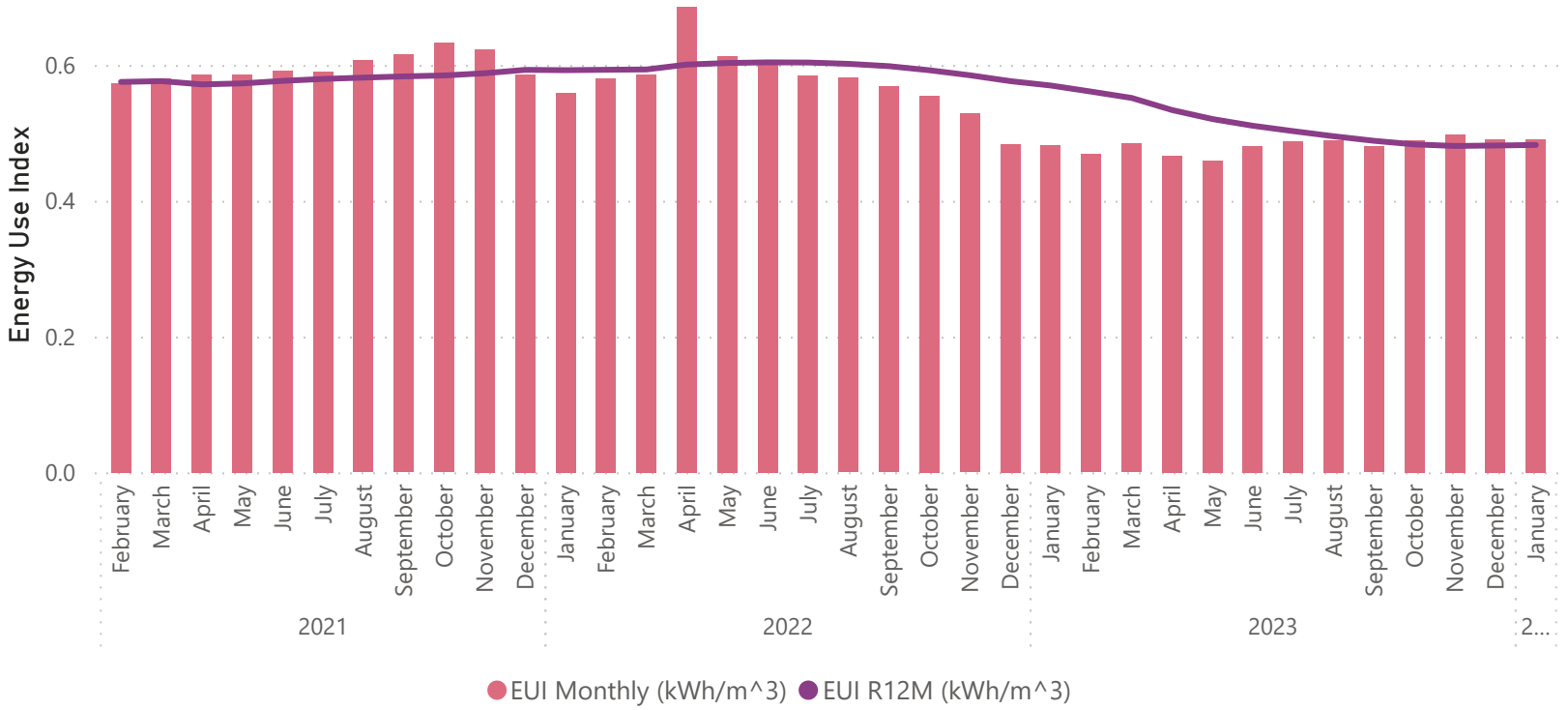


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Whakatane District Council

Water Treatment Plant

Water Treatment Plant Energy Use Index by Month Compared to Rolling 12-Month Values



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Whakatane District Council

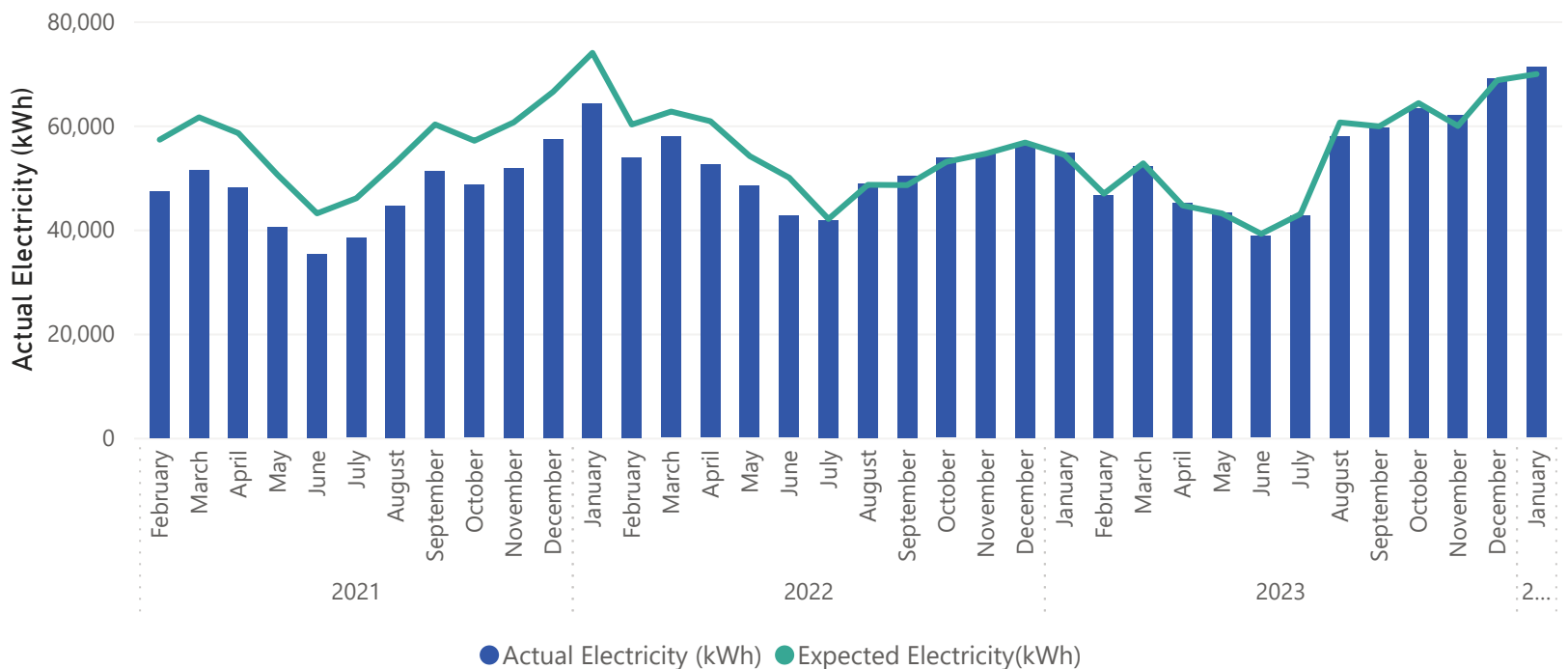
Braemar Road Pump Station

<p>-\$199 Monthly Energy Cost Savings</p>	<p>-1,369 -2% 828 Elec. Savings (kWh/mo) Elec. Savings (%) R12M Electricity Savings (kWh/yr)</p>			<p>-113 CO2e Savings (kg/mo)</p>
<p>\$293 R12M Energy Cost Savings</p>				<p>69 R12M CO2e Savings (kg/yr)</p>

Comments:

Braemar Rd pump station has been re-baselined this month, the baseline period is Jul 2023 to Jan 2024 and has an R2 value of 0.99. Work has been completed at which added filters and new low lift pumps to meet water quality requirements. A contractor was able to supply accurate flows, which show the impact of increased pumping requirements from new filters, using around 24% more electricity on average. New tags will be added to SCADA in future which will capture water metering.

Braemar Rd Pumps Electricity Use Compared to Baseline (kWh)

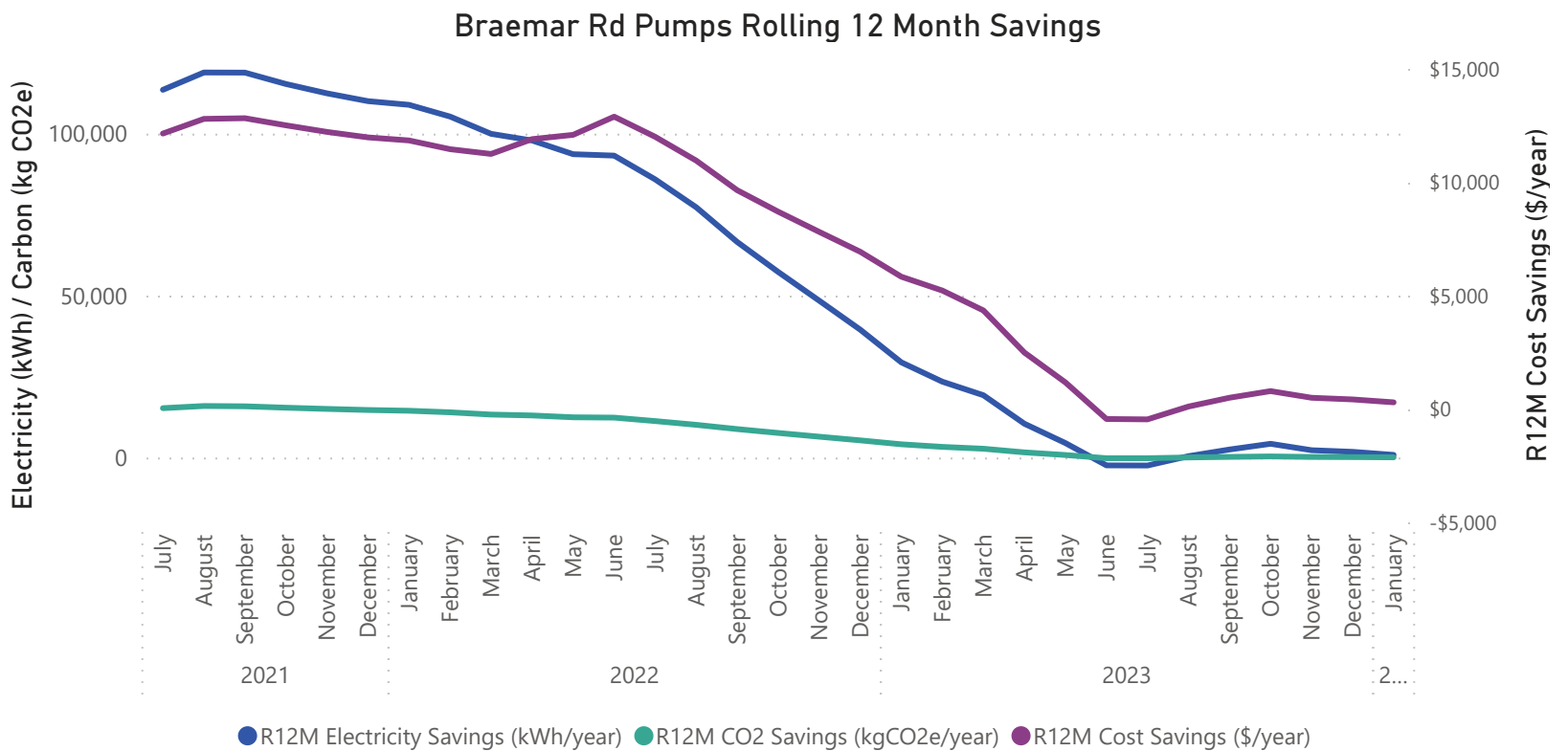
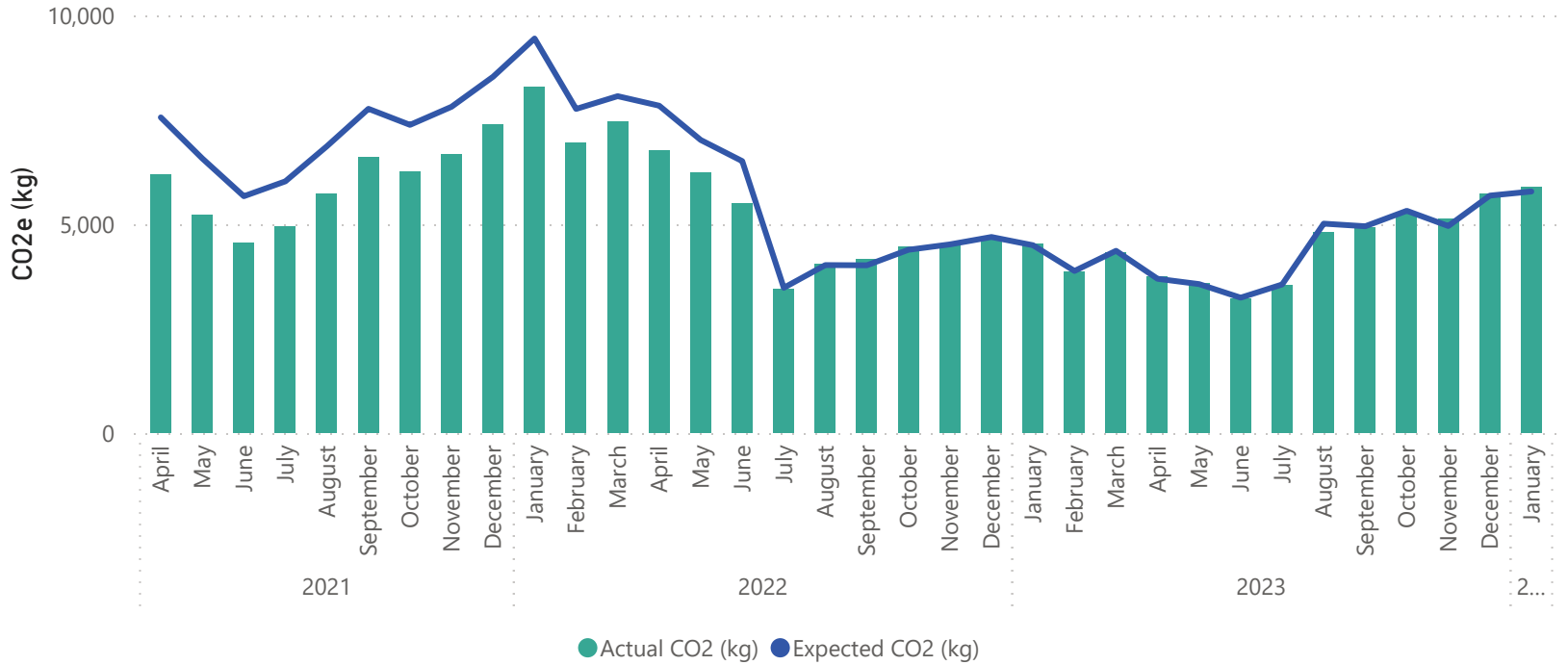


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Whakatane District Council

Braemar Road Pump Station

Braemar Rd Pumps Carbon Emissions Compared to Baseline (kg CO2e)

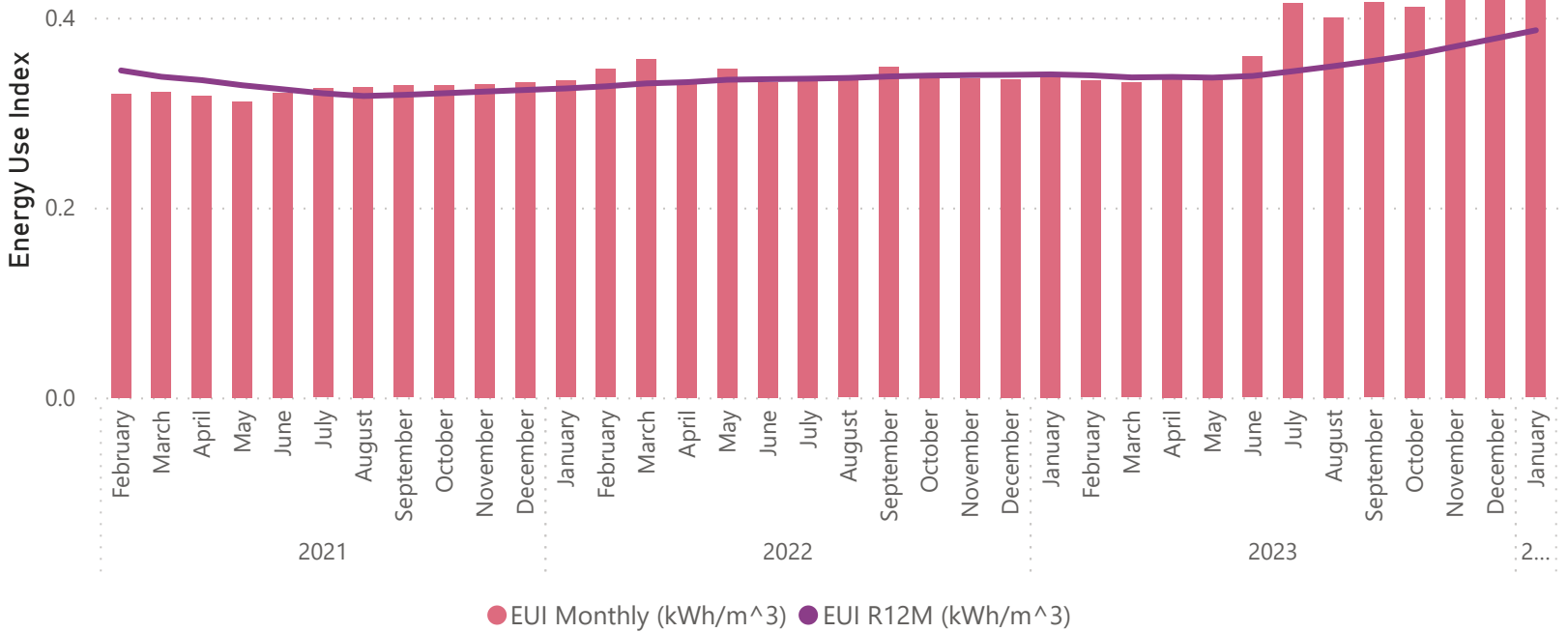


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Whakatane District Council

Braemar Road Pump Station

Braemar Rd Pumps Energy Use Index by Month Compared to Rolling 12-Month Values



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Whakatane District Council

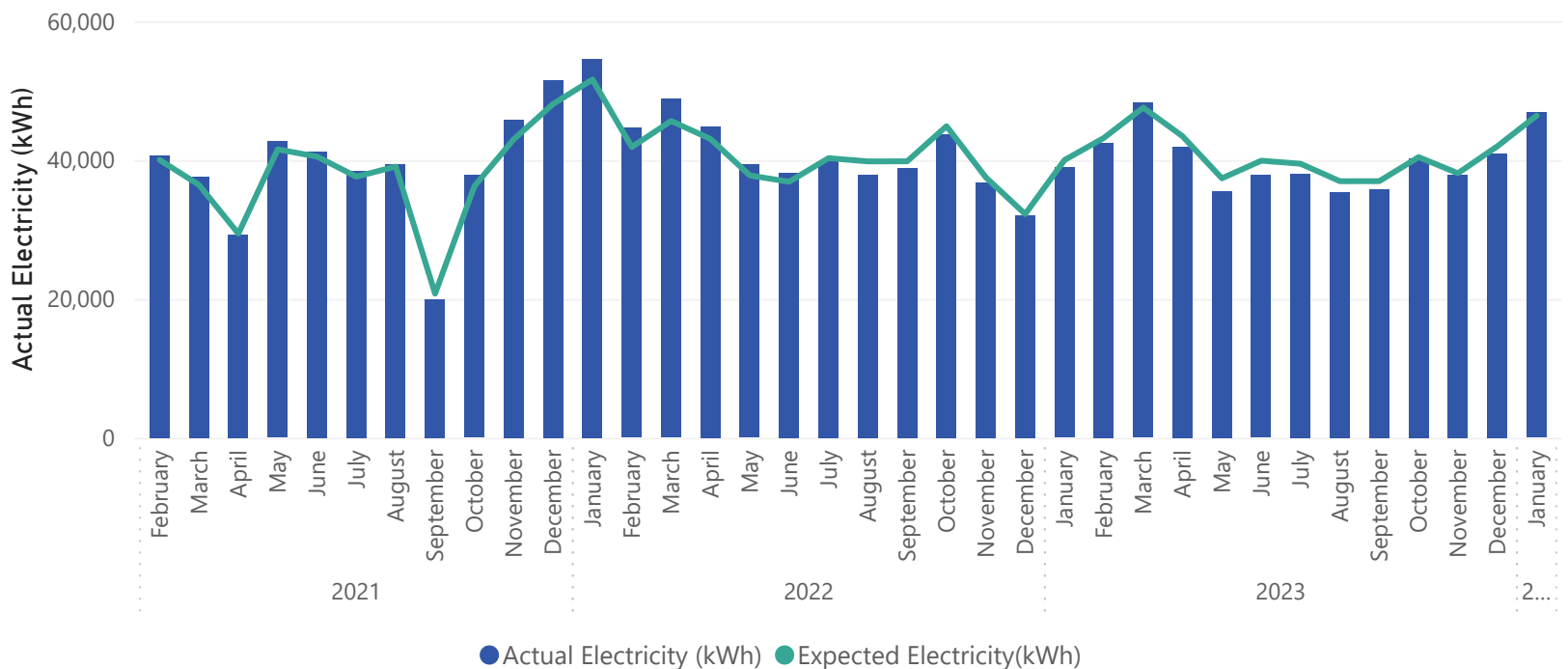
Paul Road Pump Station

<p>-\$67 Monthly Energy Cost Savings</p>	<p>-466 Elec. Savings (kWh/mo)</p>	<p>-1% Elec. Savings (%)</p>	<p>10,726 R12M Electricity Savings (kWh/yr)</p>	<p>-39 CO2e Savings (kg/mo)</p>
<p>\$1,977 R12M Energy Cost Savings</p>				<p>888 R12M CO2e Savings (kg/yr)</p>

Comments:

Electricity use was close to expected at Paul Road Pump Station. Energy performance has been consistent each month from April 2023, with savings or marginal increase above expected electricity.

Paul Rd Pumps Electricity Use Compared to Baseline (kWh)

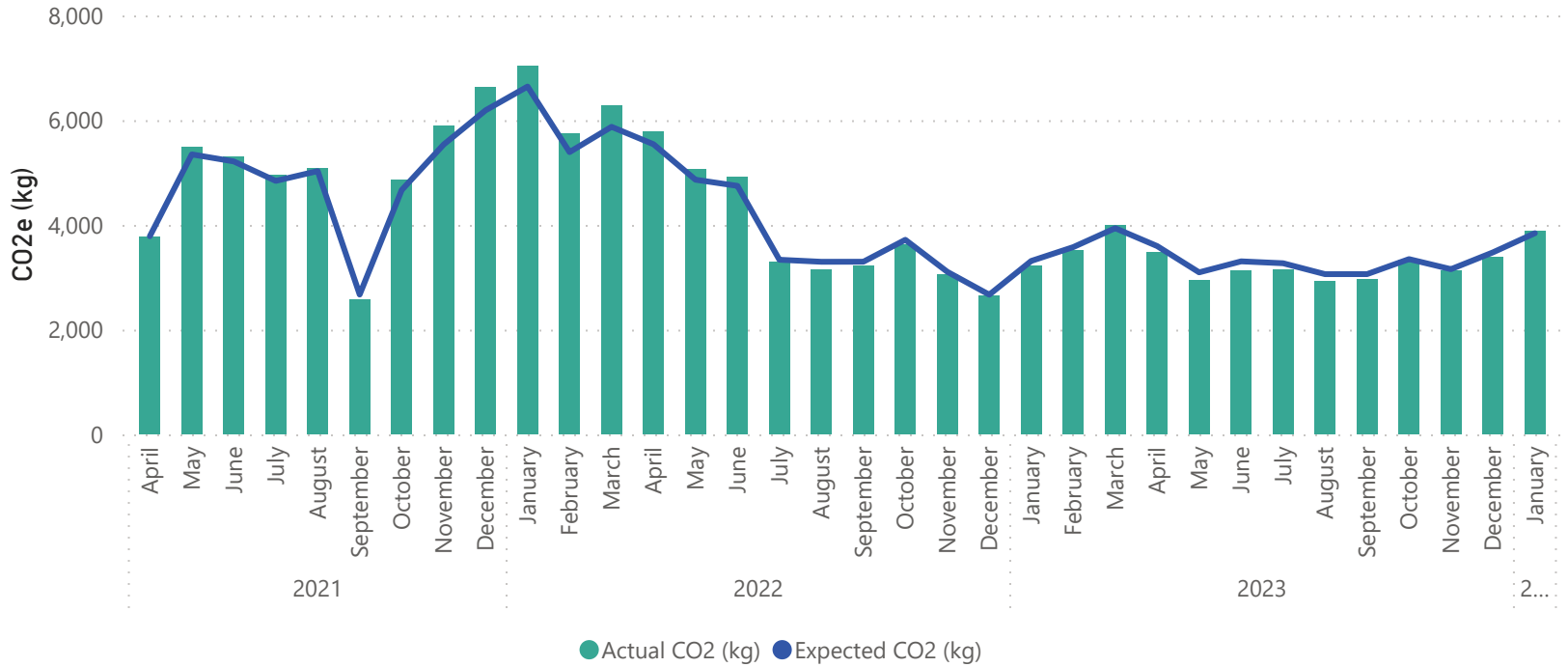


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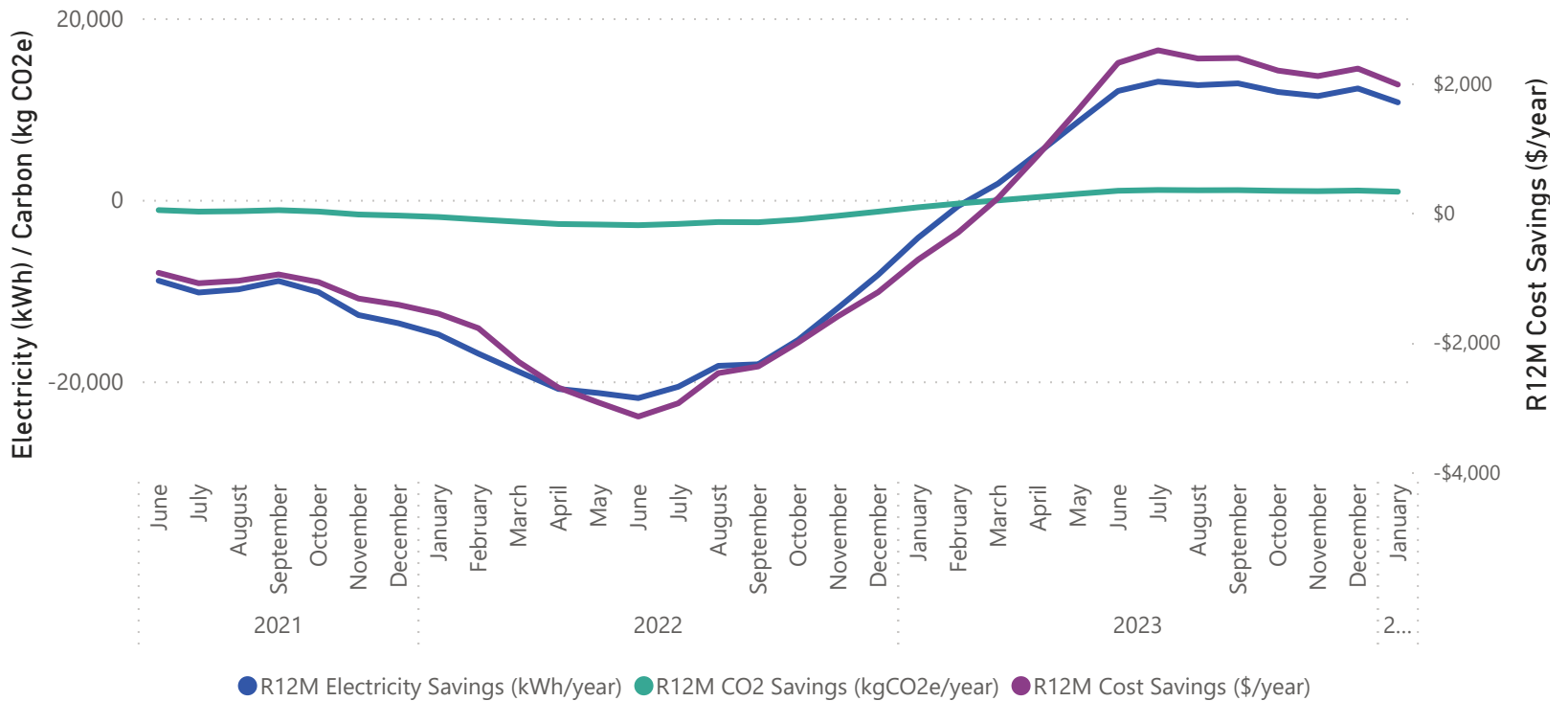
Whakatane District Council

Paul Road Pump Station

Paul Rd Pumps Carbon Emissions Compared to Baseline (kg CO2e)



Paul Rd Pumps Rolling 12 Month Savings

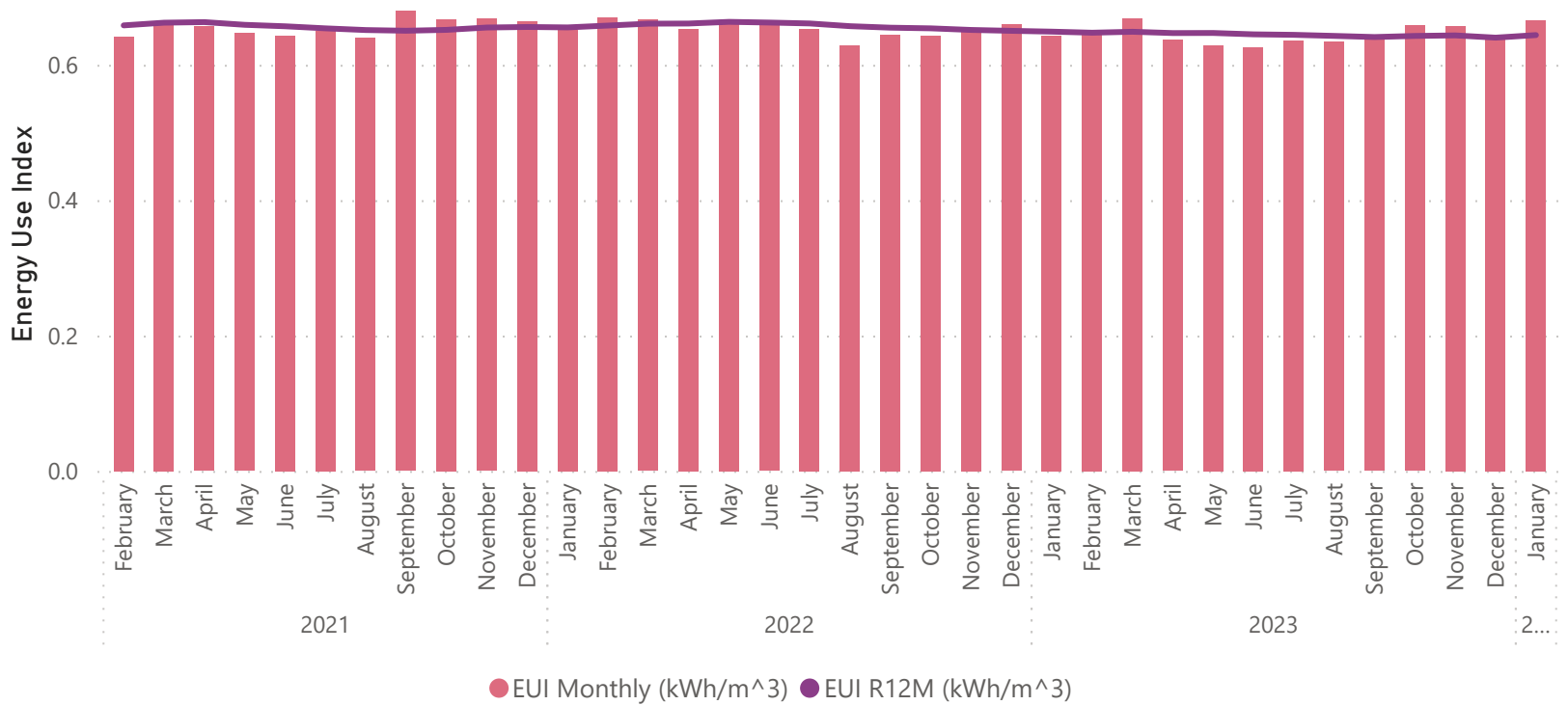


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Paul Road Pump Station

Paul Rd Pumps Energy Use Index by Month Compared to Rolling 12-Month Values



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time
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Whakatane District Council

Johnson Road Pump Station

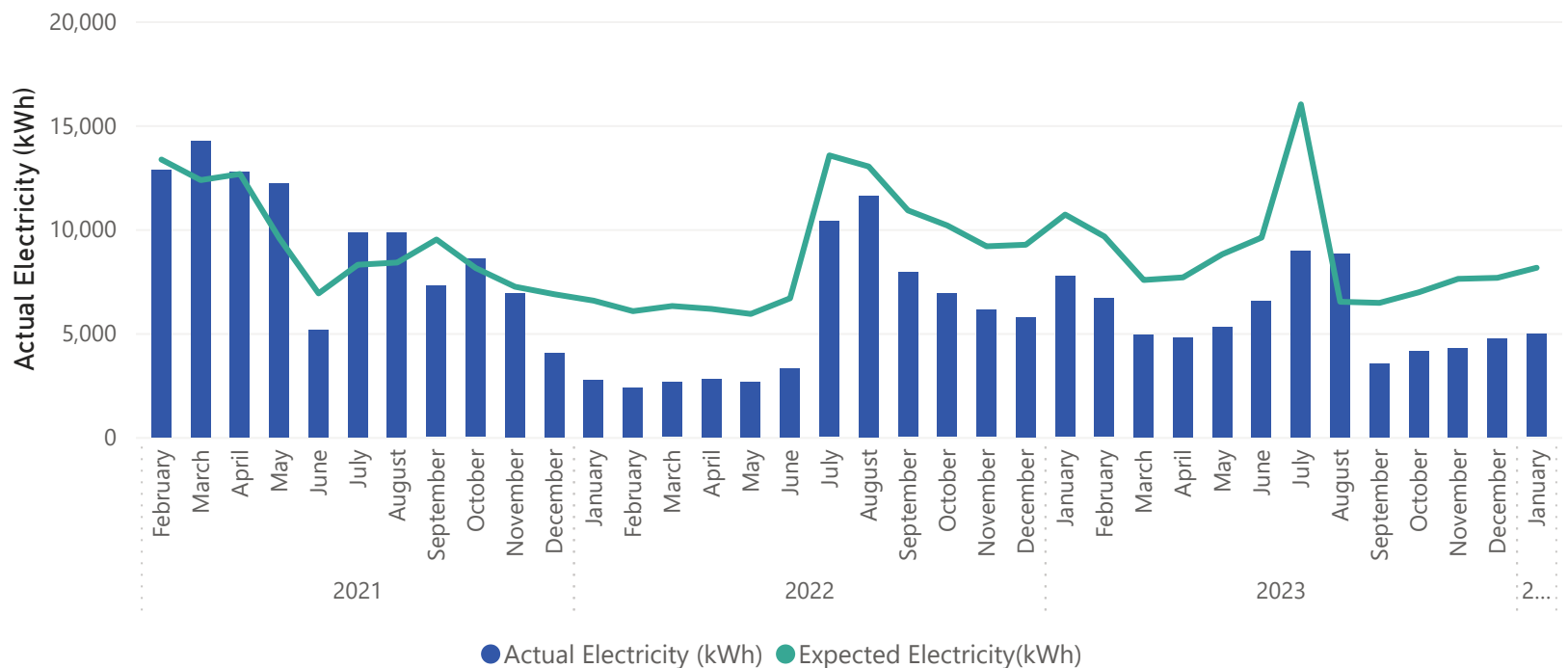
<p>\$707</p> <p>Monthly Energy Cost Savings</p>	<p>3,179</p> <p>Elec. Savings (kWh/mo)</p>	<p>39%</p> <p>Elec. Savings (%)</p>	<p>34,837</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>263</p> <p>CO2e Savings (kg/mo)</p>
<p>\$7,605</p> <p>R12M Energy Cost Savings</p>			<p>2,885</p> <p>R12M CO2e Savings (kg/yr)</p>	

Comments:

Johnson Rd Pump used 39% less electricity than expected. Over the past 5 months demand has been increased steadily.

The pump has been achieving consistent savings from Dec 2021, with the exception of August 2023, which may be due to when the electricity meter was read or the increased electricity use may be due to some interactive effects between Johnson and Braemar Rd pump stations.

Johnson Rd Pumps Electricity Use Compared to Baseline (kWh)

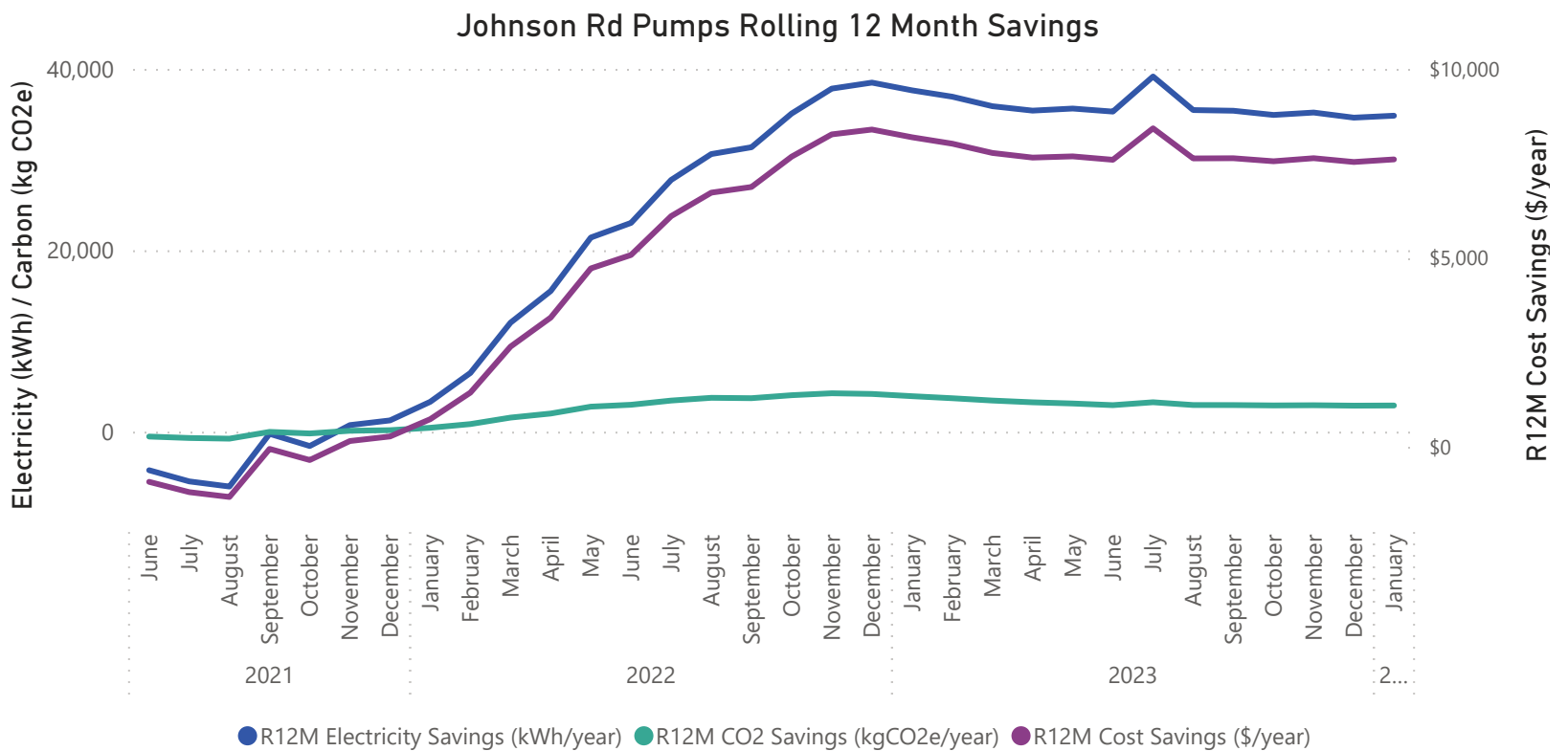
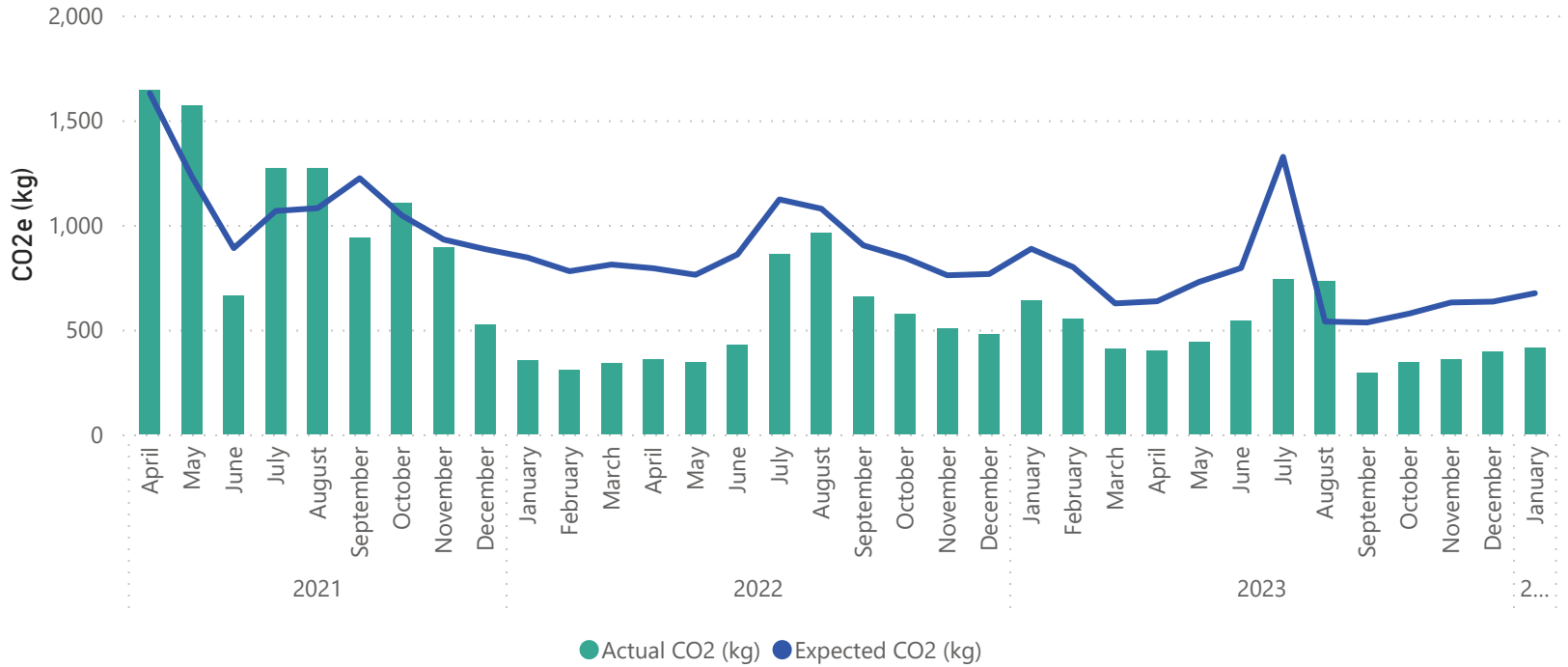


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Johnson Road Pump Station

Johnson Rd Pumps Carbon Emissions Compared to Baseline (kg CO2e)

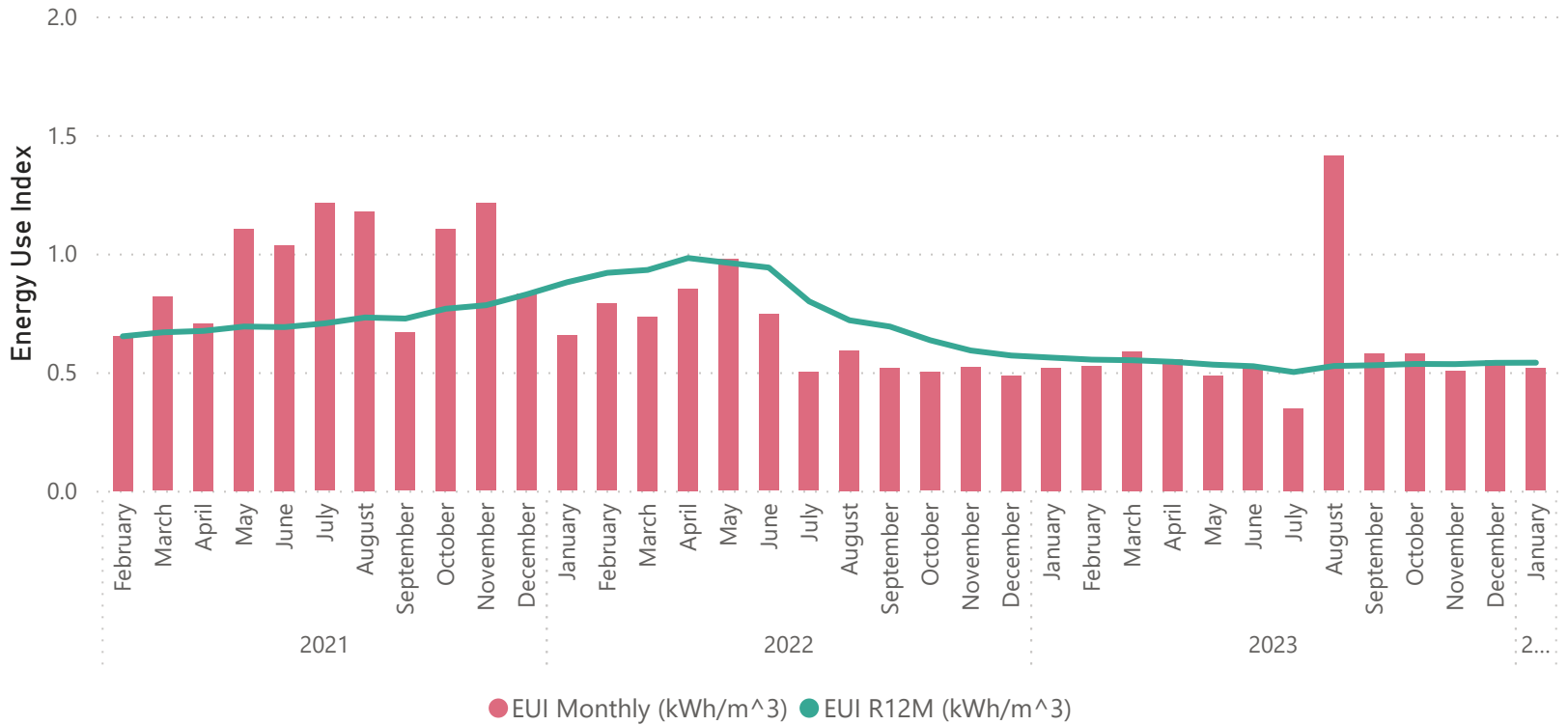


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Johnson Road Pump Station

Johnson Rd Pumps Energy Use Index by Month Compared to Rolling 12-Month Values



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time
Baselines were updated for all sites from July 2022.

Whakatane District Council

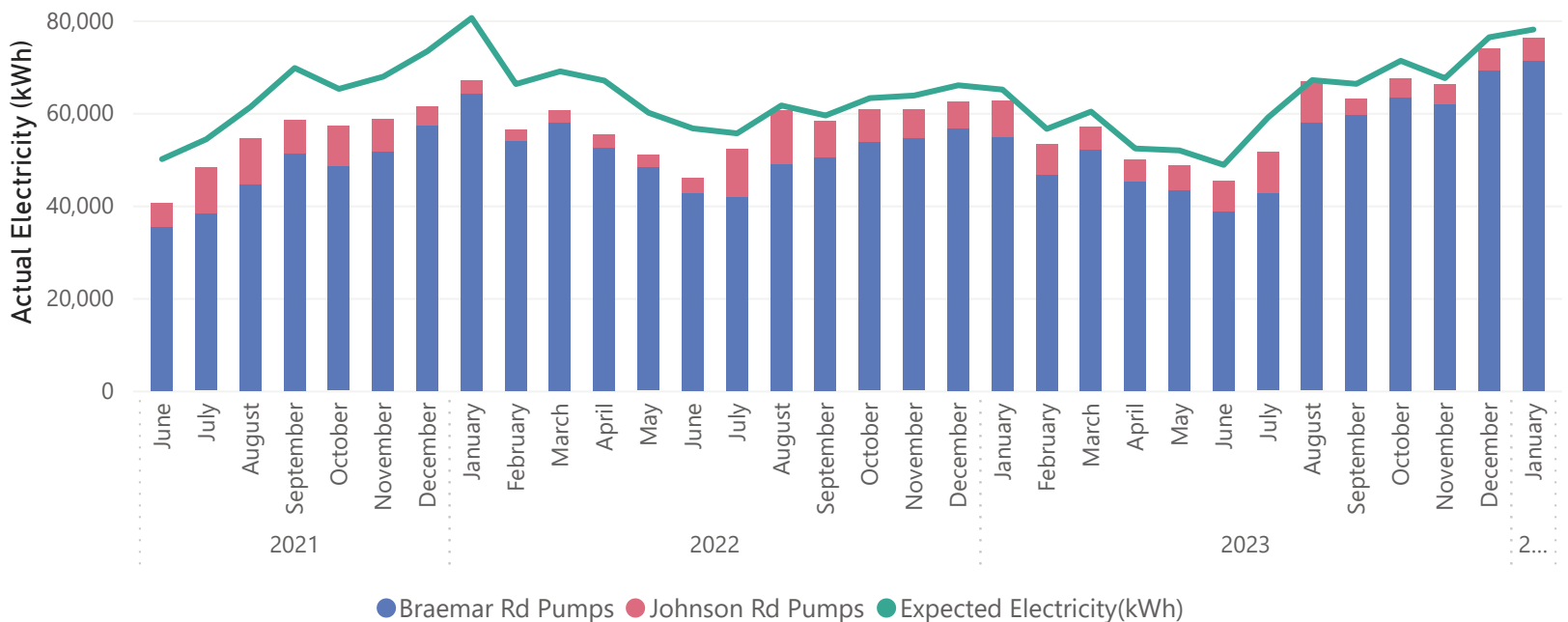
Johnson and Braemar Rd Pump Stations

<p>\$508 Monthly Energy Cost Savings</p>	<p>1,810 Elec. Savings (kWh/mo)</p>	<p>2% Elec. Savings (%)</p>	<p>35,665 R12M Electricity Savings (kWh/yr)</p>	<p>150 CO2e Savings (kg/mo)</p>
<p>\$7,898 R12M Energy Cost Savings</p>				<p>2,953 R12M CO2e Savings (kg/yr)</p>

Comments:

Braemar Rd pump station has been re-baselined due to new pumping requirements from additional screens added, which has increased electricity use by approximately 24%.

Johnson and Braemar Rd Pump Stations Electricity Use Compared to Baseline (kWh)

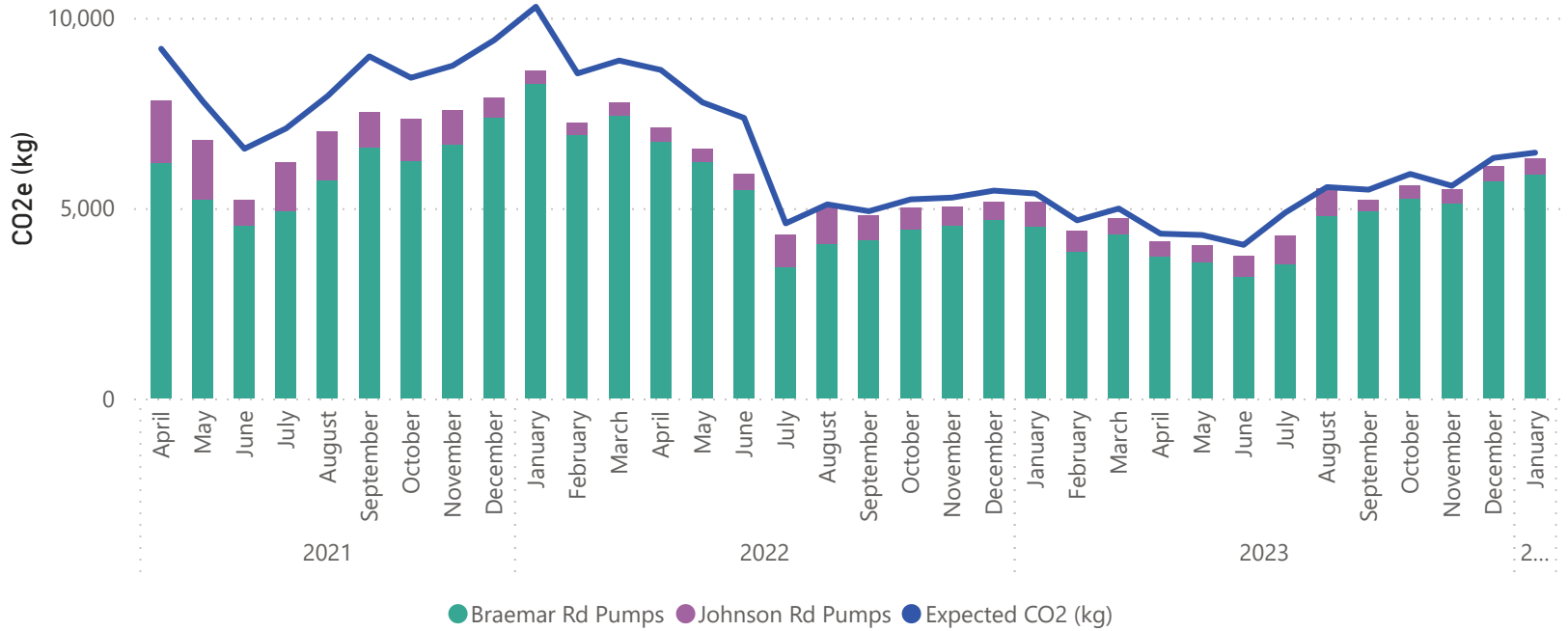


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time
Baselines were updated for all sites from July 2022.

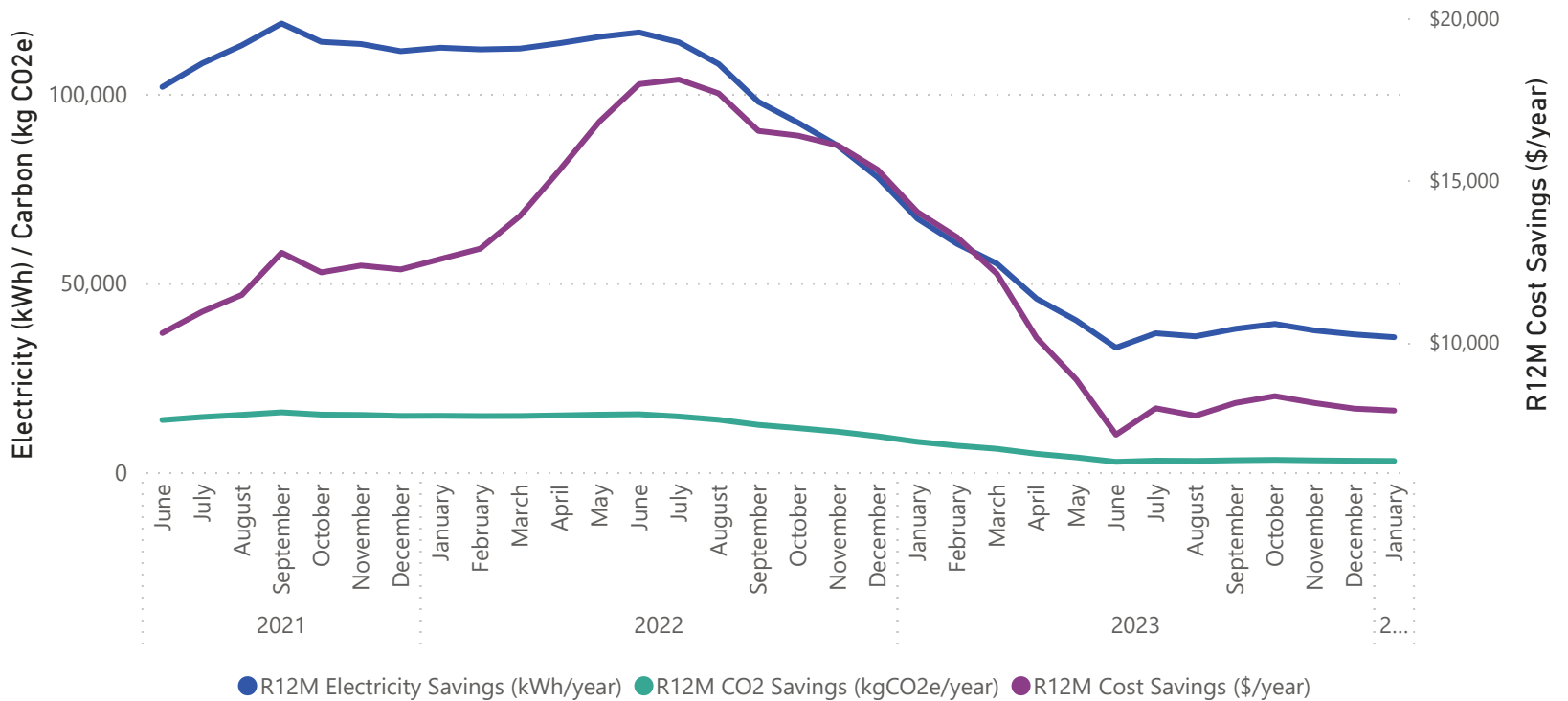
Whakatane District Council

Johnson and Braemar Rd Pump Stations

Johnson and Braemar Rd Pump Stations Carbon Emissions Compared to Baseline (kWh)



Johnson and Braemar Rd Pump Stations Cumulative Rolling 12 Month Savings

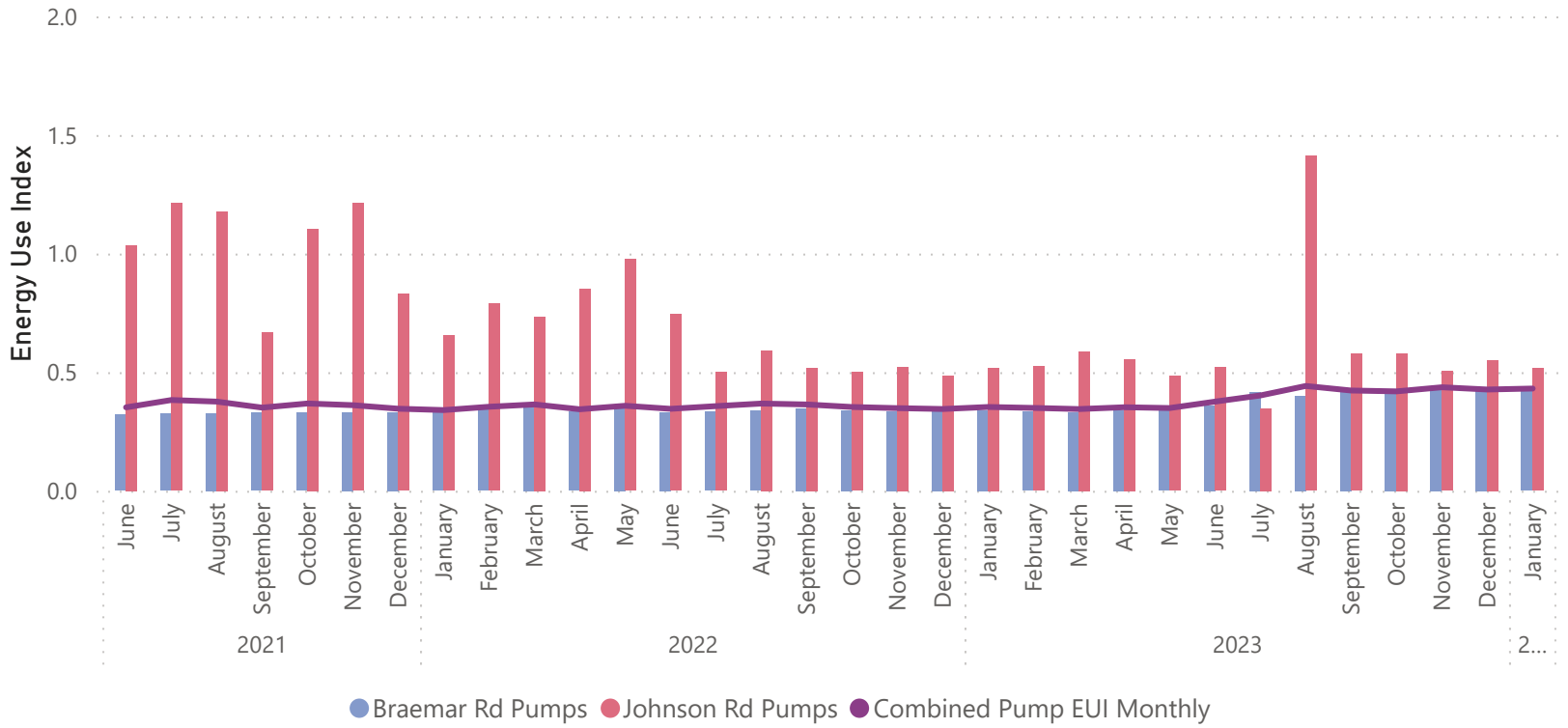


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Johnson and Braemar Rd Pump Stations

Johnson and Braemar Rd Pump Stations Energy Use Index by Month



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time
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Whakatane District Council

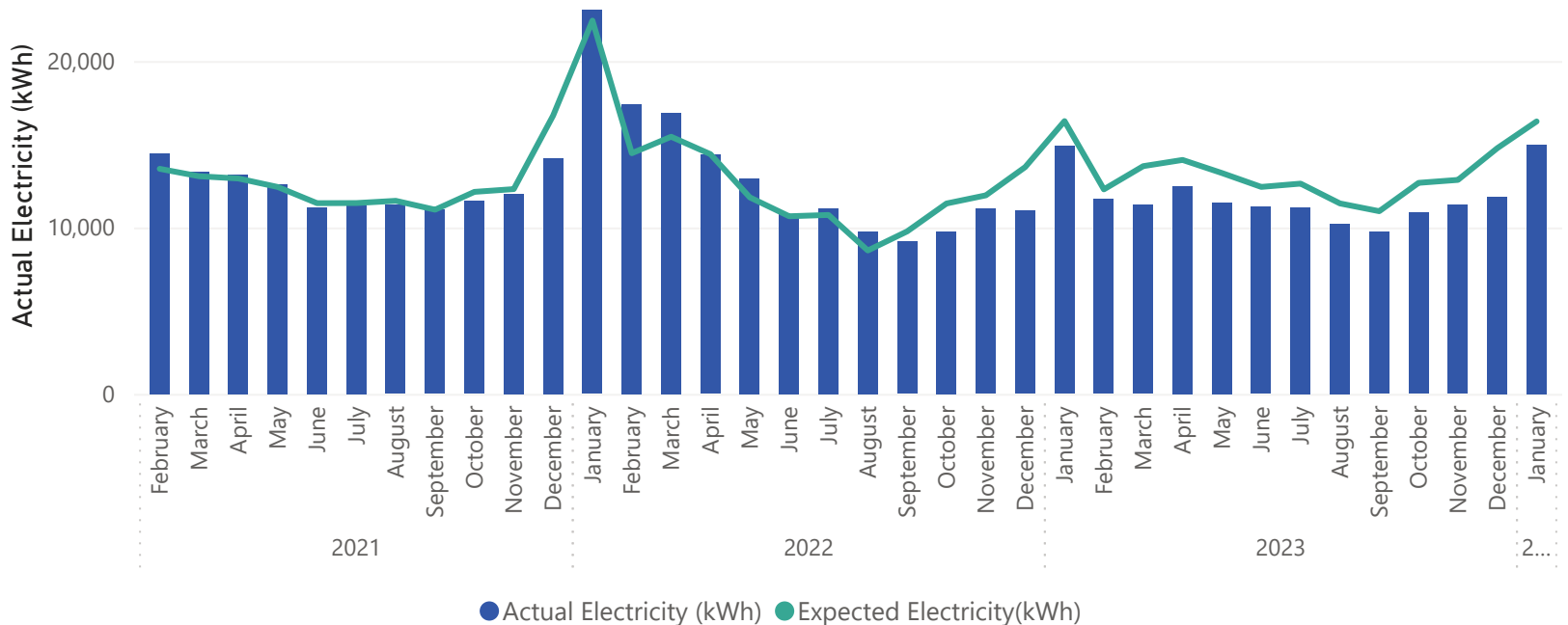
Bridger Glade Pump Station

<p>\$248</p> <p>Monthly Energy Cost Savings</p>	<p>1,402</p> <p>Elec. Savings (kWh/mo)</p>	<p>9%</p> <p>Elec. Savings (%)</p>	<p>18,988</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>116</p> <p>CO2e Savings (kg/mo)</p>
<p>\$3,356</p> <p>R12M Energy Cost Savings</p>				<p>1,572</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Bridger Glade Pump Station has used less electricity than expected since September 2022, which is excellent. This is due to new supply pumps that were installed in late August 2022. Savings over the past year are \$3,400, 19,000 kWh, and 1,570 kg CO2e.

Bridger Glade Pumps Electricity Use Compared to Baseline (kWh)

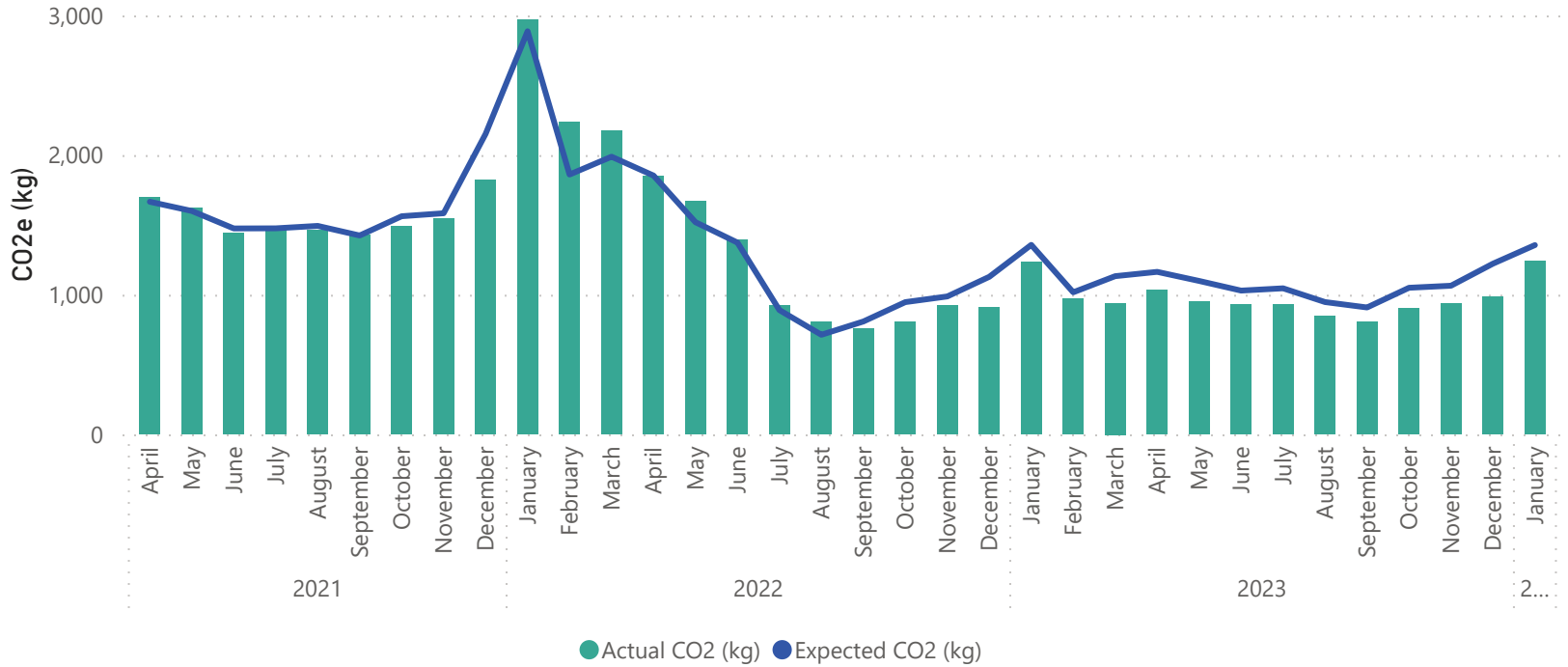


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

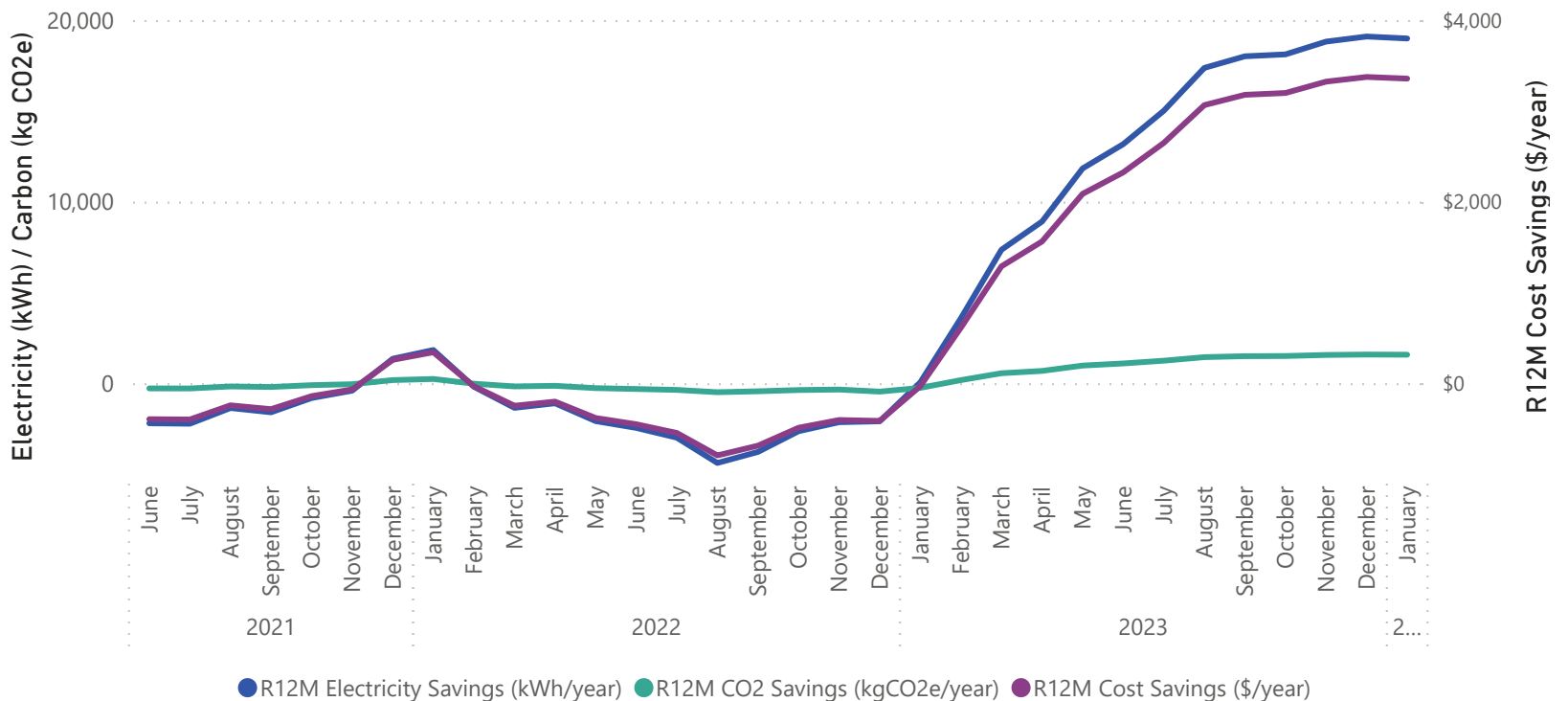
Whakatane District Council

Bridger Glade Pump Station

Bridger Glade Pumps Carbon Emissions Compared to Baseline (kg CO2e)



Bridger Glade Pumps Rolling 12 Month Savings

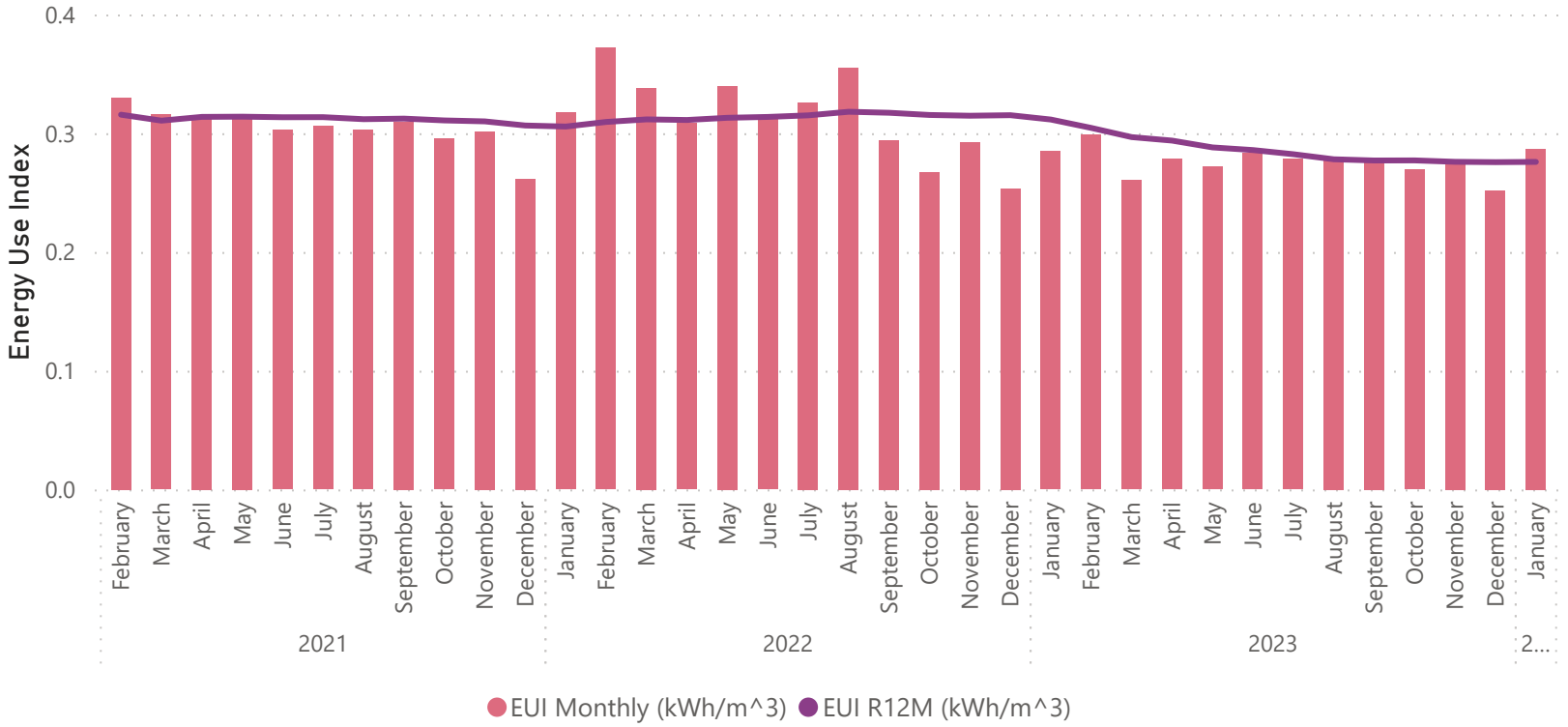


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Bridger Glade Pump Station

Bridger Glade Pumps Energy Use Index by Month Compared to Rolling 12-Month Values



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time
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Whakatane District Council

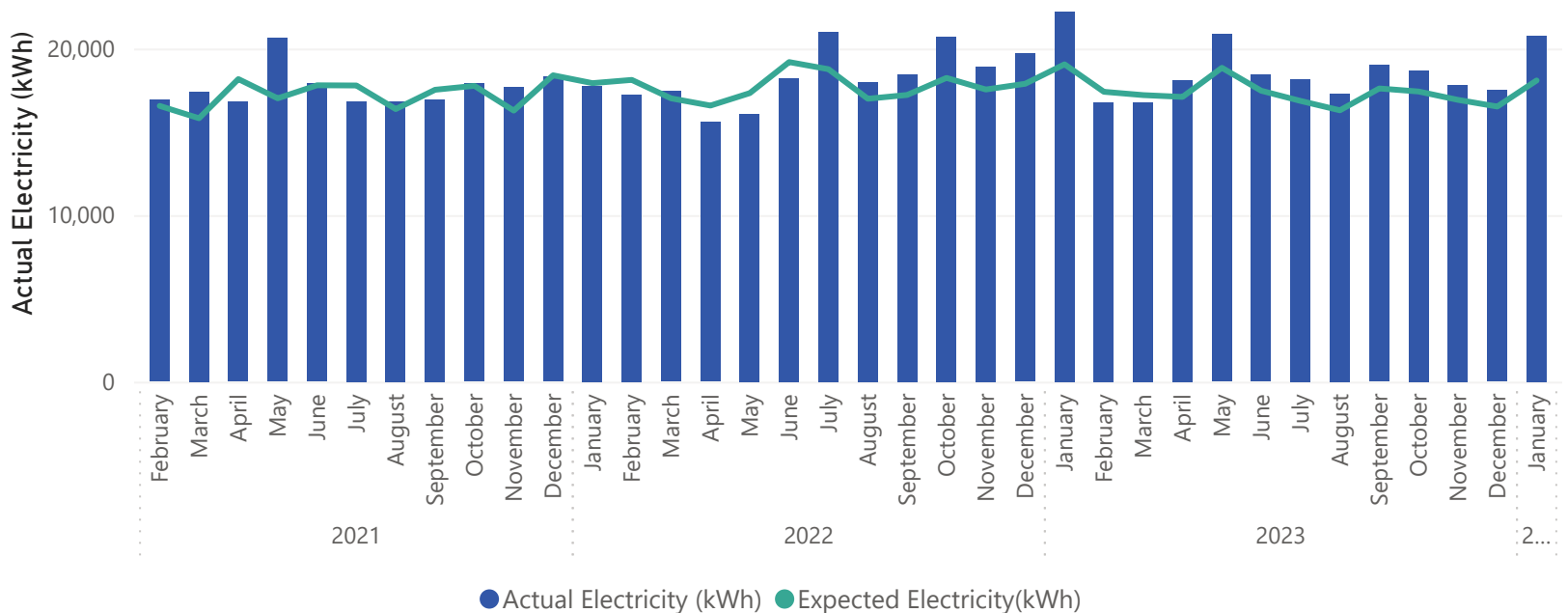
Ohope Oxidation Ponds

<p>-\$486 Monthly Energy Cost Savings</p>	<p>-2,682 Elec. Savings (kWh/mo)</p>	<p>-15% Elec. Savings (%)</p>	<p>-12,369 R12M Electricity Savings (kWh/yr)</p>	<p>-222 CO2e Savings (kg/mo)</p>
<p>-\$2,213 R12M Energy Cost Savings</p>				<p>-1,024 R12M CO2e Savings (kg/yr)</p>

Comments:

Ohope Oxidation Ponds have used more electricity than expected in 11 of the last 12 months. Rainfall has generally been higher than usual, which may contribute to higher electricity usage. The monthly EUI in January is less than average for the past 12 months.

Ohope Oxidation Ponds Electricity Use Compared to Baseline (kWh)

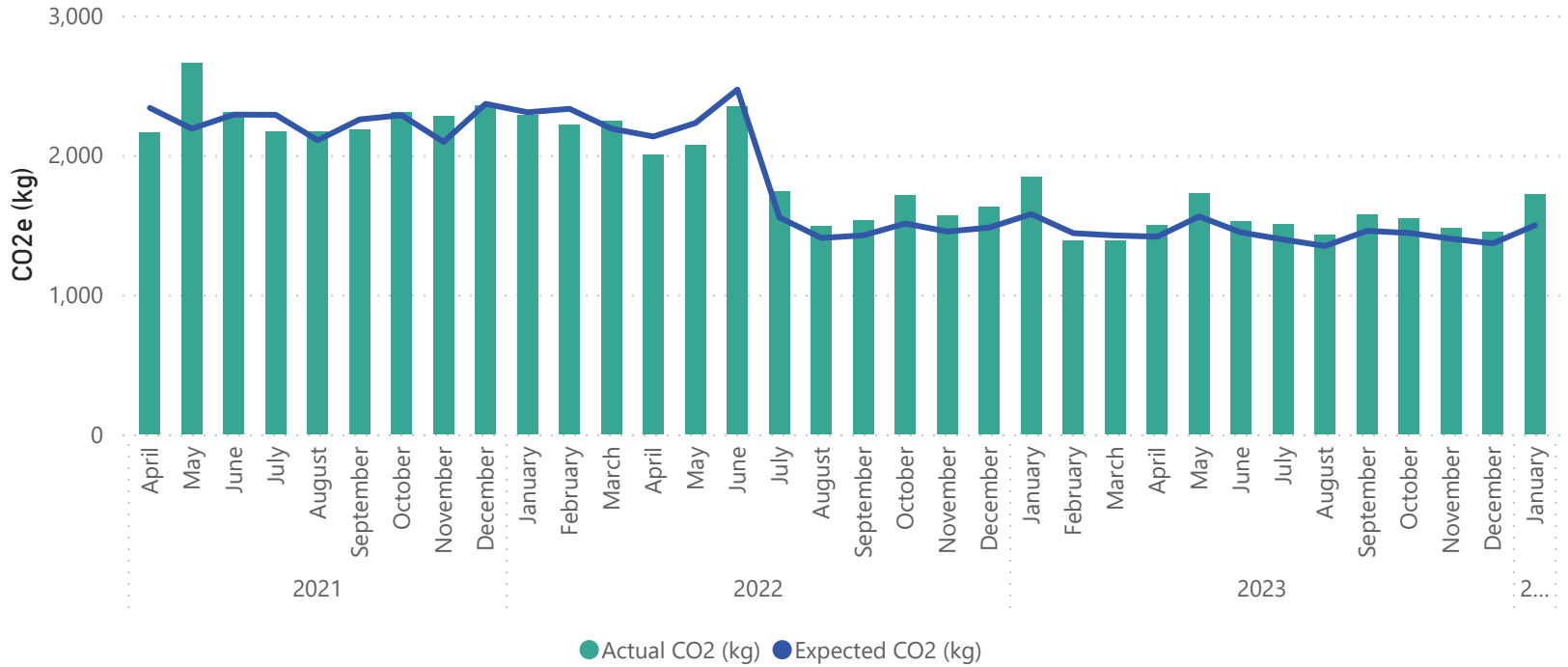


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

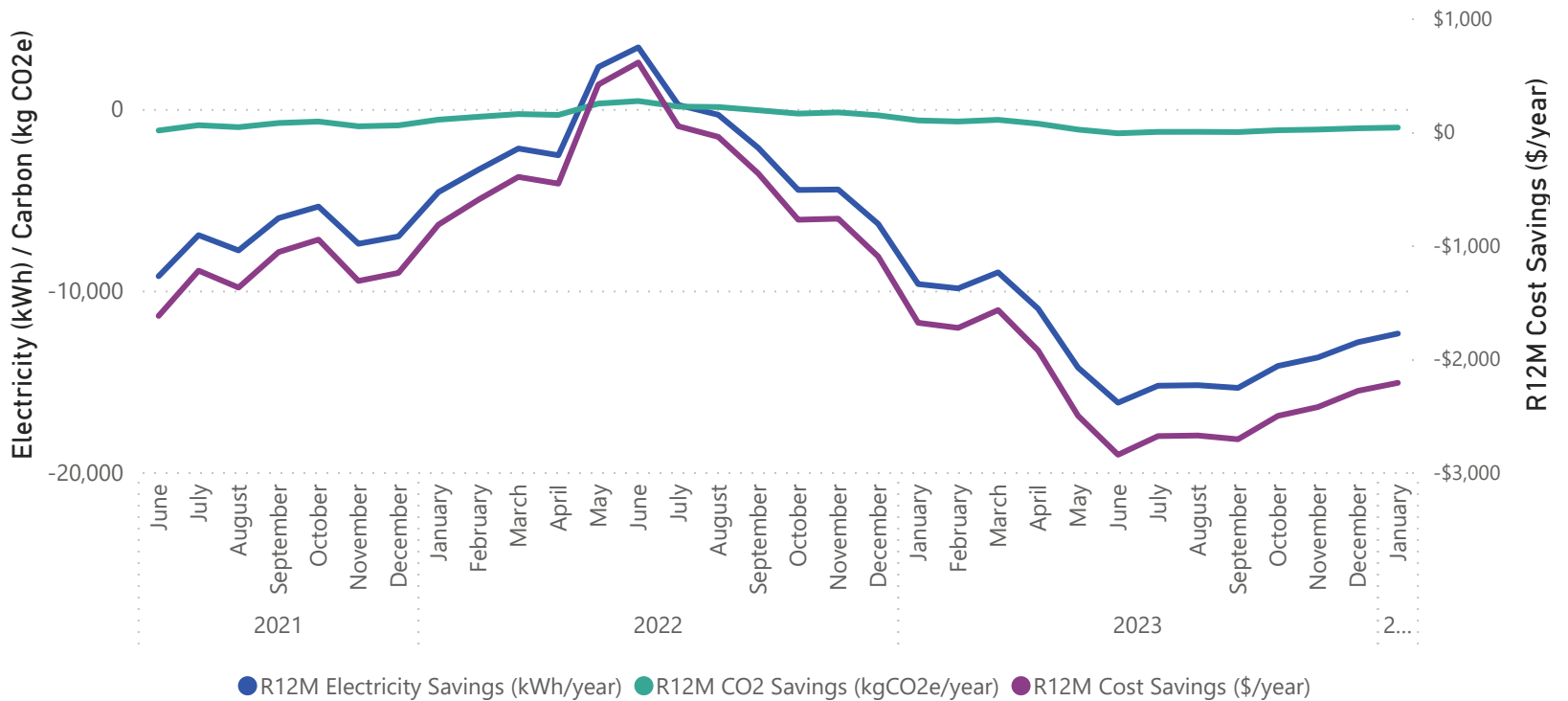
Whakatane District Council

Ohope Oxidation Ponds

Ohope Oxidation Ponds Carbon Emissions Compared to Baseline (kg CO2e)



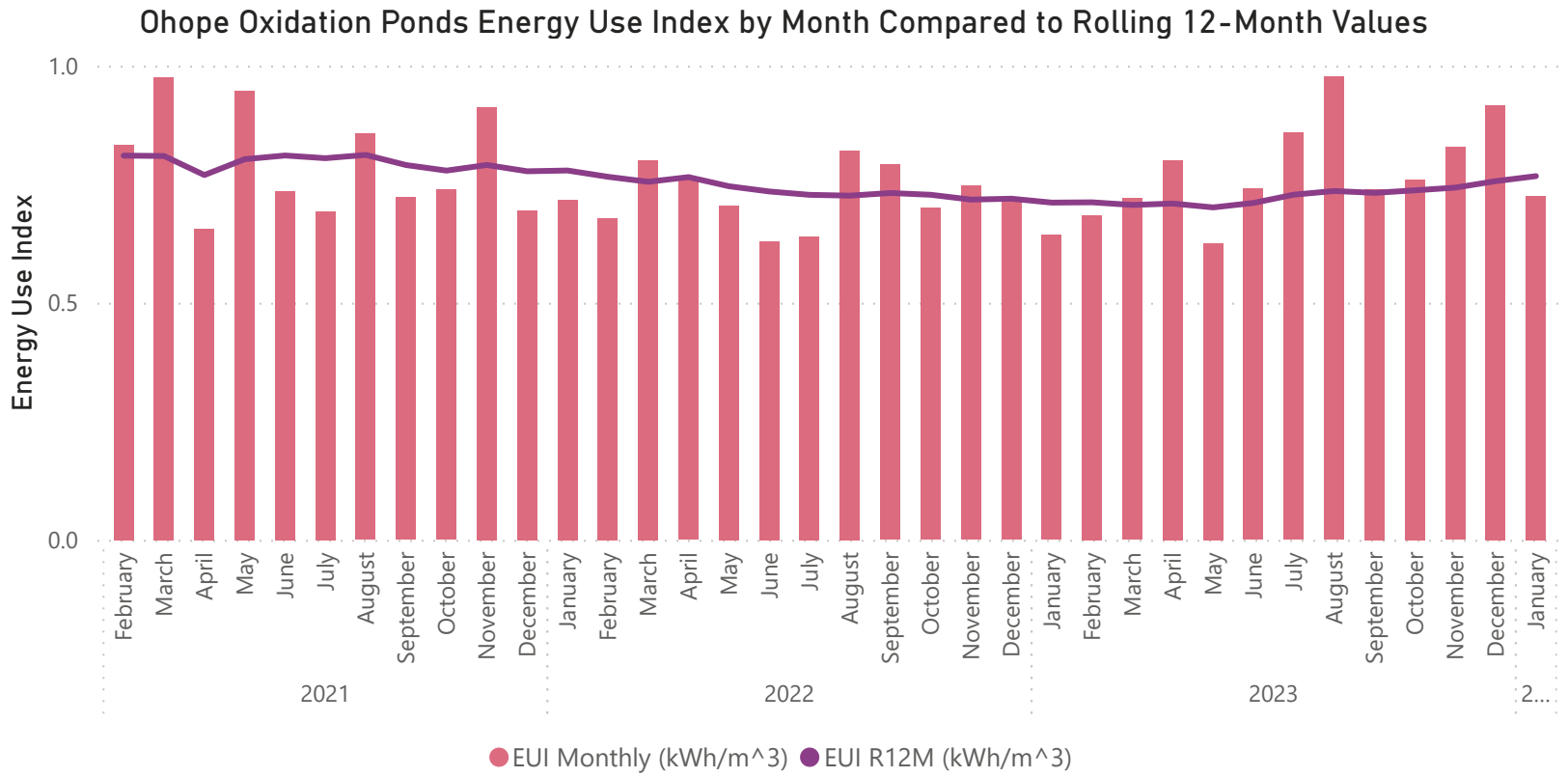
Ohope Oxidation Ponds Rolling 12 Month Savings



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Ohope Oxidation Ponds



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time
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Whakatane District Council

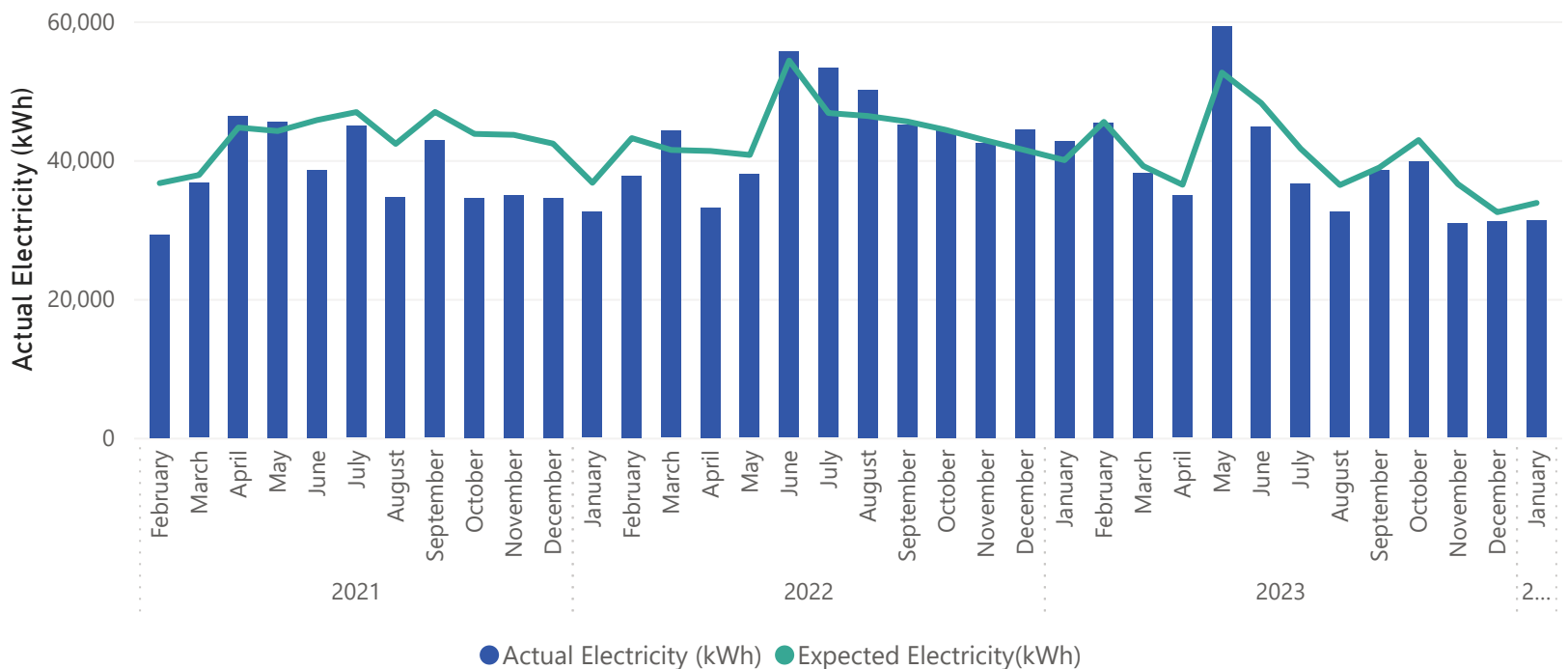
Whakatane Oxidation Ponds

<p>\$1,599</p> <p>Monthly Energy Cost Savings</p>	<p>2,566</p> <p>Elec. Savings (kWh/mo)</p>	<p>8%</p> <p>Elec. Savings (%)</p>	<p>21,261</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>212</p> <p>CO2e Savings (kg/mo)</p>
<p>\$5,065</p> <p>R12M Energy Cost Savings</p>				<p>1,760</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

The oxidation ponds used less electricity than expected in January 2024. January 2024 was a month with lower than average rainfall, approximately 56mm of rain was recorded for the month. The EUI for the month is above average compared to the last 12 months.

Whakatane Oxidation Ponds Electricity Use Compared to Baseline (kWh)

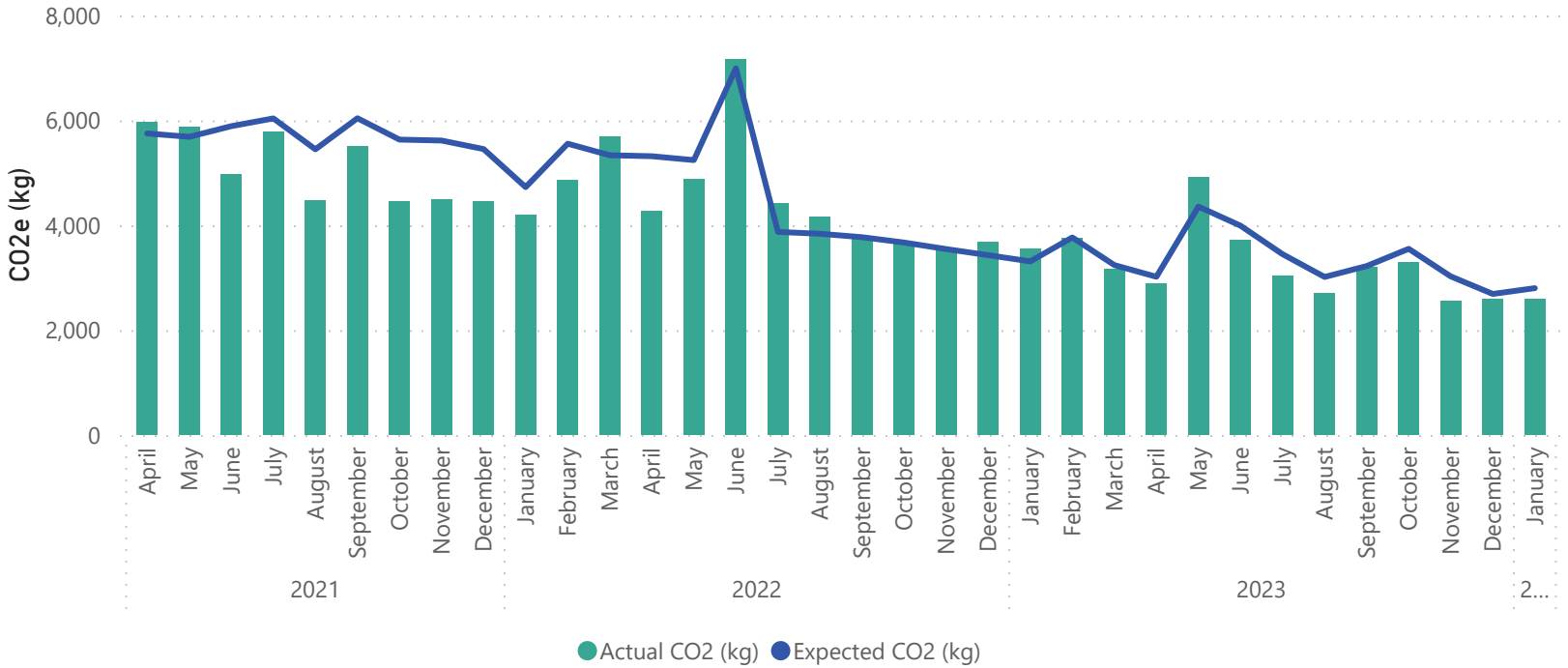


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

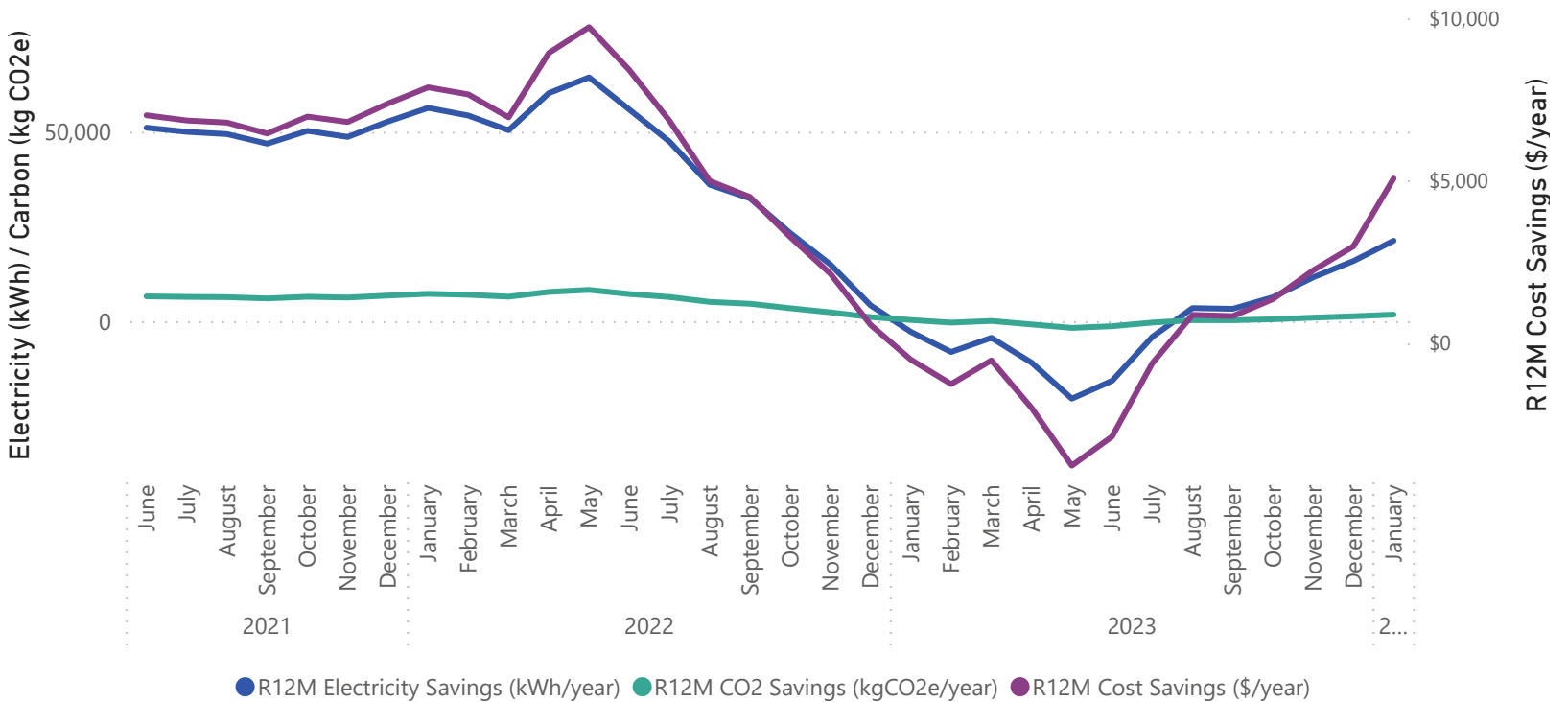
Whakatane District Council

Whakatane Oxidation Ponds

Whakatane Oxidation Ponds Carbon Emissions Compared to Baseline (kg CO2e)



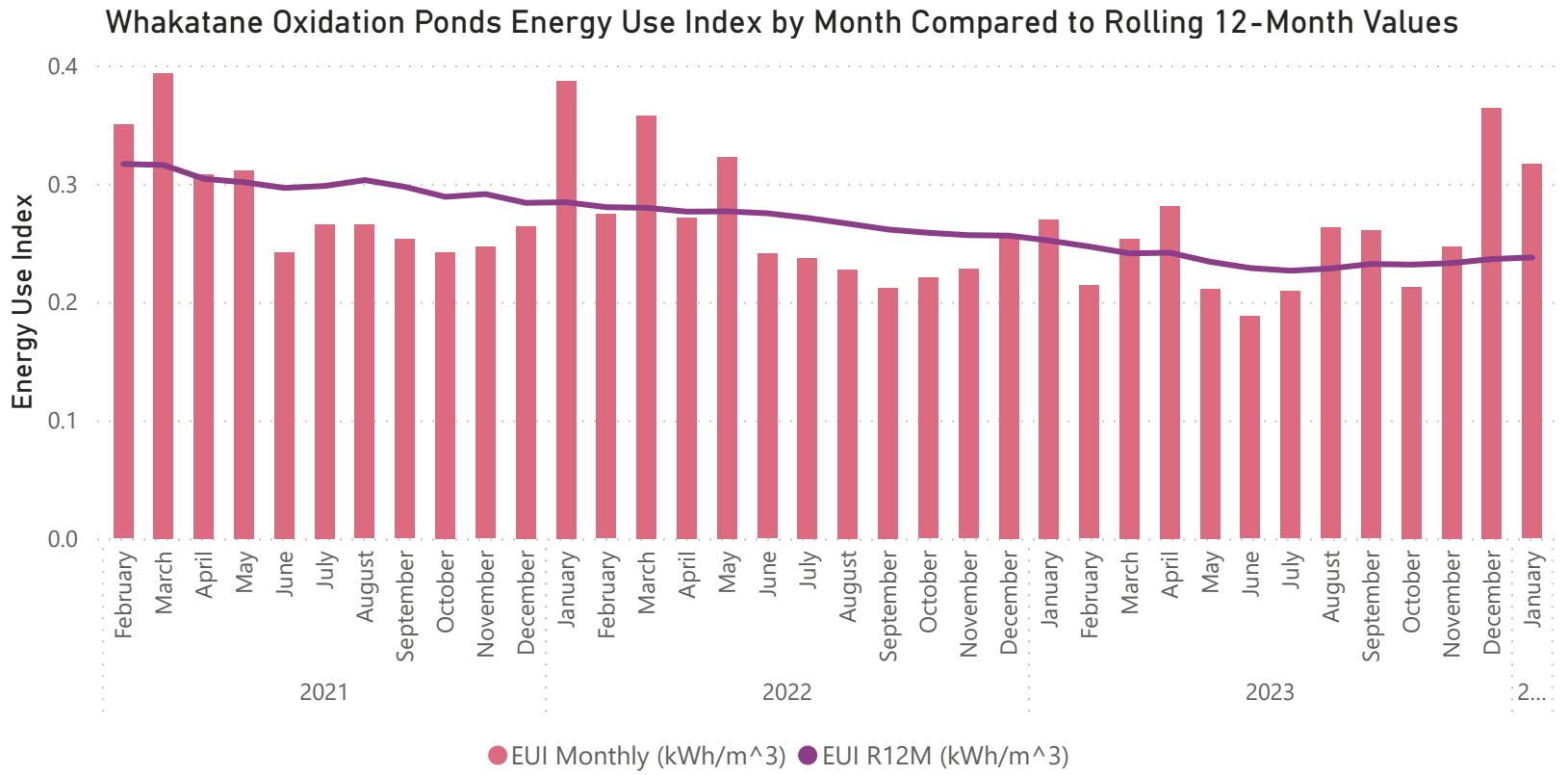
Whakatane Oxidation Ponds Rolling 12 Month Savings



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

Whakatane Oxidation Ponds



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time
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Whakatane District Council

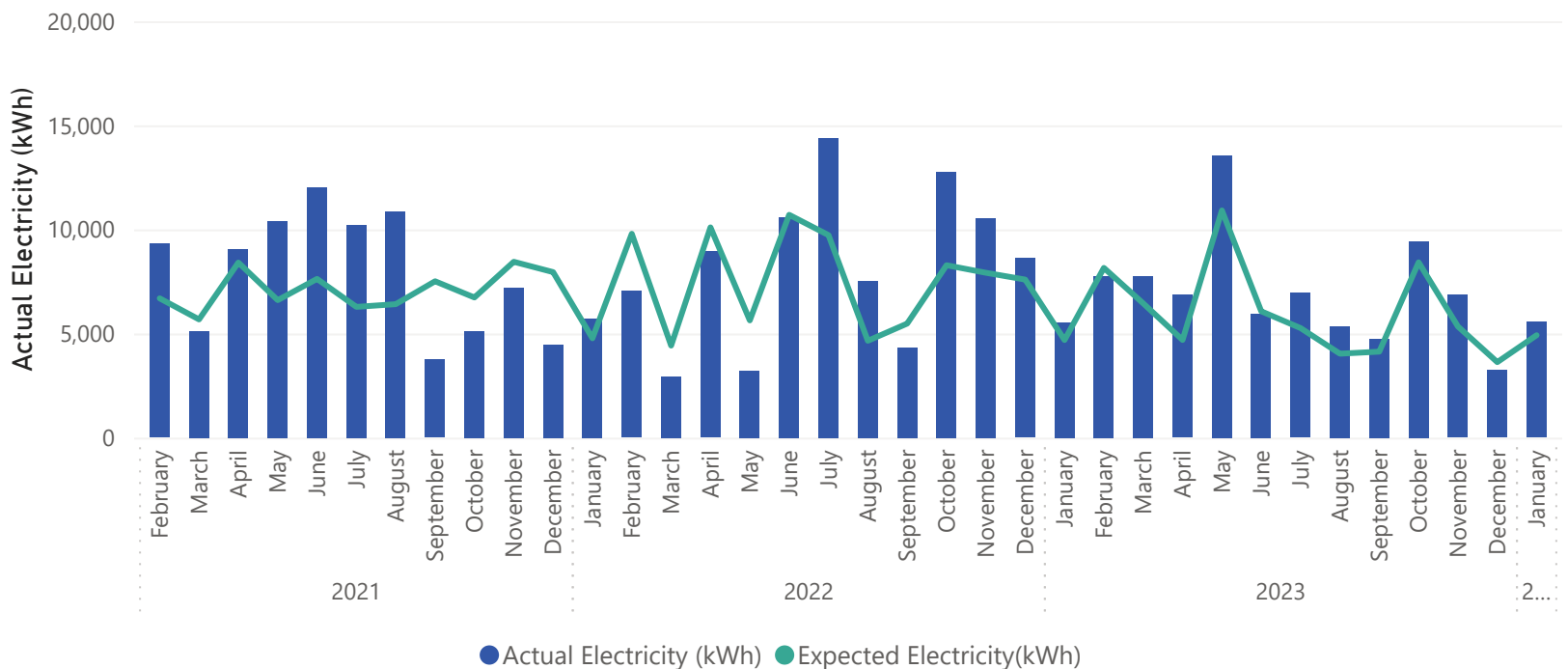
McAlister Street and Rose Garden Pump Stations

<p>\$107 Monthly Energy Cost Savings</p>	<p>-632 Elec. Savings (kWh/mo)</p>	<p>-13% Elec. Savings (%)</p>	<p>-11,981 R12M Electricity Savings (kWh/yr)</p>	<p>-52 CO2e Savings (kg/mo)</p>
<p>\$1,141 R12M Energy Cost Savings</p>				<p>-992 R12M CO2e Savings (kg/yr)</p>

Comments:

The pump stations used 13% more electricity than expected this month. Approximately 81mm of rain coincided within the billing period. Rainfall over the past 12 months averaged about 130mm per month.

McAlister and Rose Garden Pumps Electricity Use Compared to Baseline (kWh)

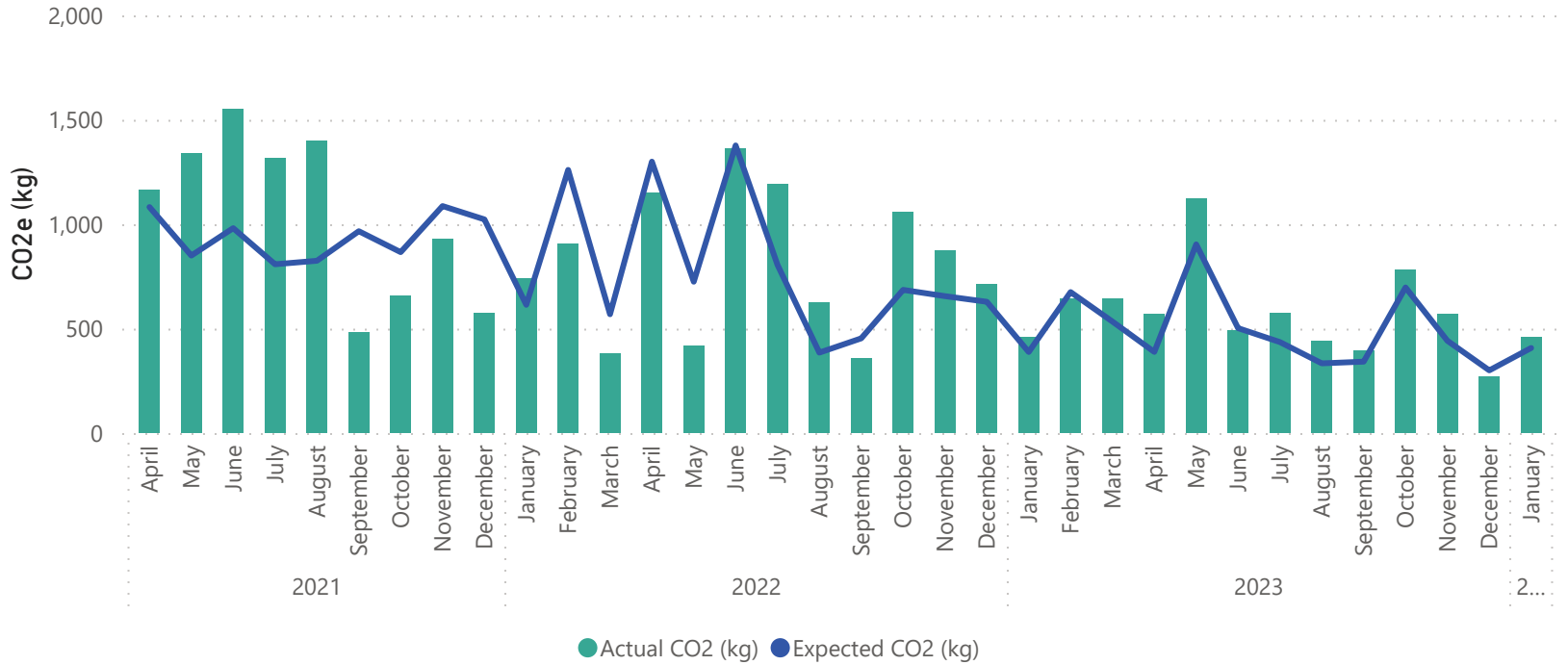


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

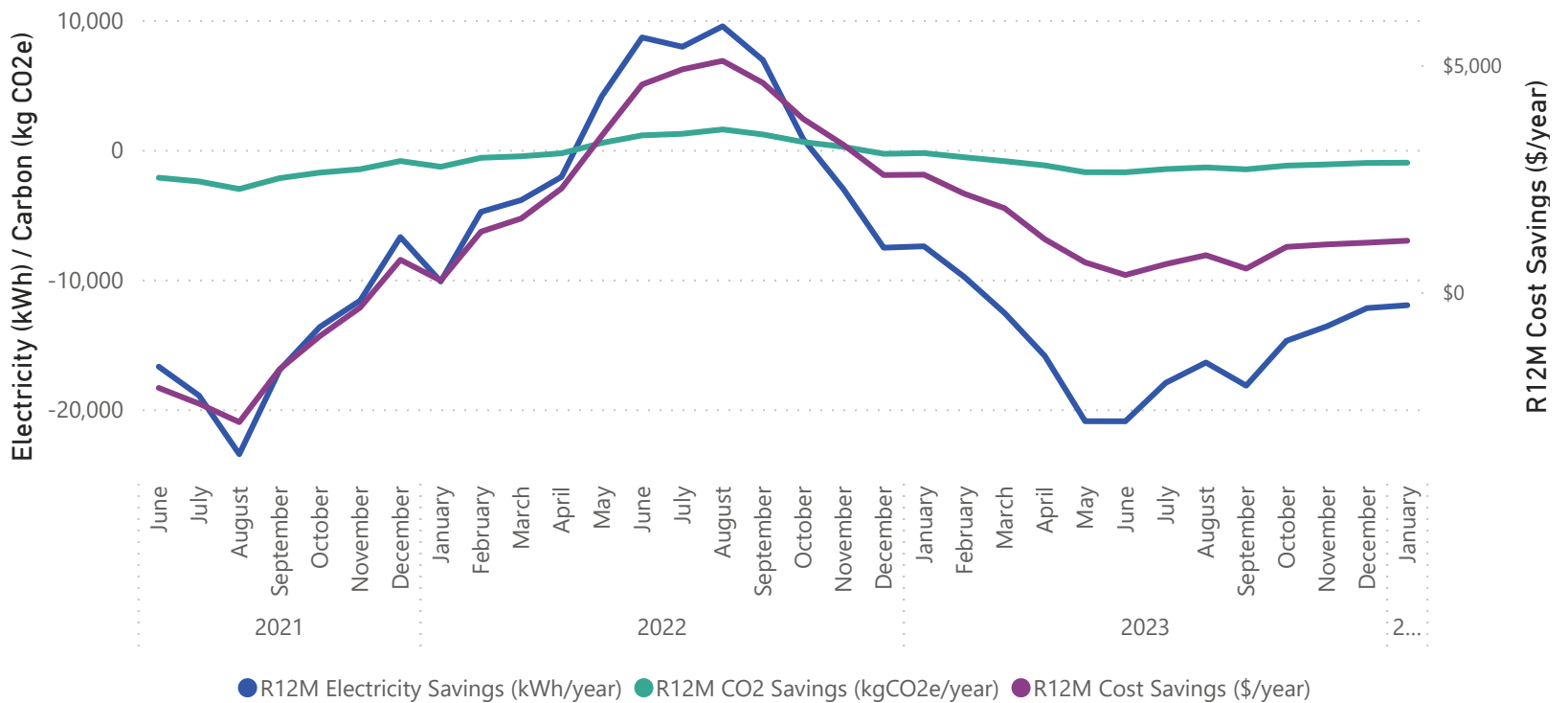
Whakatane District Council

McAlister Street and Rose Garden Pump Stations

McAlister and Rose Garden Pumps Carbon Emissions Compared to Baseline (kg CO2e)



McAlister and Rose Garden Pumps Rolling 12 Month Savings



Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

Whakatane District Council

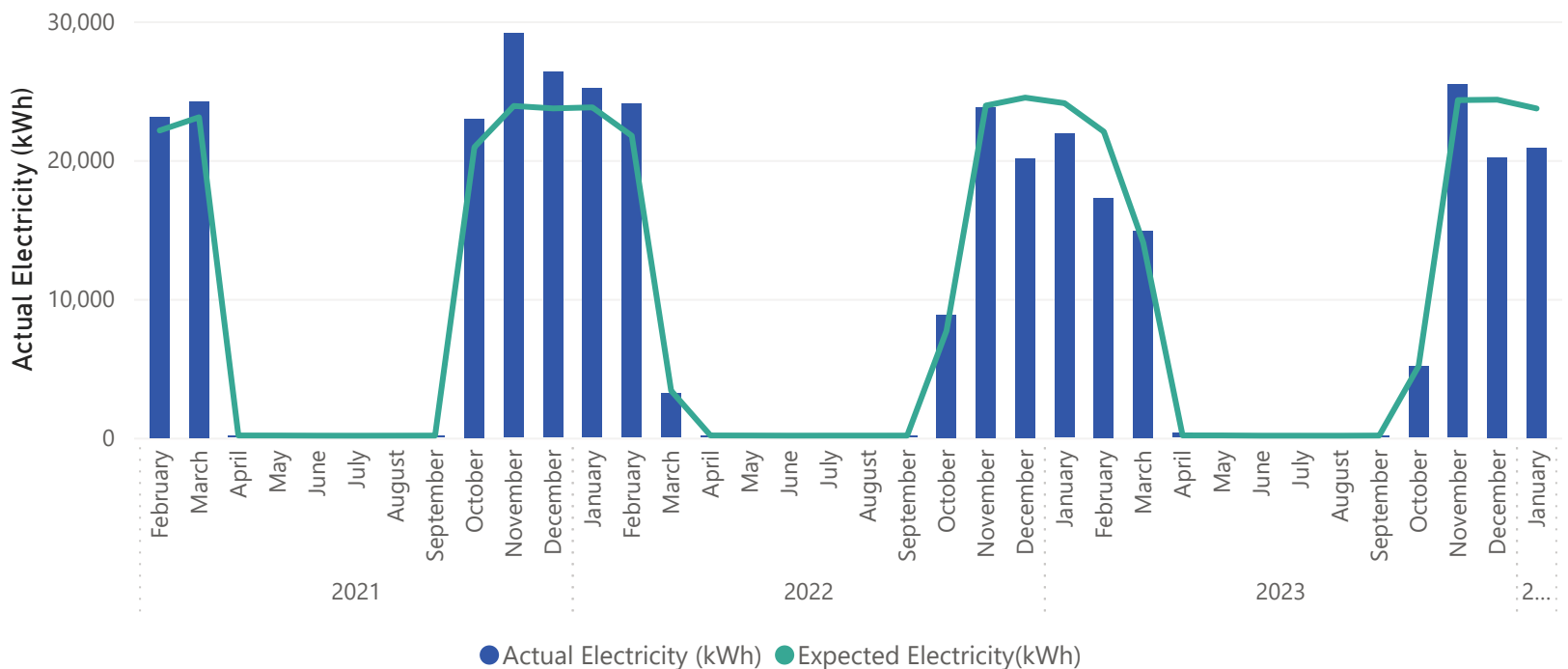
Murupara Pools

<p>\$440 Monthly Energy Cost Savings</p>	<p>2,834 Elec. Savings (kWh/mo)</p>	<p>12% Elec. Savings (%)</p>	<p>9,692 R12M Electricity Savings (kWh/yr)</p>	<p>235 CO2e Savings (kg/mo)</p>
<p>\$1,596 R12M Energy Cost Savings</p>				<p>802 R12M CO2e Savings (kg/yr)</p>

Comments:

Murupara Pools have opened for the season, heating of the pools started in late October 2023, electricity use in January was 12% less than expected.

Murupara Pools Electricity Use Compared to Baseline (kWh)

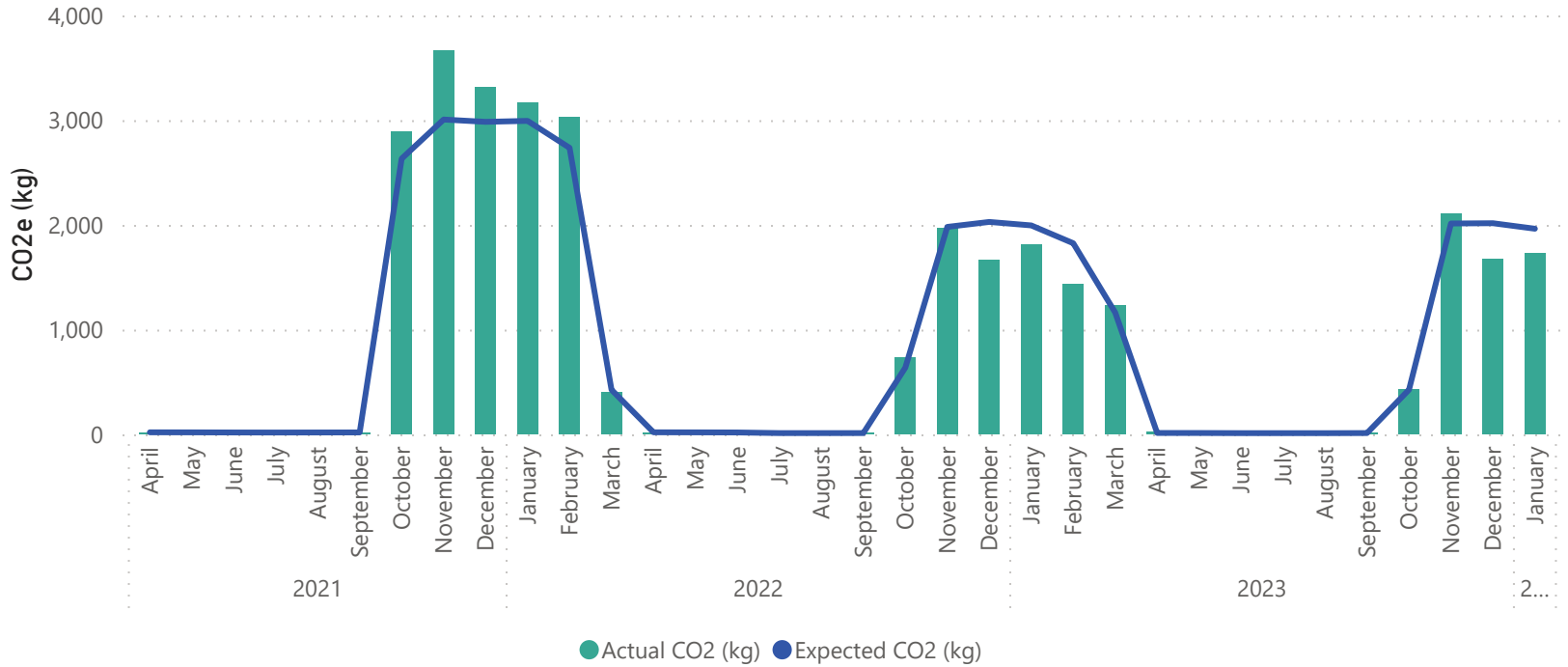


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time **Baselines were updated for all sites from July 2022.**

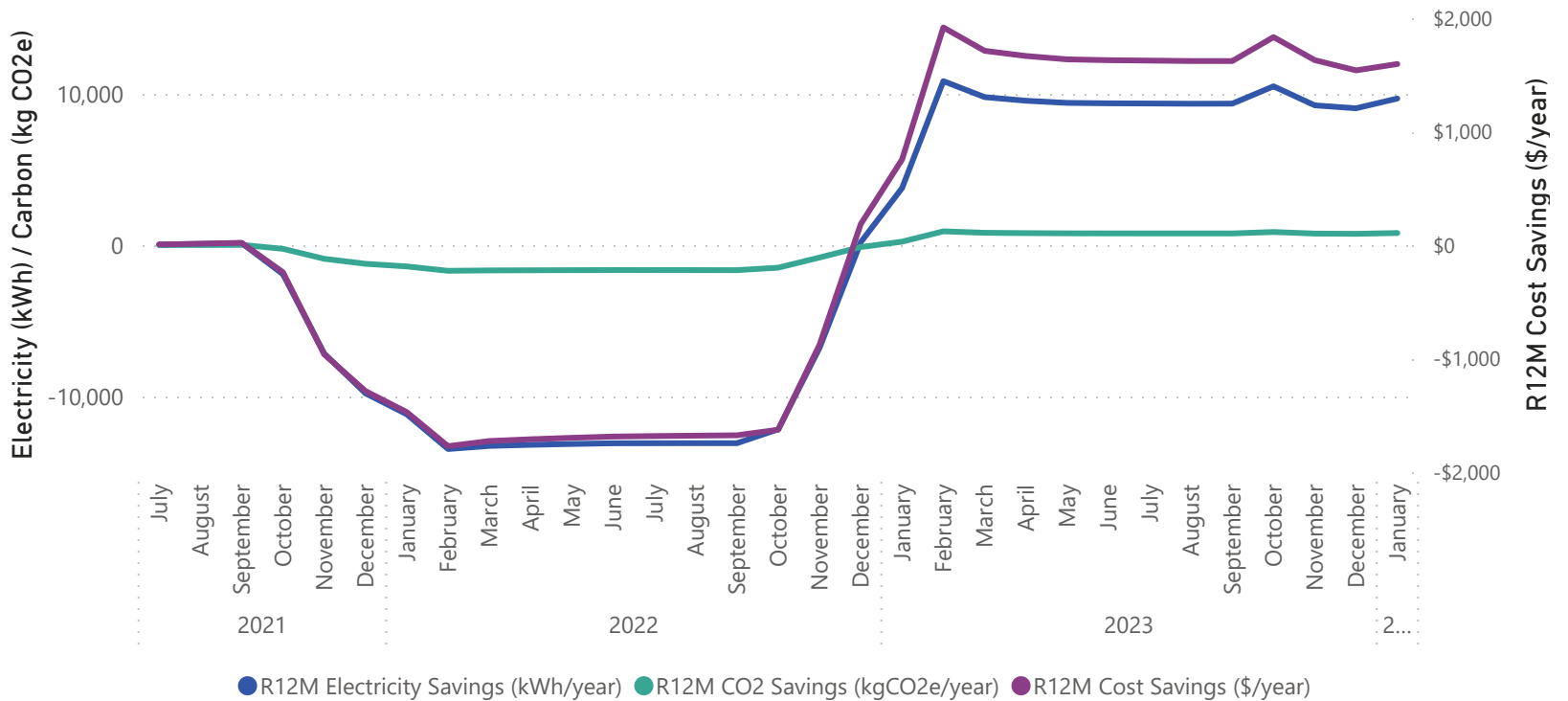
Whakatane District Council

Murupara Pools

Murupara Pools Carbon Emissions Compared to Baseline (kg CO2e)



Murupara Pools Rolling 12 Month Savings



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