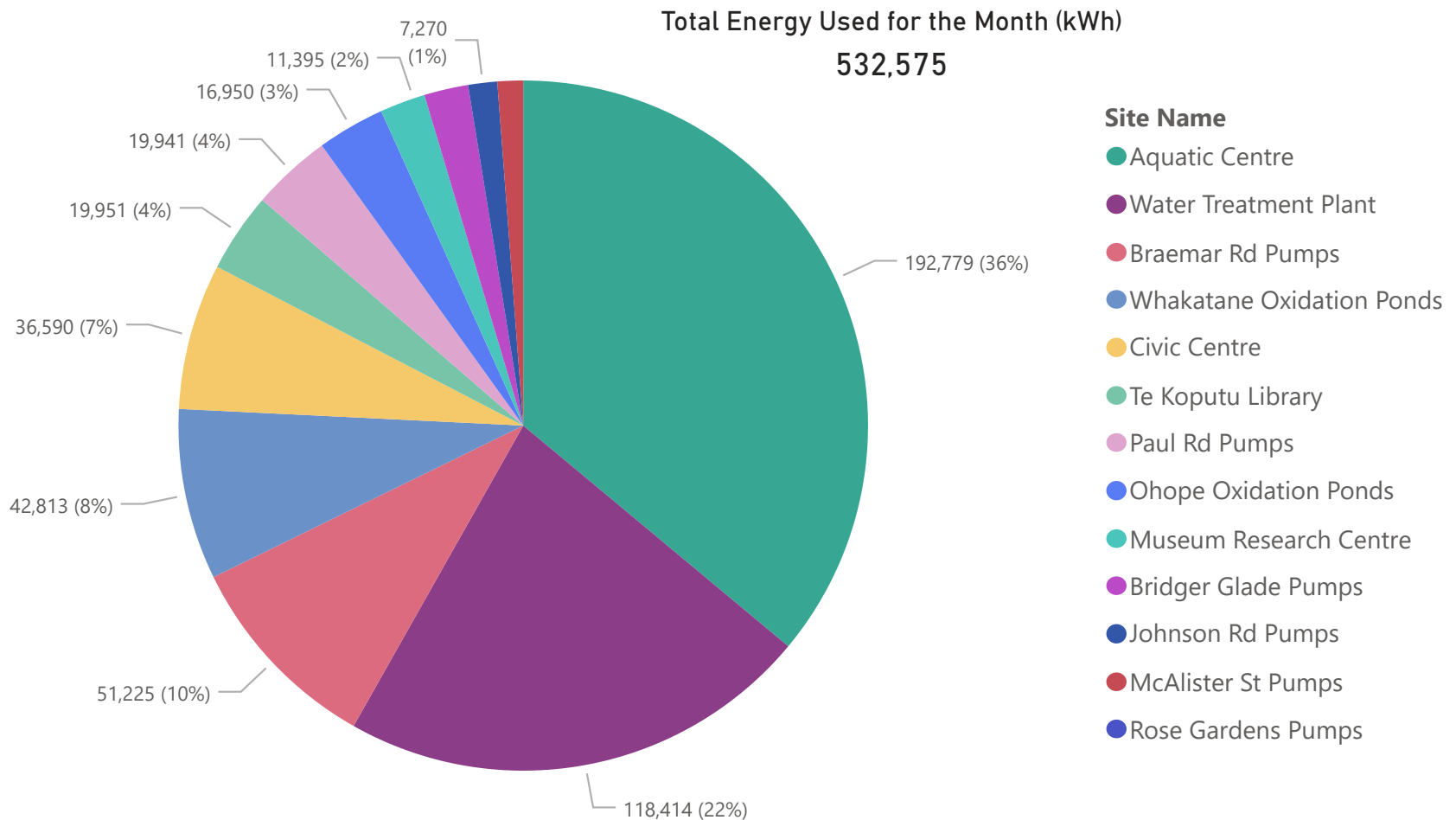


Whakatane District Council

Summary

<p>\$13,006</p> <p>Monthly Energy Cost Savings</p>	<p>35,604</p> <p>Elec. Savings (kWh/mo)</p>	<p>8%</p> <p>Elec. Savings (%)</p>	<p>202,101</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>31,237</p> <p>CO2e Savings (kg/mo)</p>
<p>\$114,122</p> <p>R12M Energy Cost Savings</p>	<p>122,815</p> <p>Gas. Savings (kWh/mo)</p>	<p>55%</p> <p>Gas. Savings (%)</p>	<p>1,257,536</p> <p>R12M Gas Savings (kWh/yr)</p>	<p>268,241</p> <p>R12M CO2e Savings (kg/yr)</p>

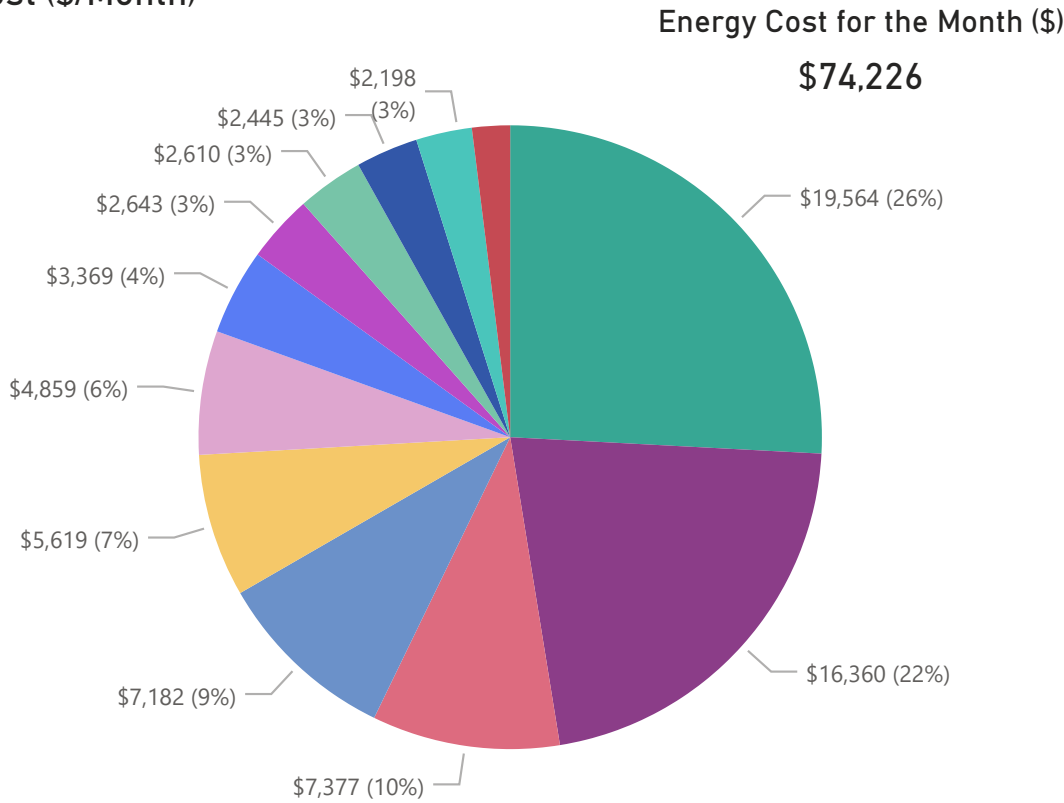
Total Energy (kWh/Month)



Whakatane District Council

Summary

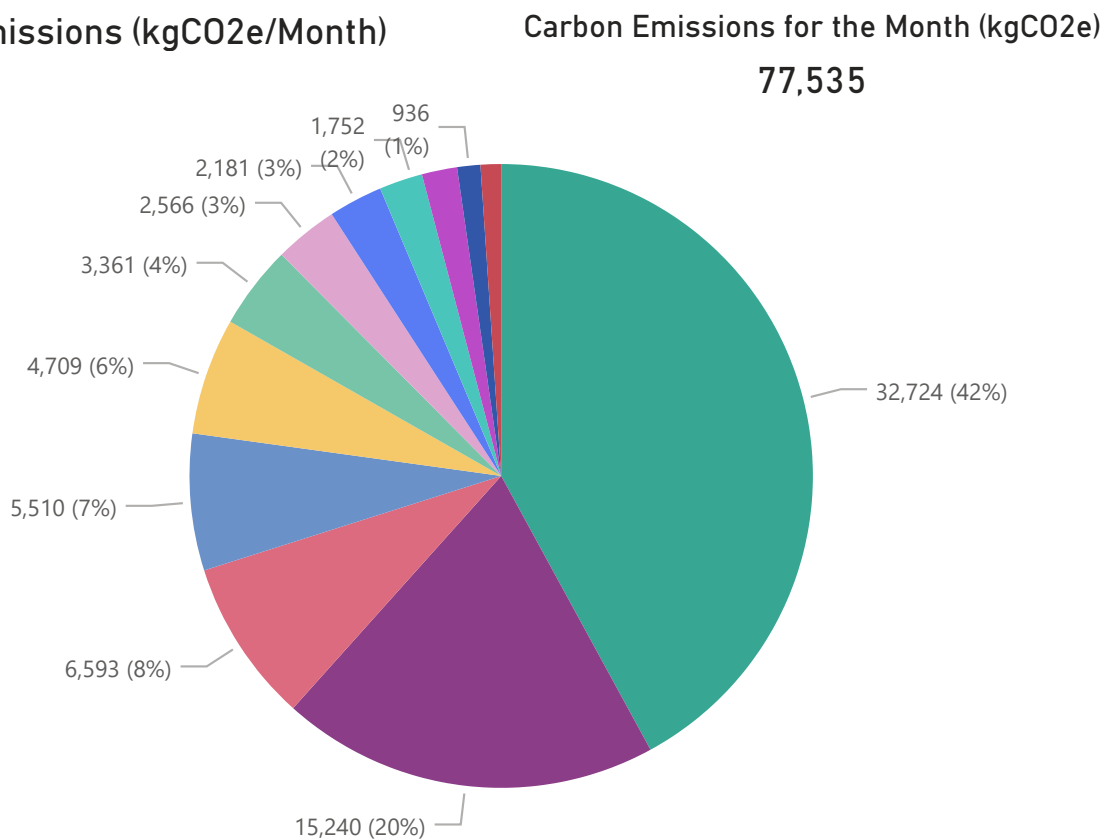
Energy Cost (\$/Month)



Site Name

- Aquatic Centre
- Water Treatment Plant
- Braemar Rd Pumps
- Whakatane Oxidation Ponds
- Civic Centre
- Paul Rd Pumps
- Ohope Oxidation Ponds
- Bridger Glade Pumps
- Te Koputu Library
- Johnson Rd Pumps
- Museum Research Centre
- McAlister St Pumps
- Rose Gardens Pumps

Carbon Emissions (kgCO2e/Month)



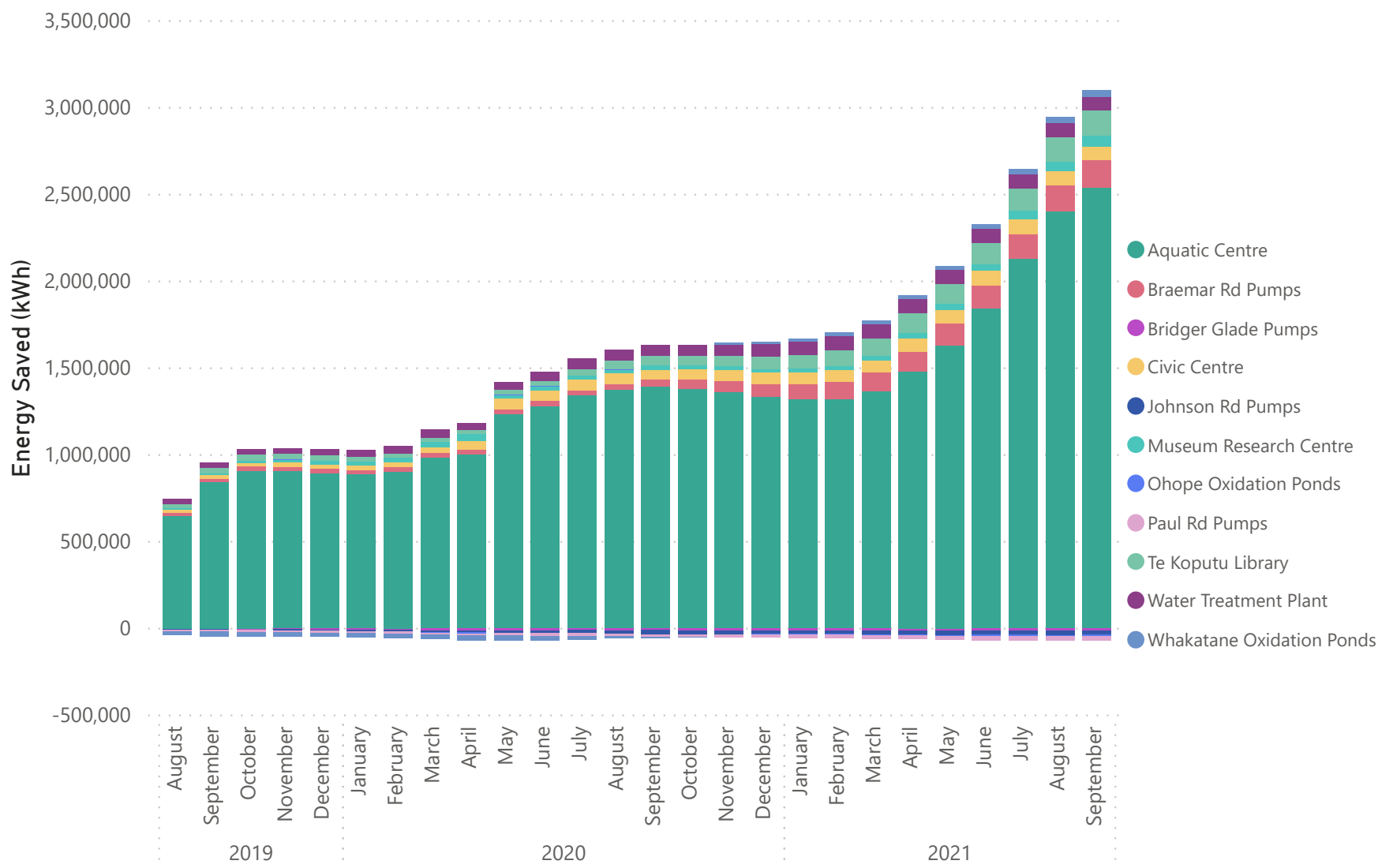
Site Name

- Aquatic Centre
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- Paul Rd Pumps
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- Te Koputu Library
- Johnson Rd Pumps
- Museum Research Centre
- McAlister St Pumps
- Rose Gardens Pumps

Whakatane District Council

Summary

Cumulative Energy Savings (kWh)

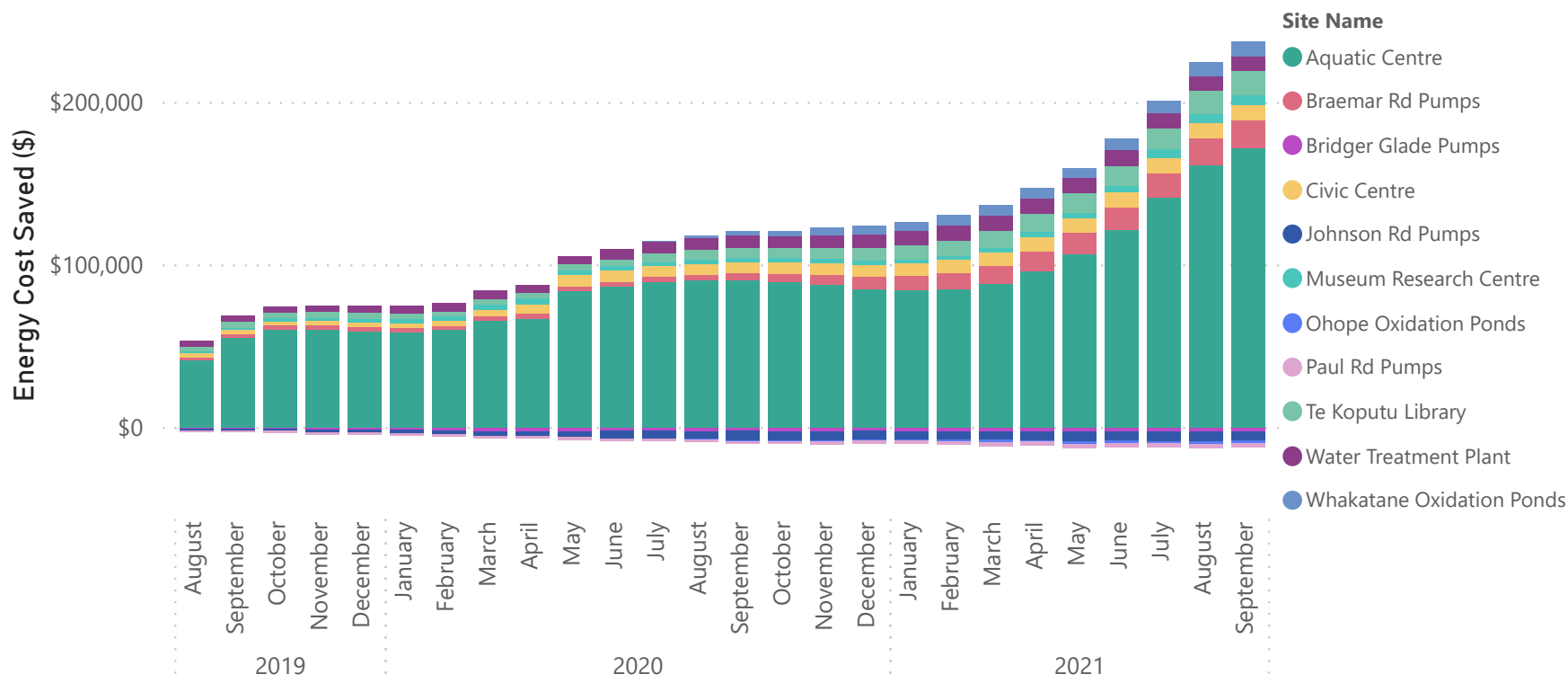


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

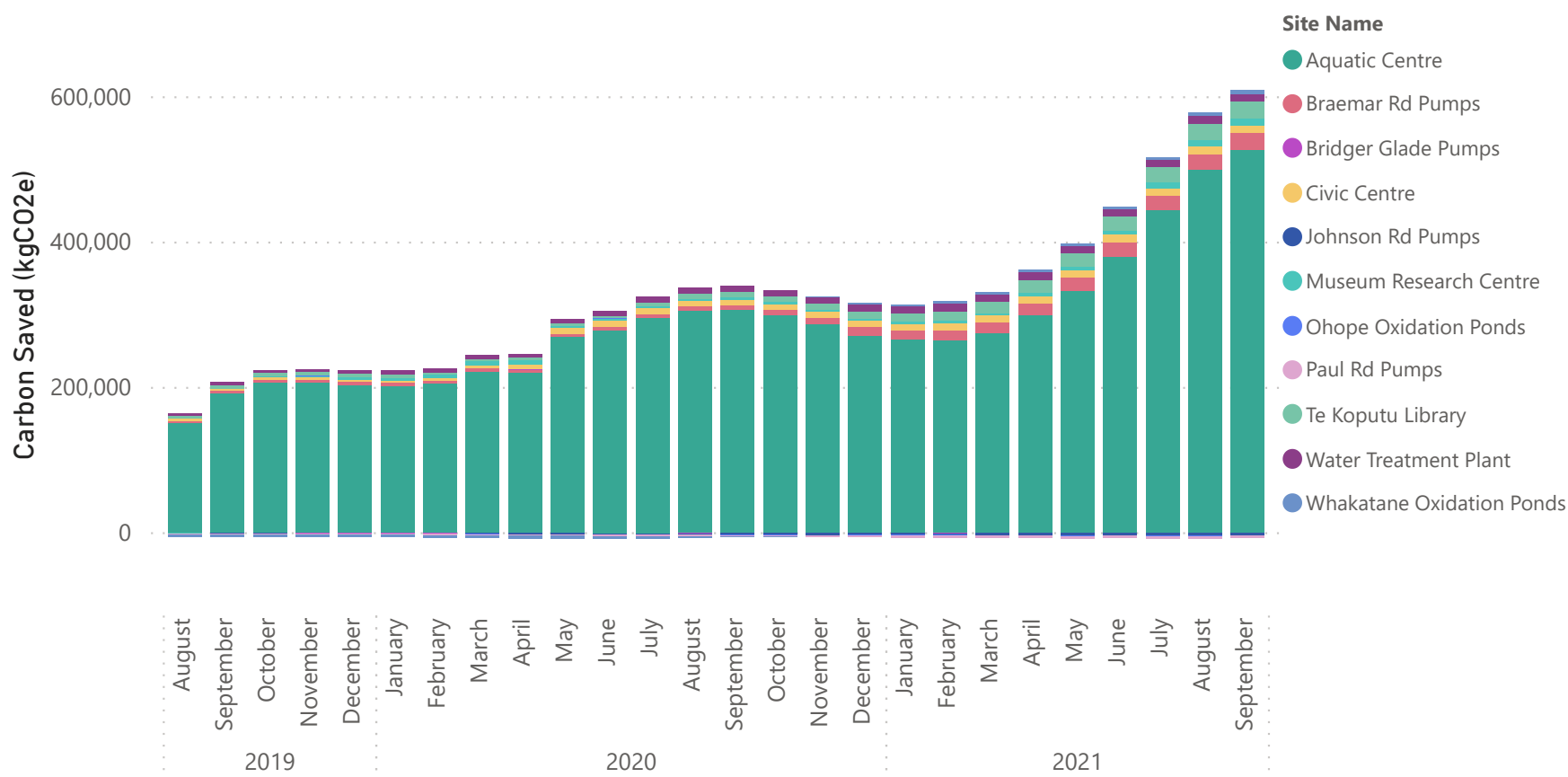
Whakatane District Council

Summary

Cumulative Energy Cost Savings (\$/month)



Cumulative Carbon Savings (kgCO2e/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

Whakatane District Council

Civic Centre

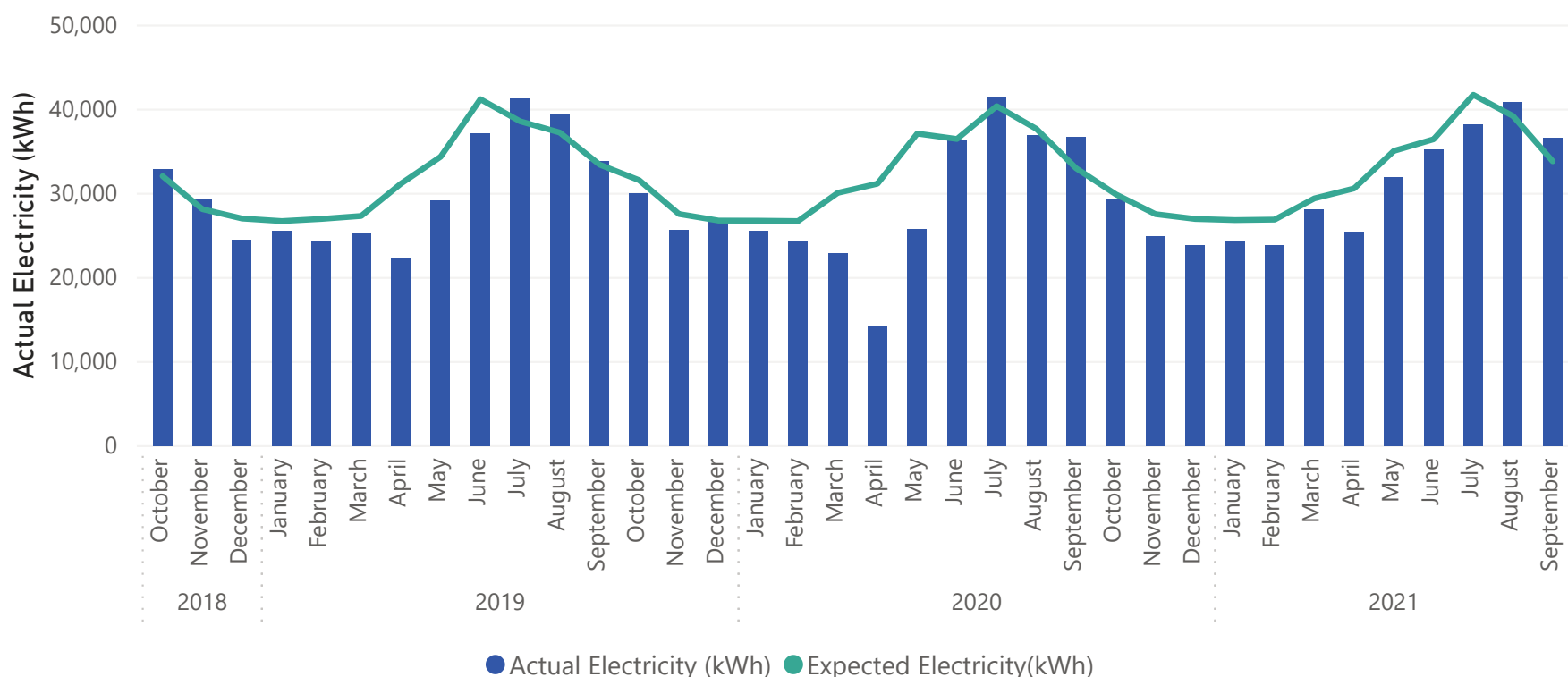
<p>-\$294</p> <p>Monthly Energy Cost Savings</p>	<p>-2,731</p> <p>Elec. Savings (kWh/mo)</p>	<p>-8%</p> <p>Elec. Savings (%)</p>	<p>22,163</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>-382</p> <p>CO2e Savings (kg/mo)</p>
<p>\$2,498</p> <p>R12M Energy Cost Savings</p>				<p>2,567</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Electric vehicle charging stations have seen an uptake in recent months, non-routine adjustments have been made to account for the increased electricity use.

The Civic Centre used more electricity than expected this month. TOU data indicates a baseload increase around 20-25kW started on 9 August and continued until 17 September. A load of this size might be attributed to HVAC being on unnecessarily.

Civic Centre Electricity Use Compared to Baseline (kWh)

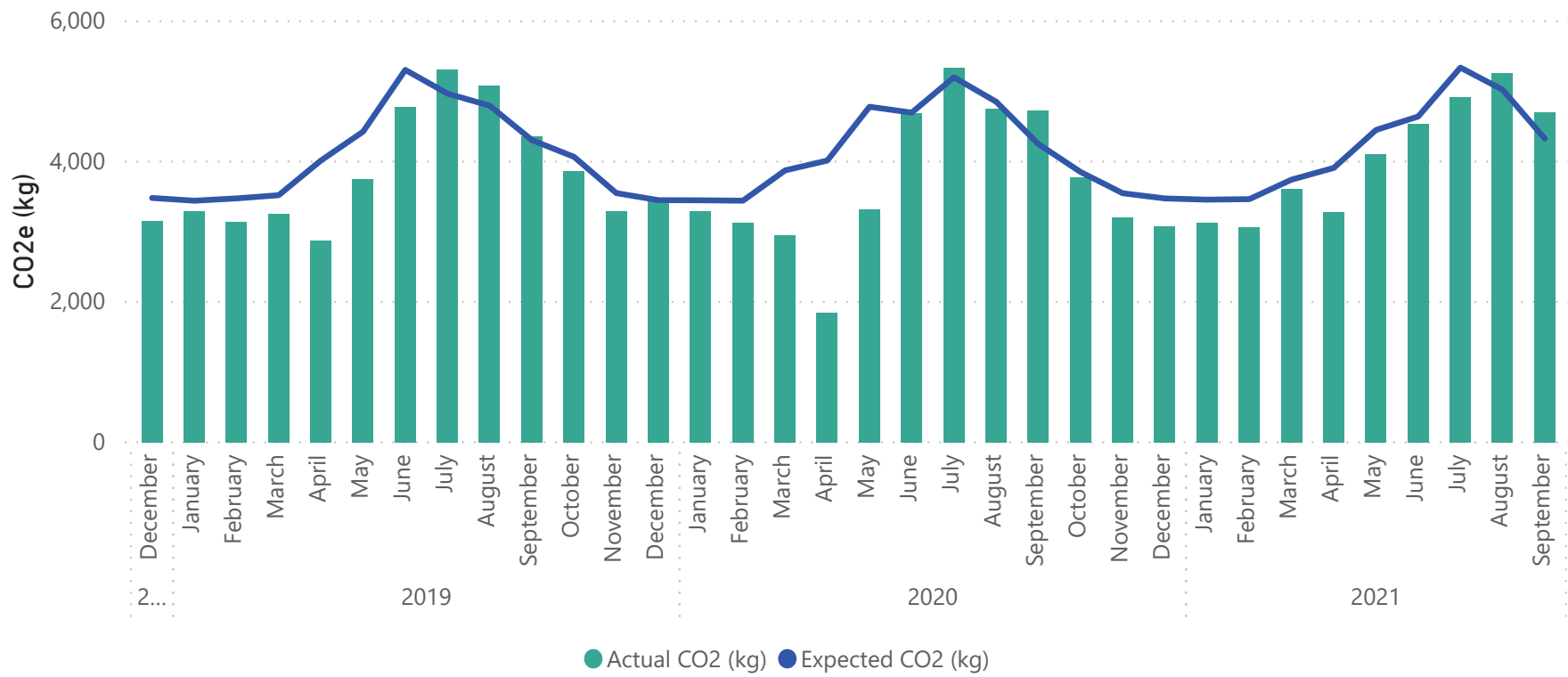


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

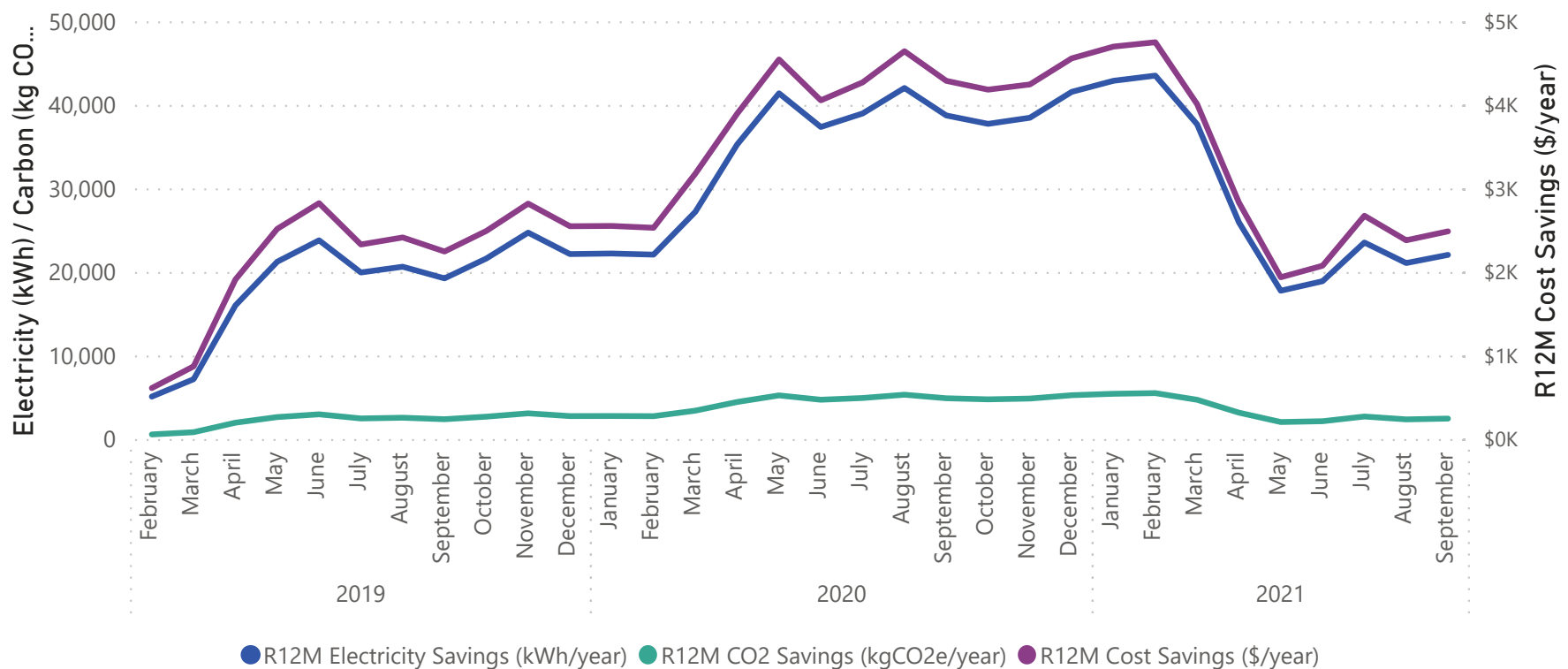
Whakatane District Council

Civic Centre

Civic Centre Carbon Emissions Compared to Baseline (kg CO2e)



Civic Centre Cumulative Rolling 12 Month Savings

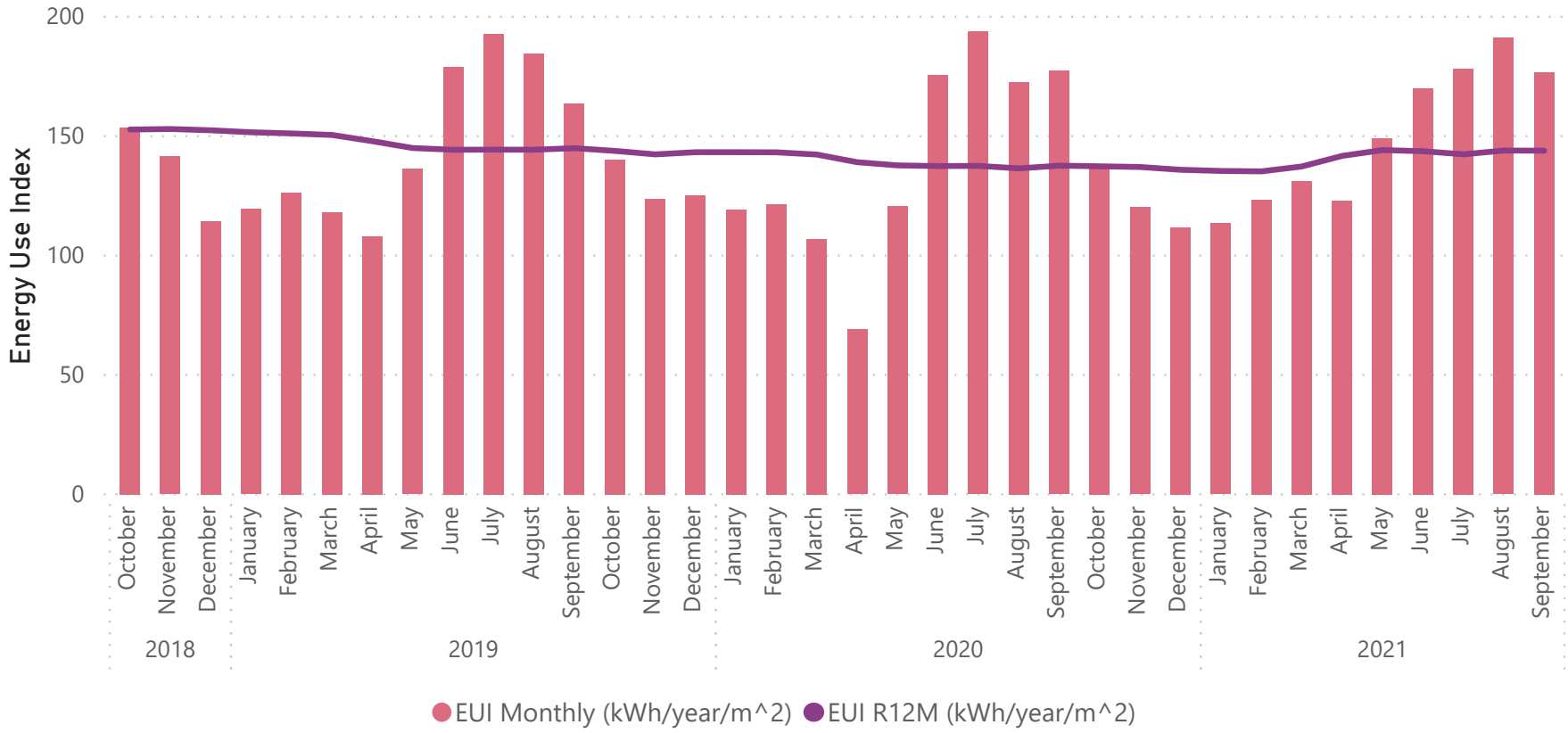


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

Whakatane District Council

Civic Centre

Civic 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

Whakatane District Council

Aquatic Centre

<p>\$10,293</p> <p>Monthly Energy Cost Savings</p>	<p>18,035</p> <p>Elec. Savings (kWh/mo)</p>	<p>15%</p> <p>Elec. Savings (%)</p>	<p>-43,672</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>27,855</p> <p>CO2e Savings (kg/mo)</p>
<p>\$81,355</p> <p>R12M Energy Cost Savings</p>	<p>117,618</p> <p>Gas. Savings (kWh/mo)</p>	<p>57%</p> <p>Gas. Savings (%)</p>	<p>1,188,129</p> <p>R12M Gas Savings (kWh/yr)</p>	<p>221,249</p> <p>R12M CO2e Savings (kg/yr)</p>

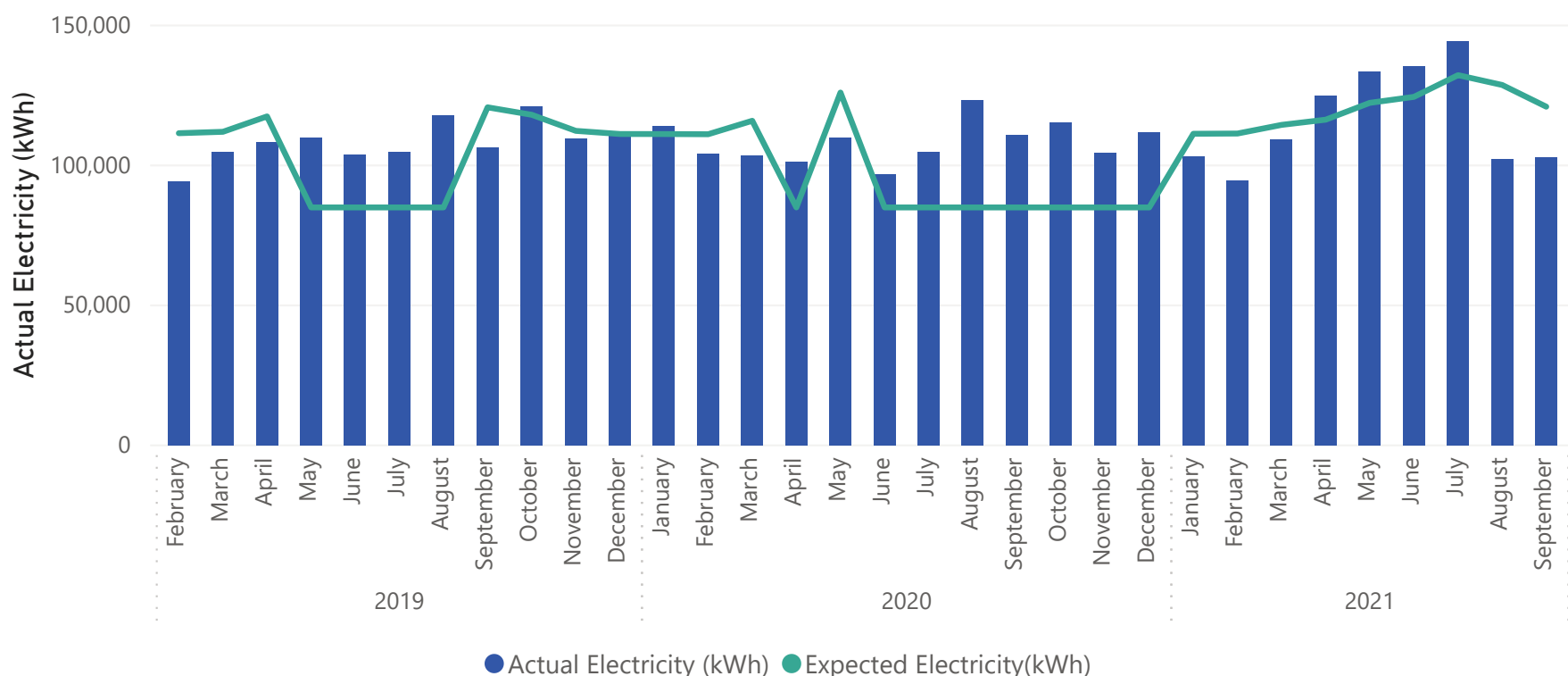
Comments:

The outdoor pool is now open year-round and uses a baseline that reflects this change.

Electricity use was below baseline for the second month in a row; electricity use had been more than baseline from April to July 2021. Part of the savings may be attributed to approximately one week of the pool being closed in alert level three.

Natural gas was less than last month, despite the pool being closed for half as long in September compared to August. Gas savings for the month are 57% compared to a temperature adjusted baseline.

Aquatic Centre Electricity Use Compared to Baseline (kWh)

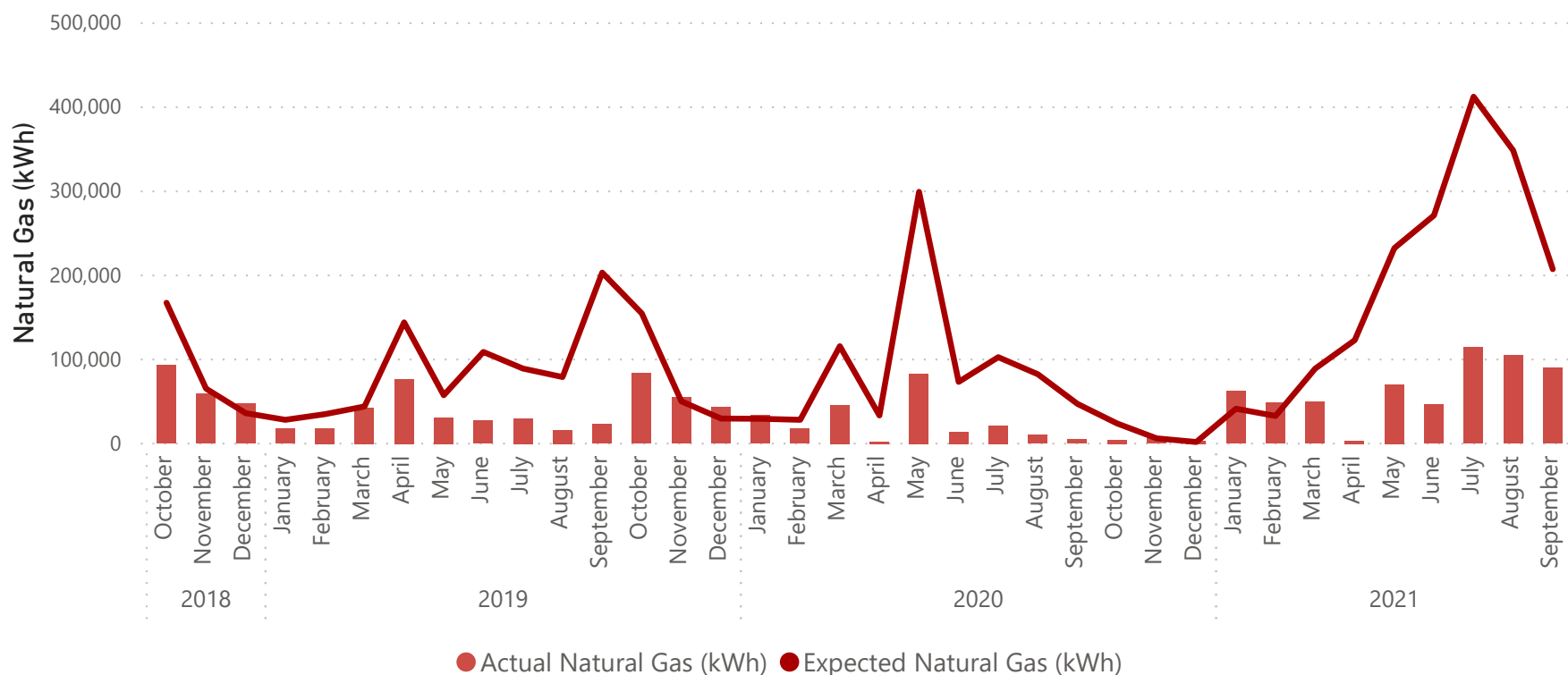


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

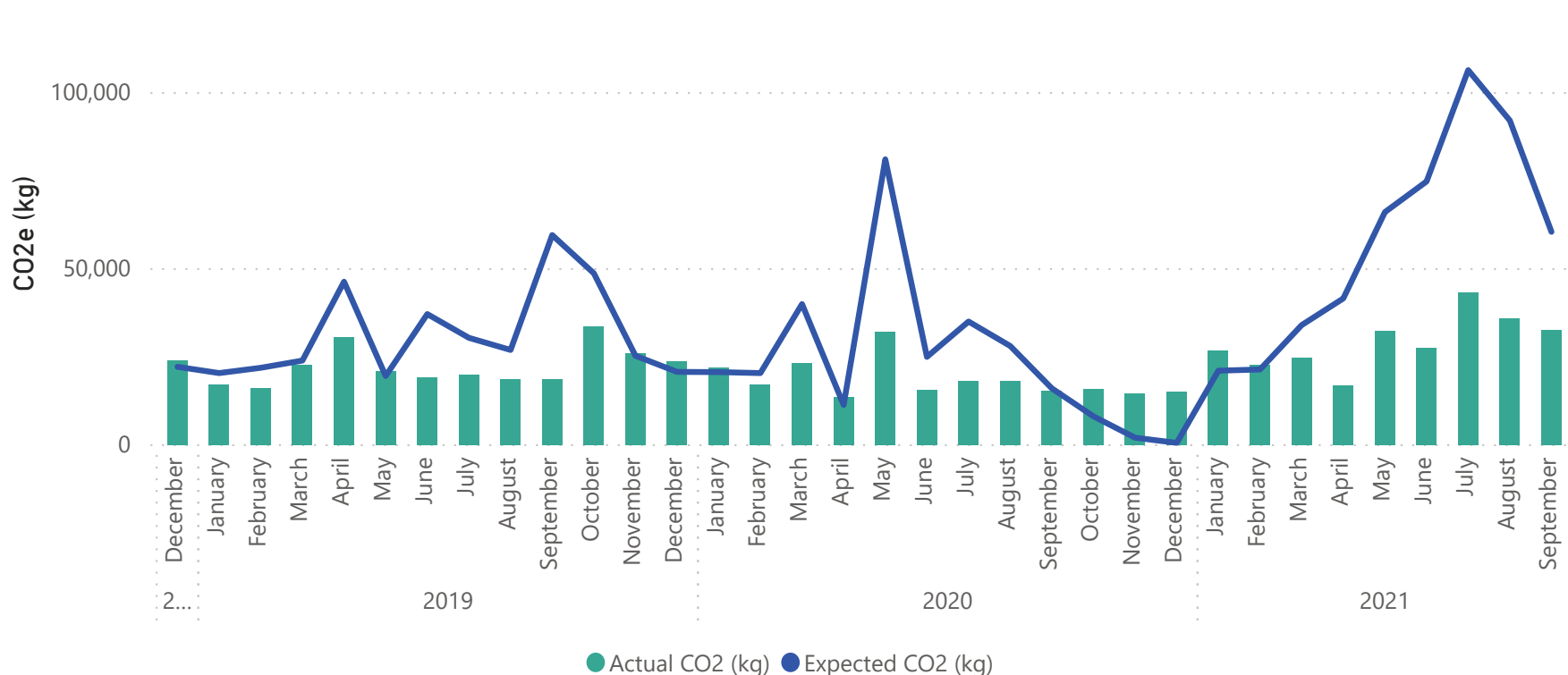
Whakatane District Council

Aquatic Centre

Aquatic Centre Natural Gas Compared to Baseline (kWh)



Aquatic Centre Carbon Emissions Compared to Baseline (kg CO2e)

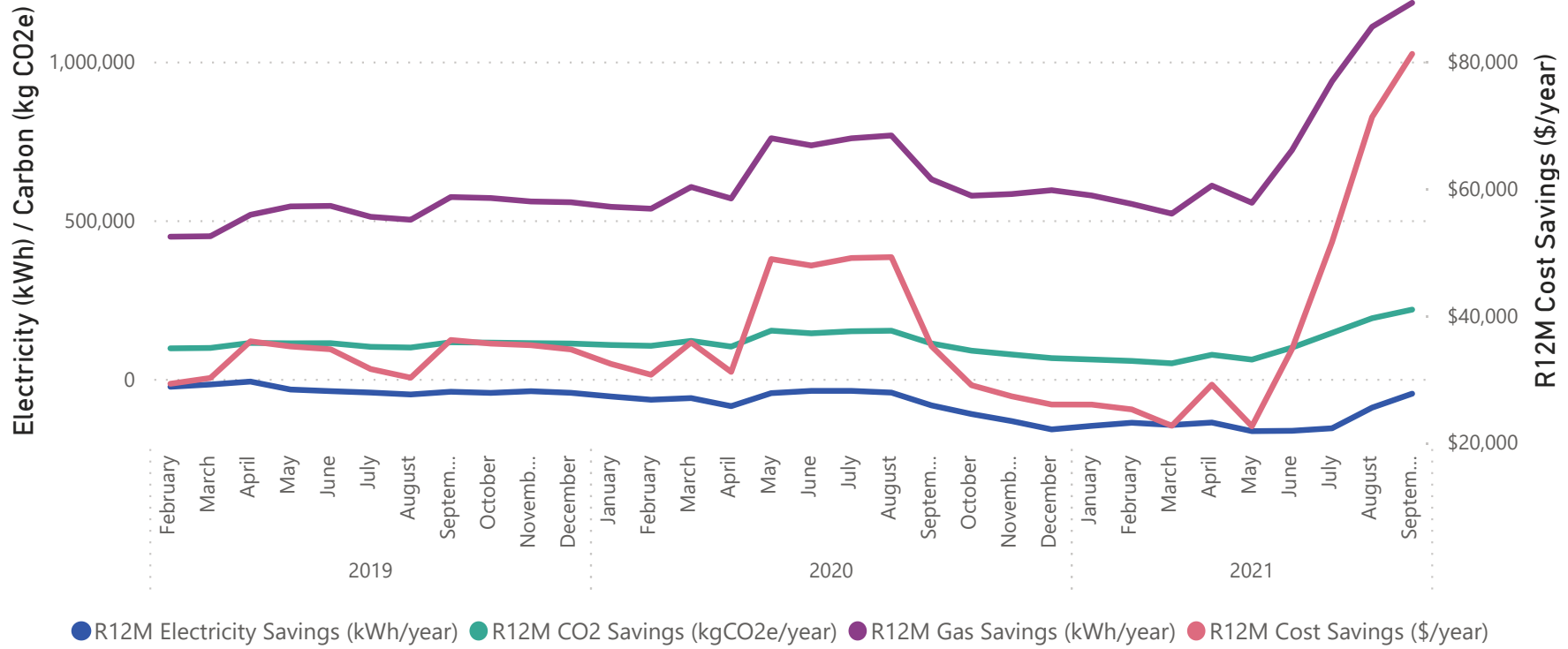


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

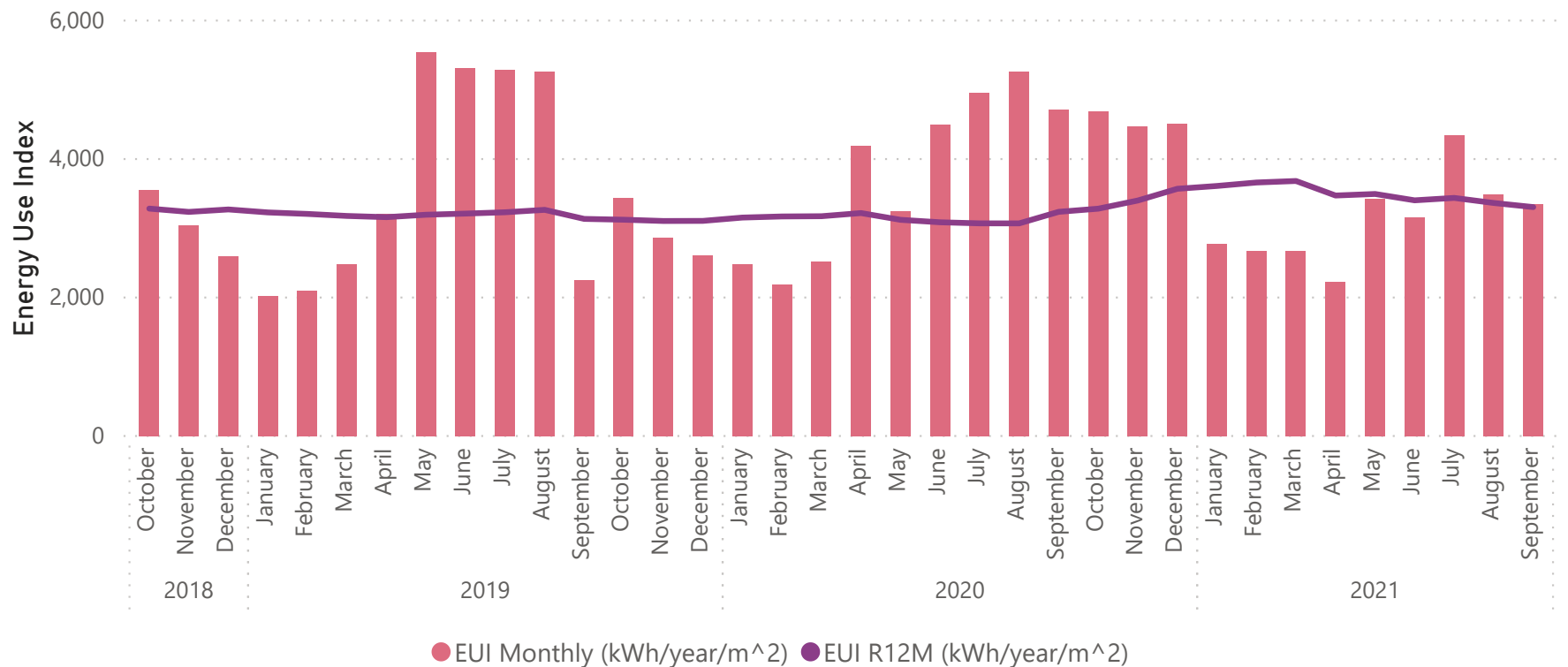
Whakatane District Council

Aquatic Centre

Aquatic Centre Cumulative 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

Whakatane District Council

Te Koputu Library

\$628 Monthly Energy Cost Savings	4,598 Elec. Savings (kWh/mo)	30% Elec. Savings (%)	42,645 R12M Electricity Savings (kWh/yr)	1,001 CO2e Savings (kg/mo)
\$8,471 R12M Energy Cost Savings	1,865 Gas. Savings (kWh/mo)	17% Gas. Savings (%)	50,811 R12M Gas Savings (kWh/yr)	16,557 R12M CO2e Savings (kg/yr)

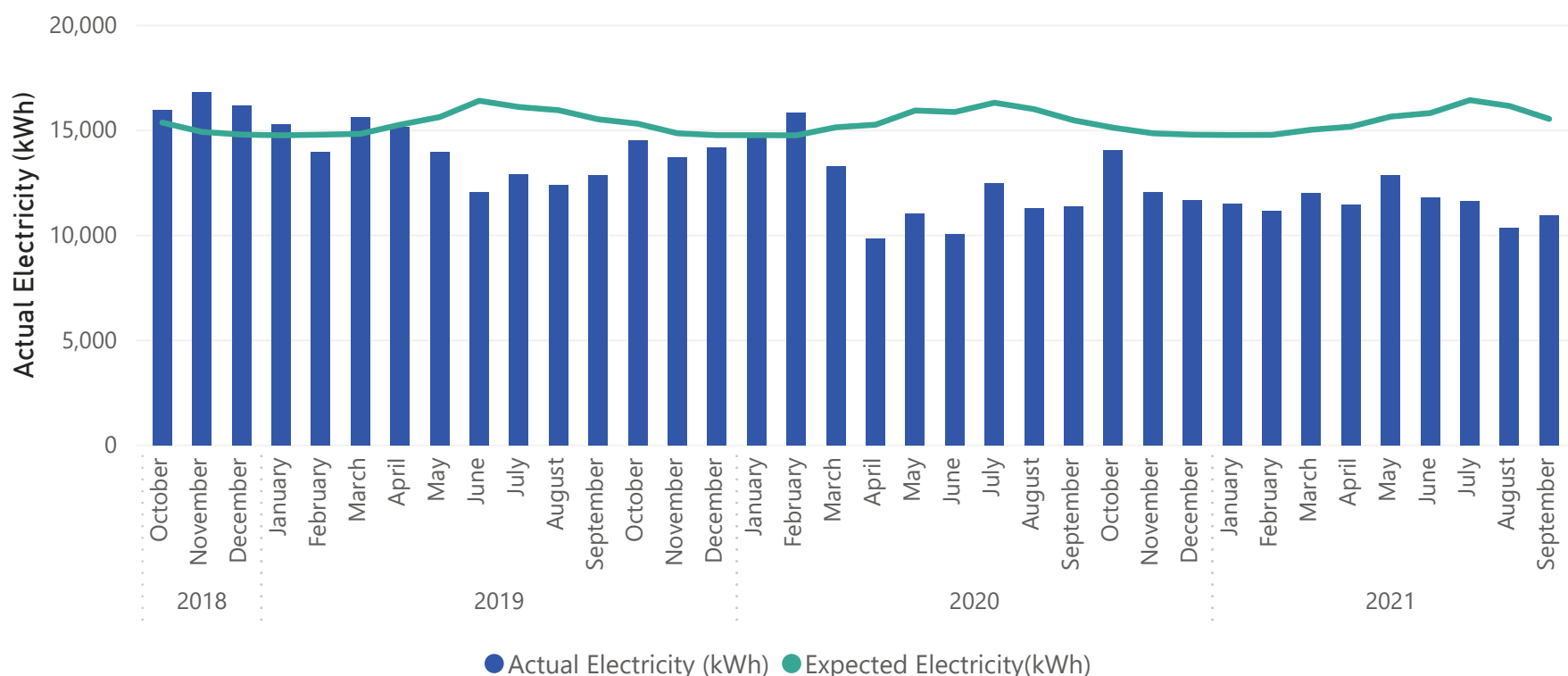
Comments:

Electricity use has been less than baseline since March 2020.

Electricity and natural gas use were both below baseline in September 2021, however, some of these savings may be credited towards the facility being closed to the public during alert level three.

Rolling 12 month cost savings have been maintained at approximately \$8,500 saved per year.

Te Koputu Library Electricity Use Compared to Baseline (kWh)

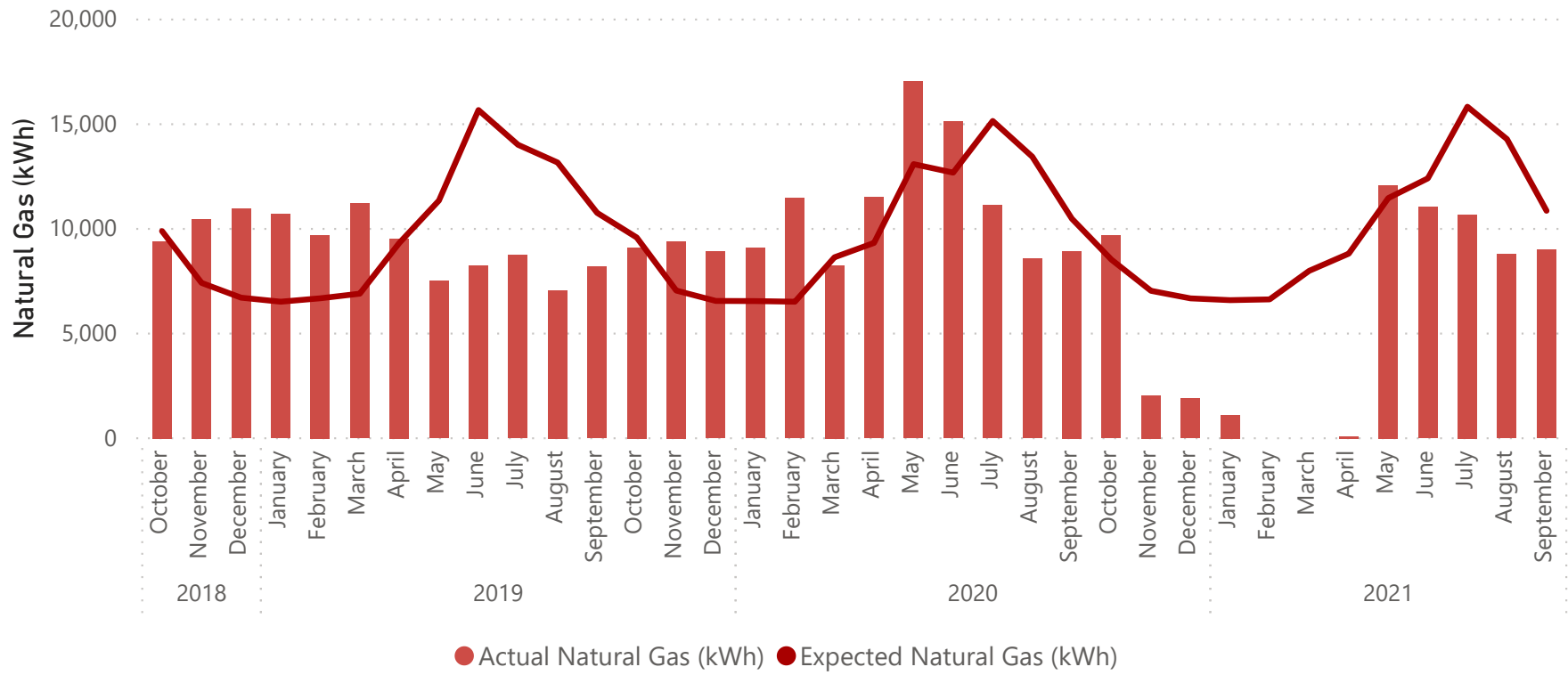


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

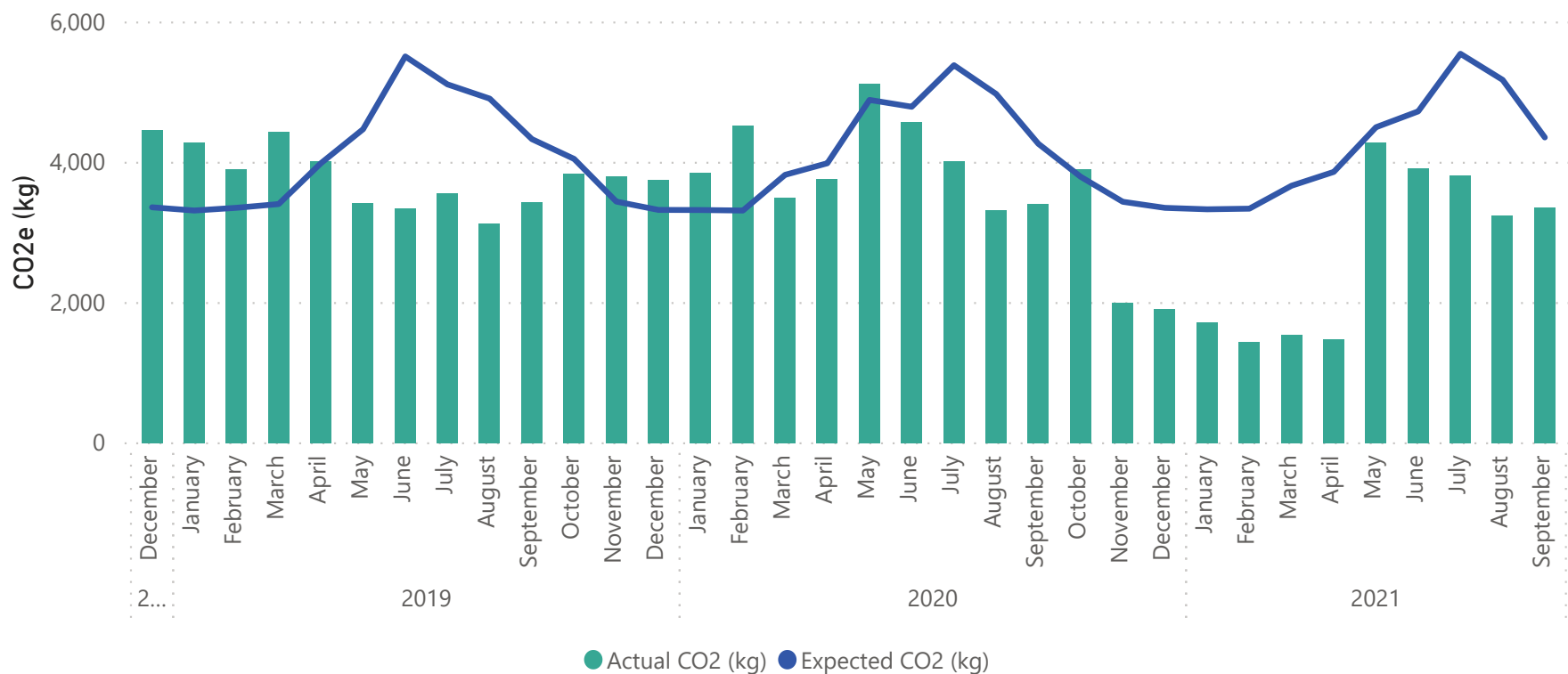
Whakatane District Council

Te Koputu Library

Te Koputu Library Natural Gas Compared to Baseline (kWh)



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

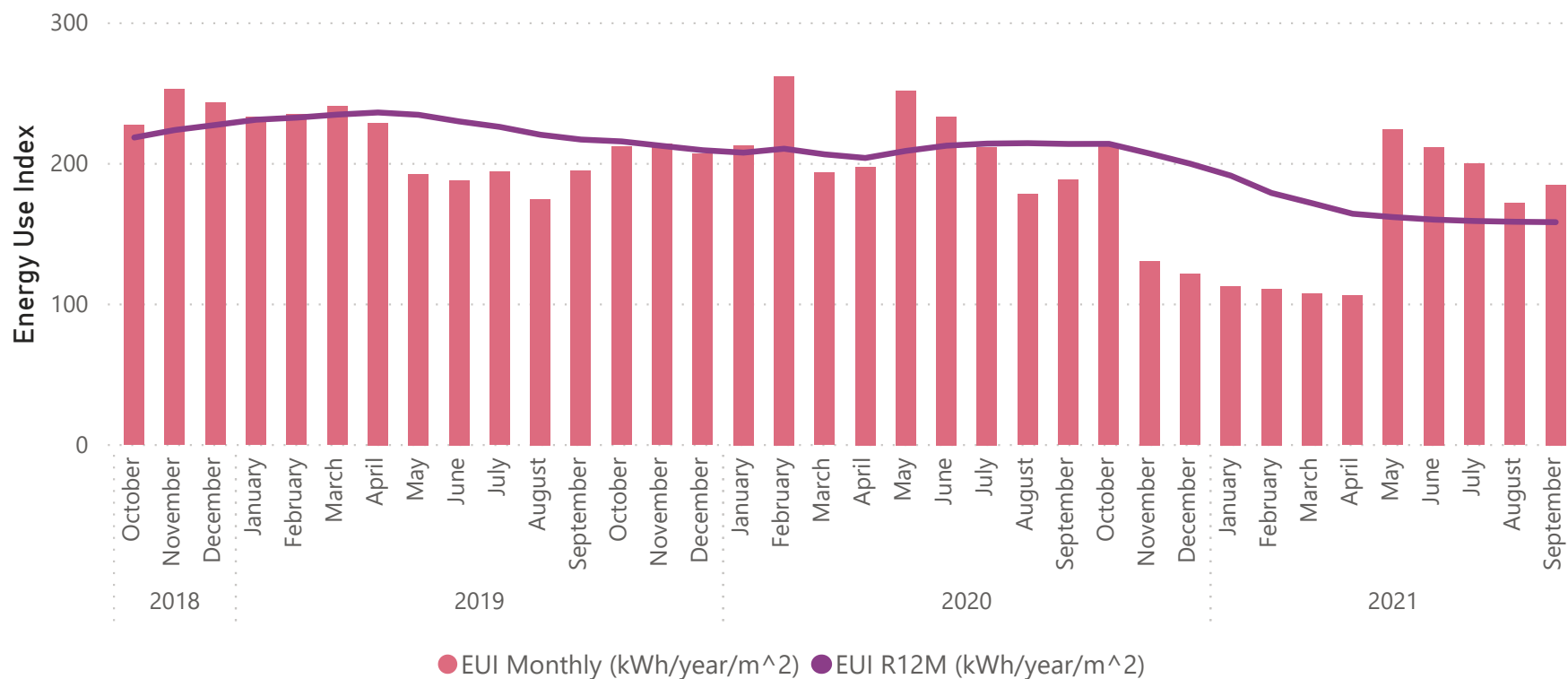


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

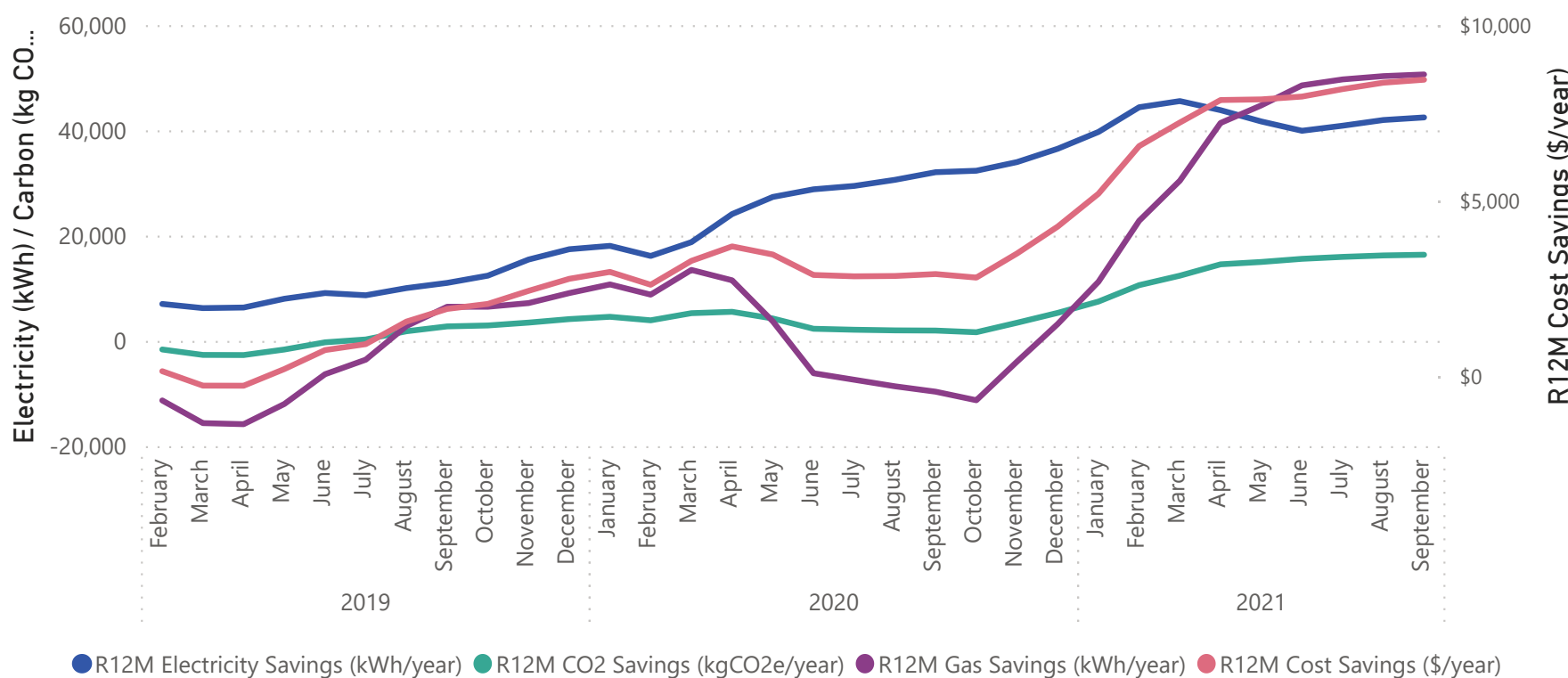
Whakatane District Council

Te Koputu Library

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



Te Koputu Library 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

Whakatane District Council

Museum and Research Centre

\$535 Monthly Energy Cost Savings	2,722 Elec. Savings (kWh/mo)	25% Elec. Savings (%)	18,614 R12M Electricity Savings (kWh/yr)	1,073 CO2e Savings (kg/mo)
\$3,520 R12M Energy Cost Savings	3,331 Gas. Savings (kWh/mo)	51% Gas. Savings (%)	18,596 R12M Gas Savings (kWh/yr)	6,427 R12M CO2e Savings (kg/yr)

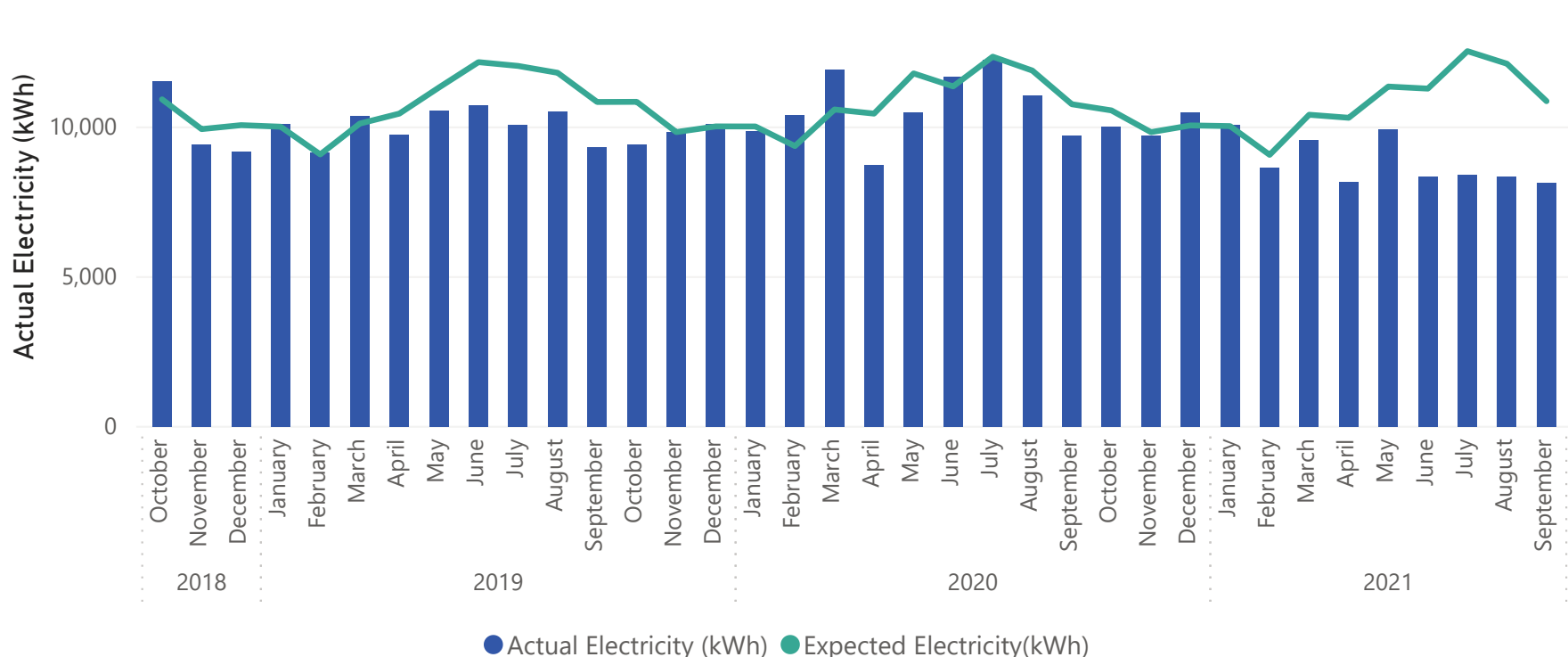
Comments:

Electricity use in September 2021 compared to September 2020 is 16% lower and gas use was 47% lower for the same period.

Some of these savings reflect the recent work on the HVAC system, operation of the air handling unit has been changed as well as modifying timing on air conditioning. Some of the savings are likely attributed to the Museum and Research Centre being closed to public during alert level 3.

Rolling 12 month savings have increased this month.

Museum Research Centre Electricity Use Compared to Baseline (kWh)

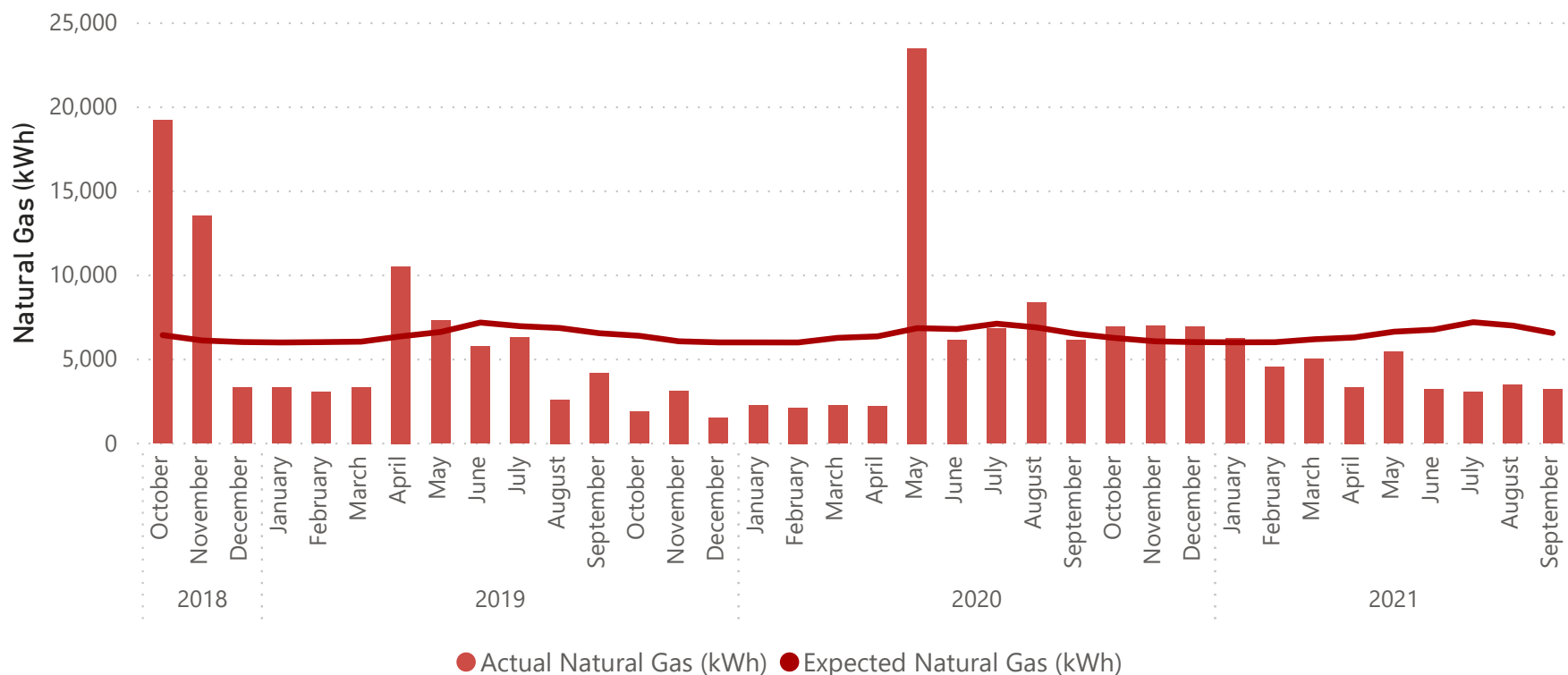


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

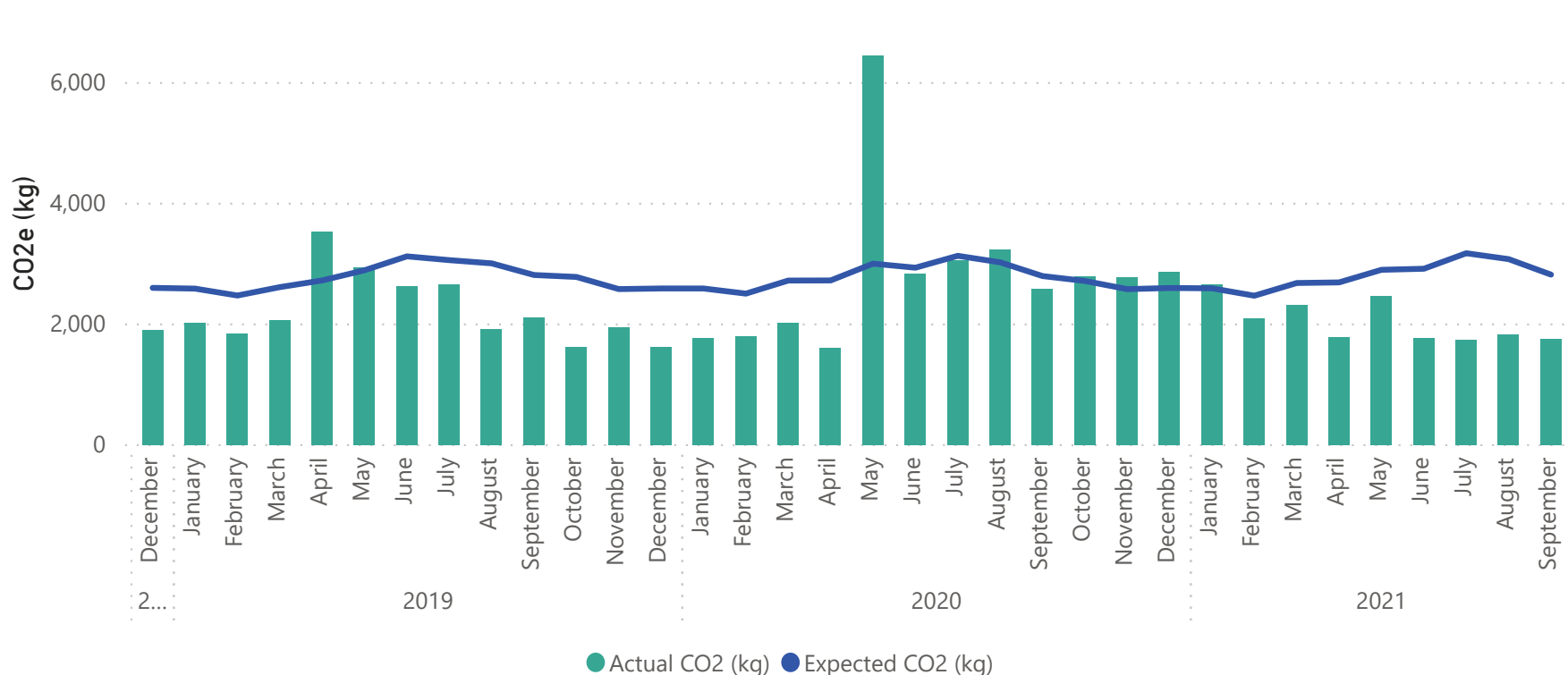
Whakatane District Council

Museum and Research Centre

Museum Research Centre Natural Gas Compared to Baseline (kWh)



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

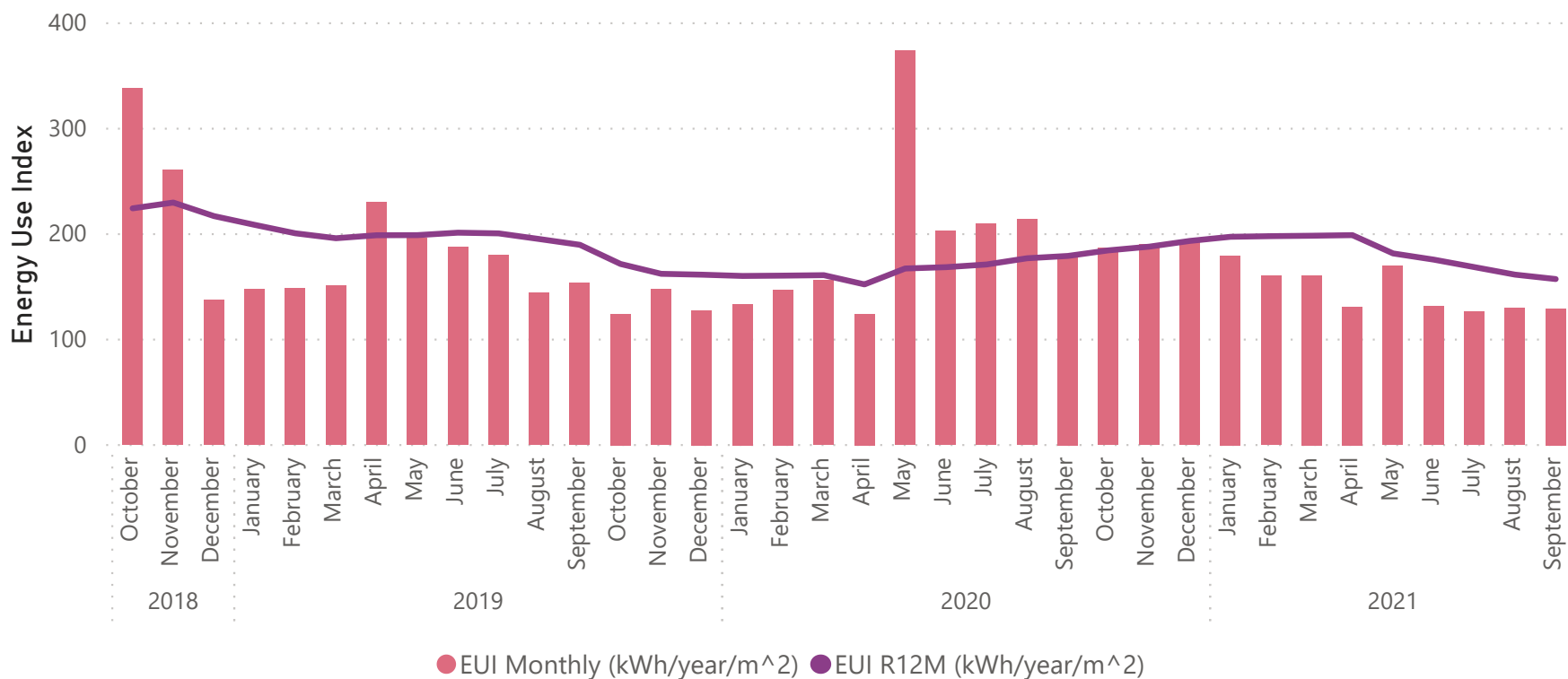


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

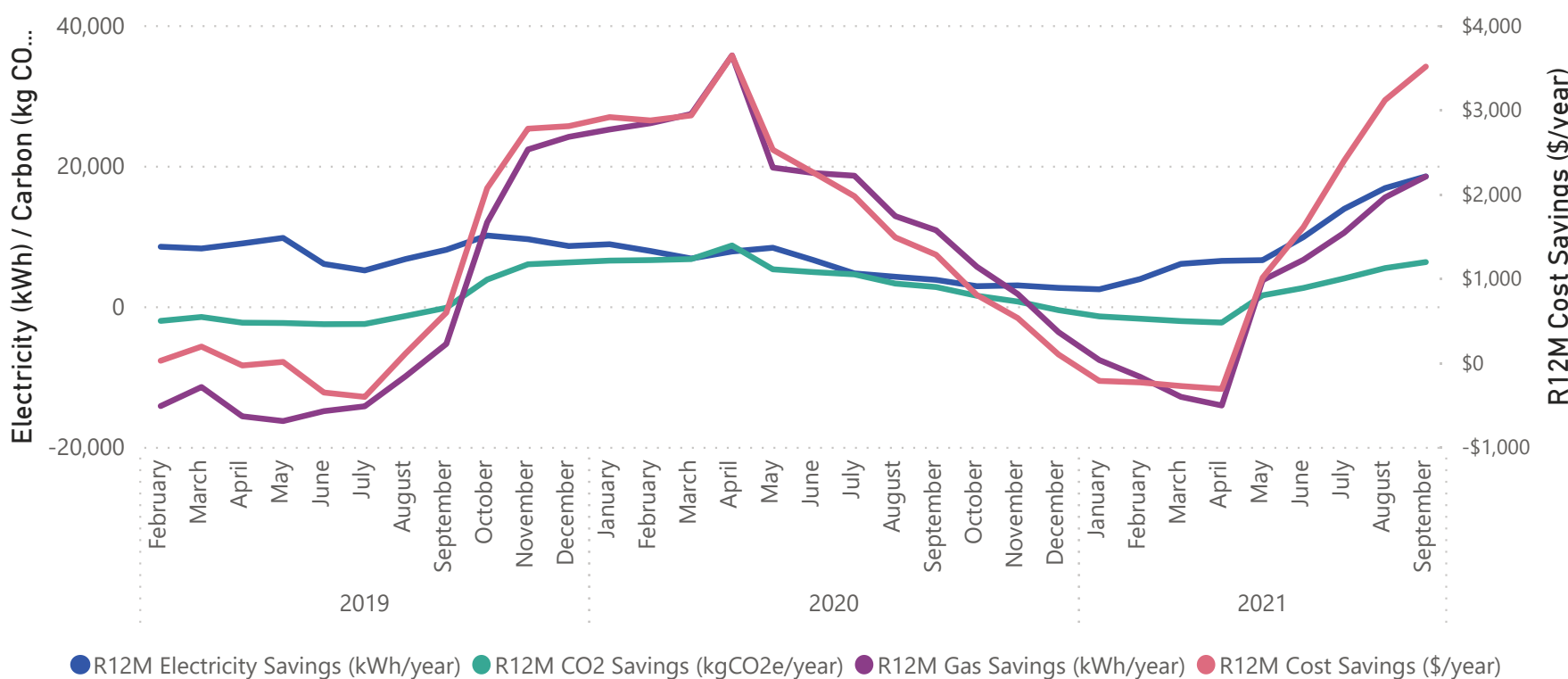
Whakatane District Council

Museum and Research Centre

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



Museum Research Centre 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

Whakatane District Council

Water Treatment Plant

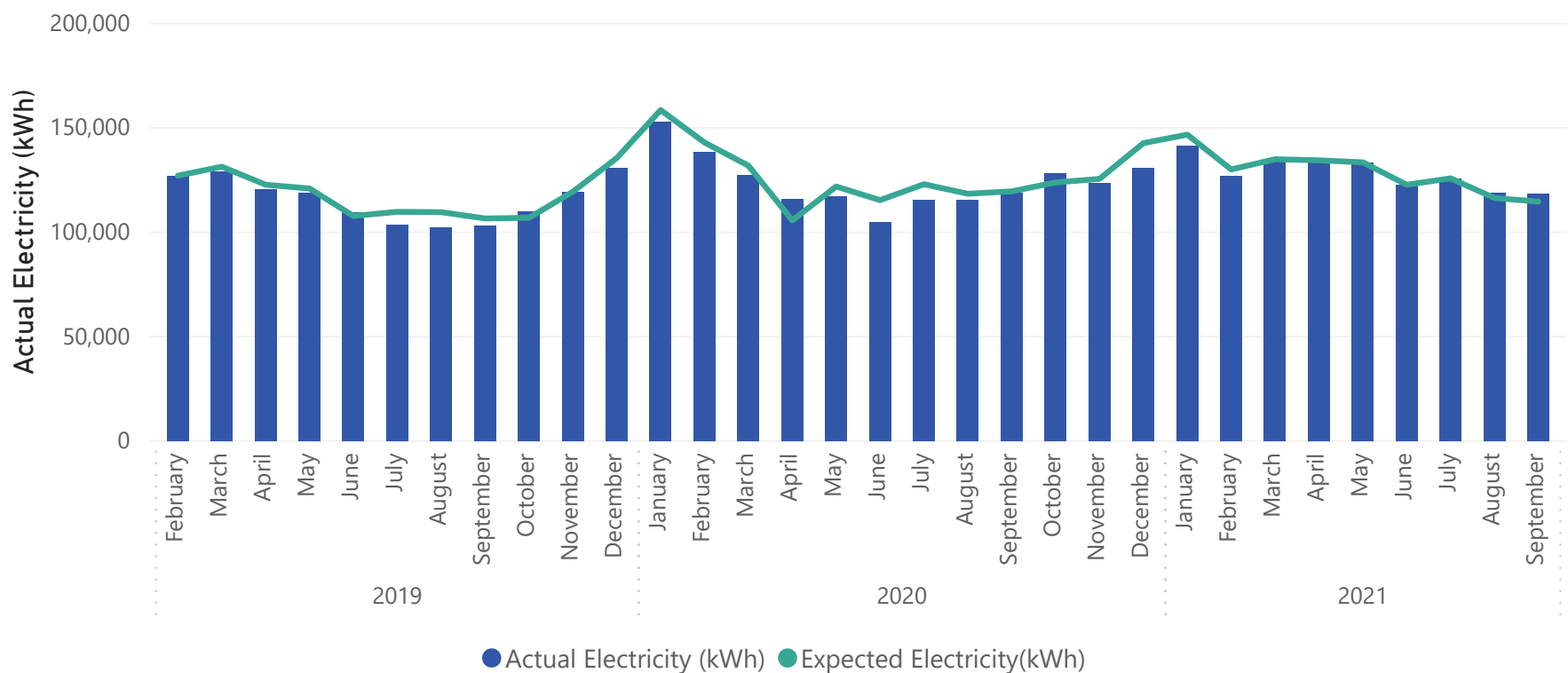
<p>-\$385</p> <p>Monthly Energy Cost Savings</p>	<p>-3,693</p> <p>Elec. Savings (kWh/mo)</p>	<p>-3%</p> <p>Elec. Savings (%)</p>	<p>13,431</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>-475</p> <p>CO2e Savings (kg/mo)</p>
<p>\$1,360</p> <p>R12M Energy Cost Savings</p>				<p>1,729</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Metering for April to July 2021 was incorrect and was previously only picking up approximately half of the actual value. To rectify this in monitoring, electricity use for those months have been set equal to expected electricity use.

Electricity use in September 2021 is slightly above baseline.

Water Treatment Plant Electricity Use Compared to Baseline (kWh)

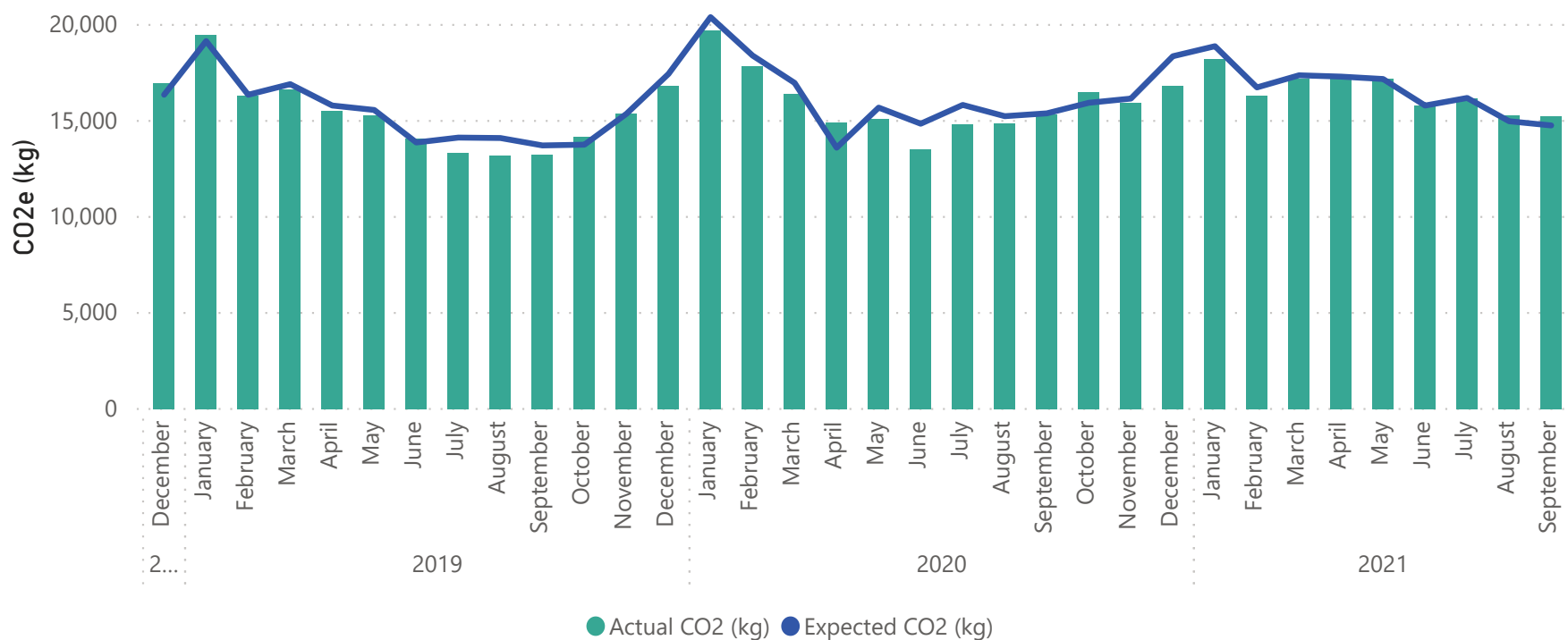


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

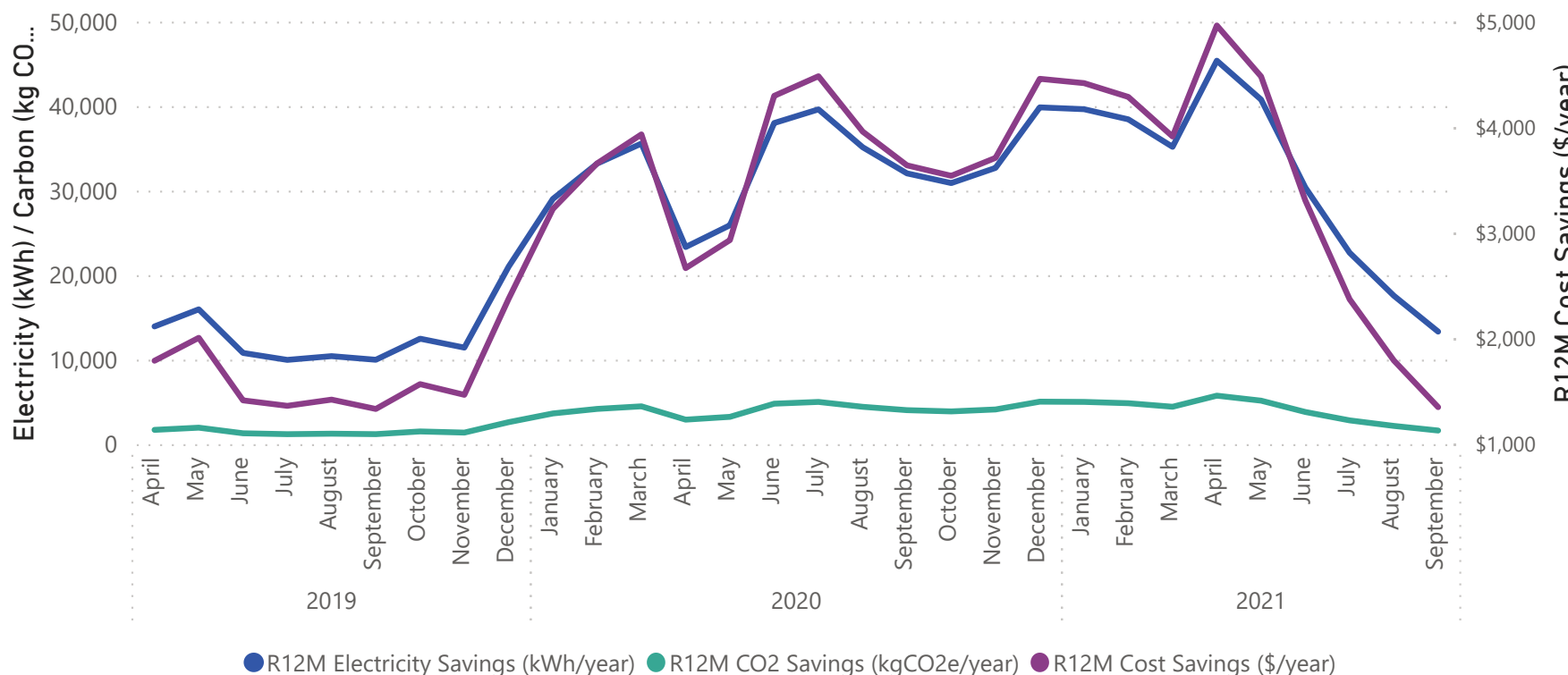
Whakatane District Council

Water Treatment Plant

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



Water Treatment Plant Cumulative Rolling 12 Month Savings

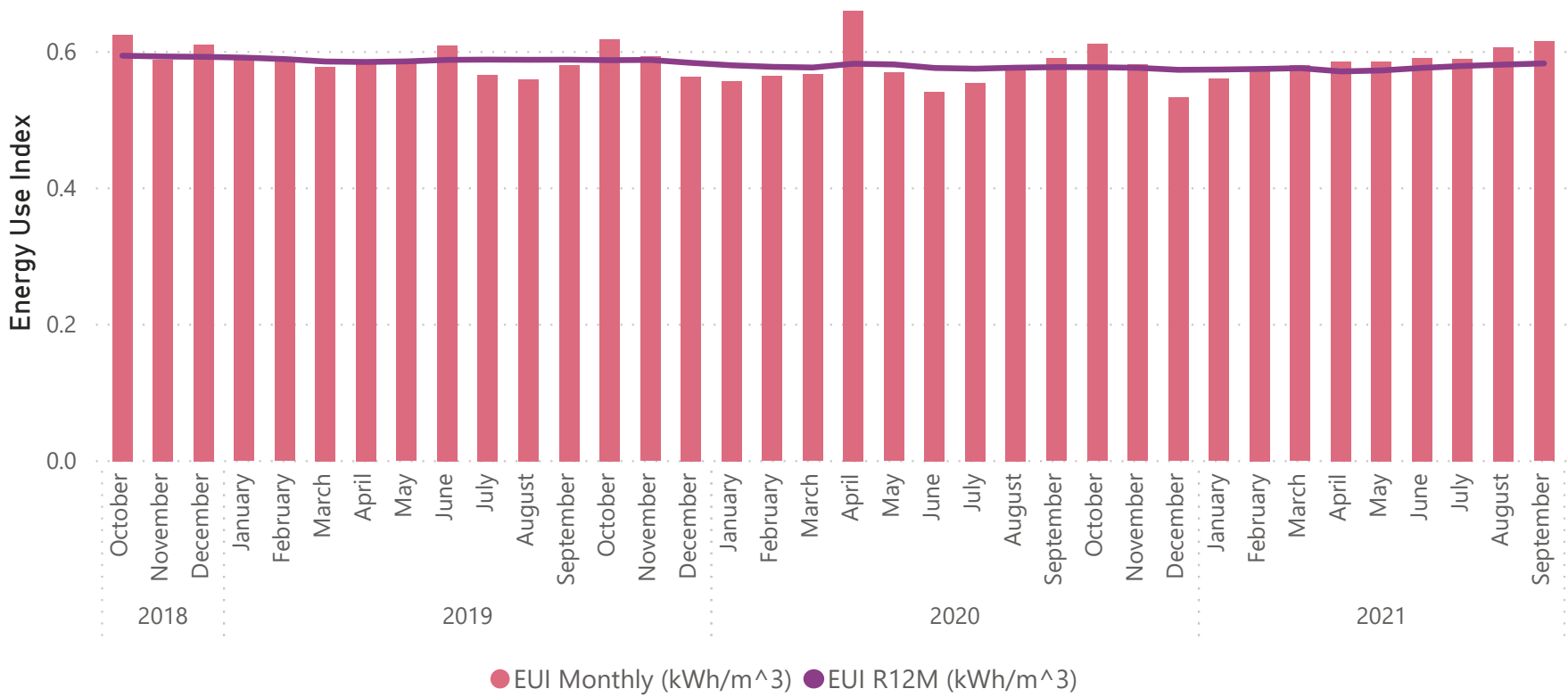


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

Whakatane District Council

Water Treatment Plant

Water Treatment Plant 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

Whakatane District Council

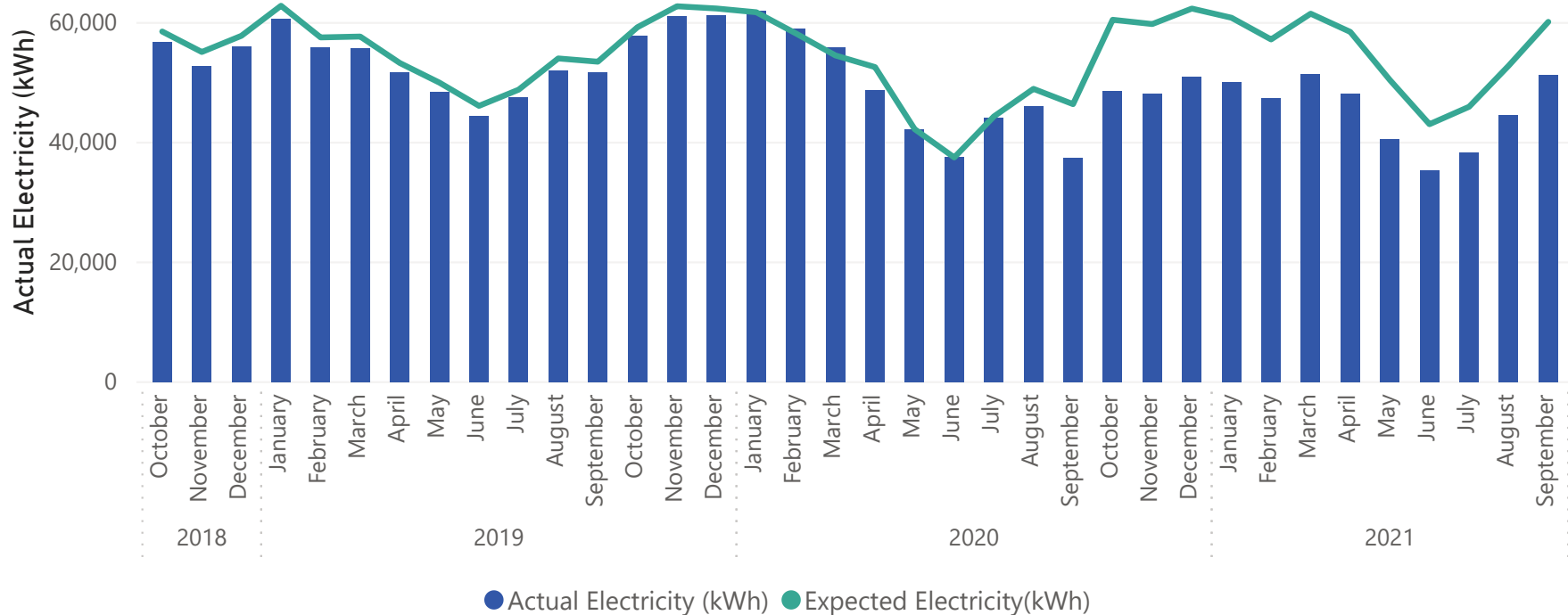
Braemar Road Pump Station

<p>\$965</p> <p>Monthly Energy Cost Savings</p>	<p>8,952</p> <p>Elec. Savings (kWh/mo)</p>	<p>15%</p> <p>Elec. Savings (%)</p>	<p>118,843</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>1,171</p> <p>CO2e Savings (kg/mo)</p>
<p>\$12,824</p> <p>R12M Energy Cost Savings</p>				<p>15,826</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Continued savings from high efficiency pumps and motors, installed September 2020. Rolling 12 month savings have settled with approximate savings of \$12,800 per year, 120,000 kWh per year, and 15,800 kgCO2e per year.

Braemar Rd Pumps Electricity Use Compared to Baseline (kWh)

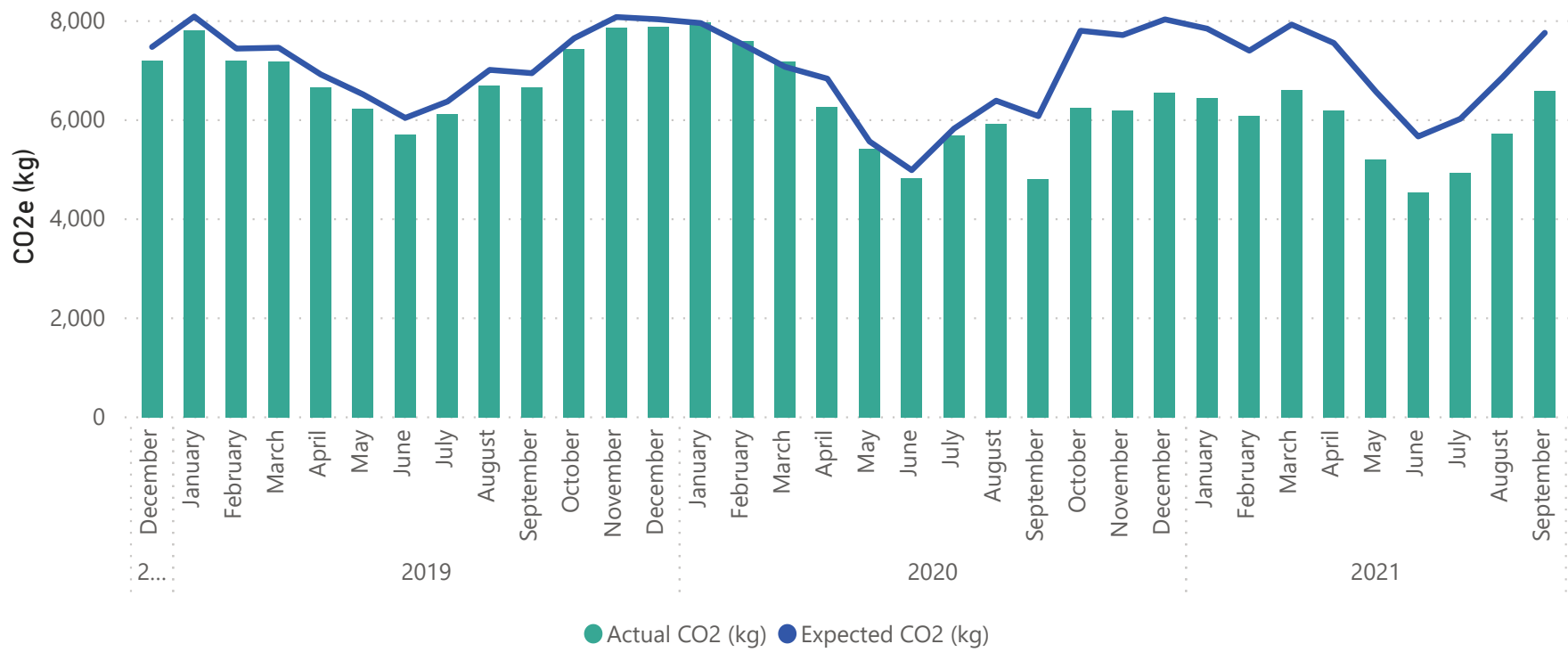


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

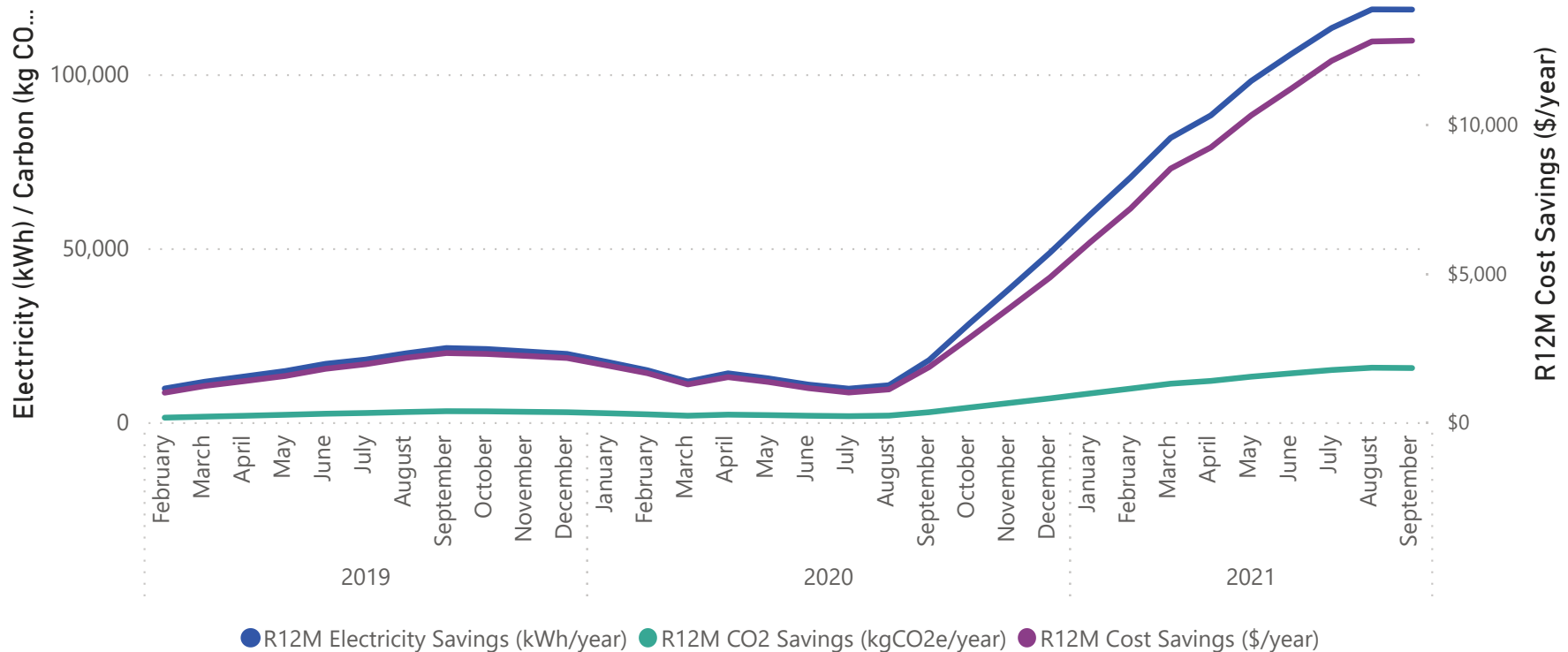
Whakatane District Council

Braemar Road Pump Station

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



Braemar Rd Pumps Cumulative Rolling 12 Month Savings

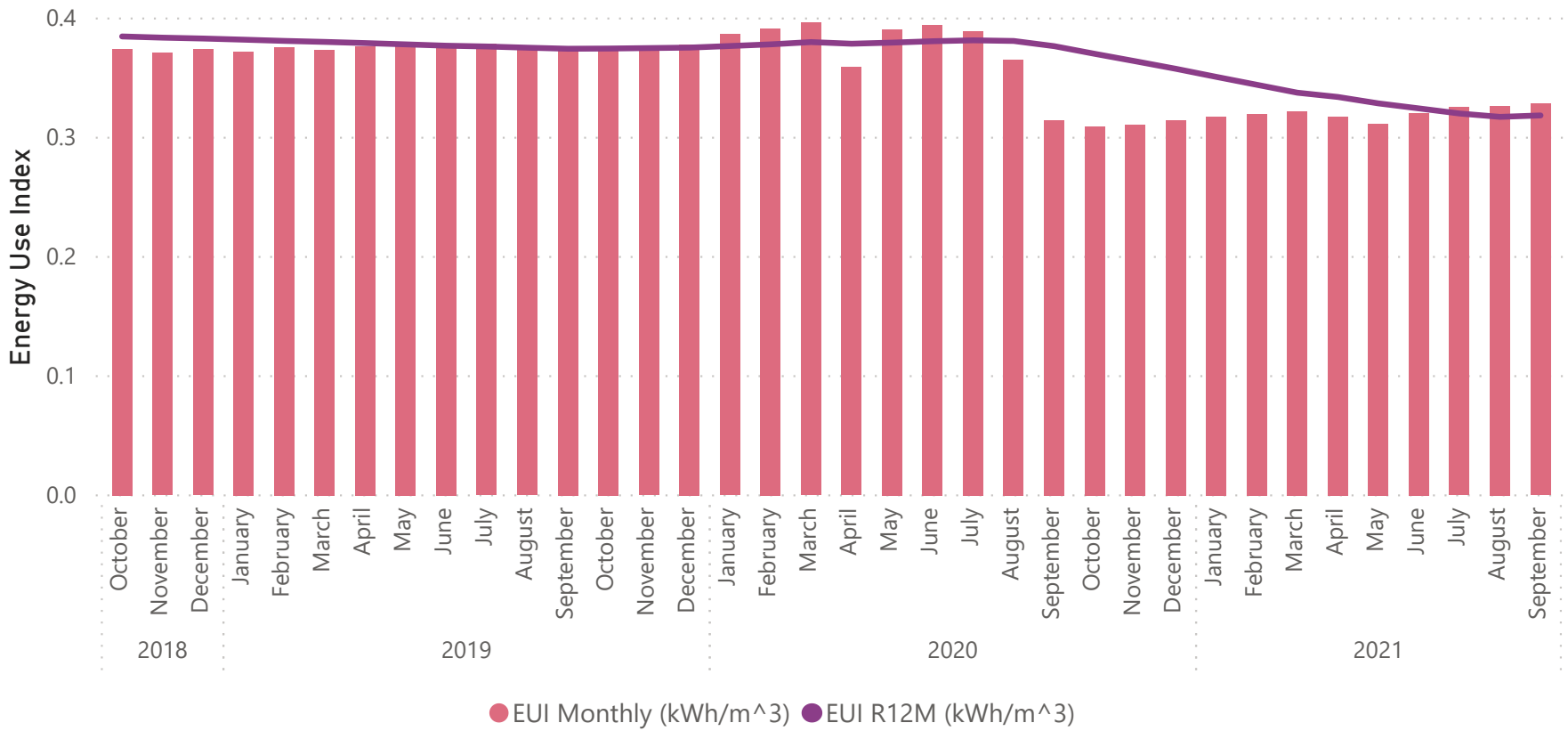


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

Whakatane District Council

Braemar Road Pump Station

Braemar 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

Whakatane District Council

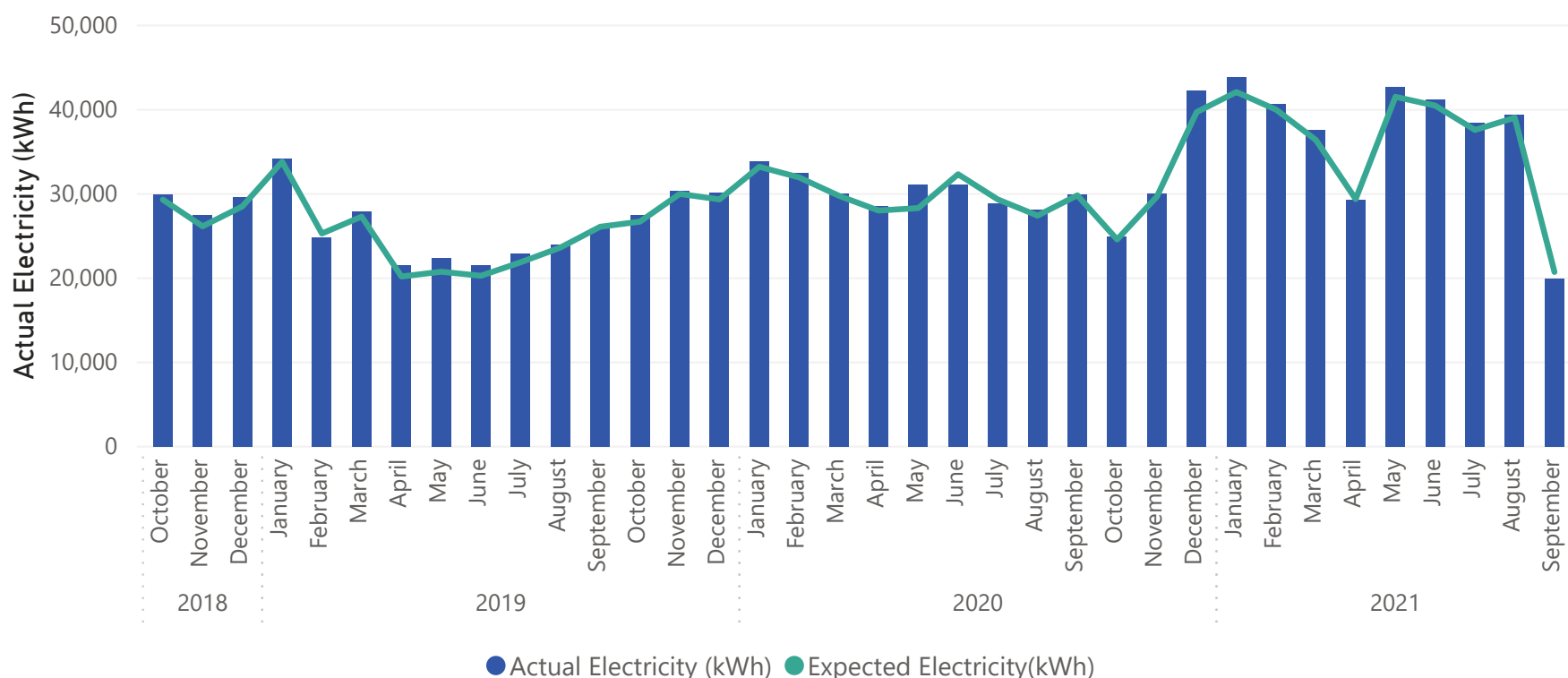
Paul Road Pump Station

<p>\$85</p> <p>Monthly Energy Cost Savings</p>	<p>800</p> <p>Elec. Savings (kWh/mo)</p>	<p>4%</p> <p>Elec. Savings (%)</p>	<p>-8,948</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>103</p> <p>CO2e Savings (kg/mo)</p>
<p>-\$952</p> <p>R12M Energy Cost Savings</p>				<p>-1,142</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Demand has dropped to approximately half of what it was in August. On an EUI basis, the pumps have used marginally more energy per cubic meter, 0.68 kWh per cubic meter, compared to the average for the past 12 months, 0.65 kWh per cubic meter. As Paul Road Pump Station has a non-zero baseload, it is expected that as the pump station is used less, the EUI will also increase.

Paul Rd Pumps Electricity Use Compared to Baseline (kWh)

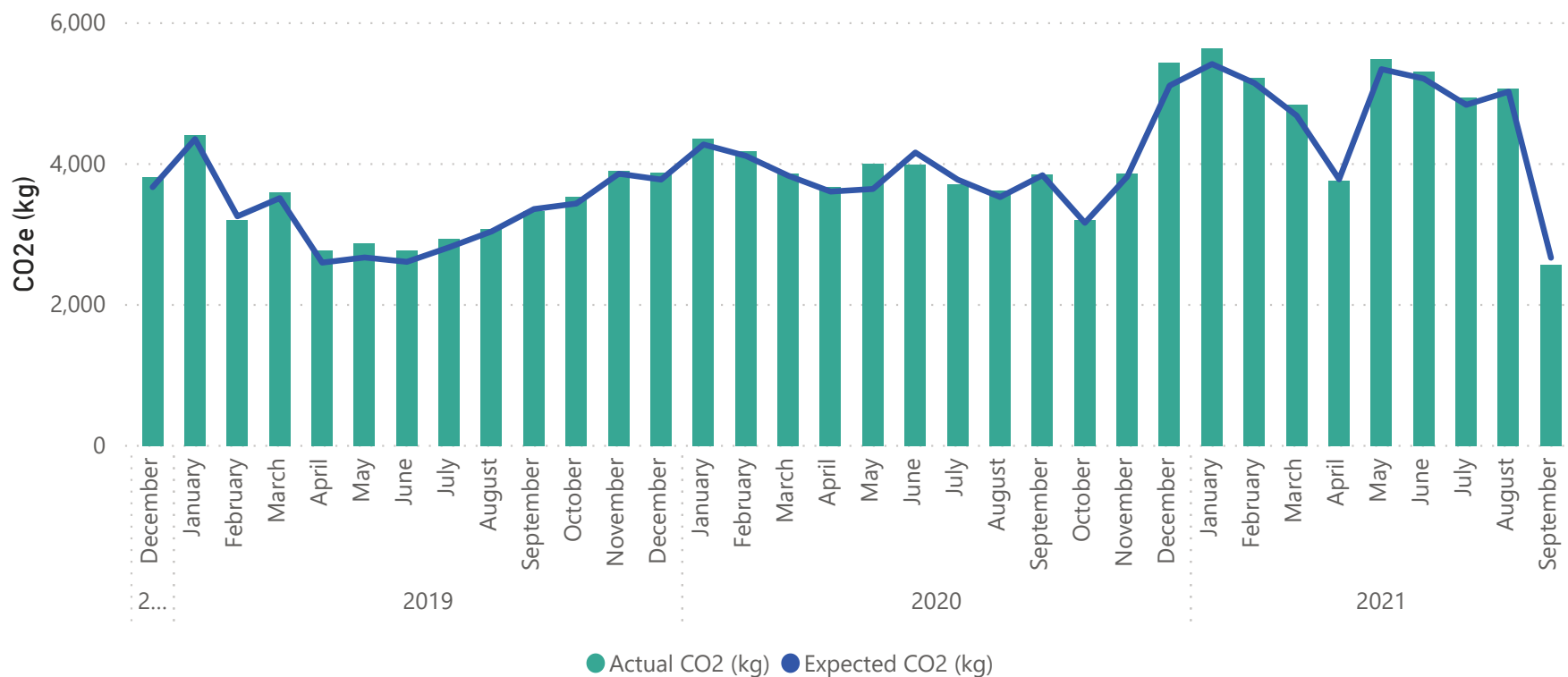


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

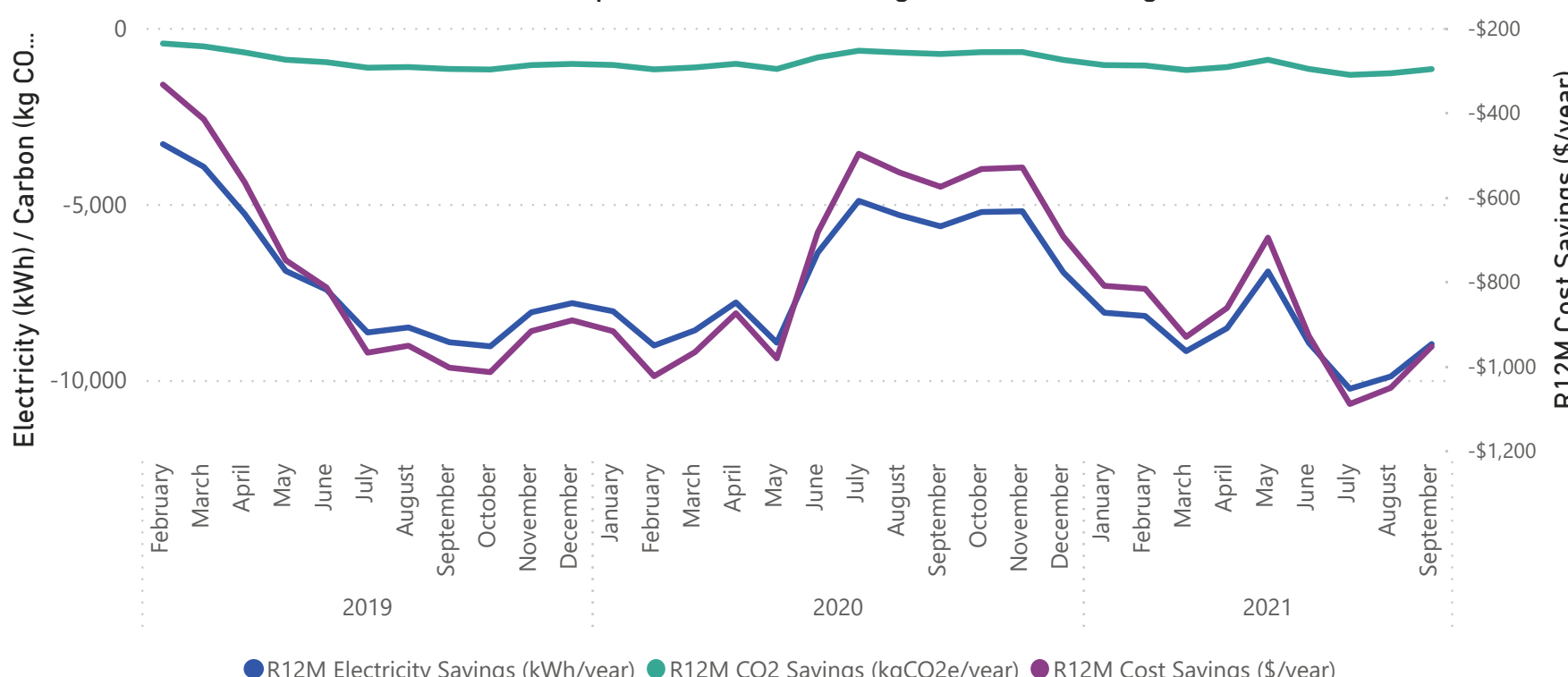
Whakatane District Council

Paul Road Pump Station

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



Paul Rd Pumps Cumulative Rolling 12 Month Savings

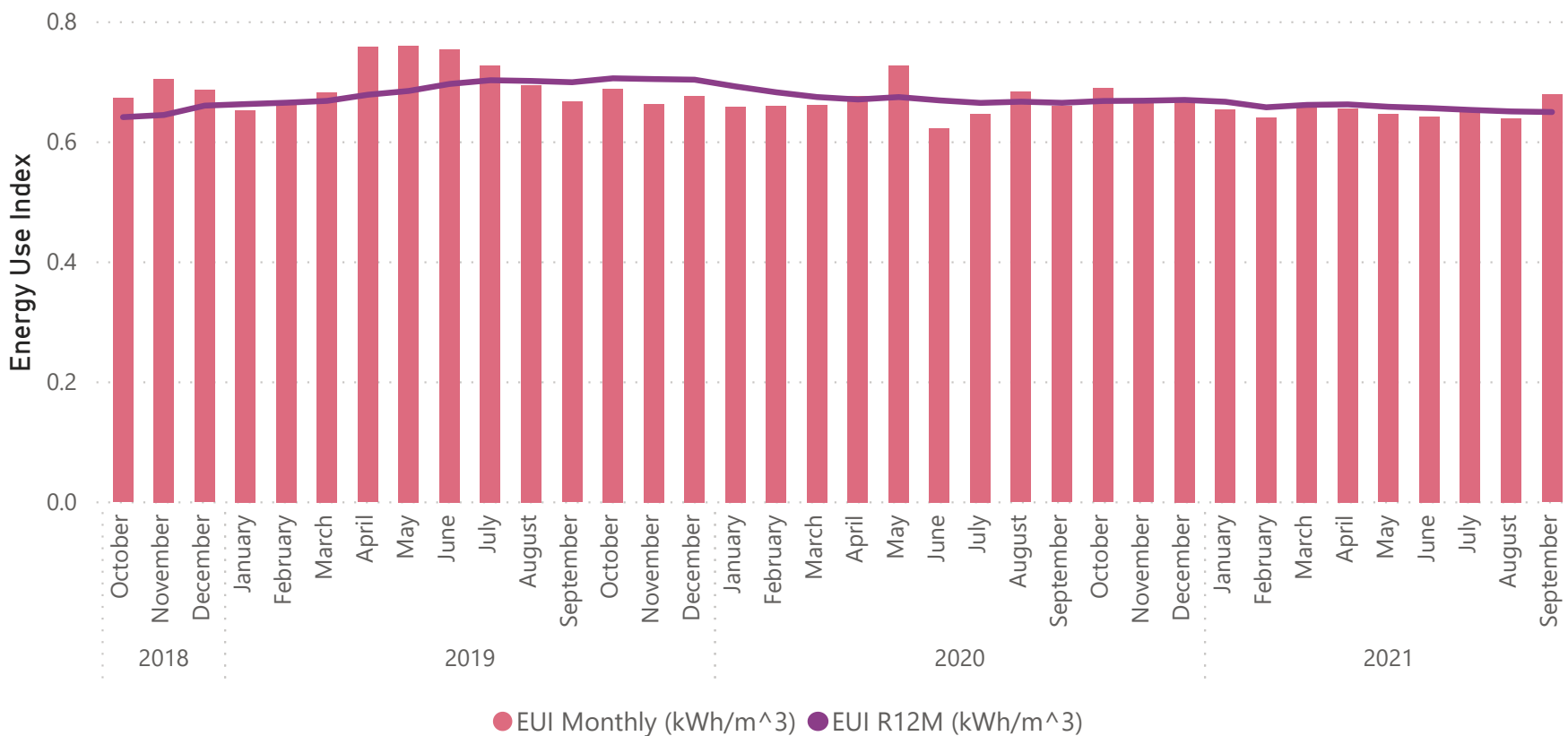


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

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

Whakatane District Council

Johnson Road Pump Station

<p>\$492</p> <p>Monthly Energy Cost Savings</p>	<p>2,230</p> <p>Elec. Savings (kWh/mo)</p>	<p>23%</p> <p>Elec. Savings (%)</p>	<p>-238</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>287</p> <p>CO2e Savings (kg/mo)</p>
<p>-\$57</p> <p>R12M Energy Cost Savings</p>				<p>-25</p> <p>R12M CO2e Savings (kg/yr)</p>

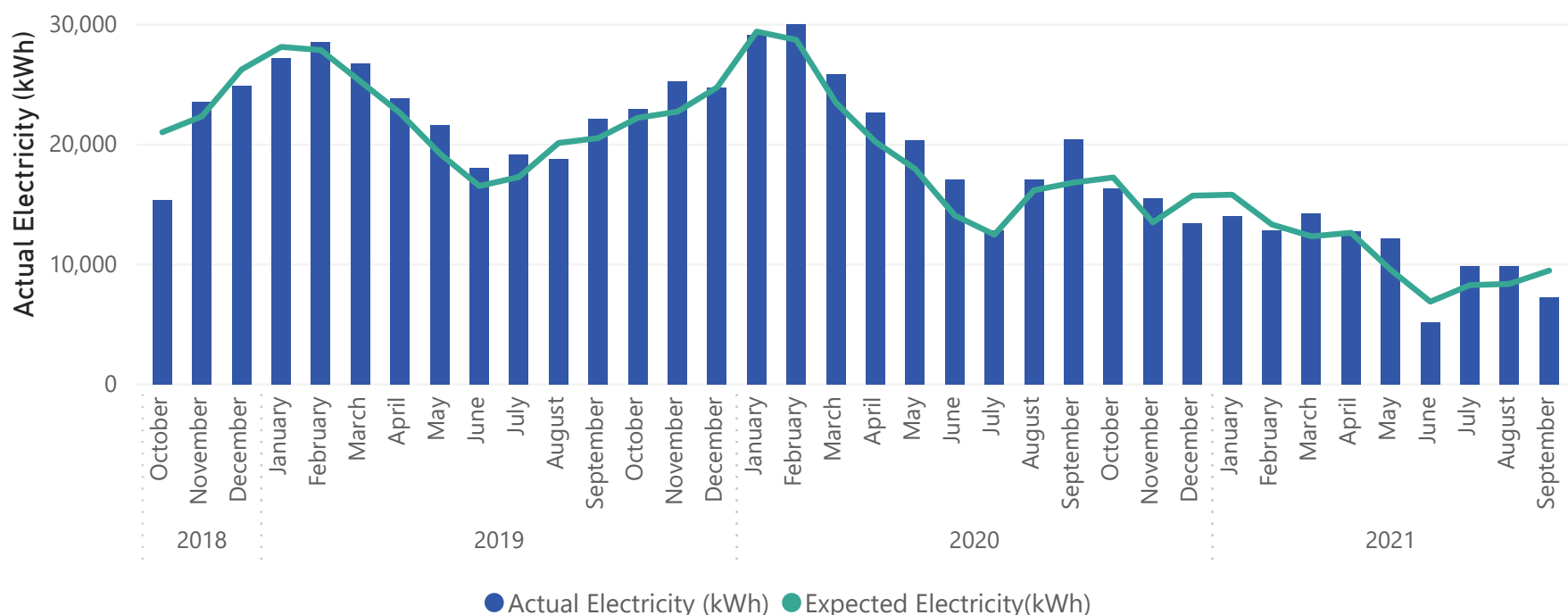
Comments:

Generally, both Paul Road and Johnson Rd's EUIs are approximately twice as high compared to Bridger Glade and Braemar Road on a kWh per cubic meter pumped basis. This may be due to operating at different pressures.

For May to August 2021, Johnson Road Pump Station's EUI has increased by approximately 60% compared to previous 12 months. The month of September has reduced the EUI to less than the 12 month average.

As Johnson Road Pump Station has a non-zero baseload, it is expected that as the pump station is used less, the EUI will also increase.

Johnson Rd Pumps Electricity Use Compared to Baseline (kWh)

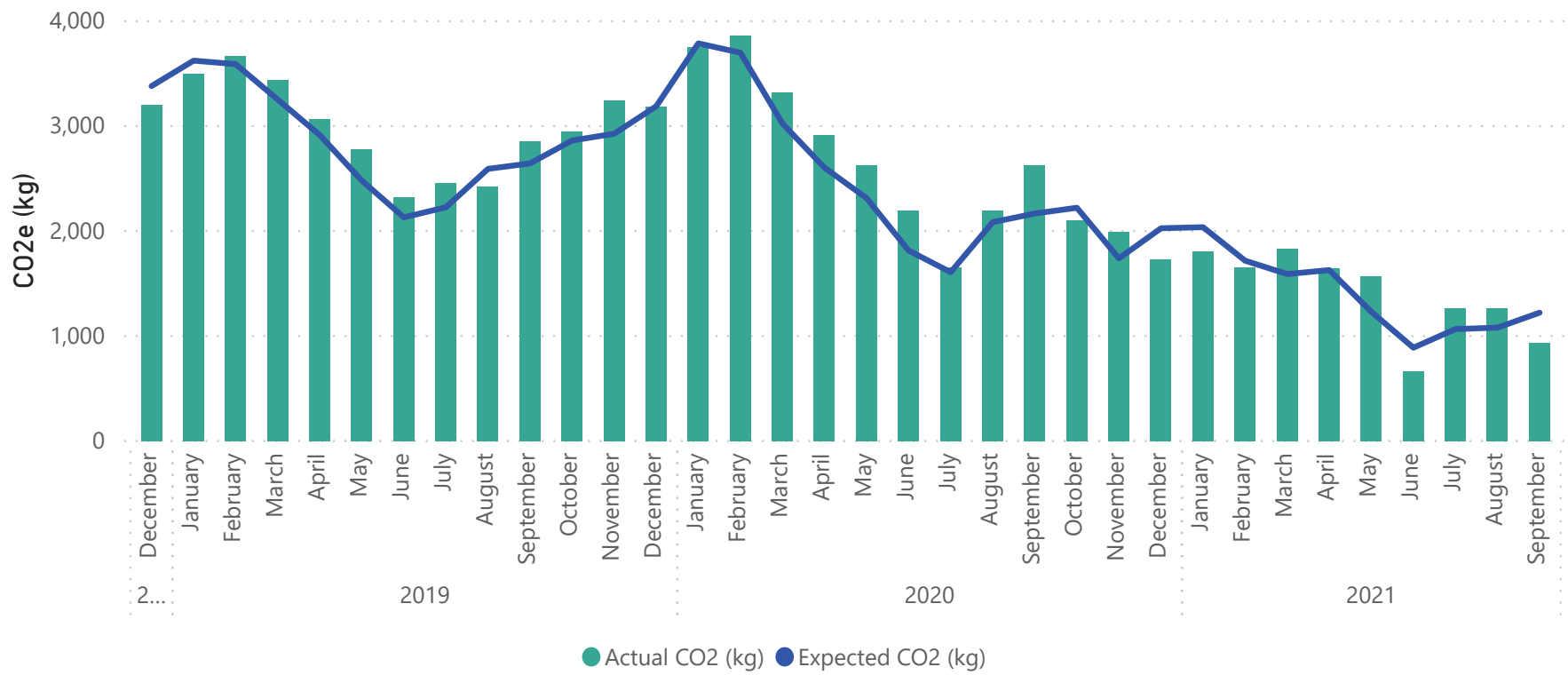


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

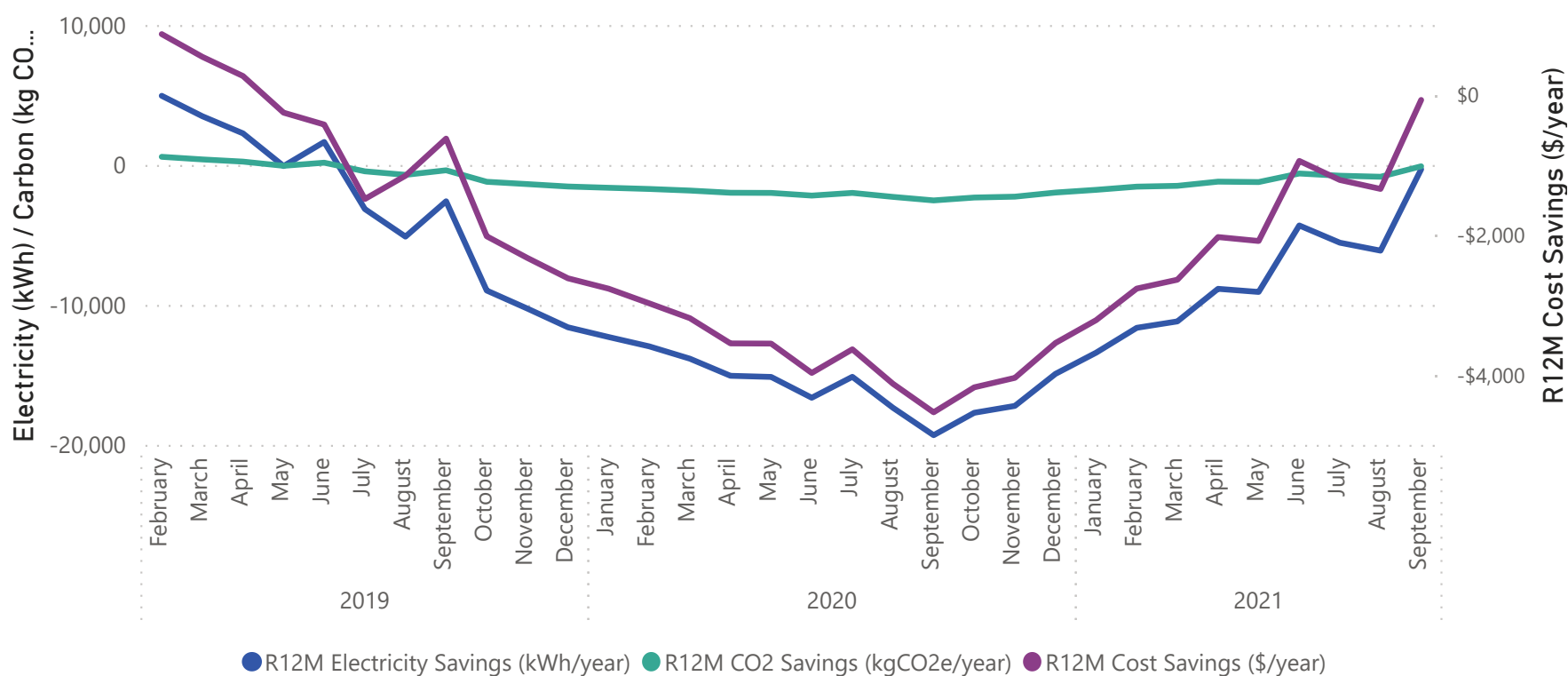
Whakatane District Council

Johnson Road Pump Station

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



Johnson Rd Pumps Cumulative Rolling 12 Month Savings

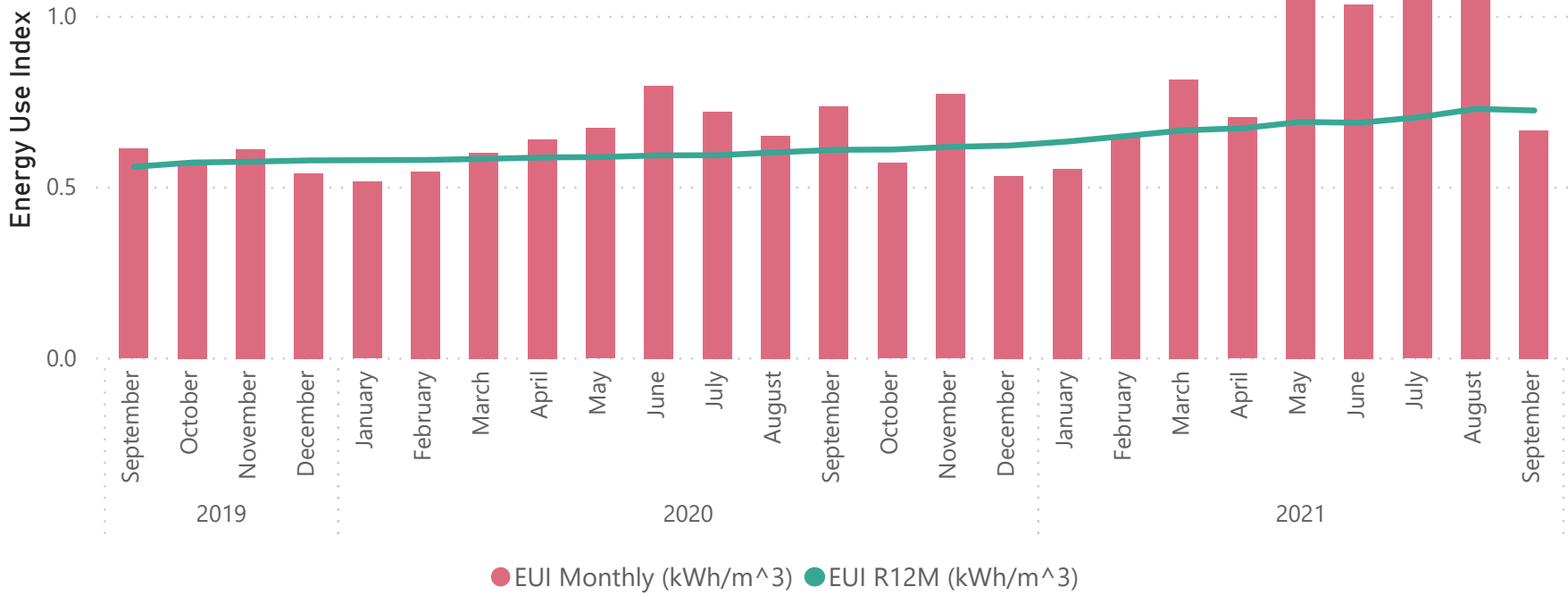


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

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

Whakatane District Council

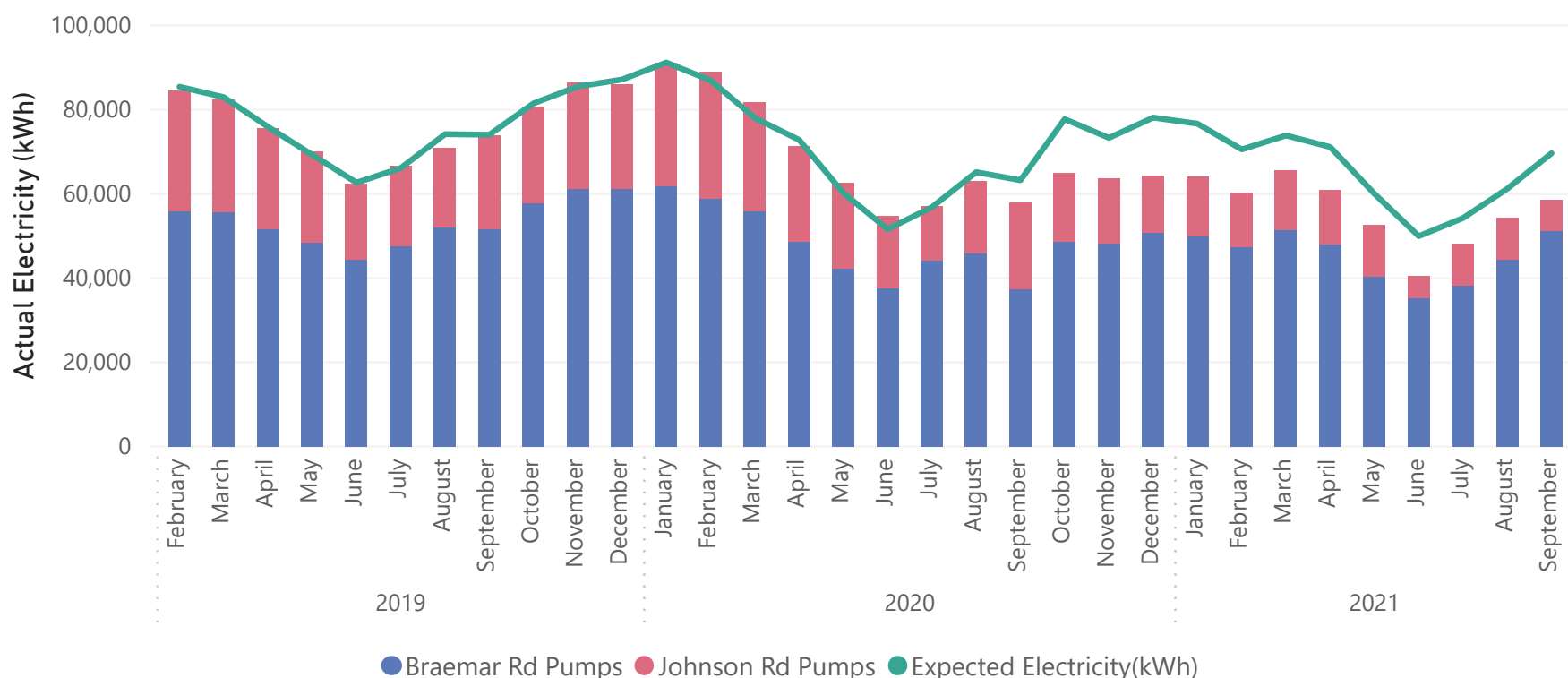
Johnson and Braemar Rd Pump Stations

<p>\$1,457</p> <p>Monthly Energy Cost Savings</p>	<p>11,181</p> <p>Elec. Savings (kWh/mo)</p>	<p>16%</p> <p>Elec. Savings (%)</p>	<p>118,605</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>1,458</p> <p>CO2e Savings (kg/mo)</p>
<p>\$12,767</p> <p>R12M Energy Cost Savings</p>				<p>15,801</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

It is clear from the combined monitoring how the new, more efficient pumps (installed September 2020) at Braemar Road greatly contribute to the collective savings. On an EUI basis, even before the more efficient pumps were installed, Braemar Road was pumping water more efficiently than Johnson Rd.

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

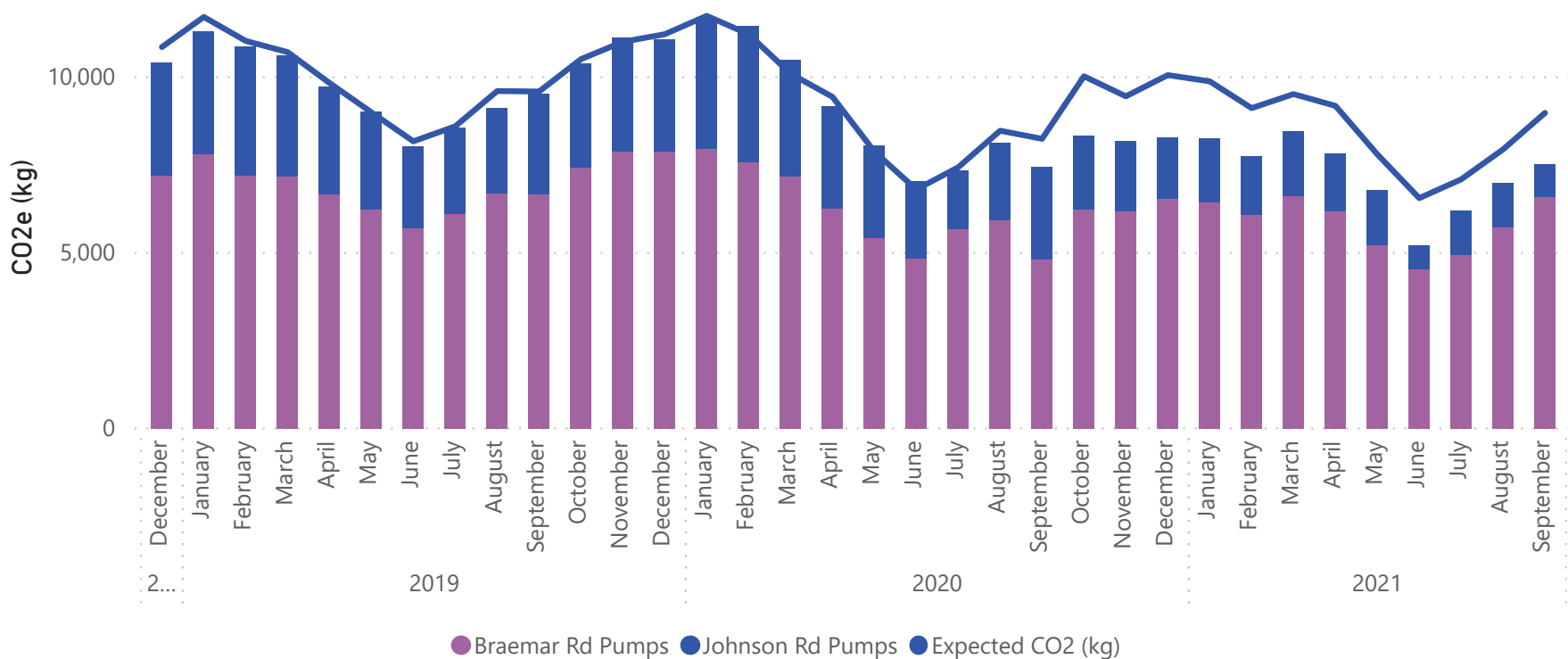


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

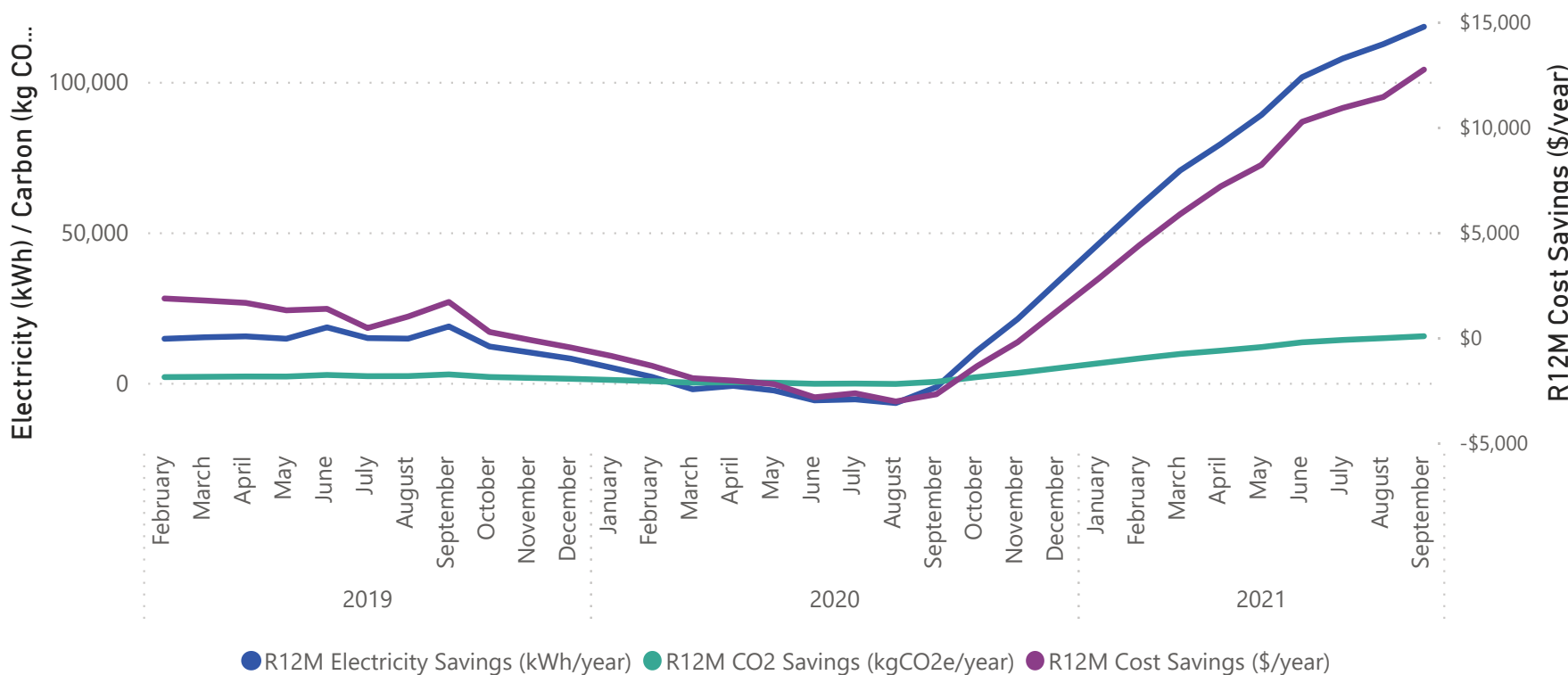
Whakatane District Council

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

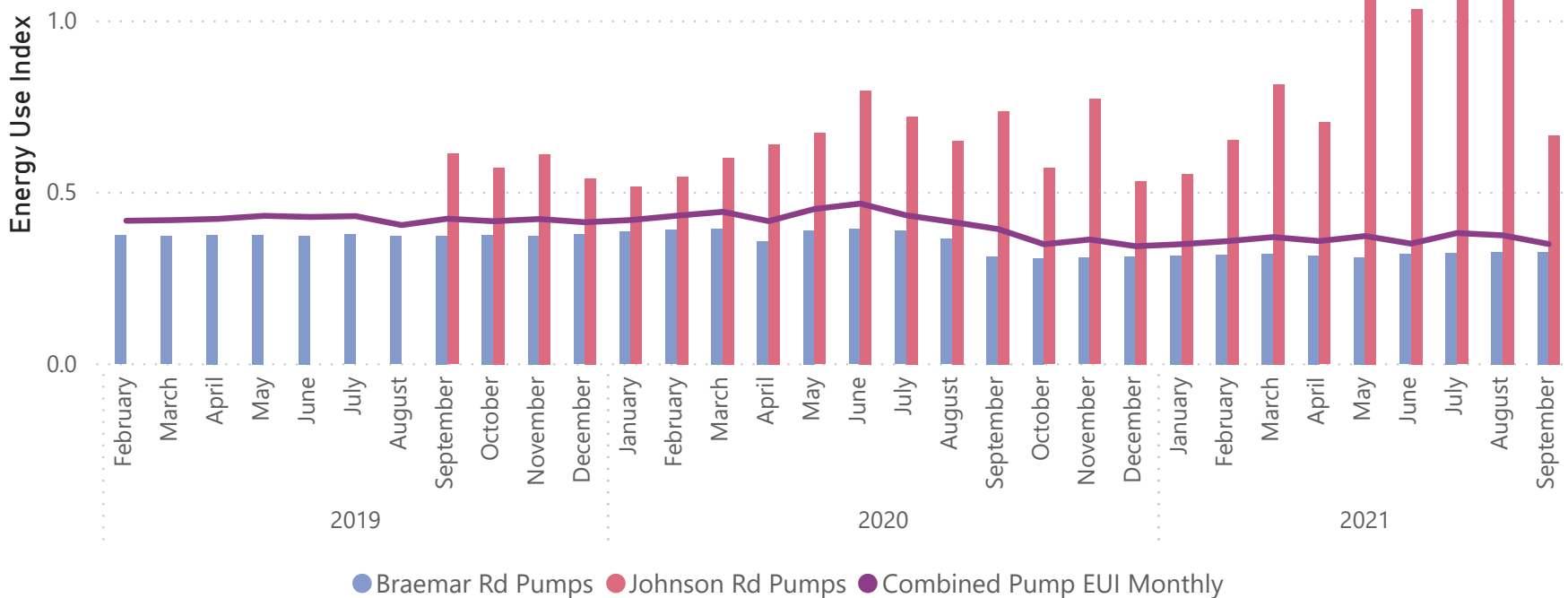


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

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

Whakatane District Council

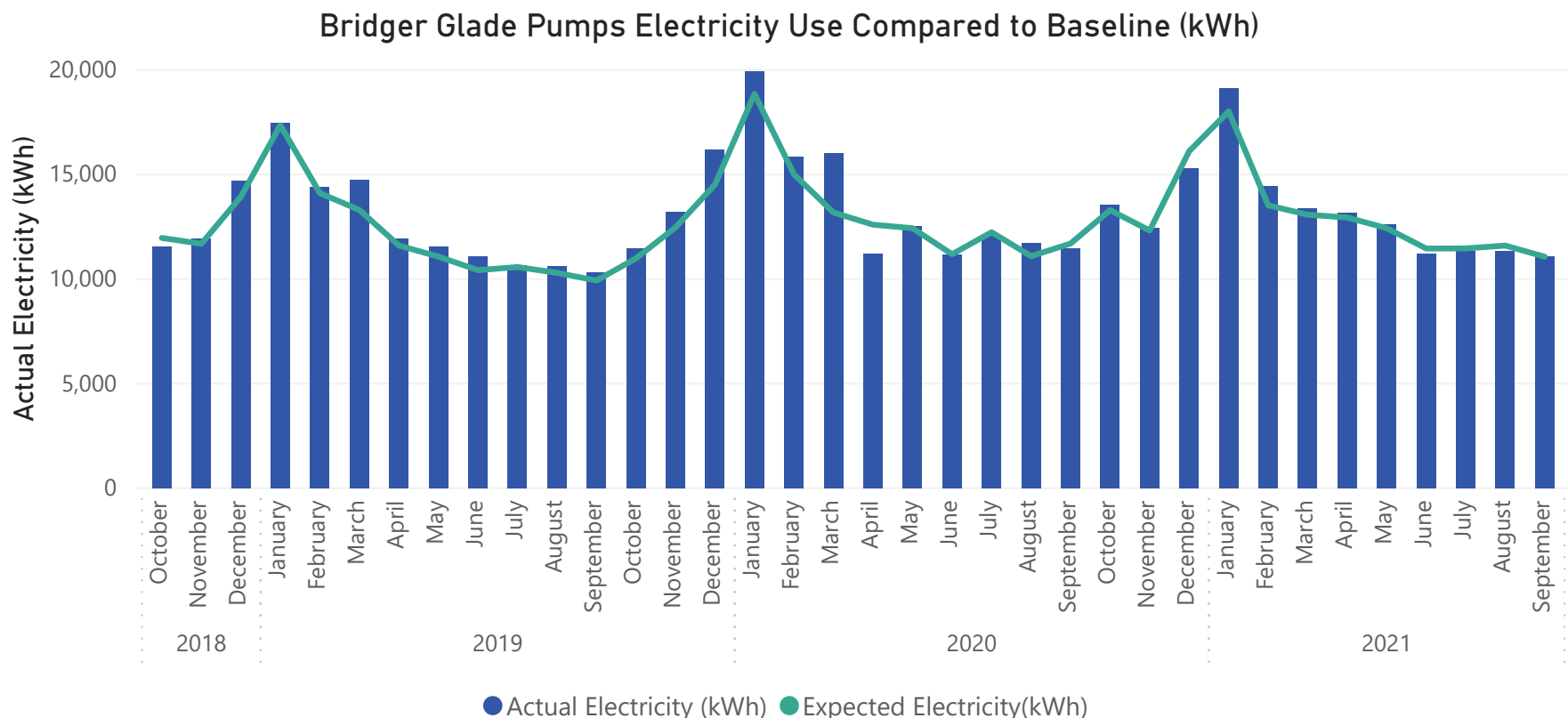
Bridger Glade Pump Station

<p>-\$0</p> <p>Monthly Energy Cost Savings</p>	<p>-1</p> <p>Elec. Savings (kWh/mo)</p>	<p>-0%</p> <p>Elec. Savings (%)</p>	<p>-1,600</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>0</p> <p>CO2e Savings (kg/mo)</p>
<p>-\$285</p> <p>R12M Energy Cost Savings</p>				<p>-206</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Electricity use was equal to baseline (differing by just 1 kWh) for the month of September 2021 at Bridger Glade pump station.

In September 2021 the volume of water pumped was 5% less and electricity was 3% less compared to to September 2020.

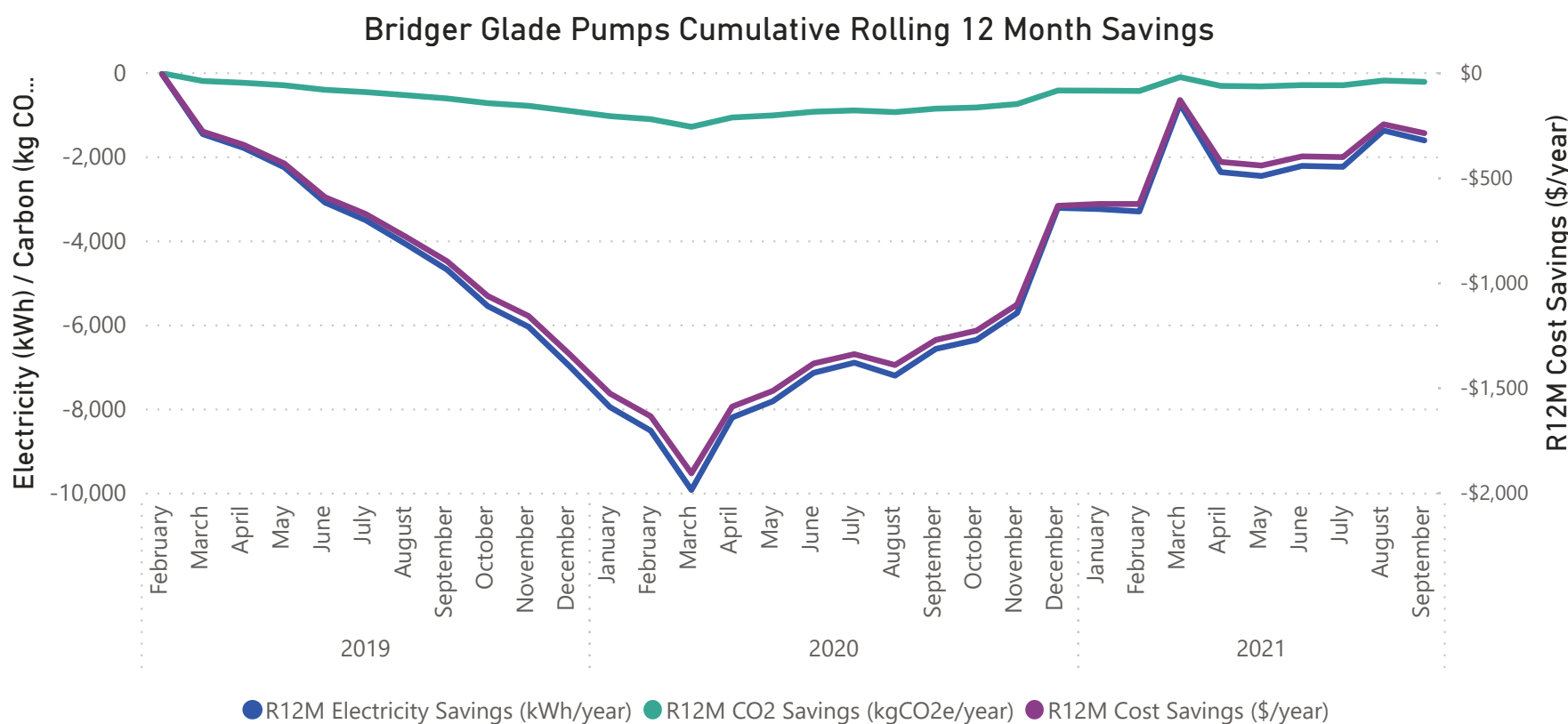
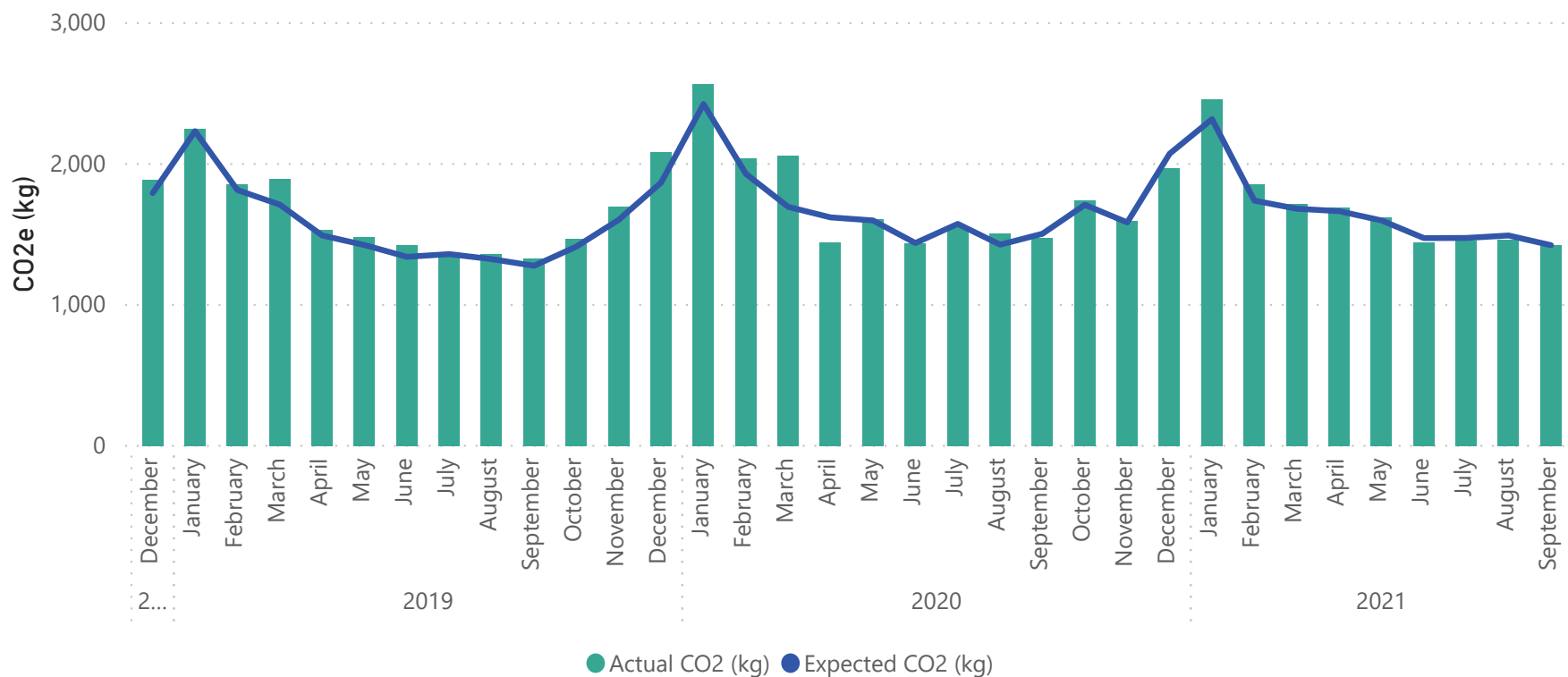


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

Whakatane District Council

Bridger Glade Pump Station

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

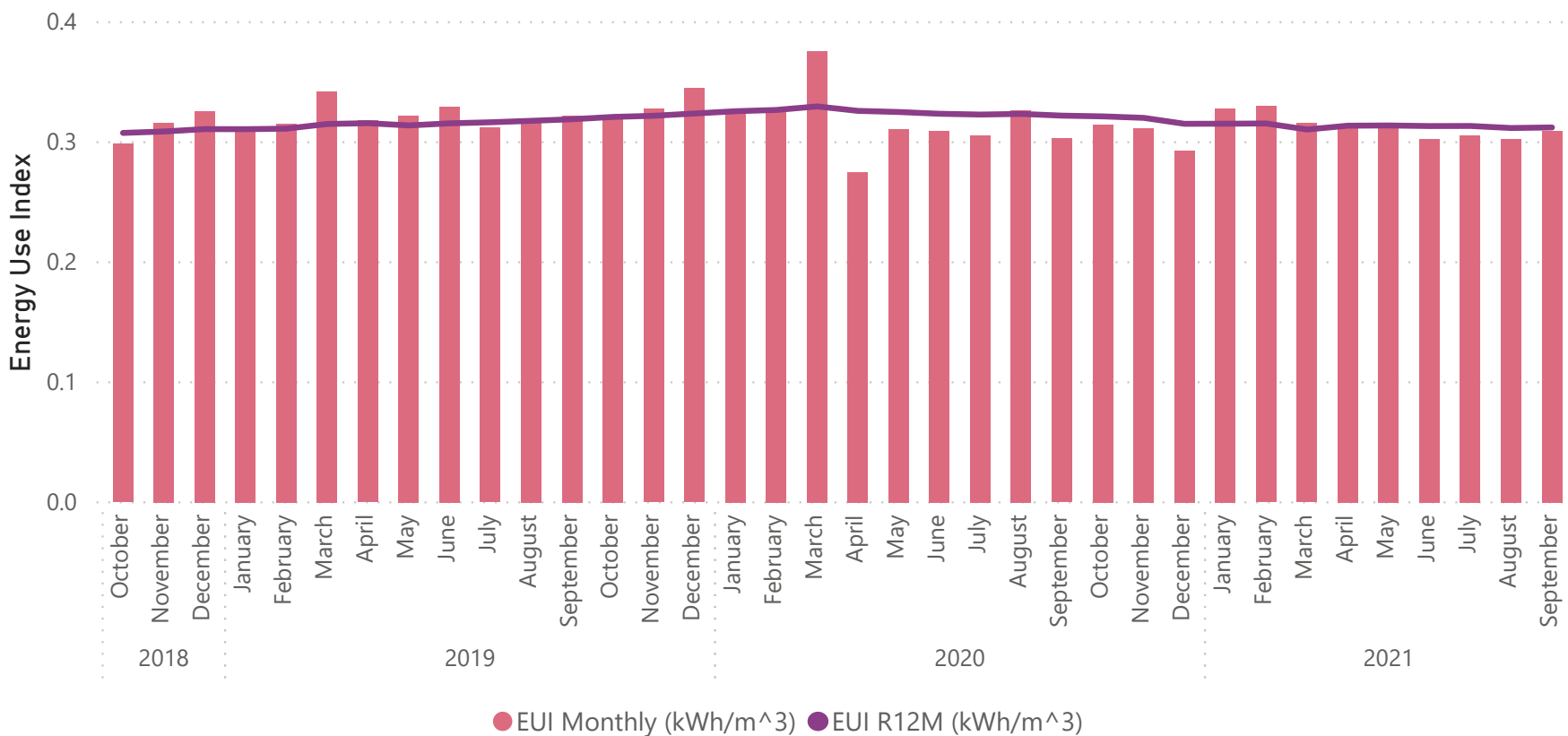


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

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

Whakatane District Council

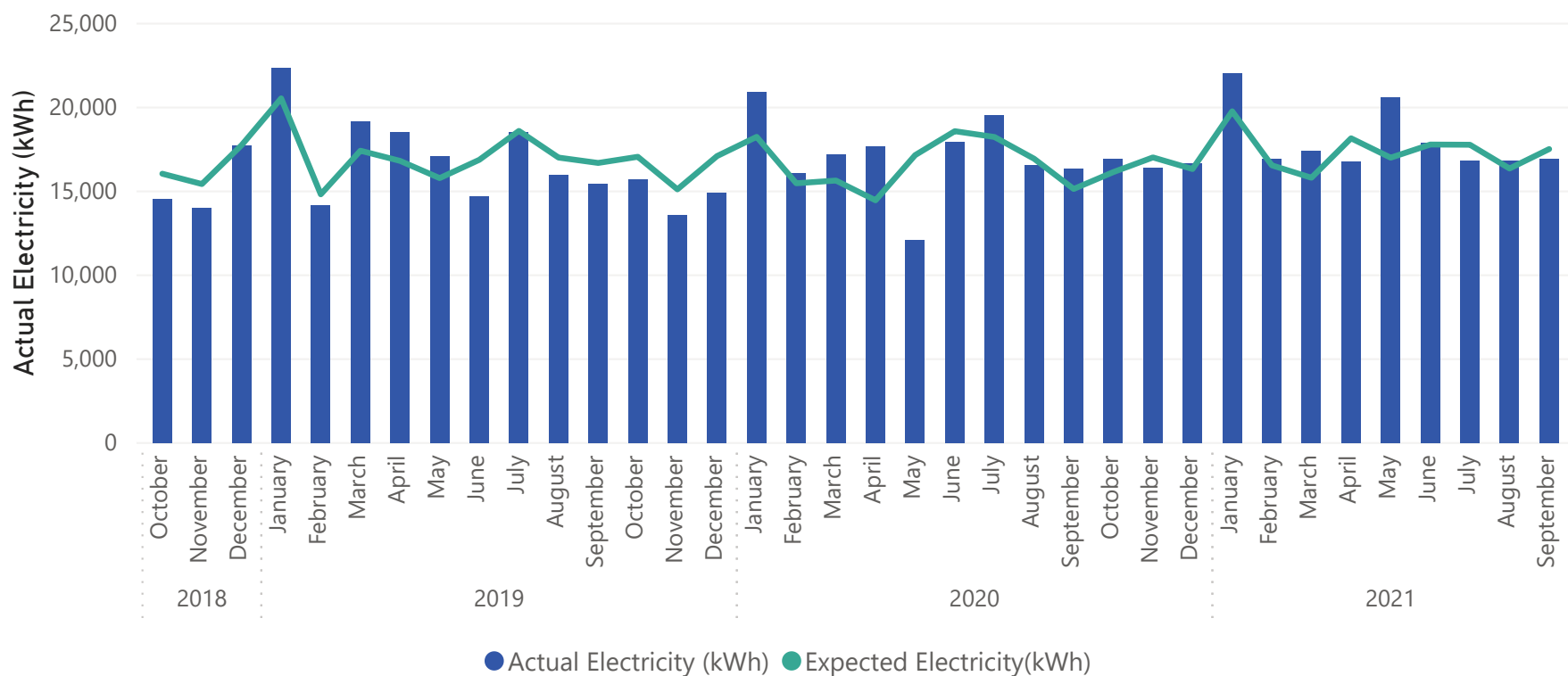
Ohope Oxidation Ponds

<p>\$103</p> <p>Monthly Energy Cost Savings</p>	<p>574</p> <p>Elec. Savings (kWh/mo)</p>	<p>3%</p> <p>Elec. Savings (%)</p>	<p>-6,012</p> <p>R12M Electricity Savings (kWh/yr)</p>	<p>74</p> <p>CO2e Savings (kg/mo)</p>
<p>-\$1,061</p> <p>R12M Energy Cost Savings</p>				<p>-774</p> <p>R12M CO2e Savings (kg/yr)</p>

Comments:

Electricity use in September 2021 was similar to September 2020, however, savings have been achieved this month since effluent volumes were higher. With the exceptions of January and May, monthly electricity use has been relatively constant.

Ohope Oxidation Ponds Electricity Use Compared to Baseline (kWh)

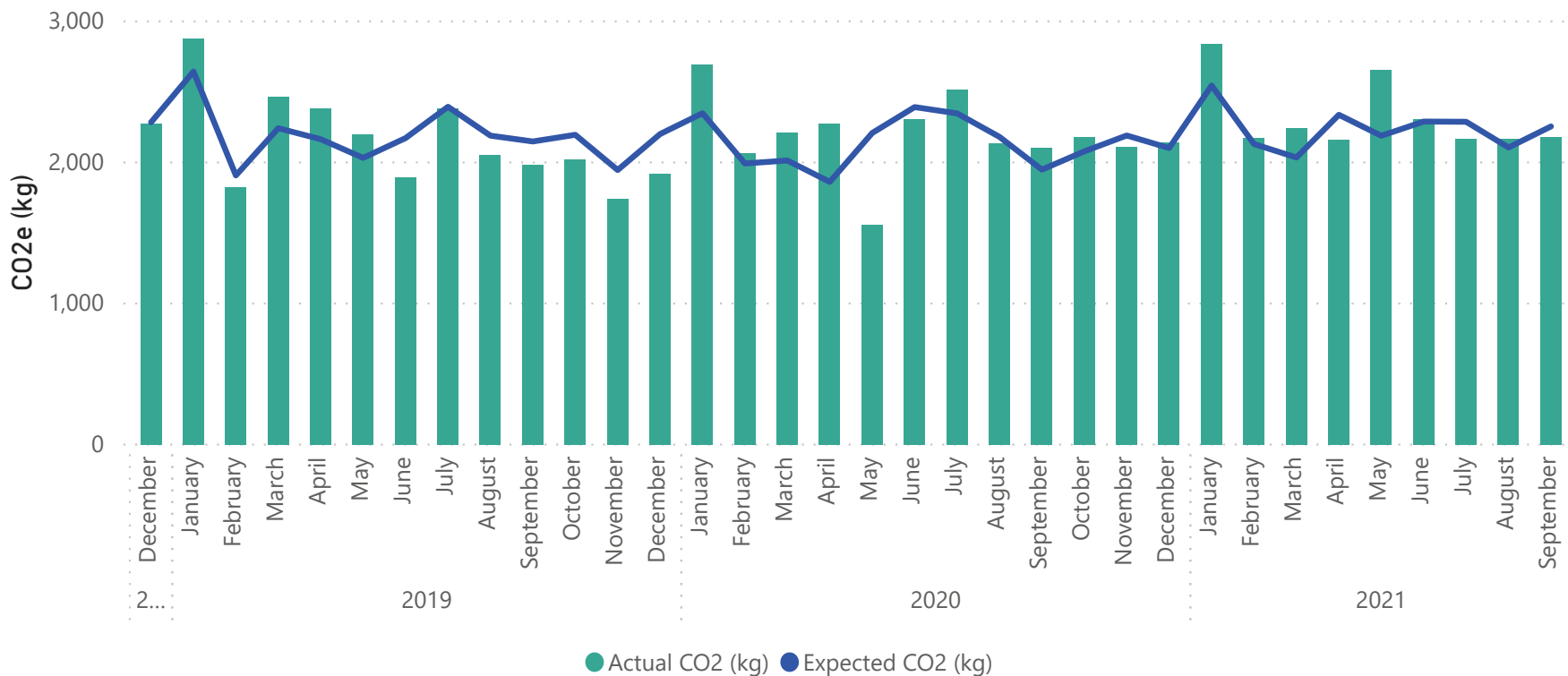


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

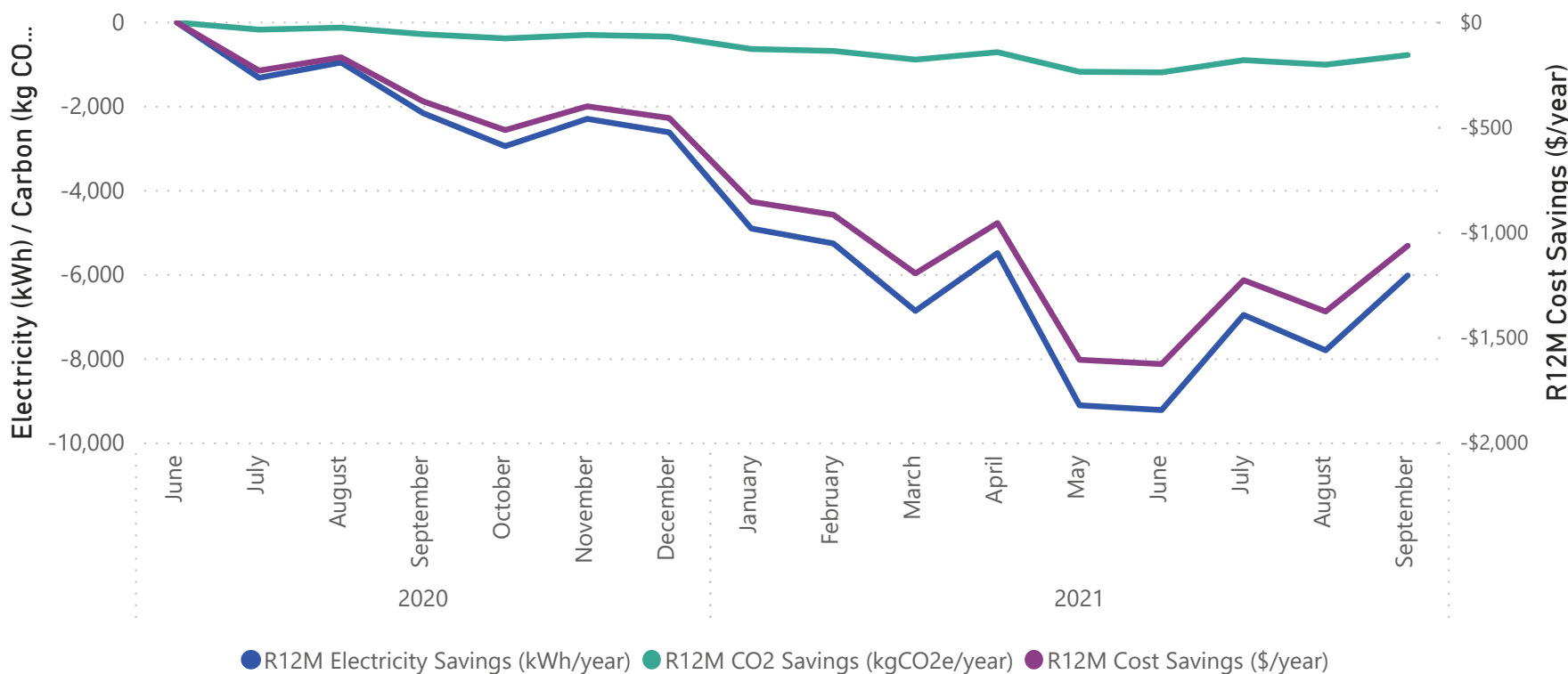
Whakatane District Council

Ohope Oxidation Ponds

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



Ohope Oxidation Ponds Cumulative Rolling 12 Month Savings

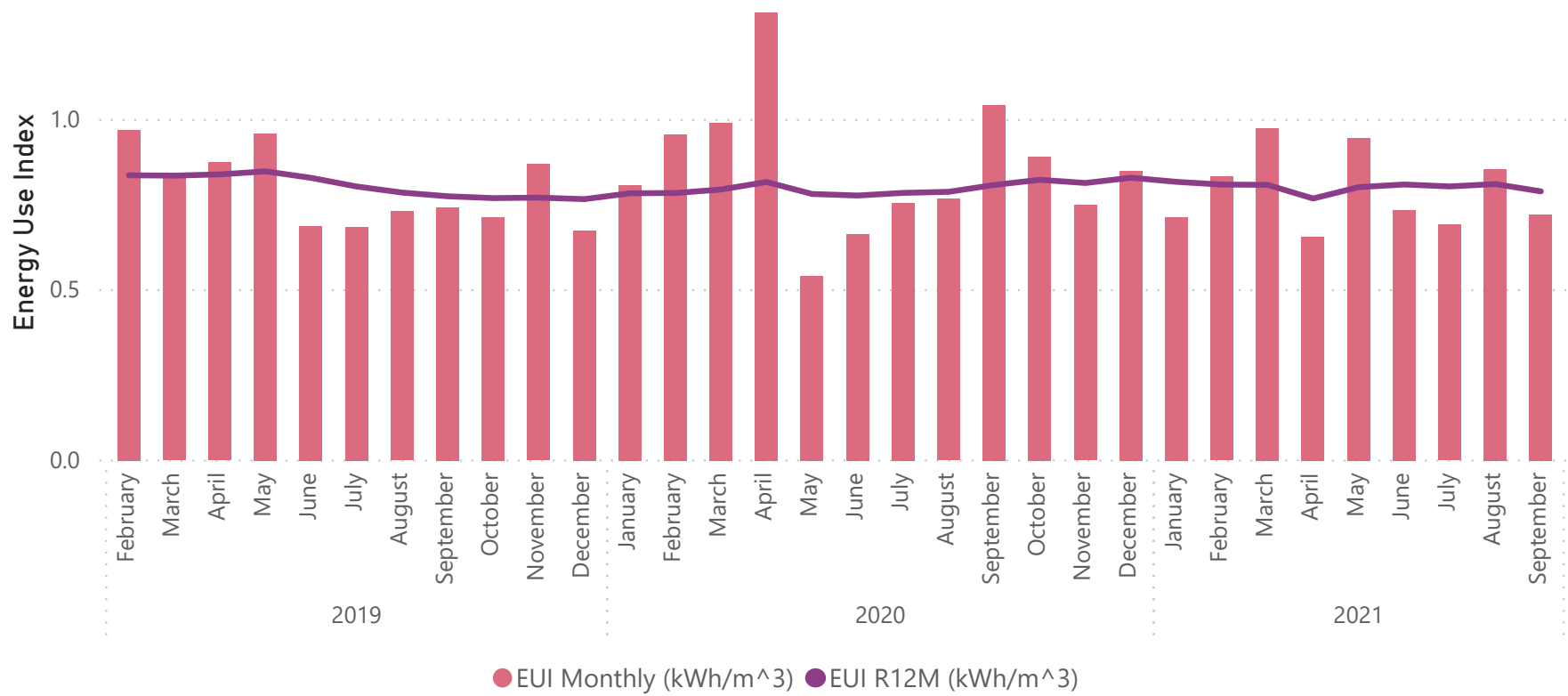


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

Whakatane District Council

Ohope Oxidation Ponds

Ohope Oxidation Ponds 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

Whakatane District Council

Whakatane Oxidation Ponds

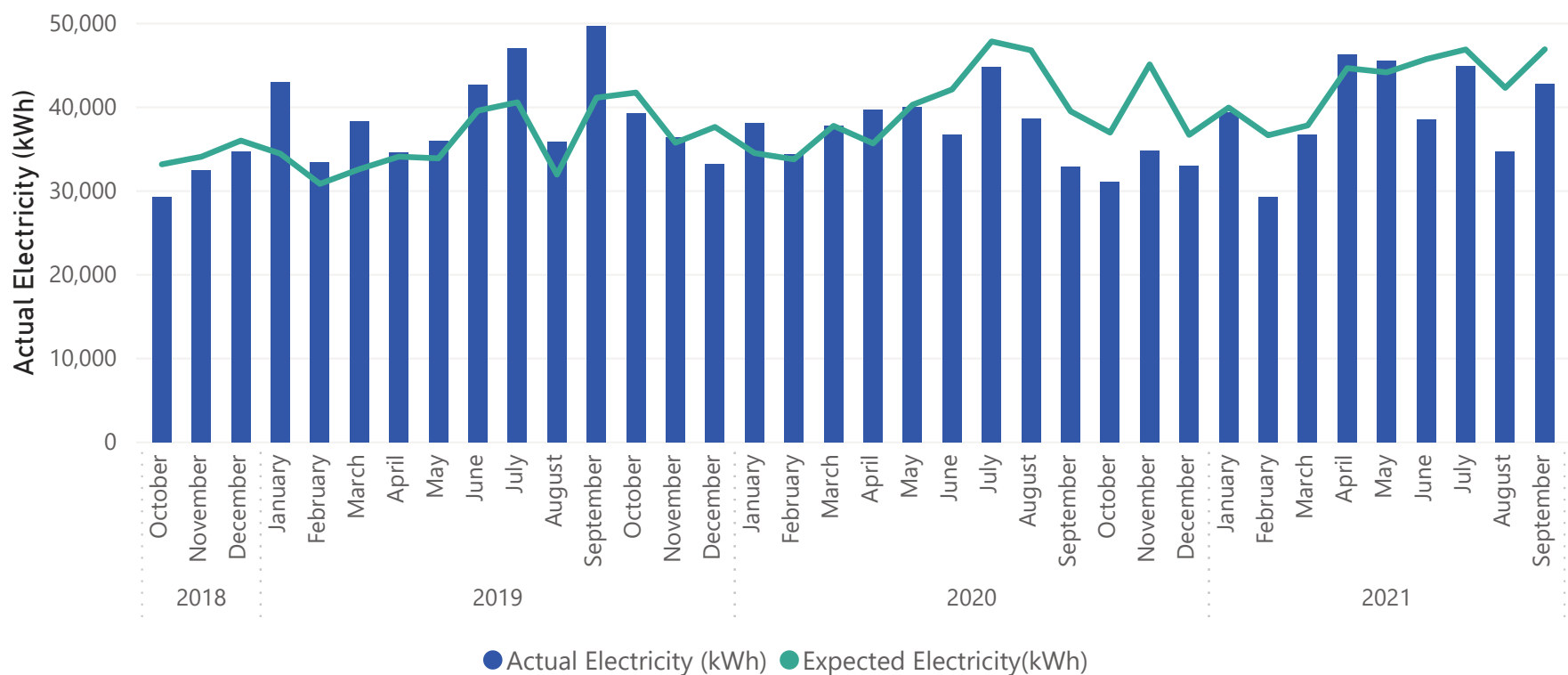
\$586 Monthly Energy Cost Savings	4,119 Elec. Savings (kWh/mo)	9% Elec. Savings (%)	46,874 R12M Electricity Savings (kWh/yr)	530 CO2e Savings (kg/mo)
\$6,449 R12M Energy Cost Savings				6,033 R12M CO2e Savings (kg/yr)

Comments:

The Whakatane Oxidation Ponds have two ICPs, the aerators are set up as a time of use (TOU) account (supplied by Mercury), and the pumps are non-TOU (supplied by Genesis).

In September 2021, the oxidation ponds used 9% less electricity compared to baseline. Rolling 12 month EUI has been steadily decreasing, which is good.

Whakatane Oxidation Ponds Electricity Use Compared to Baseline (kWh)

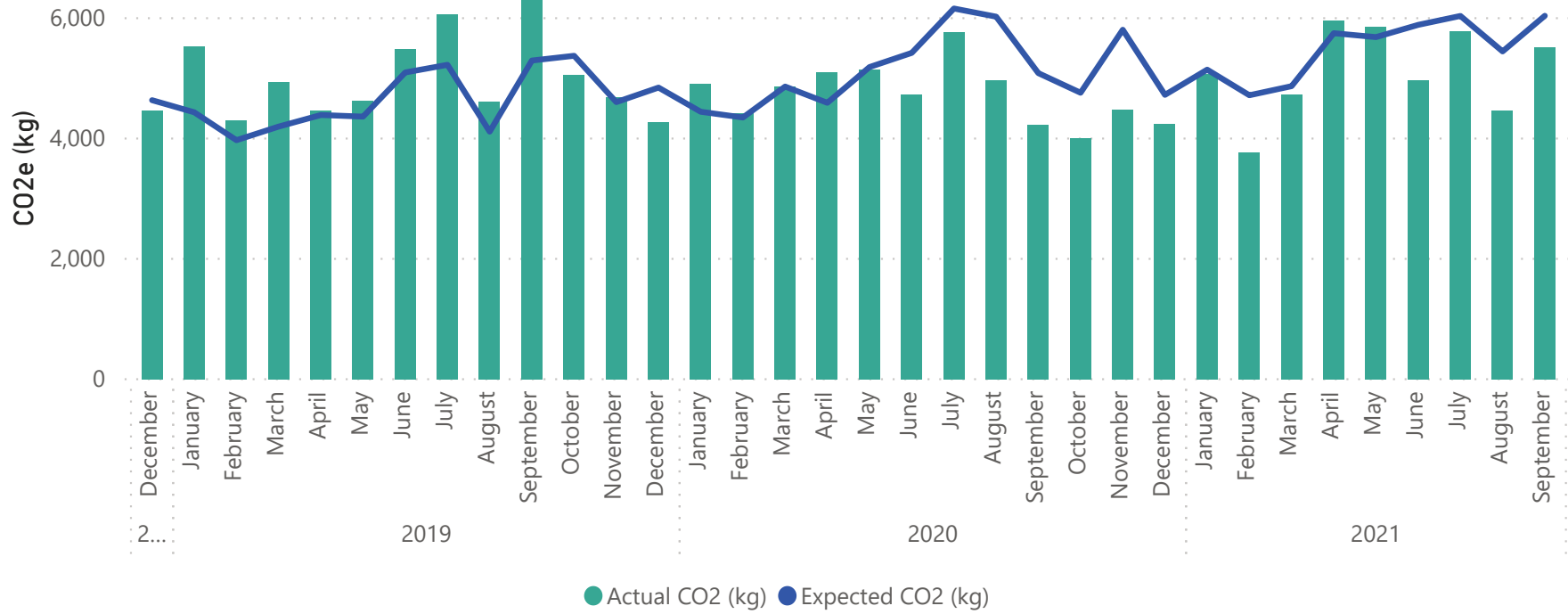


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

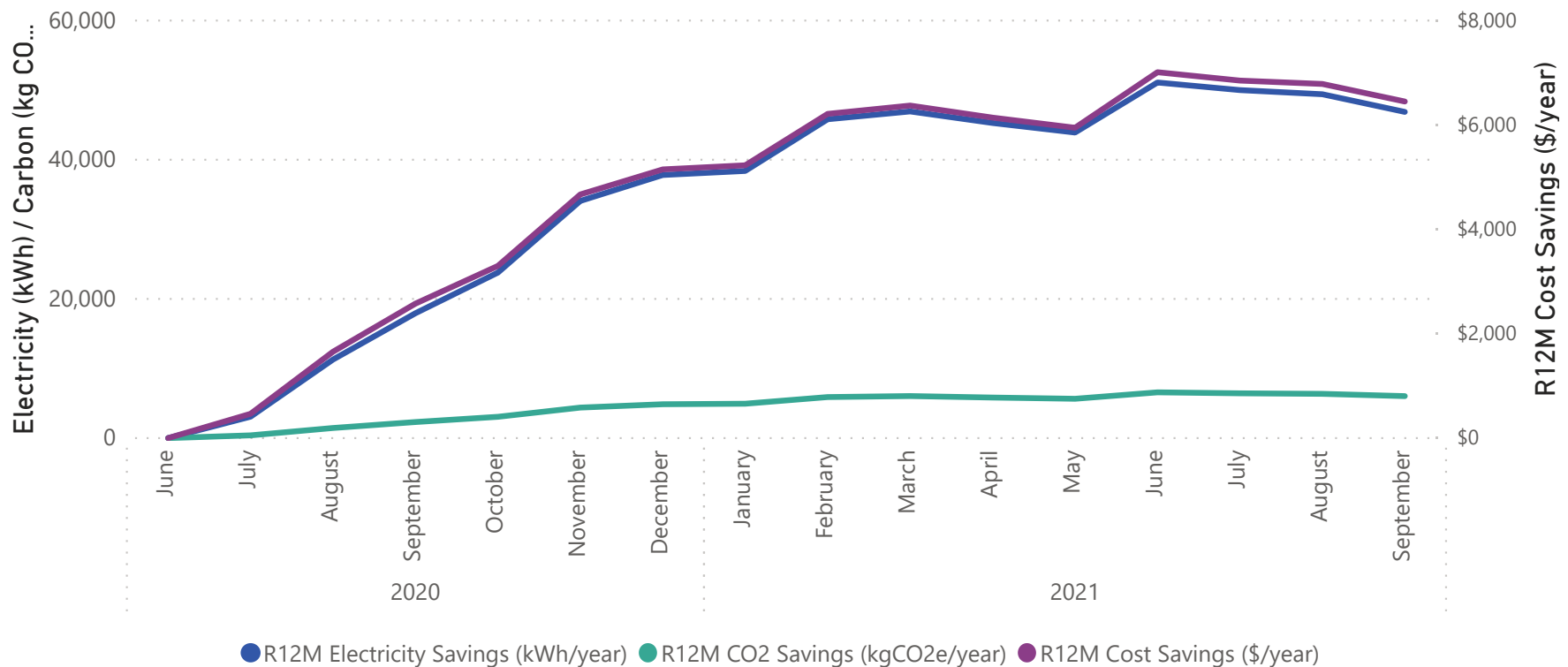
Whakatane District Council

Whakatane Oxidation Ponds

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



Whakatane Oxidation Ponds Cumulative Rolling 12 Month Savings

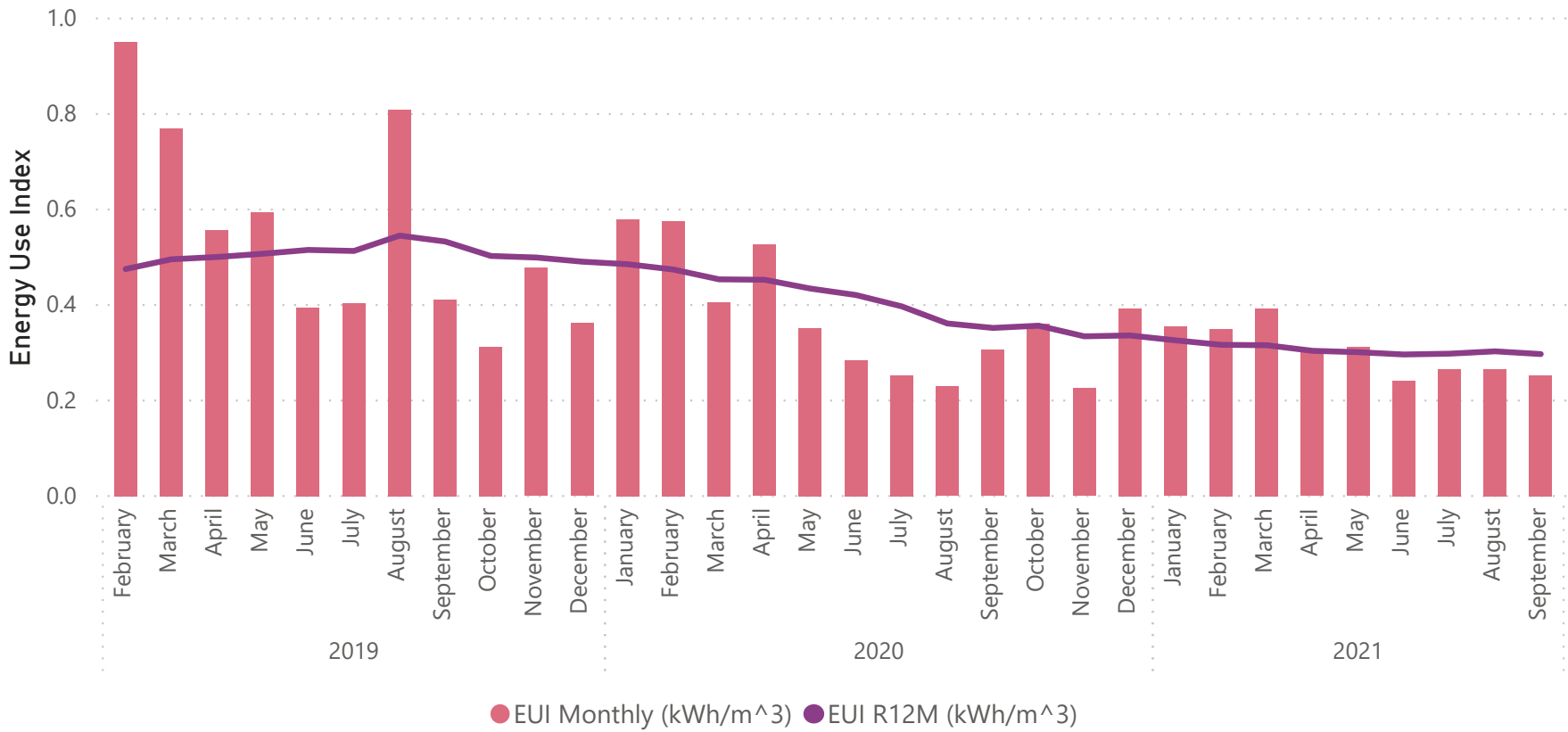


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

Whakatane District Council

Whakatane Oxidation Ponds

Whakatane Oxidation Ponds 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

Whakatane District Council

McAlister Street Pump Station

\$1,490

Monthly Energy Cost (\$)

6,429

Monthly Energy Use (kWh)

\$14,808

R12M Energy Cost (\$/yr)

52,827

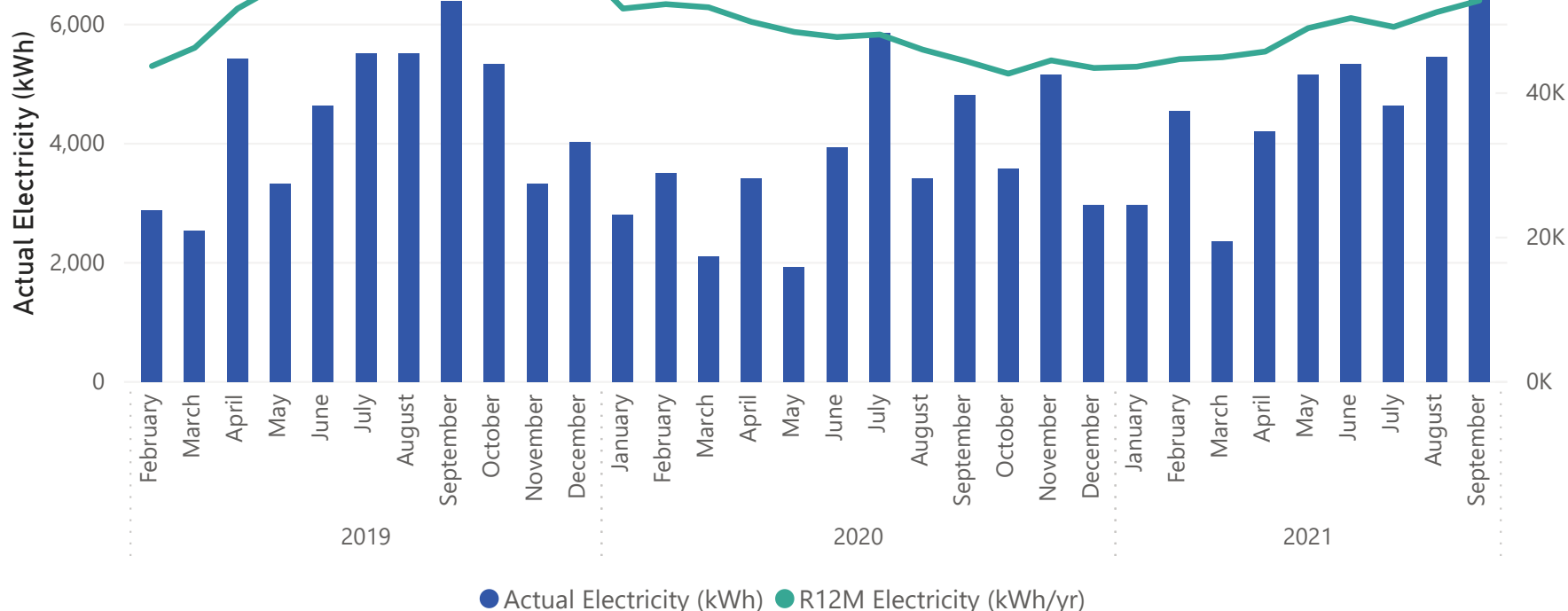
R12M Energy Use (kWh/yr)

Comments:

McAlister Street Pump Station was added to monitoring in August 2021. No flow meter is available for this pump station, so only electricity use and cost have been included in monitoring.

McAlister Street Pump Station is on a NHH account, some months' usage may be estimated by the retailer and captured by a subsequent meter reading. Manual readings at the end of each month would help with the accuracy of monitoring reports.

McAlister St Pumps Monthly Electricity Use Compared to R12M

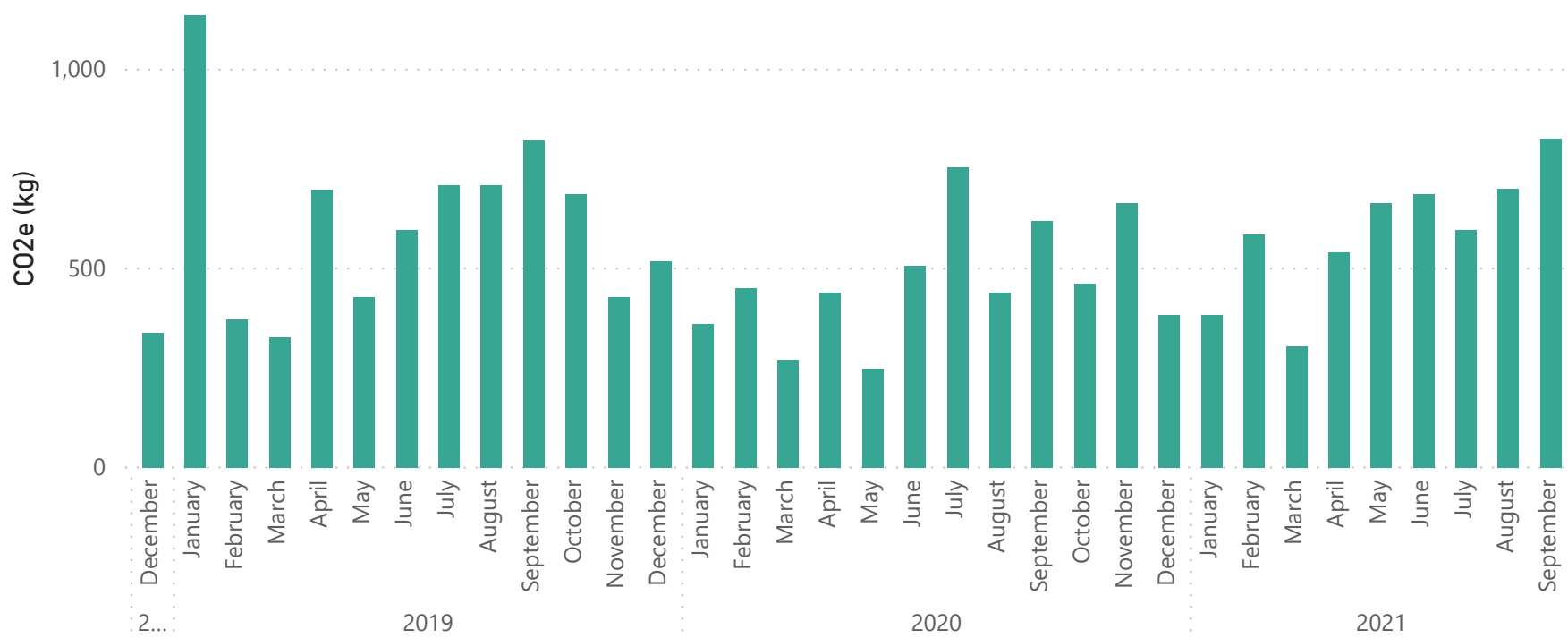


Note: New Zealand was in Covid-19 alert levels 3 and 4 from 23 March until 12 May, 2020. Energy use may have been impacted during this time

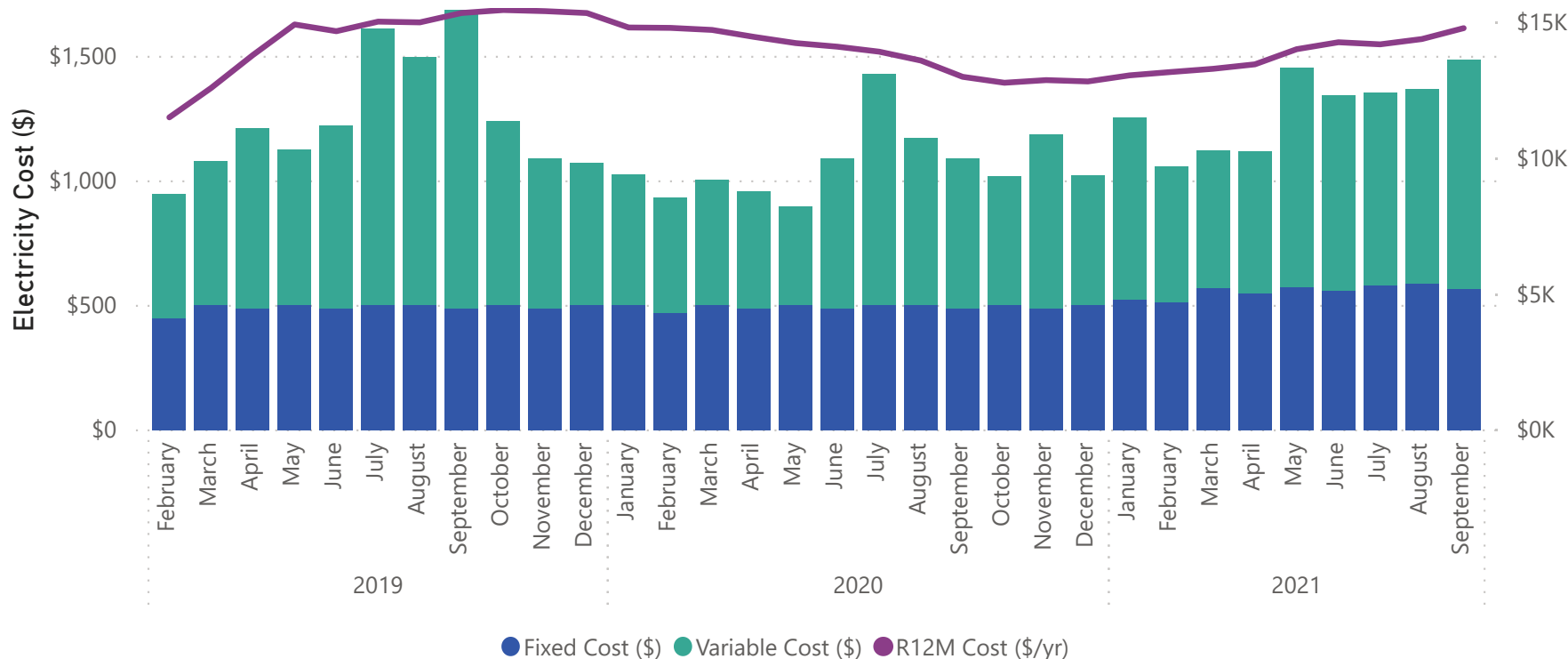
Whakatane District Council

McAlister Street Pump Station

McAlister St Pumps Carbon Emissions (kgCO2e)



McAlister St Pumps Monthly and R12M Cost



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

Whakatane District Council

Rose Gardens Pump Station

-\$168 Monthly Energy Cost (\$)	-2,249 Monthly Energy Use (kWh)
\$8,066 R12M Energy Cost (\$/yr)	37,363 R12M Energy Use (kWh/yr)

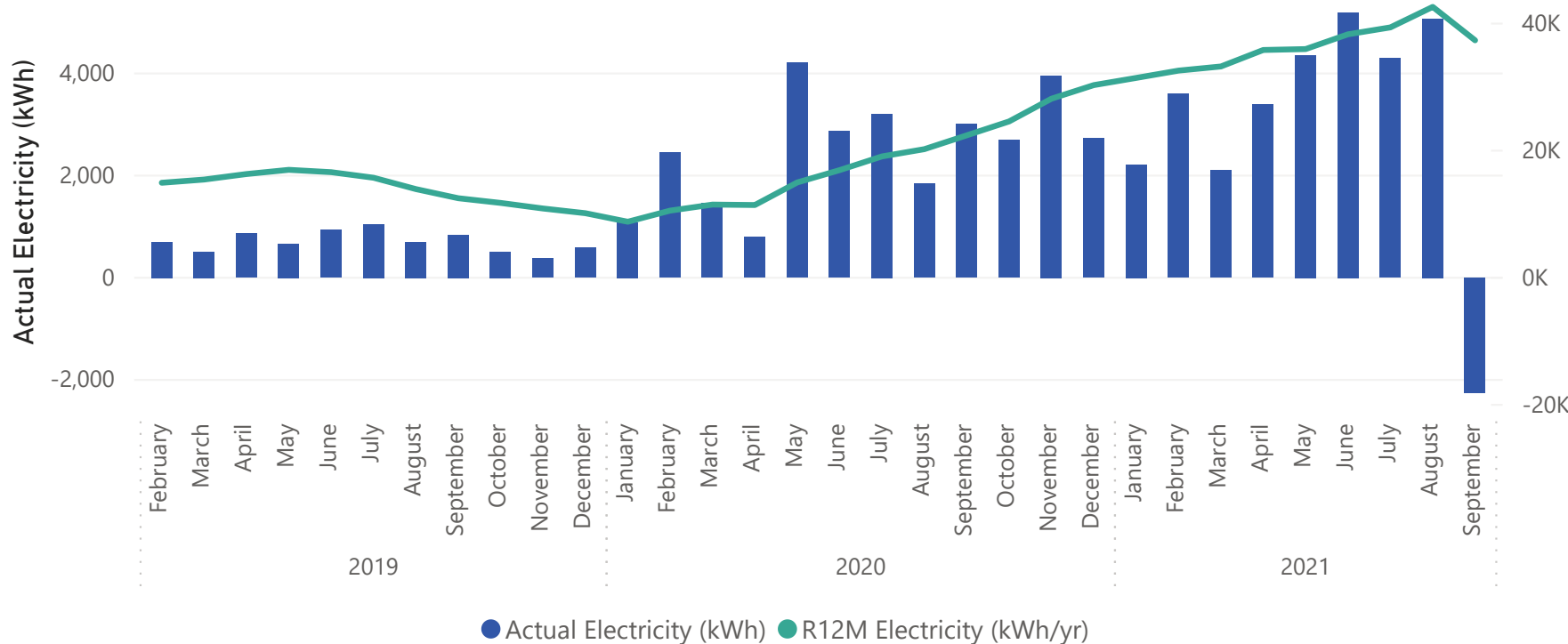
Comments:

Rose Gardens Pump Station was added to monitoring in August 2021. No flow meter is available for this pump station, so only electricity use and cost have been included in monitoring.

The Rose Gardens Pump Station is on a NHH account, some months' usage may be estimated by the retailer and captured by a subsequent meter reading.

The meter reading for September 2021 was an actual reading; previous month's readings were over estimated and a credit has been issued for the account. Monthly manual readings of the Rose Garden's electricity meter could be taken to improve accuracy for electricity monitoring.

Rose Gardens Pumps Monthly Electricity Use Compared to R12M



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

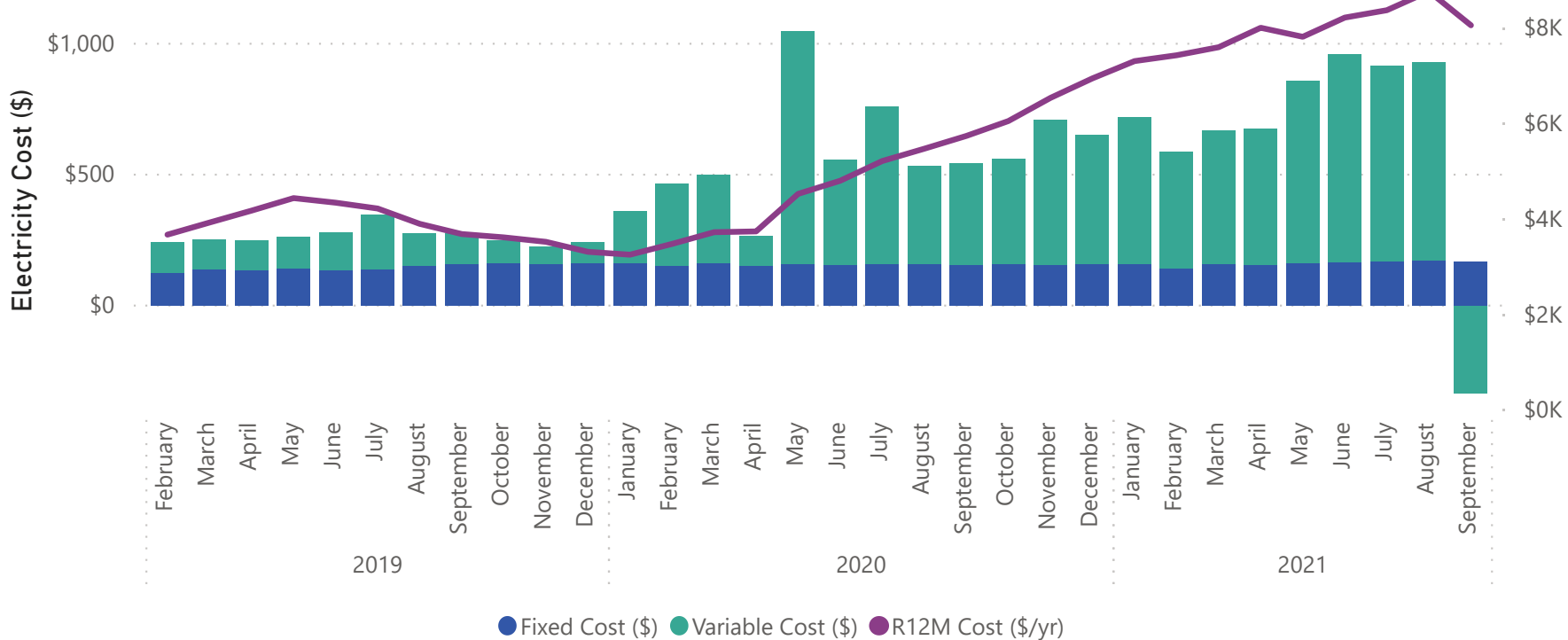
Whakatane District Council

Rose Gardens Pump Station

Rose Gardens Pumps Carbon Emissions (kgCO2e)



Rose Gardens Pumps Monthly and R12M Cost



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