

Greenhouse gas emissions Dashboard – September 2021 (based on July 2021 data)



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL



SOUTH WAIRARAPA
DISTRICT COUNCIL
Kia Reretahi Tātau



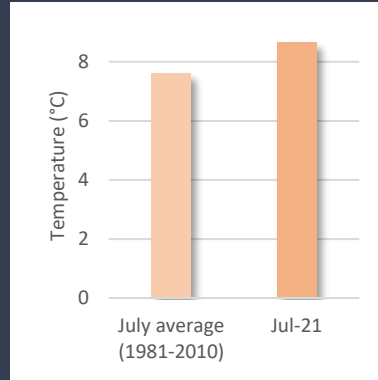
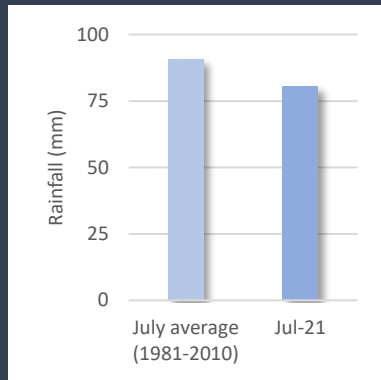
Climate data

Earth's average temperature in July 2021 compare to 1951-1980 data: **+0.92°C**



Masterton, July 2021 (main weather station in the Wairarapa):

- Average rainfall compare to 1981-2010: **-10.3mm**
- Average temperature compare to 1981-2010 : **+1.1°C**



Did you know?

Weather and climate are two different things. Weather is what conditions of the atmosphere are over a short period of time, and climate is how the atmosphere "behaves" over relatively long periods of time.



Electric Vehicles (EV)

- EV fleet in the Wairarapa in July 2021: 277 ~ +9.1%
- EV fleet in the Wellington region in July 2021: 4,411 ~ +6.4%
- EV fleet in New Zealand in July 2021: 29,591 ~ +6.9%

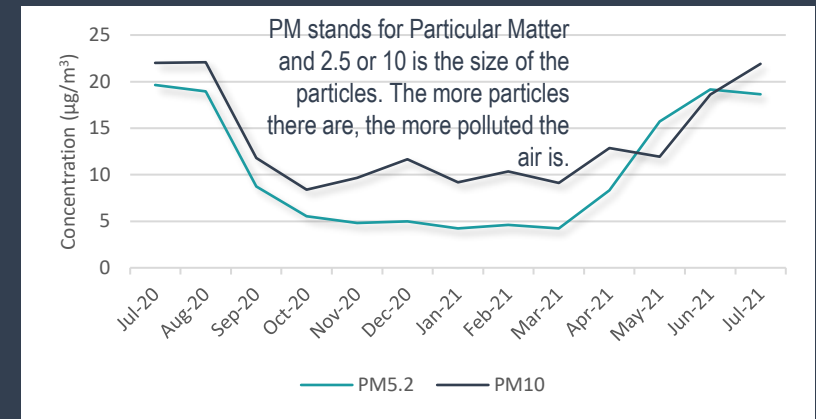
Compare to previous month



Air quality

Masterton, July 2021 (main air quality station in the Wairarapa):

- PM2.5: 18.64 $\mu\text{g}/\text{m}^3$ – **11 days** exceed WHO guidelines ($>25 \mu\text{g}/\text{m}^3$)
- PM10: 21.91 $\mu\text{g}/\text{m}^3$ – **1 day** exceeds WHO guidelines ($>50 \mu\text{g}/\text{m}^3$)



Electricity

Power consumption (South Wairarapa and Carterton Districts) in July 2021:

- Streetlight: 48,000 kWh \approx 73 houses power consumption⁴
- Water supply: 76,000 kWh \approx 117 houses
- Wastewater: 66,000 kWh \approx 101 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in July 2021:

- 20.7 tCO₂e \approx 89 return flights between Wellington and Auckland

