

Greenhouse gas emissions Dashboard – August 2021 (based on June 2021 data)



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL



SOUTH WAIRARAPA
DISTRICT COUNCIL
Kia Reretahi Tātau



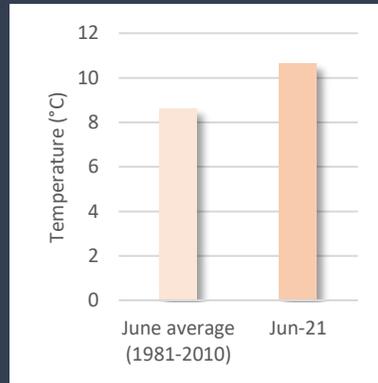
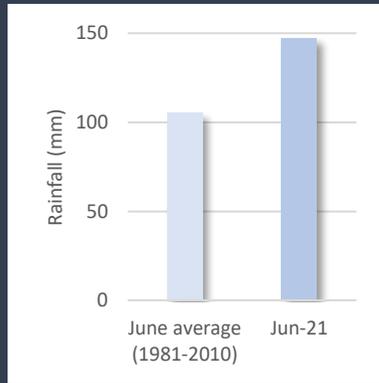
Climate data

Earth's average temperature in June 2021 compare to 1951-1980 data: **+0.85°C**



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

- Average rainfall compare to 1981-2010: **+42.1mm**
- Average temperature compare to 1981-2010 : **+2.0°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 June 2021: 254 ~ +0.4%
- EV fleet in the Wellington region in June 2021: 4,147 ~ +2.2%
- EV fleet in New Zealand in June 2021: 27,694 ~ +1.9%

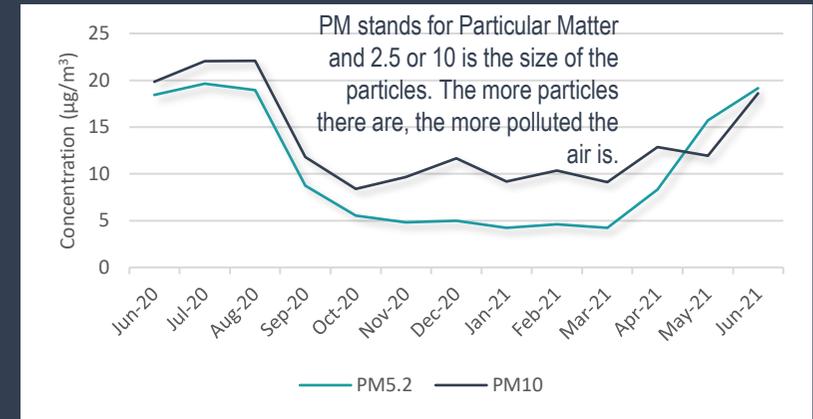
Compare to previous month



Air quality

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

- PM2.5: 19.17 $\mu\text{g}/\text{m}^3$ – **7 days** exceed WHO guidelines ($>25 \mu\text{g}/\text{m}^3$)
- PM10: 18.62 $\mu\text{g}/\text{m}^3$ – 0 day exceeds WHO guidelines ($>50 \mu\text{g}/\text{m}^3$)



Electricity

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

- Streetlight: 47,000 kWh \approx 73 houses power consumption⁴
- Water supply: 65,000 kWh \approx 100 houses
- Wastewater: 56,000 kWh \approx 87 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in June 2021:

- 18.5 tCO₂e \approx 79 return flights between Wellington and Auckland

