

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



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
 DISTRICT COUNCIL



SOUTH WAIRARAPA
 DISTRICT COUNCIL
 Kia Reretahi Tātau



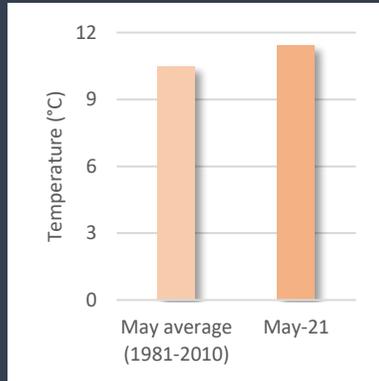
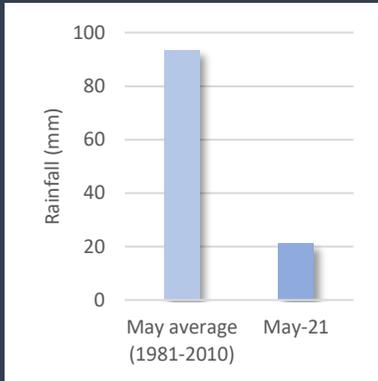
Climate data

Earth's average temperature in May 2021 compare to 1951-1980 data: **+0.8°C**



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

- Average rainfall compare to 1981-2010: **-72.6mm**
- Average temperature compare to 1981-2010 : **+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 May 2021: 253 ~ +0.4%
- EV fleet in the Wellington region in May 2021: 4,033 ~ +3.0%
- EV fleet in New Zealand in May 2021: 27,192 ~ +2.7%

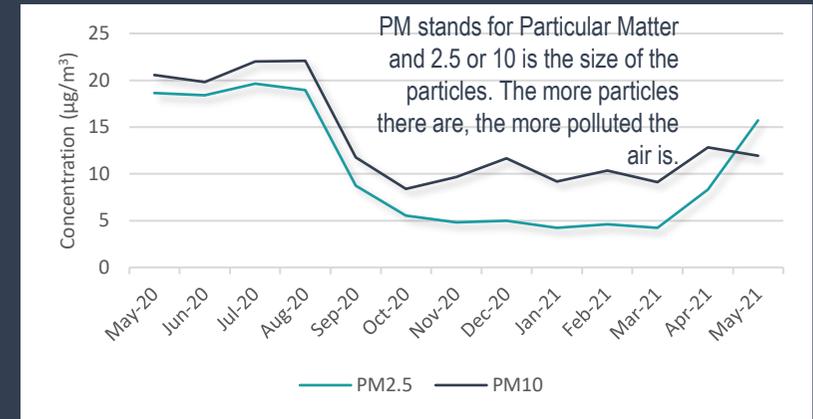
Compare to previous month



Air quality

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

- PM2.5: 8.3 µg/m³ – **2 days** exceed WHO guidelines (>25 µg/m³)
- PM10: 13.0 µg/m³ – 0 day exceeds WHO guidelines (>50 µg/m³)



Electricity

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

- Streetlight: 43,000 kWh ≈ 66 houses power consumption⁴
- Water supply: 51,000 kWh ≈ 78 houses
- Wastewater: 58,000 kWh ≈ 90 houses

One house of 4 people consume about 650 kWh per month

Greenhouse gas emissions from electricity in May 2021:

- 16.7 tCO₂e ≈ 72 return flights between Wellington and Auckland

