

Greenhouse gas emissions Dashboard – August 2021



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL



SOUTH WAIRARAPA
DISTRICT COUNCIL
Kia Reretahi Tātau



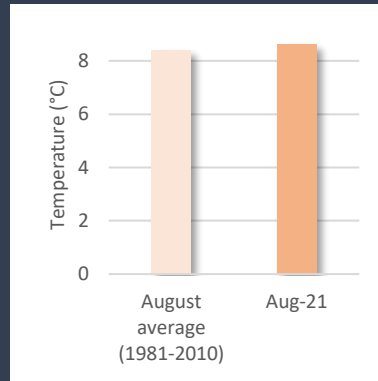
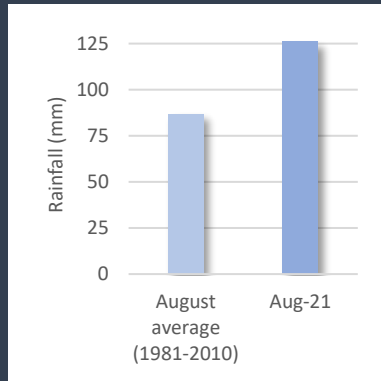
Climate data

Earth's average temperature in August 2021 compare to 1951-1980 data: **+0.81°C**



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

- Average rainfall compare to 1981-2010: **+39.3mm**
- Average temperature compare to 1981-2010 : **+0.2°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 August 2021: 288 ~ +4.0%
- EV fleet in the Wellington region in August 2021: 4,517 ~ +2.3%
- EV fleet in New Zealand in August 2021: 30,237 ~ +2.1%

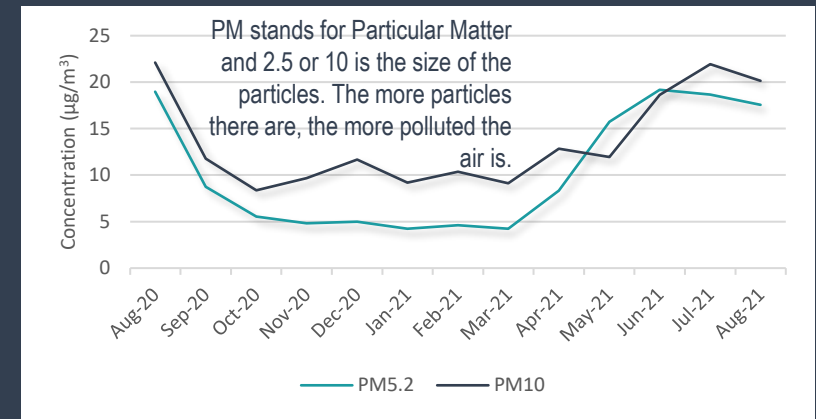
Compare to previous month



Air quality

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

- PM2.5: 17.54 $\mu\text{g}/\text{m}^3$ – 5 days exceed WHO guidelines ($>25 \mu\text{g}/\text{m}^3$)
- PM10: 20.14 $\mu\text{g}/\text{m}^3$ – 0 day exceeds WHO guidelines ($>50 \mu\text{g}/\text{m}^3$)



Electricity

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

- Streetlight: 45,000 kWh \approx 70 houses power consumption⁴
- Water supply: 76,000 kWh \approx 117 houses
- Wastewater: 70,000 kWh \approx 108 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in August 2021:

- 21.1 tCO₂e \approx 90 return flights between Wellington and Auckland

