

Greenhouse gas emissions Dashboard – December 2021 (based on October 2021 data)



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL



SOUTH WAIRARAPA
DISTRICT COUNCIL
Kia Reretahi Tātau



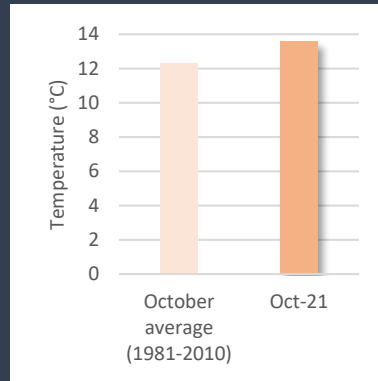
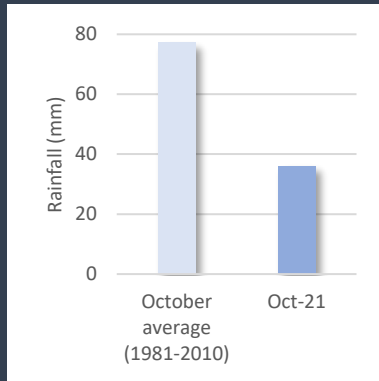
Climate data

Earth's average temperature in October 2021 compare to 1951-1980 data: **+0.99°C**



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

- Average rainfall compare to 1981-2010: **-41.2mm**
- Average temperature compare to 1981-2010 : **+1.3°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 October 2021: 322 ~ +2.9%
- EV fleet in the Wellington region in October 2021: 4,948 ~ +2.9%
- EV fleet in New Zealand in October 2021: 33,541 ~ +3.2%

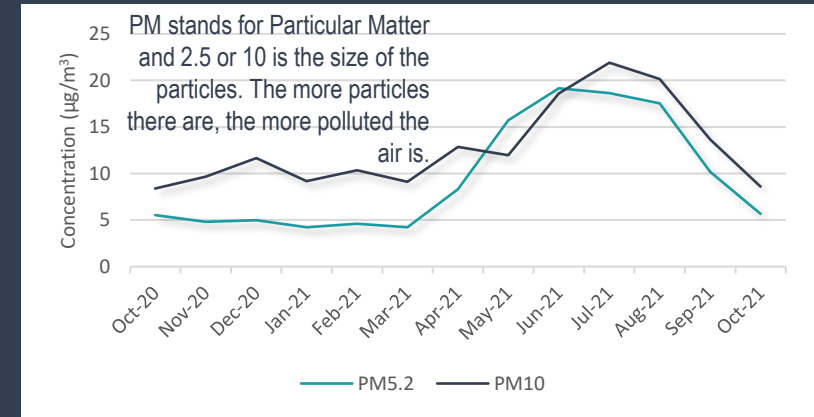
Compare to previous month



Air quality

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

- PM2.5: 5.65 $\mu\text{g}/\text{m}^3$ – 0 day exceed WHO guidelines ($>25 \mu\text{g}/\text{m}^3$)
- PM10: 8.60 $\mu\text{g}/\text{m}^3$ – 0 day exceeds WHO guidelines ($>50 \mu\text{g}/\text{m}^3$)



Electricity

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

- Streetlight: 37,000 kWh \approx 57 houses power consumption⁴
- Water supply: 98,000 kWh \approx 150 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 October 2021:

- 22.5 tCO₂e \approx 96 return flights between Wellington and Auckland

