

Greenhouse gas emissions Dashboard – December 2021



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL



SOUTH WAIRARAPA
DISTRICT COUNCIL
Kia Reretahi Tātau



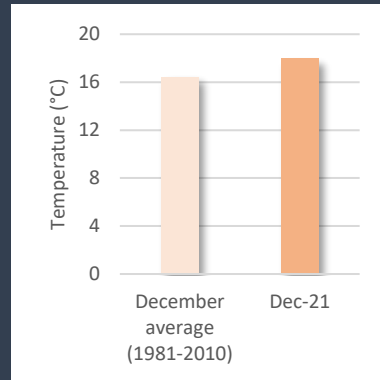
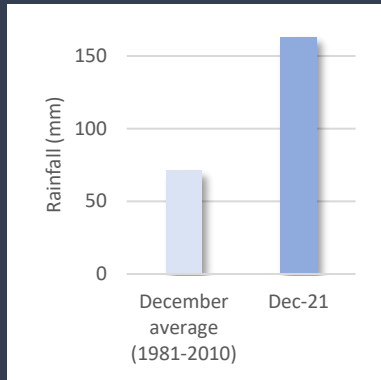
Climate data

Earth's average temperature in December 2021 compare to 1951-1980 data: *missing data*



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

- Average rainfall compare to 1981-2010: **+92.1mm**
- Average temperature compare to 1981-2010 : **+1.6°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 December 2021: 358 ~ +4.4%
- EV fleet in the Wellington region in December 2021: 5,408 ~ +2.7%
- EV fleet in New Zealand in December 2021: 36,846 ~ +4.5%

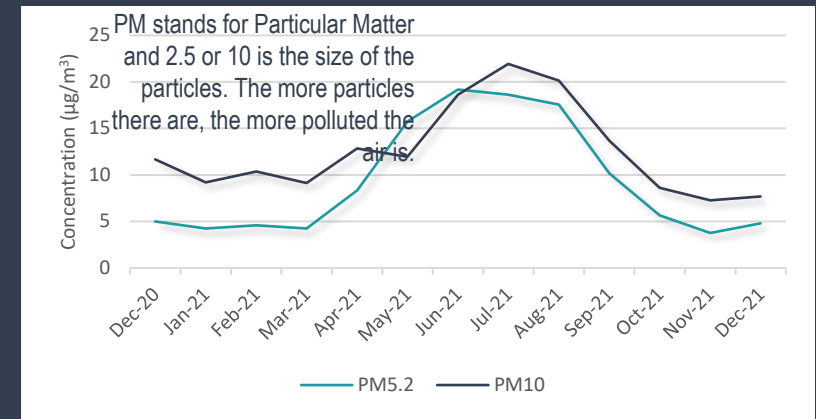
Compare to previous month



Air quality

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

- PM2.5: 4.79 $\mu\text{g}/\text{m}^3$ – 0 day exceed WHO guidelines ($>25 \mu\text{g}/\text{m}^3$)
- PM10: 7.68 $\mu\text{g}/\text{m}^3$ – 0 day exceeds WHO guidelines ($>50 \mu\text{g}/\text{m}^3$)



Electricity

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

- Streetlight: 23,000 kWh \approx 35 houses power consumption⁴
- Water supply: 94,000 kWh \approx 144 houses
- Wastewater: 75,000 kWh \approx 115 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in December 2021:

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

