

Greenhouse gas emissions Dashboard – March 2022



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL



SOUTH WAIRARAPA
DISTRICT COUNCIL
Kia Reretahi Tātau



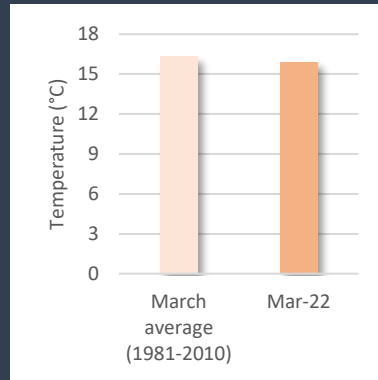
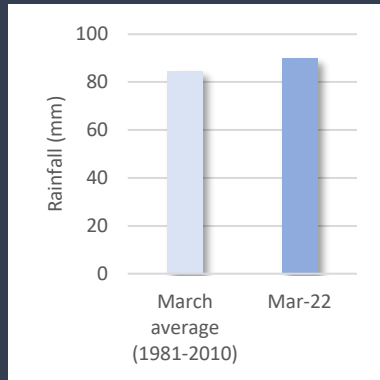
Climate data

Earth's average temperature in March 2022 compare to 1951-1980 data: **+1.04°C**



Masterton, March 2022 (main weather station in the Wairarapa):

- Average rainfall compare to 1981-2010: **+5.5mm**
- Average temperature compare to 1981-2010 : **-0.4°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 March 2022 : 400 ~ +4.7%
- EV fleet in the Wellington region in March 2022 : 6,242 ~ +6.3%
- EV fleet in New Zealand in March 2022 : 42,177 ~ +7.4%

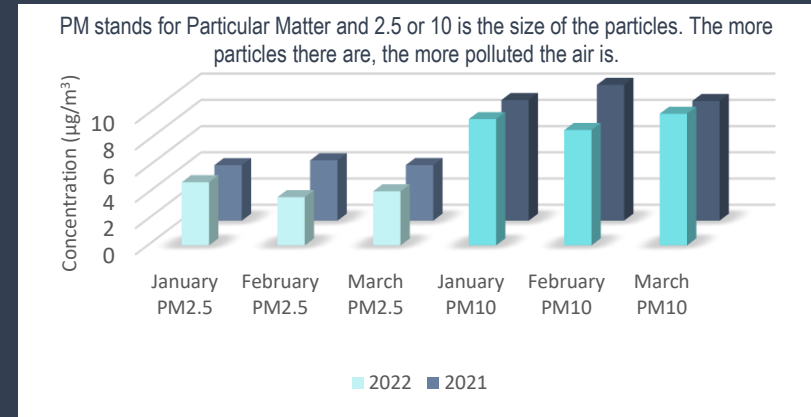
Compare to previous month



Air quality

Masterton, March 2022 (main air quality station in the Wairarapa):

- PM2.5: 4.12 µg/m³ – 0 day exceed WHO guidelines (>25 µg/m³)
- PM10: 10.03 µg/m³ – 0 day exceeds WHO guidelines (>50 µg/m³)



Electricity

Power consumption (South Wairarapa and Carterton Districts) in March 2022 :

- Streetlight: 21,000 kWh ≈ 33 houses power consumption⁴
- Water supply: 82,000 kWh ≈ 126 houses
- Wastewater: 63,000 kWh ≈ 96 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in March 2022 :

- 18.2 tCO₂e ≈ 78 return flights between Wellington and Auckland

