

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



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

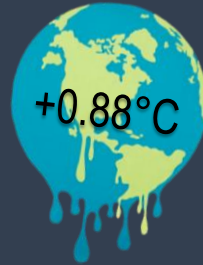


SOUTH WAIRARAPA
DISTRICT COUNCIL
Kia Rereahi Tātau



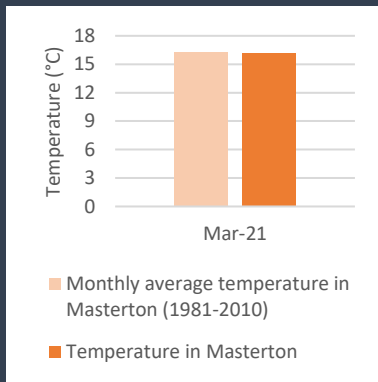
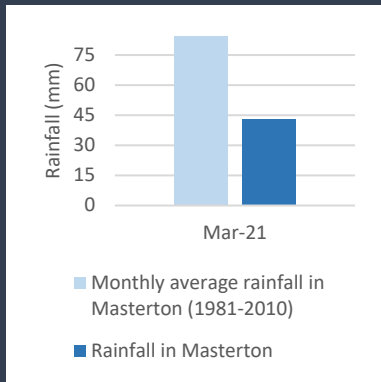
Climate data

- Earth's average temperature¹: +0.88°C



Masterton (main weather station in the Wairarapa):

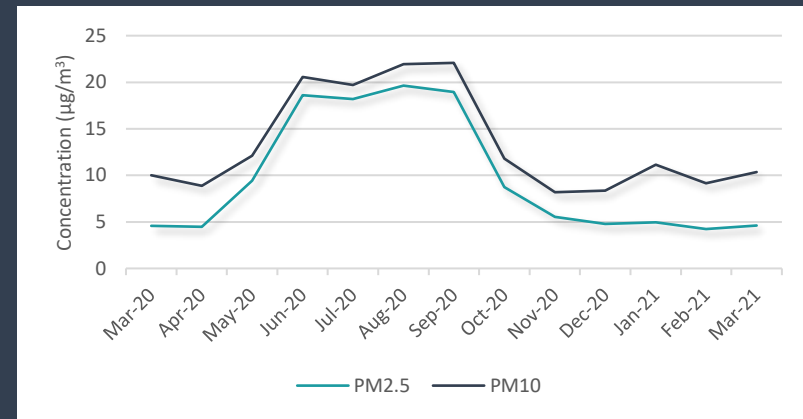
- Average rainfall²: -41.5 mm
- Average temperature²: -0.1°C



Air quality

Masterton (main air quality station in the Wairarapa):

- PM2.5³: 4.6 µg/m³ – 0 day exceeds daily average (>25 µg/m³)
- PM10³: 10.4 µg/m³ – 0 day exceeds daily average (>50 µg/m³)



Electric Vehicles (EV)

- EV fleet in the Wairarapa: 252 ~ +7.7%
- EV fleet in the Wellington region: 3,925 ~ +3.0%
- EV fleet in New Zealand: 26,482 ~ +2.3%



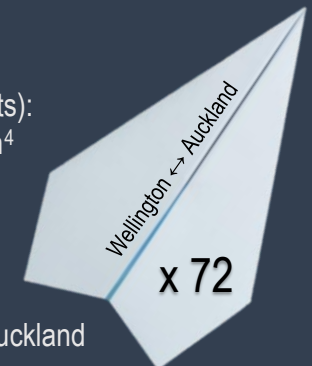
Electricity

Power consumption (South Wairarapa and Carterton Districts):

- Streetlight: 35,000 kWh ≈ 54 houses power consumption⁴
- Water supply: 62,000 kWh ≈ 96 houses
- Wastewater: 56,000 kWh ≈ 87 houses

Greenhouse gas emissions from electricity:

- 16.9 tCO₂e ≈ 72 return flights between Wellington and Auckland



¹: Compare to 1951-1980 data

²: Compare to 1981-2010 data

³: PM stands for Particular Matter and 2.5 or 10 is the size of the particles.

The more particles there are, the more polluted the air is.

⁴: One house of four people consume about 650 kWh per month