

# Greenhouse gas emissions Dashboard – June 2021 (based on April 2021 data)



TE KAUNIHERA-Ā-ROHE O TARATAHI  
**CARTERTON**  
DISTRICT COUNCIL



**SOUTH WAIRARAPA**  
DISTRICT COUNCIL  
Kia Rereahi Tātau



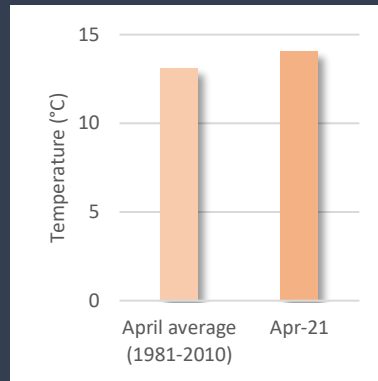
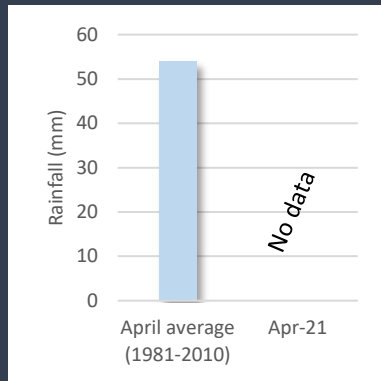
## Climate data

Earth's average temperature compare to 1951-1980 data: **+0.74°C**



Masterton (main weather station in the Wairarapa):

- Average rainfall compare to 1981-2010: no data
- Average temperature compare to 1981-2010 : **+1°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: 252 ~ +7.7%
- EV fleet in the Wellington region: 3,915 ~ +3.1%
- EV fleet in New Zealand: 26,486 ~ +2.3%

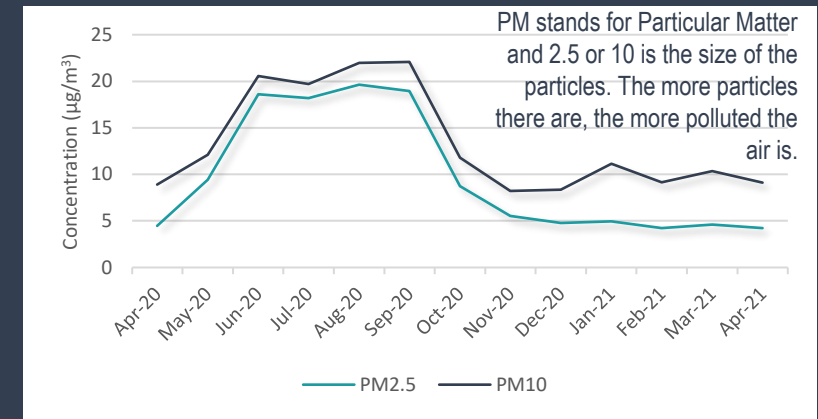
Compare to previous month



## Air quality

Masterton (main air quality station in the Wairarapa):

- PM2.5: 4.3 µg/m<sup>3</sup> – 0 day exceeds WHO guidelines (>25 µg/m<sup>3</sup>)
- PM10: 9.1 µg/m<sup>3</sup> – 0 day exceeds WHO guidelines (>50 µg/m<sup>3</sup>)



## Electricity

Power consumption (South Wairarapa and Carterton Districts):

- Streetlight: 38,000 kWh ≈ 58 houses power consumption<sup>4</sup>
- Water supply: 60,000 kWh ≈ 92 houses
- Wastewater: 56,000 kWh ≈ 87 houses

One house of 4 people consume about 650 kWh per month

Greenhouse gas emissions from electricity:

- 16.9 tCO<sub>2</sub>e ≈ 73 return flights between Wellington and Auckland

