

# Greenhouse gas emissions Dashboard – May 2022



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



**SOUTH WAIRARAPA**  
DISTRICT COUNCIL  
Kia Reretahi Tātau



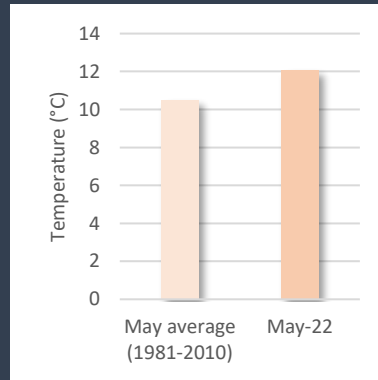
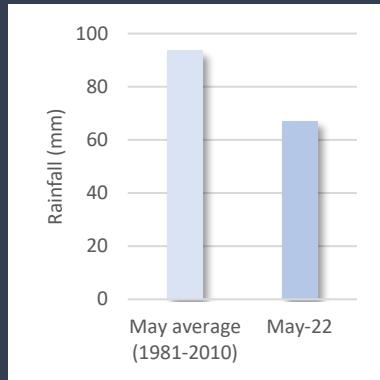
## Climate data

Earth's average temperature in May 2022 compare to 1951-1980 data: **+0.82°C**



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

- Average rainfall compare to 1981-2010: **-26.6mm**
- 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)

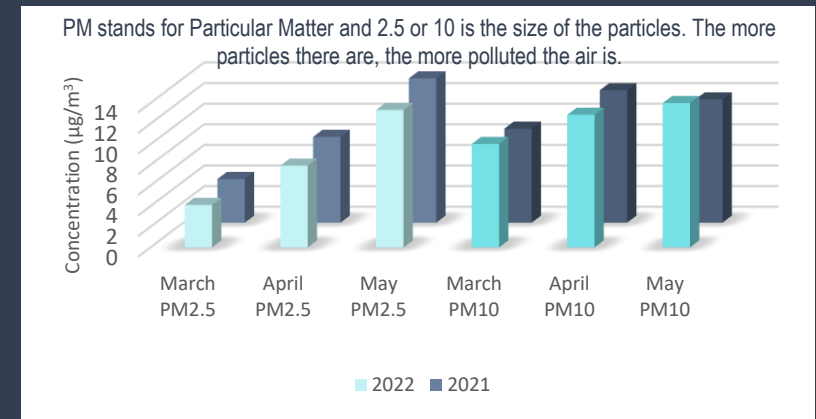
- EV fleet in the Wellington region in May 2022 : 5,576
  - EV fleet in New Zealand in May 2022 : 46,266 ~ +4.4%
- Compare to previous month



## Air quality

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

- PM2.5: 13.33  $\mu\text{g}/\text{m}^3$  – **3 days exceed WHO guidelines** ( $>25 \mu\text{g}/\text{m}^3$ )
- PM10: 17.10  $\mu\text{g}/\text{m}^3$  – 0 day exceeds WHO guidelines ( $>50 \mu\text{g}/\text{m}^3$ )



## Electricity

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

- Streetlight: 35,000 kWh  $\approx$  54 houses power consumption<sup>4</sup>
- Water supply: 80,000 kWh  $\approx$  123 houses
- Wastewater: 59,000 kWh  $\approx$  91 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in May 2022 :

- 19.2 tCO<sub>2</sub>e  $\approx$  82 return flights between Wellington and Auckland

