

# Greenhouse gas emissions Dashboard – July 2022



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

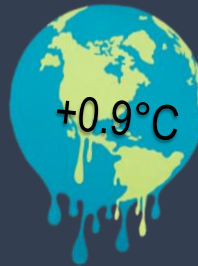


**SOUTH WAIRARAPA**  
DISTRICT COUNCIL  
Kia Reretahi Tātau



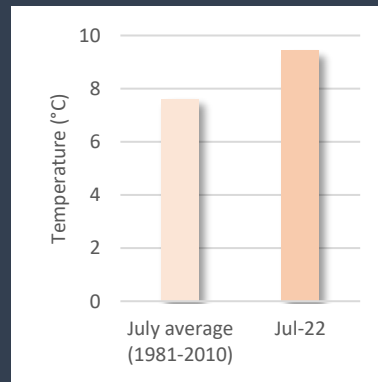
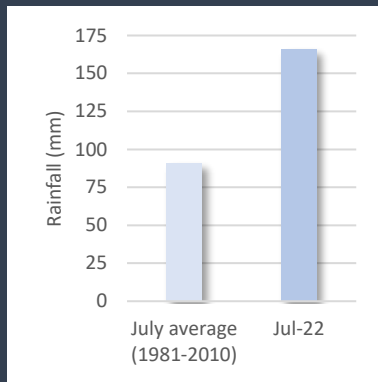
## Climate data

Earth's average temperature in July 2022 compare to 1951-1980 data: **+0.9°C**



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

- Average rainfall compare to 1981-2010: **+75.1mm**
- Average temperature compare to 1981-2010 : **+1.8°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)

Data for July 2022:

- EV fleet in the Wellington region: 6,066 ~ +4.3%
- EV fleet in New Zealand: 49,873 ~ +3.7%

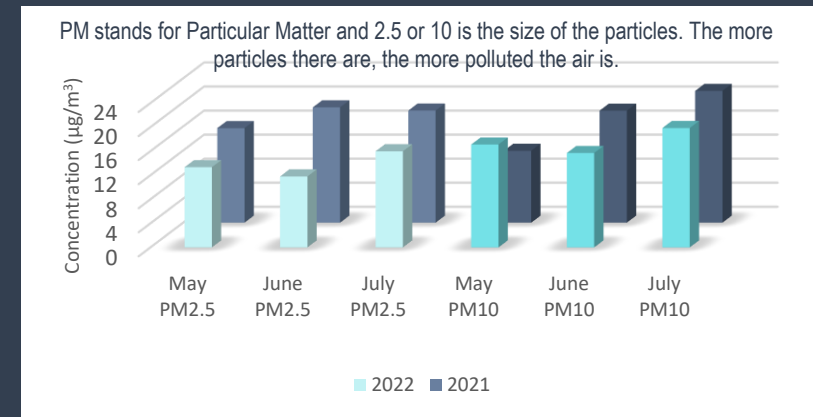
Compare to previous month



## Air quality

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

- PM2.5: 15.98  $\mu\text{g}/\text{m}^3$  – **6 days exceed WHO guidelines** ( $>25 \mu\text{g}/\text{m}^3$ )
- PM10: 19.85  $\mu\text{g}/\text{m}^3$  – **2 days exceeds WHO guidelines** ( $>50 \mu\text{g}/\text{m}^3$ )



## Electricity

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

- Streetlight: 35,000 kWh  $\approx$  54 houses power consumption<sup>4</sup>
- Water supply: 95,000 kWh  $\approx$  146 houses
- Wastewater: 67,000 kWh  $\approx$  104 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in July 2022 :

- 21.7 tCO<sub>2</sub>e  $\approx$  93 return flights between Wellington and Auckland

