

# Greenhouse gas emissions Dashboard – January 2022



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



**SOUTH WAIRARAPA**  
DISTRICT COUNCIL  
Kia Reretahi Tātau



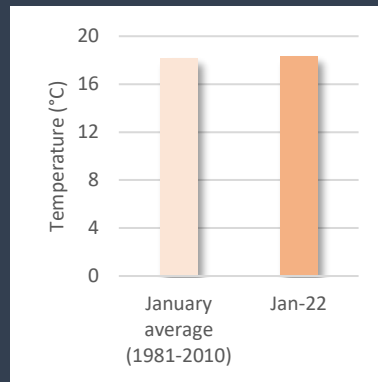
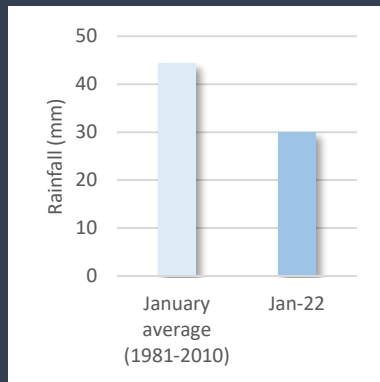
## Climate data

Earth's average temperature in January 2022 compare to 1951-1980 data: **+0.93°C**



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

- Average rainfall compare to 1981-2010: **-14.4mm**
- Average temperature compare to 1981-2010 : **+0.2°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 January 2022 : 368 ~ +2.8%
- EV fleet in the Wellington region in January 2022 : 5,550 ~ +2.6%
- EV fleet in New Zealand in January 2022 : 37,792 ~ +2.6%

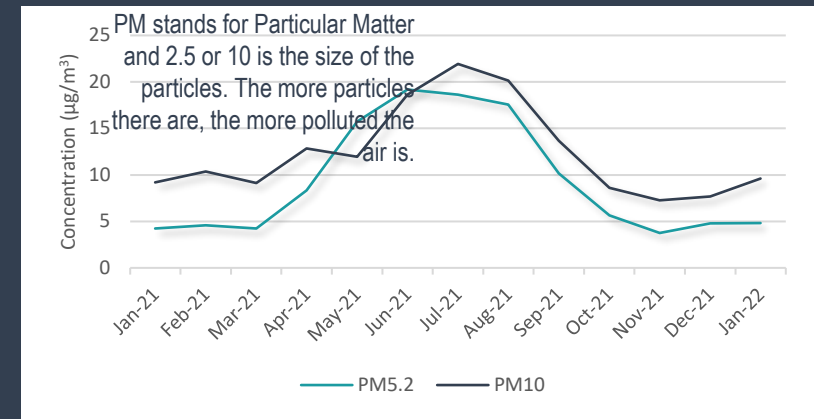
Compare to previous month



## Air quality

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

- PM2.5: 4.81  $\mu\text{g}/\text{m}^3$  – 0 day exceed WHO guidelines ( $>25 \mu\text{g}/\text{m}^3$ )
- PM10: 9.62  $\mu\text{g}/\text{m}^3$  – 0 day exceeds WHO guidelines ( $>50 \mu\text{g}/\text{m}^3$ )



## Electricity

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

- Streetlight: 23,000 kWh  $\approx$  35 houses power consumption<sup>4</sup>
- Water supply: 94,000 kWh  $\approx$  144 houses
- Wastewater: 71,000 kWh  $\approx$  108 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in January 2022 :

- 20.5 tCO<sub>2</sub>e  $\approx$  88 return flights between Wellington and Auckland

