

# Greenhouse gas emissions Dashboard – January 2022 (based on November 2021 data)



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



**SOUTH WAIRARAPA**  
 DISTRICT COUNCIL  
 Kia Reretahi Tātau



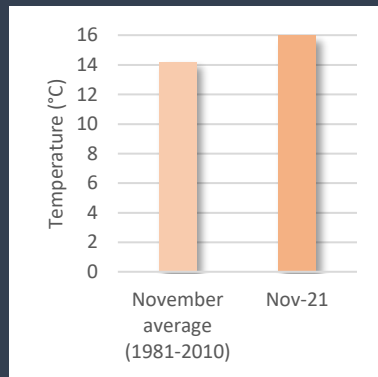
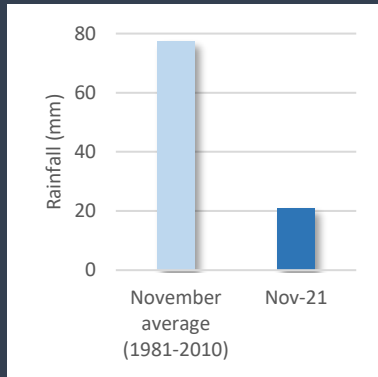
## Climate data

Earth's average temperature in November 2021 compare to 1951-1980 data: **+0.94°C**



Masterton, November 2021 (main weather station in the Wairarapa):

- Average rainfall compare to 1981-2010: **-56.5mm**
- 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)

- EV fleet in the Wairarapa in November 2021: 343 ~ +6.5%
- EV fleet in the Wellington region in November 2021: 45,265 ~ +6.8%
- EV fleet in New Zealand in November 2021: 35,256 ~ +5.1%

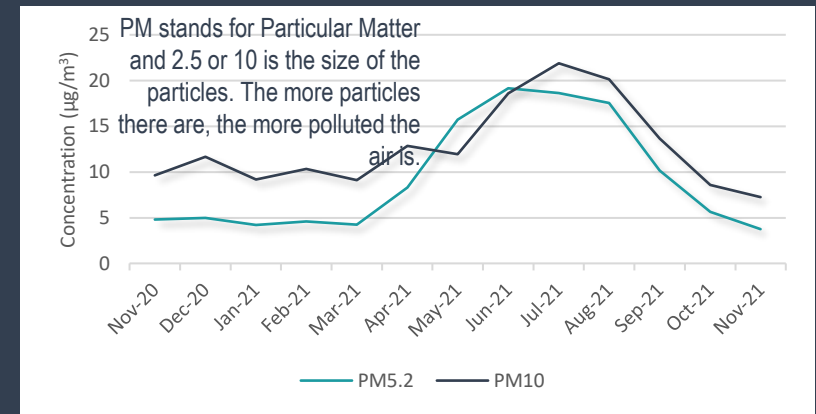
Compare to previous month



## Air quality

Masterton, November 2021 (main air quality station in the Wairarapa):

- PM2.5: 4.79 µg/m<sup>3</sup> – 0 day exceed WHO guidelines (>25 µg/m<sup>3</sup>)
- PM10: 7.68 µg/m<sup>3</sup> – 0 day exceeds WHO guidelines (>50 µg/m<sup>3</sup>)



## Electricity

Power consumption (South Wairarapa and Carterton Districts) in November 2021:

- Streetlight: 23,000 kWh ≈ 35 houses power consumption<sup>4</sup>
- Water supply: 102,000 kWh ≈ 158 houses
- Wastewater: 61,000 kWh ≈ 94 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in November 2021:

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

