# Greenhouse gas emissions Dashboard - October 2021 (based on August 2021 data)





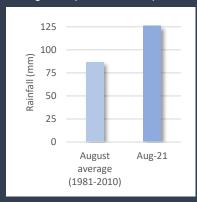


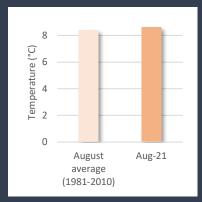
## Climate data

Earth's average temperature in August 2021 compare to 1951-1980 data: **+0.81°C** 

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

- Average rainfall compare to 1981-2010: +39.3mm
- 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)

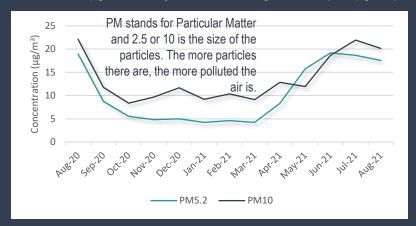
- EV fleet in the Wairarapa in August 2021: 288 ~ +4.0%
- EV fleet in the Wellington region in August 2021: 4,517 ~ +2.3%
- EV fleet in New Zealand in August 2021: 30,237 ~ +2.1% Compare to previous month



#### Air quality

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

- PM2.5: 17.54 μg/m³ 5 days exceed WHO guidelines (>25 μg/m³)
- PM10: 20.14 μg/m³ 0 day exceeds WHO guidelines (>50 μg/m³)





# Electricity

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

- Streetlight: 45,000 kWh ≈ 70 houses power consumption<sup>4</sup>
- Water supply: 76,000 kWh ≈ 117 houses
- Wastewater: 70,000 kWh ≈ 108 houses

One house of 4 people consumes about 650 kWh per month

Greenhouse gas emissions from electricity in August 2021:

■ 21.1 tCO<sub>2</sub>e ≈ 90 return flights between Wellington and Auckland

x 90