

# Greenhouse gas emissions Dashboard – March 2021



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



**SOUTH WAIRARAPA**  
DISTRICT COUNCIL  
Kia Rereahi Tātau



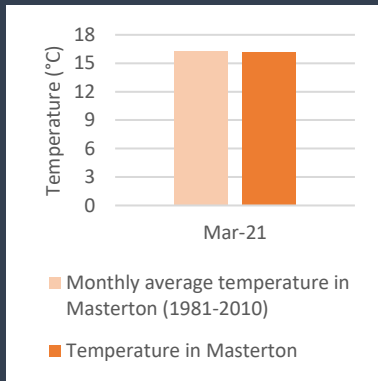
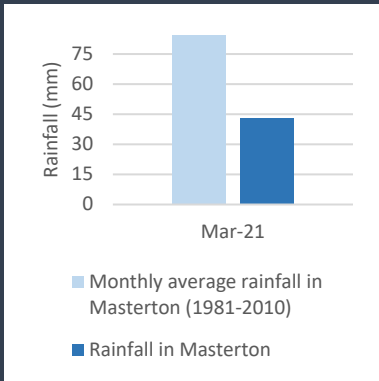
## Climate data

- Earth's average temperature<sup>1</sup>: +0.88°C



Masterton (main weather station in the Wairarapa):

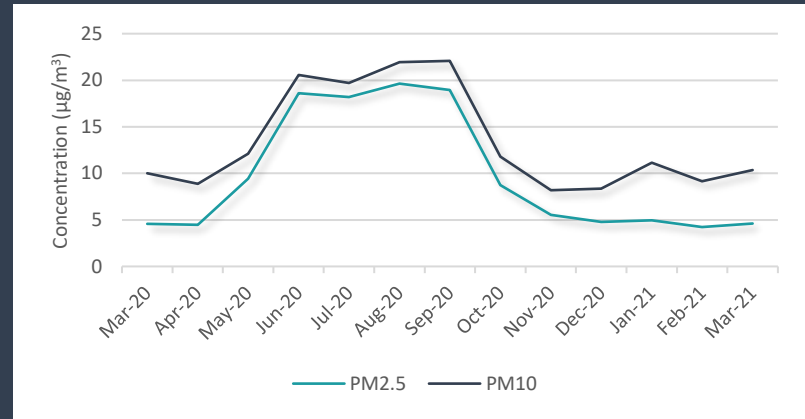
- Average rainfall<sup>2</sup>: -41.5 mm
- Average temperature<sup>2</sup>: -0.1°C



## Air quality

Masterton (main air quality station in the Wairarapa):

- PM2.5<sup>3</sup>: 4.6 µg/m<sup>3</sup> – 0 day exceeds daily average (>25 µg/m<sup>3</sup>)
- PM10<sup>3</sup>: 10.4 µg/m<sup>3</sup> – 0 day exceeds daily average (>50 µg/m<sup>3</sup>)



## Electric Vehicles (EV)

- EV fleet in the Wairarapa: 252 ~ +7.7%
- EV fleet in the Wellington region: 3,925 ~ +3.0%
- EV fleet in New Zealand: 26,482 ~ +2.3%

<sup>1</sup>: Compare to 1951-1980 data

<sup>2</sup>: Compare to 1981-2010 data

<sup>3</sup>: PM stands for Particular Matter and 2.5 or 10 is the size of the particles.

The more particles there are, the more polluted the air is.

<sup>4</sup>: One house of four people consume about 650 kWh per month



## Electricity

Power consumption (South Wairarapa and Carterton Districts):

- Streetlight: 35,000 kWh ≈ 54 houses power consumption<sup>4</sup>
- Water supply: 62,000 kWh ≈ 96 houses
- Wastewater: 56,000 kWh ≈ 87 houses

Greenhouse gas emissions from electricity:

- 16.9 tCO<sub>2</sub>e ≈ 72 return flights between Wellington and Auckland

