

Environmental Sustainability Performance Report 1 July 2022 – 30 June 2023

Improving the environmental outcomes of Council's operations

GREENHOUSE GAS EMISSIONS

17,873
tCO₂e

TARGETING ZERO EMISSIONS FROM COUNCIL'S OPERATIONS BY 2030

992

ANNUAL CHANGE



4,188
tCO₂e

19%
Decrease

Council reduced grid electricity consumption by 11% and associated emissions by 18% as the proportion of renewably-fired power increases in the grid. Transport fuel use and associated emissions reduced by 48%, after peaking during the February/March 2022 flood response. LPG emissions increased slightly as cremations increased by 19%. Printed paper use increased 8% in line with the number of staff returning to work sites. Water use in public parks increased by nearly 80% due to less than half the rainfall recorded compared to the previous year.

COUNCIL'S EMISSIONS ARE EQUIVALENT TO 992 HOUSEHOLDS' ANNUAL CARBON FOOTPRINT

GREENHOUSE GAS EMISSIONS SOURCES

PETROL

476 tCO₂e



DIESEL

2,672 tCO₂e



LPG

63 tCO₂e



ANNUAL CHANGE



40%
Decrease

ANNUAL CHANGE



49%
Decrease

ANNUAL CHANGE



3%
Increase

ELECTRICITY IN STREETLIGHTS

905 tCO₂e



ELECTRICITY IN FACILITIES

12,221 tCO₂e



WASTEWATER TREATMENT PLANT

1,536 tCO₂e

ANNUAL CHANGE



14%
Decrease

ANNUAL CHANGE



8%
Decrease

ANNUAL CHANGE



2%
Decrease

ELECTRICITY

Several of Council's solar installations underwent repairs, reducing this year's rate of solar generation and exports to the grid, and proportion of self-generation.

GRID ELECTRICITY CONSUMED

18,161,141 kWh



SOLAR GENERATION

915,387 kWh



ANNUAL CHANGE



11%
Decrease

ANNUAL CHANGE



4%
Decrease

SURPLUS SOLAR TO THE GRID FROM COUNCIL SITES

189,157 kWh



PROPORTION OF SELF-GENERATED RENEWABLE ENERGY

ANNUAL CHANGE



8%
Increase



REDUCTION IN ELECTRICITY-RELATED CARBON EMISSIONS

(since 2019/2020)

2022/2023



30%
Decrease

2021/2022



25%
Decrease

2020/2021



17%
Decrease

2019/2020



9%
Decrease

TARGETING 25% LESS EMISSIONS FROM ELECTRICITY THAN 2016/2017 BY 2022 AND 50% BY 2025

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OFFICE WASTE

MURWILLUMBAH
CIVIC CENTRE

55% or 18,450kg of materials were diverted from landfill.

CARDBOARD

2,850kg

8%
of total

ORGANIC

6,240kg

19%
of total

COMINGLED RECYCLING

9,360kg

28%
of total

WASTE TO LANDFILL

15,080kg

45%
of total



PRINTED PAPER

TOTAL PHOTOCOPIER
PRINTS

2022/2023

1,367,722



9%
Increase

2021/2022

1,252,649



28%
Decrease

2020/2021

1,741,673



17%
Decrease

2019/2020

2,086,481



15%
Decrease



WATER USE

PUBLIC PARKS

108,405_{ML}



ANNUAL
CHANGE



79%
Increase

COUNCIL FACILITIES

95,156_{ML}

ANNUAL
CHANGE



6%
Increase

Drier conditions increased watering demand

FLEET VEHICLES KILOMETRES TRAVELLED

Council leases 46 hybrid vehicles as part of its passenger fleet of 104 vehicles. ULP passenger vehicles travelled more kilometres compared to last year due to a return to pre-flood and pre-COVID vehicle use for staff commuting and personal use.

PASSENGER/
COMMERCIAL
DIESEL



3,310,416_{KM}

ANNUAL
CHANGE



3%
Decrease

PASSENGER/
COMMERCIAL
ULP



2,526,048_{KM}

ANNUAL
CHANGE



20%
Increase

TRUCKS
HEAVY/MEDIUM



1,134,312_{KM}

ANNUAL
CHANGE



17%
Decrease

CONSTRUCTION AND ROAD MATERIAL WASTE

Lower rates of material excavated from worksites was repurposed due to contamination from flood debris. Every tonne reused avoids a tonne of virgin material being excavated.



	TOTAL COLLECTED	TOTAL REPURPOSED	% REPURPOSED
2022/2023	58,190	44,041	76%
2021/2022	73,275	64,848	88%
2020/2021	81,381	72,511	89%
2019/2020	59,061	52,040	88%