

Environmental Sustainability Performance Report 1 July 2019 – 30 June 2020

Improving the environmental outcomes of Council's operations

GREENHOUSE GAS EMISSIONS
21,625
tCO₂e

TARGETING ZERO EMISSIONS FROM COUNCIL'S OPERATIONS BY 2030

44

ANNUAL CHANGE



791
tCO₂e

4%
Decrease

555kW of solar and replacement of 400 streetlights with LEDs have been major contributors to the decrease in Council's emissions.

COUNCIL'S EMISSIONS REDUCTIONS ARE EQUIVALENT TO 44 AVERAGE HOUSEHOLDS' ANNUAL CARBON FOOTPRINT

GREENHOUSE GAS EMISSIONS SOURCES

PETROL

375 tCO₂e



DIESEL

2,724 tCO₂e



ANNUAL CHANGE



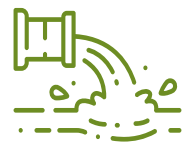
2%
Decrease

ANNUAL CHANGE



1%
Decrease

WASTEWATER TREATMENT PLANT FUGITIVE EMISSIONS



ELECTRICITY IN STREETLIGHTS

2,287 tCO₂e



ELECTRICITY IN FACILITIES

14,824 tCO₂e



1,414 tCO₂e

ANNUAL CHANGE



5%
Decrease

ANNUAL CHANGE



4%
Decrease

ANNUAL CHANGE



3%
Decrease

ELECTRICITY

GRID ELECTRICITY CONSUMED

21,205,911 kWh



SOLAR GENERATION

597,070 kWh



ANNUAL CHANGE



4%
Decrease

ANNUAL CHANGE



88%
Increase

SURPLUS SOLAR TO THE GRID FROM COUNCIL SITES

80,577 kWh



PROPORTION OF SELF-GENERATED RENEWABLE ENERGY

2.44%



ANNUAL CHANGE



16%
Increase

ANNUAL CHANGE



117%
Increase

REDUCTION IN ELECTRICITY-RELATED CARBON EMISSIONS

2019/2020



9%
Decrease

2018/2019



6%
Decrease

2017/2018



3%
Decrease

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

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OFFICE WASTE

MURWILLUMBAH ADMIN OFFICE

An office audit was not completed this year due to large numbers of staff working from home in response to COVID-19.



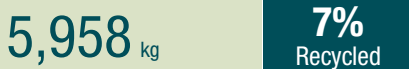
2018/2019



2016/2017



2014/2015

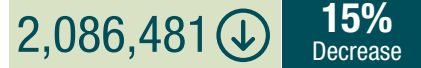


PRINTED PAPER

TOTAL PHOTOCOPIER PRINTS



2019/2020



From April 2020 there was a 40% decrease compared to last year.

2018/2019



2017/2018



WATER USE

PUBLIC PARKS

181,493 ML



ANNUAL CHANGE ↑

20% Increase

COUNCIL FACILITIES

96,202 ML



ANNUAL CHANGE ↓

1% Decrease

Drought conditions created higher watering demand across Tweed's parks and sports fields.

FLEET VEHICLES KILOMETRES TRAVELLED

Council leases 32 hybrid vehicles amongst its passenger fleet of 106 vehicles, exceeding the NSW Government 10 per cent target for electric or hybrid vehicles in Government agencies' passenger car fleets.

PASSENGER/COMMERCIAL DIESEL



3,563,345 KM

ANNUAL CHANGE ↓

9% Decrease

PASSENGER/COMMERCIAL ULP



2,164,569 KM

ANNUAL CHANGE ↓

5% Decrease

TRUCKS HEAVY/MEDIUM



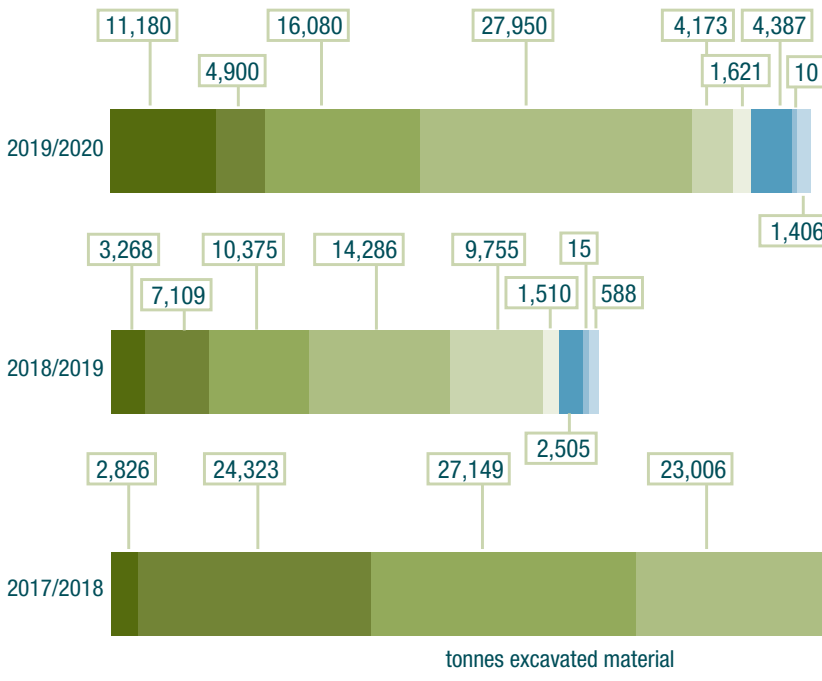
1,727,142 KM

ANNUAL CHANGE ↓

4% Decrease

6% less kilometres were travelled compared to the previous 12 months due to COVID-19 travel restrictions and Council's work from home arrangements.

CONSTRUCTION AND ROAD MATERIAL WASTE



90% of material excavated from infrastructure worksites is repurposed, particularly roads material which is re-used in the rebuilding of sealed roads and regrading of gravel roads. Every tonne reused avoids a tonne of virgin material being excavated.

REUSED AND REPURPOSED

- To Council controlled /approved projects
- Disposed at private sites
- Virgin natural material
- Public roads material
- Recycled asphalt pavement
- Concrete
- Contaminated soils
- Asbestos
- Acid sulphate soils