

# Environmental Sustainability Performance Report

1 July 2019 – 30 June 2020

Improving the environmental outcomes of Council's operations



## GREENHOUSE GAS EMISSIONS

**21,625** tCO<sub>2</sub>e

ANNUAL CHANGE **791** tCO<sub>2</sub>e **4%** Decrease

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

TARGETING ZERO EMISSIONS FROM COUNCIL'S OPERATIONS BY 2030

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

### GREENHOUSE GAS EMISSIONS SOURCES

**PETROL** 375 tCO<sub>2</sub>e

ANNUAL CHANGE **2%** Decrease

**DIESEL** 2,724 tCO<sub>2</sub>e

ANNUAL CHANGE **1%** Decrease

**ELECTRICITY IN STREETLIGHTS** 2,287 tCO<sub>2</sub>e

ANNUAL CHANGE **5%** Decrease

**ELECTRICITY IN FACILITIES** 14,824 tCO<sub>2</sub>e

ANNUAL CHANGE **4%** Decrease

**WASTEWATER TREATMENT PLANT FUGITIVE EMISSIONS** 1,414 tCO<sub>2</sub>e

ANNUAL CHANGE **3%** Decrease

### ELECTRICITY

**GRID ELECTRICITY CONSUMED** 21,205,911 kWh

ANNUAL CHANGE **4%** Decrease

**SOLAR GENERATION** 597,070 kWh

ANNUAL CHANGE **88%** Increase

**SURPLUS SOLAR TO THE GRID FROM COUNCIL SITES** 80,577 kWh

ANNUAL CHANGE **16%** Increase

**PROPORTION OF SELF-GENERATED RENEWABLE ENERGY** 2.44%

ANNUAL CHANGE **117%** Increase

### REDUCTION IN ELECTRICITY -RELATED CARBON EMISSIONS

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

2019/2020 **9%** Decrease

2018/2019 **6%** Decrease

2017/2018 **3%** Decrease

### 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

4,433 kg **52%** Recycled

2016/2017

5,308 kg **96%** Recycled

2014/2015

5,958 kg **7%** Recycled

### PRINTED PAPER

TOTAL PHOTOCOPIER PRINTS

2019/2020

2,086,481 **15%** Decrease

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

2018/2019

2,455,680 **16%** Increase

2017/2018

2,125,822

### 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.

2019/2020

2018/2019

2017/2018

tonnes excavated material

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