

CLIMATE CHANGE EMERGENCY RESPONSE.

Reducing our greenhouse gases

Council have recently declared a climate emergency and are considering what future investments to make. Whilst there is lots to be done below summarise some key recent achievements.

PROCUREMENT.



A linkage to **60% RENEWABLE ENERGY** has been secured from Lake Bonney wind farm for large sites and for 12 and 24 hour street lighting under a local government contract between Jan 2020 and Dec 2022.

GREEN BUILDINGS.

82KW OF SOLAR POWER PANELS installed on Mitcham Library, Melrose Park Depot, Mitcham Community Centre and Cumberland Park Community Centre in 19/20.

A further **45KW SOLAR POWER PANELS** installed prior at Mitcham Civic Centre, works depot and heritage research centre.

A building LED lighting upgrade at Council's Civic Centre and Melrose Park Depot reducing greenhouse gas emissions by 86 tonnes a year.

A range of site energy audits from 2016 to 2018 for high energy use sites identifying further improvements for energy efficiency.

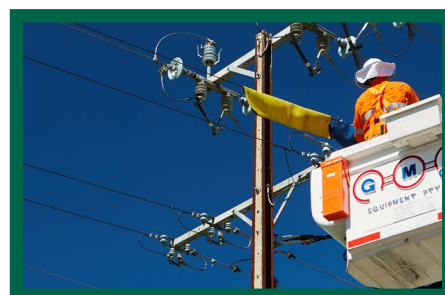


PUBLIC LIGHTING.

4,980 STREET LIGHTS CHANGED TO 14 W LEDS using 82% less electricity to light our streets and reducing greenhouse gas emissions by approximately 605 tonnes a year. This is equivalent to taking 127 cars off the road for a year.

Prepared a detailed feasibility to changeover remaining street lights to LED.

Prepared a roadmap to examine energy efficiency and 'smart' opportunities for open space lighting assets across the city.



TRANSPORT.

Completion of the **BELAIR TO CITY BIKE-WAY** upgrade along Rugby St.

Encouraging sustainable transport use (public transport, walking, car-share and cycling) through development of an **INTEGRATED TRANSPORT PLAN (ITP)**.

1 **HYBRID VEHICLE** as part of the passenger vehicle fleet.

Trial of an **ELECTRIC (SEA ELECTRIC) WASTE TRUCK** by East Waste, Council's subsidiary green organics, recycling and hard waste service provider.

WASTE TO LANDFILL REDUCTIONS.



WE DIVERTED 58% OF THE CITIES DOMESTIC WASTE FROM LANDFILL IN 19/20 (16154 tonnes of recycling and green waste collected from kerbside) avoiding 18,184 tonnes of greenhouse gas emissions.

In 2018 we delivered **FREE KITCHEN CADDIES TO 5,500 HOUSEHOLDS** in St Marys, Clapham, Panorama, Pasadena and Eden Hills to reduce food waste going to landfill.

Two **WASTE AUDITS** to identify key opportunities to further improve our waste to landfill diversion rate.

Piloted three types of **COMPOSTABLE DOG BAGS** at Hawthorndene Oval, Mortlock Park and Brownhill Creek.

We are **TRANSITIONING AWAY FROM SINGLE USE PLASTIC PRODUCTS** at Council run events.

COMMUNITY E-WASTE BINS were installed at the Mitcham Cultural Village and Mitcham Operations Depot.

A strong focus on **WASTE EDUCATION** through community events, presentations, workshops, and online engagement.

GREEN ORGANIC AND RECYCLING commercial collections implemented at all of Council's main sites resulting in corporate reductions in waste to landfill.

BUILDING COMMUNITY CAPACITY.

In 2020 Mitcham partnered with a number of other South Australian Councils to deliver **COMMUNITY EMISSION PROFILES** across all South Australian local government authorities.

We participated in the South Australian Government's **ENERGY PARTNERS PROGRAM**.

Ongoing Waste Community Education program guided by **"WHICH BIN"** website to encourage waste to landfill diversion – involves talks by Waste Officers, KESAB and East Waste.

LIVING SMART courses in partnership with Adelaide and Mt Lofty Ranges NRM Board to teach residents and community group members how to be sustainable at home.

GREEN LIVING Worksops at Mitcham Memorial Library on a series of sustainability topics.

GOVERNANCE & PARTNERSHIPS.



Joined the **CITIES POWER PARTNERSHIP** in 2019 and will commit to a minimum of five pledges.

Declaration of a **CLIMATE EMERGENCY** in 2019.

RESILIENT SOUTH SECTOR AGREEMENT Along with Cities of Onkaparinga, Marion, Holdfast Bay and State Government, a partnership approach to work regionally on mitigation of greenhouse gas emissions as well as adaptation to impacts.

SUSTAINABLE INFRASTRUCTURE.



Council actioned recent **SUSTAINABLE INFRASTRUCTURE UPGRADES** on Carlisle St and Standlake Avenue using a range of recycled materials materials including 450,000 plastic bottles, waste tyres and using a warm mix at 30 degrees less than normal to reduce greenhouse gas emissions. Recycled concrete kerbs, tree inlets and rain gardens were also installed.

In 2018/19 the following recycled materials were incorporated into a range of projects to lower embodied greenhouse gas emissions:

- 1503 Tonnes of recycled asphalt in road renewals
- 4789 Tyres used in Asphalt
- 3193 Tonnes of Crumb Rubber Asphalt laid
- 1 Gap Graded Crumb Rubber Asphalt Trial

STRATEGY & MONITORING.

TRELLIS to track and monitor corporate greenhouse gas emissions where a drop of 20% has been observed since 2014/15

Development of **CLIMATE READY 2020-2030 – GREENHOUSE GAS EMISSION REDUCTION PATHWAYS DOCUMENT**.