

BREAK O'DAY COUNCIL - ST HELENS WASTE TRANSFER STATION HAS HAD A POSITIVE ENVIRONMENTAL IMPACT IN THE 2023/2024 FINANCIAL YEAR

In 2023/2024 financial year TechCollect recycled 17,803 tonnes of National Television and Computer Recycling Scheme (NCRS) "in scope" e-waste. 10,195 kilograms of that total was collected at Break O'Day Council - St Helens Waste Transfer Station.

Each year, Australia and New Zealand Recycling Platform (ANZRP) engages an independent consultant to perform a lifecycle assessment of the environmental impact of its national e-waste collection and recycling service.

Break O'Day Council - St Helens Waste Transfer Station has had the following environmental impact:



Carbon Emission

21,115 kg

of CO₂e emissions prevented from entering the atmosphere

=

349 trees

Trees¹ planted equivalent



Water

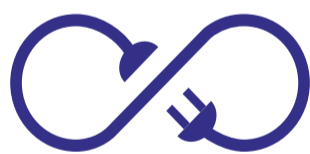
4,600 m³

of water saved

=

135 days

of average household water use² equivalent



Energy

261,552 megajoules

of energy saved

=

1,062 days

of household electricity consumption³ equivalent



Air Emission

29,545 grams

of particulate matter prevented from entering the atmosphere

=

43,824 km

of truck driving⁴ equivalent to particulate matter emissions

References

1. Based on modelling assumptions developed by the U.S. EPA in their Greenhouse Gases Equivalencies Calculator: <https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>
2. Based on 34 cubic metres equivalent per day and per Australian household in FY22, using Australian Bureau of Statistic data (Water Account), and the Australian average water scarcity factor as per the AWARE method.
3. Based on 90 GJ of annual energy per Australian household in FY22, using Australian Bureau of Statistic data (Energy Account).
4. Factor applied based on an EURO3 diesel truck emissions as modelled in eco-invent 3.5.

*Note, e-waste collected and recycled through individual producer responsibility programs were not included in the life cycle assessment and in the impact figures provided above.