

Annual report

April 2020 — March 2021

Putting Cornwall's waste to good use



on behalf of Cornwall Energy Recovery Ltd
01726 828230 · www.suezcornwall.co.uk

In this 15th year of partnership
between SUEZ and Cornwall Council,
we've put **271,033** tonnes
of waste to good use...

...generating enough electricity
to power **28,691** homes*

Cornwall Council and Cornwall Energy Recovery Limited (CERL) are working together to ensure Cornwall's waste is managed sustainably, helping tackle the climate emergency and protecting its unique environment. CERL is made up of three shareholders: Pensions Infrastructure Platform, i-Environment Investments, and SUEZ recycling and recovery UK. In addition to being a shareholder, SUEZ is responsible for day-to-day operation and maintenance of the network of facilities that manage Cornwall's household waste.

* Calculated based on electricity generated per tonne of waste processed during the 2020/21 contract year and the average household energy consumption in the South West, as reported by the Department of Business, Energy and Industrial Strategy in 2019.

OVERVIEW

99.9% of waste
diverted from landfill

34% recycling
rate

Re-use
106 tonnes

Recycling and compost

92,601 tonnes

**Wood for biomass
energy recovery**

12,829 tonnes

Energy recovery

165,363 tonnes

Landfill

134 tonnes

TOTAL WASTE BY TREATMENT TYPE

RECYCLING

**Materials recycling facility
recyclable outputs**

Aluminium cans
654 tonnes

Mixed plastics
3,986 tonnes

Paper and card
21,572 tonnes

Mixed glass
16,786 tonnes

Textiles
80 tonnes

Steel cans
1,559 tonnes

Mixed metal
37 tonnes

**Household waste
recycling centres**

During the 2020/21 contract year, the Covid-19 pandemic impacted the services provided. The household waste and recycling centres were closed during the first national lockdown and the amount of household waste collected increased substantially as more time was spent at home.

47.72% recycling
rate

83% service
satisfaction rating*

*Due to social distancing measures during the COVID-19 pandemic, the annual customer satisfaction surveys were not completed at the recycling centres. The Service Satisfaction Rating reported here instead reflects scores received following inspections by Cornwall Council.

RECOVERY

Waste processed

165,363 tonnes
municipal

87,648 tonnes
commercial

Electricity generated

182,818 megawatt
hours

Incinerator bottom ash aggregates and metals

56,635 tonnes
sent for recycling

Air pollution control residue

5,882 tonnes
sent to landfill

Emissions (mg/m³)

	Permit limit Daily average per line	Line one Daily average	Line two Daily average
Particulates	10	0.59	0.53
Carbon monoxide	50	5.75	7.19
Sulphur dioxide	50	12.52	6.18
Hydrogen chloride	10	6.25	6.31
Oxides of nitrogen	200	133.84	134.35
Total organic carbon	10	0.39	0.24
Ammonia	10	0.12	0.25
Hydrogen fluoride	1	-0.49	-0.65

SOCIAL VALUE

24 visitors

Due to the COVID-19 pandemic, schools and local groups primarily requested virtual tours of Bodmin materials recycling facility and the Cornwall energy recovery centre. The few in-person tours which took place were limited to six attendees and strictly adhered to social distancing guidelines.

In addition to virtual tours and presentations, the team on site adapted to on-line learning by creating and distributing a new suite of educational materials for teachers in Key Stage 1-4.

6 local
charities

supported through staff
fundraising and volunteering

1 socially distanced
beach clean

£107,245 donated

through the St Dennis &
Nanpean Trust to date