

# Annual report

April 2020 — March 2021

# Putting Cornwall's waste to good use



on behalf of Cornwall Energy Recovery Ltd  
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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/m<sup>3</sup>)

	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