Suffolk energy-from-waste facility

Annual report 2020

In this sixth year of partnership between SUEZ and Suffolk County Council, we've put 289,990 tonnes of waste to good use generating enough electricity to power 42,676 homes.

Putting Suffolk's waste to good use

Suffolk County Council and SUEZ recycling and recovery UK work in partnership to dispose of all of Suffolk's household waste left after recycling.

SUEZ recycling and recovery UK
Suffolk energy-from-waste facility
Lodge Lane, Great Blakenham, Suffolk IP6 0JE
01473 839149 · www.suffolkefw.co.uk

2020 in numbers

Suffolk energy-from-waste facility

INPUTS

Waste processed

Municipal waste
239,242 tonnes

Commercial waste
50,748 tonnes

TOTAL
289,990 tonnes

Energy imported

258 megawatt hours

Raw materials consumed

Lime (hydrated)
1,900 tonnes

Powder activated carbon
84 tonnes

Urea
738 tonnes

Diesel
209,463 litres

OUTPUTS

Energy generated and exported

Electricity (generated)
199,392 megawatt hours

Electricity (exported)
176,040 megawatt hours

Waste recovered and recycled

Bottom ash (aggregate)
58,294 tonnes

Ferrous metals
7,168 tonnes

Non-ferrous metals
3,176 tonnes

Waste disposed

Air pollution control residue
6,321 tonnes

SAVINGS

21,125 tonnes fossil fuels

saved by exporting 176,040 megawatt hours of electricity, compared to natural gas power stations

ECONOMY

£779,807 spent with Suffolk suppliers

- 49 staff
- 2 apprentices

COMMUNITY AND VISITOR CENTRE

- 1 virtual community liaison group meeting

The community liaison group is made up of residents and councillors local to the facility. It is a forum to both share any concerns about our operations and to celebrate successes. The group has been integral to the facility's success.

Temporary closure of the visitor centre

Due to the COVID-19 pandemic, the facility has remained closed to the public since early March 2020 to protect the essential service that SUEZ and Suffolk County Council provide.

We developed online resources for outreach during the pandemic and prior to the closure, in 2020 we hosted:

- 31 visits including open days
- 10 education / school / children visits
- 21 adult groups
- 67 open day visitors

→ 358 total visitors

SUEZ communities trust

- The trust awarded £20,231 in Suffolk to the Claydon Scout Group for Scout hut restoration and repairs

Heritage Open Days

- 2 webinars for the national festival in September

streamed live to 40 attendees with 75 and counting post-event views on YouTube

Watch the recording here: youtu.be/PswZtaERhQ4

COMPLIANCE

Environment

	Licence limit Daily average per line (mg/m³)	Line 1 Daily average (mg/m³)	Line 2 Daily average (mg/m³)
Particulates	10	1.4	1.0
Total organic carbons	10	0.3	0.3
Hydrogen chloride	10	5.6	5.7
Carbon monoxide	50	1.7	1.2
Sulphur dioxide	50	19.7	22.4
Oxides of nitrogen	200	177.7	178.7

The energy-from-waste process is one of the most tightly regulated industrial processes in the UK. At the Suffolk facility, both SUEZ and the Environment Agency monitor the facility to ensure it operates within the conditions set out by the environmental permit. Flue gas is treated throughout the process to ensure compliance with the permit limits. Further information is available on our website (www.suffolkefw.co.uk).

Health and safety

SUEZ actively promotes safe behaviour and awareness though the work of its dedicated health and safety teams, training courses, safety auditing and the Safety in Mind (SIM) programme.

Introduced in 2016, the SIM programme encourages a safety aware culture among staff, contractors and visitors. SIM conversations are used to highlight good practice or discuss how an activity could be undertaken more safely with the aim of reducing the number of near misses and accidents. As a result of good health and safety practice on site, the facility has recently surpassed three years without a lost time incident, an injury accident that causes an employee to take time off work.

0 RIDDOR

0 Lost time incidents

7 Personal injuries

5 Damages to property

61 Near hazard / Near miss reported

4,155 Safety in Mind conversations