

Suffolk energy-from-waste facility annual report 2019

In this fifth year of
partnership between SUEZ
and Suffolk County Council,
we've put

265,390 tonnes
of waste to
good use generating
enough electricity to
power **41,194** 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.

INPUTS

Waste processed

230,889 tonnes

Municipal waste

34,501 tonnes

Commercial waste

Total

265,390 tonnes

Energy imported

521 megawatt hours

Raw materials consumed

Lime (hydrated)
1,917 tonnes

Powder activated carbon
78 tonnes

Urea
655 tonnes

Diesel
324,253 litres

OUTPUTS

Energy generated and exported

Electricity (generated)
181,136 megawatt hours

Electricity (exported)
164,116 megawatt hours

Waste recovered and disposed

Air pollution control residue
5,754 tonnes

Bottom ash (aggregate)
47,389 tonnes

Ferrous metals
6,203 tonnes

Non-ferrous metals
2,944 tonnes

SAVINGS

19,694 tonnes fossil fuels

134,762 tonnes CO_{2e}

savings achieved by diverting 265,390 tonnes of waste from landfill and exporting 164,116 megawatt hours of electricity

COMPLIANCE

Environment

	Licence limit Daily average per line (mg/m ³)	Line 1 Daily average (mg/m ³)	Line 2 Daily average (mg/m ³)
Particulates	10	2.3	0.2
Total organic carbons	10	0.5	0.4
Hydrogen chloride	10	6.9	6.5
Carbon monoxide	50	1.2	0.9
Sulphur dioxide	50	16.9	15.7
Oxides of nitrogen	200	179.6	178.9

The energy-from-waste process is one of the most tightly regulated industrial processes in Europe. 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 safety awareness through the work of its dedicated health and safety teams, training courses, safety auditing and the Safety in Mind programme.

Introduced in 2016, Safety in Mind encourages a safety aware culture among staff, contractors and visitors. Safety in Mind 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.

The number of reportable incidents or injuries has reduced or remained static compared to 2018, including a 65% reduction in the number of near misses on site.

0 RIDDOR

0 Lost time incidents

7 Personal injuries

5 Damages to property

61 Near hazard / Near miss reported

9,799

Safety in Mind conversations

ECONOMY

£1,037,586 spent with Suffolk suppliers

• 49 staff • 2 apprentices

COMMUNITY AND VISITOR CENTRE

4 community liaison group meetings

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.

112 visits including open days

34 education / school / children visits

87 adult groups

204 open day visitors

1,368 total visitors

1 Heritage Open Days event

welcoming over 100 visitors to the facility

7 outreach events

Sponsorship

SUEZ communities trust awarded **£61,500** in Suffolk

+ £18,518 to Great Blakenham Cycle Speedway Club for track floodlights and shelter for safety

+ £4,444 to Great Blakenham Parish Room for maintenance and improvement to facilities

+ £38,582 to Hemingstone Hut Committee for Hemingstone Hut restoration and improvements

The facility donated £1,900 to local recipients including:

+ Claydon High School to support the implementation of their Duke of Edinburgh awards scheme

+ Barking Pre-school for classroom equipment

+ Somersham Primary School to help cover the running costs of a summer fete

+ Somersham Wheelie Fun Day to help cover the running costs of the community event

• The Suffolk Show, working with others from the Suffolk Waste Partnership

• 6 activities with schools, including STEM workshops and careers events