

# Suffolk energy-from-waste facility annual report 2017

**SUEZ has been  
putting Suffolk's waste to good use  
for three years now,**

**generating enough  
electricity to  
power 42,409 homes**

**and will continue to work with  
Suffolk County Council  
until 2039.**



**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

Municipal waste  
**244,354** tonnes

Commercial waste  
**22,841** tonnes

Total  
**267,195** tonnes

Energy imported  
**201** megawatt hours

### Raw materials consumed

Lime (hydrated)  
**2,098** tonnes

Powder activated carbon  
**80** tonnes

Urea  
**414** tonnes

Water  
**54,712** m<sup>3</sup>

Diesel  
**461,891** litres

## OUTPUTS

### Energy generated and exported

Electricity (generated)  
**170,461** megawatt hours

Electricity (exported)  
**150,127** megawatt hours

### Waste recovered and disposed

Air pollution control residue  
**6,264.84** tonnes

Bottom ash (aggregate)  
**49,033.62** tonnes

Ferrous metals  
**7,614.82** tonnes

Non-ferrous metals  
**2,127.02** tonnes

## SAVINGS

**53,031** tonnes fossil fuels

**140,373** tonnes CO<sub>2e</sub>

Savings achieved by diverting 267,195 tonnes of waste from landfill and exporting 150,127 megawatt hours of electricity

## COMPLIANCE

### Environment

	Licence limit Daily average per line (mg/m <sup>3</sup> )	Line 1 Daily average (mg/m <sup>3</sup> )	Line 2 Daily average (mg/m <sup>3</sup> )
Particulates	10	1.1	2.0
Total organic carbons	10	0.4	0.5
Hydrogen chloride	10	7.4	7.0
Carbon monoxide	50	4.1	5.1
Sulphur dioxide	50	31.0	32.4
Oxides of nitrogen	200	179.1	179.6

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 plant 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](http://www.suffolkefw.co.uk)).

### Health and safety

SUEZ actively promotes safe behaviour and awareness through the work of its dedicated health and safety teams, training courses, safety auditing and the Safety in Mind programme, which encourages a safety aware culture.

Introduced in 2016, Safety in Mind conversations are used to highlight good practice or to discuss how an activity could be undertaken more safely, and aim to result in fewer near misses and accidents. Since their introduction, the number of near misses has reduced by 26% and the number of personal injuries or lost time accidents has remained static.

**0** RIDDOR

Lost time incidents **2**

**13** Personal injuries

Damages to property **9**

**108** Near hazard / Near miss reported

Safety in Mind conversations **5,091**

## ECONOMY

**47** staff **£785,742** spent with Suffolk suppliers  
**1** apprentice on a 4-year apprenticeship with West Suffolk College studying to be a maintenance and operations engineering technician

## 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.

**77** visits including open days

**21** education / school / children visits

**47** adult groups

**156** open day visitors

**1,255** total visitors

**7** outreach events

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

6 activities with schools, from eco days to career days

### Sponsorship

SUEZ Communities Trust awarded **£10,154** in Suffolk

**£5,000** to Sproughton Parochial Church Council for improved access to the church hall

**£5,154** to Henley Community Centre Charity for a stage extension upgrade

SUEZ SPONSORED THE CLAYDON FOOTBALL CLUB UNDER 7S TEAM.

