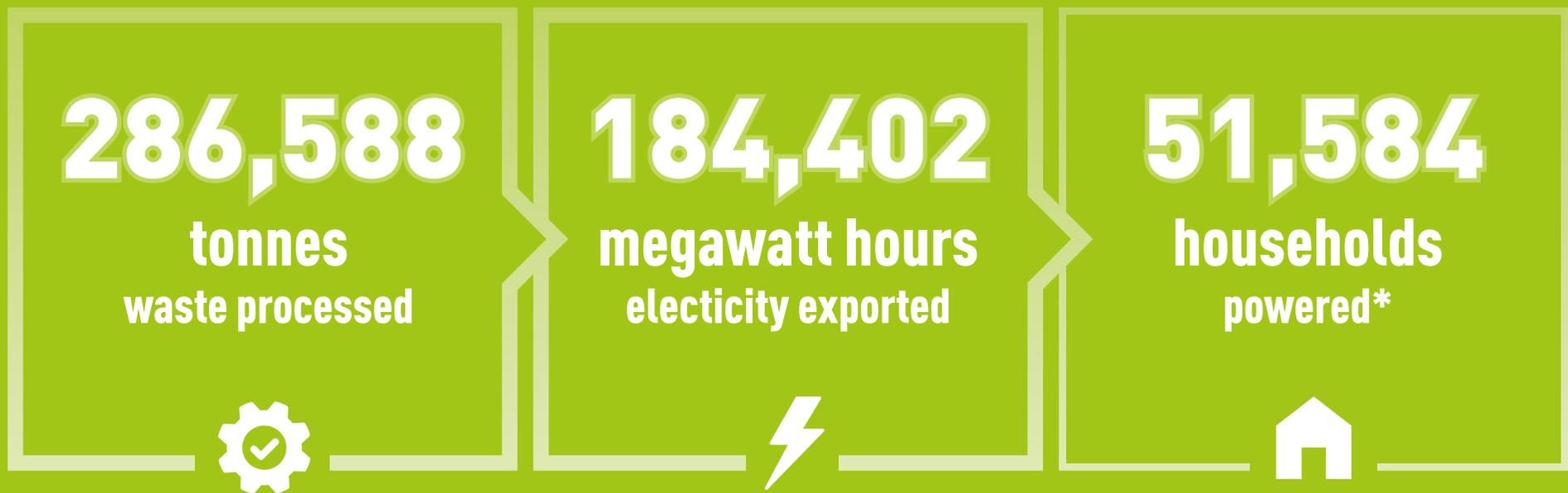


# Suffolk energy-from-waste facility Annual report

20  
24



In the tenth year of partnership between SUEZ and Suffolk County Council, we've put **286,588 tonnes of waste** to good use generating enough electricity to **power 51,584 homes\***.



\* Based on the mean consumption of all domestic meters in the East in 2023 being 3,574.8 kWh ([www.data.gov.uk](http://www.data.gov.uk)). This figure will fluctuate as the amount of electricity used by households changes year on year.

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



**Putting Suffolk's waste to good use**

SUEZ recycling and recovery UK  
Suffolk energy-from-waste facility, Lodge Lane, Great Blakenham, Suffolk IP6 0JE

01473 839149 · [www.suffolkefw.co.uk](http://www.suffolkefw.co.uk)

## INPUTS

### Waste processed

Municipal waste  
**230,292** tonnes

Commercial waste  
**56,296** tonnes

**TOTAL**  
**286,588** tonnes

### Electricity imported

**333** megawatt hours

### Raw materials consumed

Lime (hydrated)  
**2,963** tonnes

Powder activated carbon  
**84** tonnes

Urea  
**600** tonnes

Diesel  
**243,530** litres<sup>1</sup>

## OUTPUTS

### Energy generated and exported

Electricity (generated)  
**207,405** megawatt hours

Electricity (exported)  
**184,402** megawatt hours

### Waste recovered

Bottom ash (aggregate)  
**52,451** tonnes

Ferrous metals  
**6,564** tonnes

Non-ferrous metals  
**3,417** tonnes

### Waste disposed

Air pollution control residue  
**7,207** tonnes

Waste diverted to landfill  
**4,735** tonnes<sup>2</sup>

## SAVINGS

**22,127** tonnes fossil fuels

saved by exporting  
184,402 megawatt hours  
of electricity, compared to  
natural gas power stations

## LOCAL ECONOMY

**£654,427** spent  
with Suffolk suppliers

- 47 staff
- 3 apprentices
- 1 intern

## BIODIVERSITY

- Suffolk Wildlife Trust biodiversity survey undertaken
- 1 bug hotel installed on wildflower meadow
- 6 beehives onsite, looked after by local beekeepers
- 2 adult peregrine falcons hatched
- 3 chicks in purpose-built nesting box

<sup>1</sup> Diesel is used in the start-up and shut down of the facility to support the preheating and controlled cooling of the furnaces.

<sup>2</sup> During the annual shutdown of the facility some waste is diverted to landfill. Shutdown is required for routine maintenance.

## COMPLIANCE



### Environment

(mg/m<sup>3</sup> dry @ 11% O<sub>2</sub>)

	Licence limit Daily average per line	Line one Daily average	Line two Daily average
Particulates	5	1.2	1.4
Total organic carbons	10	0.3	0.4
Hydrogen chloride	8	3.4	3.4
Carbon monoxide	50	2.6	3.1
Sulphur dioxide	40	25.7	24.0
Oxides of nitrogen	180	164.1	165.2

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.

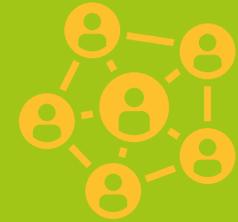
Further information is available on our website [www.suffolkefw.co.uk](http://www.suffolkefw.co.uk)

## 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 (SIM) program.



## COMMUNITY AND VISITOR CENTRE



- **84** visits, including open days
- **42** education / school / children visits
- **42** adult groups
- **973** total visitors
- **449** adults
- **524** children
- **2** Year 10 work experience students hosted
- **35** colleagues completed a 'Day a year to volunteer'
- **21** outreach events
  - ↳ The Suffolk Show
  - ↳ Suffolk Youth Climate conference
  - ↳ 10 primary school assemblies and lessons
  - ↳ 1 outreach session to a children's community club
  - ↳ 3 adult outreach talks
  - ↳ 3 careers events

Supporting projects including construction work at Suffolk Owl Sanctuary, stock sorting and preparation at St Elizabeth Hospice, building a dead hedge and maintaining natural habitats for indigenous creatures at Red Gables, overhauling a memorial at the National Museum Arboretum, assisting with maintenance at Flixton Aviation Museum, assisting with preservation of flora and fauna at Orford Ness and serving Christmas lunches at Red Gables.

## SPONSORSHIP



- **The facility donated over £2,300 to good causes in Suffolk including:**
  - ↳ Banham Zoo
  - ↳ Suffolk Greenest County Awards
  - ↳ Home-Start in Suffolk
  - ↳ Sproughton Primary School for a prayer garden
  - ↳ St Elizabeth Hospice
  - ↳ The SUEZ SCOPE Christmas fund awarded £500 to Home-Start in Suffolk to help them to support local residents in need over Christmas