

10 years of putting waste to good use

2015 → 2025

Suffolk energy-from-waste facility



Suffolk energy-from-waste facility

10 year report

Over the ten years of the partnership between SUEZ and Suffolk County Council, we've put **2,771,016 tonnes of waste** to good use generating enough electricity to power **50,000 homes each year***



* Based on the average mean consumption of all domestic meters in the East (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

INPUTS

Waste processed

Municipal waste

2,351,800 tonnes

Commercial waste

419,216 tonnes

Total

2,771,016 tonnes

Electricity imported

4,469 megawatt hours

**The Suffolk EfW
has successfully
diverted 98.6% of
Suffolk's waste
from landfill.**

OUTPUTS

Energy generated and exported

Electricity (generated)

1,900,858
megawatt hours

Electricity (exported)

1,682,187
megawatt hours

Waste recovered

Bottom ash (aggregate)

519,412 tonnes

The on-site recycling facility uses the ash produced by the energy-from-waste process to make secondary aggregate products for use in road-building and construction, for example.

Metals

92,290 tonnes

The recovered metals are sorted and sent to recycling facilities where they are melted down and reprocessed into new metal products.

Waste disposed

Air pollution control residue

66,860 tonnes

LOCAL ECONOMY

£7,597,048

spent with Suffolk suppliers

- 50 staff
- 6 apprentices
- 3 interns

SAVINGS

363,863 tonnes
fossil fuels

saved by exporting
1,682,187 megawatt hours
of electricity, compared to
natural gas power stations

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 awareness through the work of its dedicated health and safety teams, training courses, safety auditing and the Safety in Mind (SIM) charter.

1

RIDDOR

6

Lost time incidents

84

Personal injuries

33

Damages to property

882

Near hazard / Near miss reported

38,882

Safety in Mind conversations

a proactive discussion to raise health and safety awareness

4,251

Dynamic Risk Assessments

a real-time evaluation of potential hazards and risks during a work activity

BIODIVERSITY

- Self-seeding wildflower Suffolk Wildlife Trust biodiversity survey undertaken
- 1 bug hotel installed on wildflower meadow
- 6 beehives on site, looked after by local beekeepers
- 3 clutches of eggs laid by peregrine falcons in purpose-built nesting box
- 6 chicks fledged

COMMUNITY AND VISITOR CENTRE

- 773 visits, including open days
- 265 education / school / children visits
- 508 adult groups
- 12,351 total visitors
- 91 outreach events
 - ↳ The Suffolk Show
 - ↳ Suffolk Youth Climate conference
 - ↳ Primary school assemblies and lessons
 - ↳ Children's community clubs
 - ↳ Adult outreach talks
 - ↳ Careers events
- 103 colleagues completed a 'Day a year to volunteer'

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 £10,000 to good causes in Suffolk including:
 - ↳ Local schools
 - ↳ Local sports clubs
 - ↳ Home-Start in Suffolk

The SUEZ Communities Fund has donated more than £600,000 to local organisations.