

Sizewell Stakeholder Group

Sizewell B report – March 2025

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1. Safety performance and staffing

Station Safety Performance

We measure our safety performance against top tier indicators, including nuclear reportable events, environmental events, and staff and contract partner recordable injuries.

During the period of the report there have been:

- No recordable injuries
- No nuclear reportable incidents
- No environmental incidents

Staffing at Sizewell B

We currently have 663 EDF staff this includes 13 Visitor Centre staff, 19 Apprentices, 4 Industrial placements, 3 Technical Trainees, 3 Graduates and 300 year-round contracting partners'.

Long Term Operations programme

EDF is fully committed to progressing the work required to extend Sizewell B out to 2055. As well as finalising the technical case, we will be seeking greater cost certainty and confidence in the long term commercial case to enable a final investment decision.

To support this programme of work we have increased our headcount by 10%.

2. Station Performance - Operations

Sizewell B was in outage in October 2024 and returned to generating in December. Since then we have operated at full capacity during this period providing low carbon electricity to over 2.5 million homes.

Sizewell B Refuelling Outage 2024

As planned on Sunday, December 1, the reactor and Turbine Generator 2 synchronised to the grid, followed by Turbine Generator 1 on Thursday, December 4, returning Sizewell B back to full power.

The reactor, which every year generates enough zero-carbon electricity to meet the needs of more than 2.5m homes, was taken offline on 11 October as planned, following a 510 day operating run so that engineers could complete a £75m upgrade and improvement programme and refuel the reactor.

This is the sixth time Sizewell B has achieved continuous generation between planned refuelling outages, termed a breaker-to-breaker run. As of early February the station has generated more than 261TWh (261 billion, billion watt hours) of electricity.

During the outage our site teams completed 15,000 separate pieces of work across 1,500 pieces of our plant. They replaced the rotor system inside one of our turbines, undertook detailed inspections of our

reactor, its system and pipelines and sent divers to our intake pipe, which draws in the water we use in our operations, for inspections.

Outage periods are important for the power station as they give us a chance to look at systems that are difficult, in some cases impossible, to access when we're generating. Because of this work we now have a hugely improved picture of what is happening in our plant and reactor.

Sizewell B plans to extend the station's lifetime out from 2035 to 2055, so understanding what is happening inside all of our systems is vital. The good news is that at this point all of our systems are as we expect. We are confident in the technical case we need to make to extend the life and we are seeking greater cost certainty and confidence in the long-term commercial case to make a final investment decision when we're ready.

Sizewell B's next outage will take place in May 2026.

Sizewell B turns thirty!

It was thirty years ago a tiny corner of Suffolk became one of the nation's most important energy centres.

That's because on February 14, 1995, Sizewell B Nuclear Power Station, the single most productive nuclear reactor the UK has ever operated, synched to the electricity grid for the first time.

Since then the site has generated so much power it could meet the needs of every home in East Anglia for more than 83 years and, according to recent calculations by an independent economic consultancy, has already saved more than 123m tonnes of CO2 emissions going into the atmosphere.

Sizewell B was built between 1987 and 1995 and started supplying power to the grid on Valentine's Day 1995. It is the country's only Pressurised Water Reactor (PWR) and to date has produced 261 terrawatt hours of electricity. Each year it provides around 3% of the UK's electricity needs.

In 2012 the site opened itself to the public with the creation of a visitor centre which co-ordinated public tours demystifying nuclear operations. Since then 120,000 visitors, from school children to pensioner groups, have passed through the gates and seen for themselves the enormous contribution Sizewell B is making to East Anglia and the nation.

EDF bought the site, and the UK nuclear fleet in 2009. Since then it has paid out more than £750m in wages. Recently published research revealed the full scale of the station's impact on employment after economists calculated that every job required to run operations at Sizewell B also directly supports over five others in the power station's UK supply chains.

3. Sizewell B and community news

Relocated facilities update

Work continues to progress well in all areas.

The new training facility internal fit out is in progress as is the installation of the new control room simulator. New administration building external cladding and internal fit out has commenced and the new outage store internal fit out is in progress.

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Construction of the new Visitor Centre commenced in October and is progressing well.

Testing of Sizewell B emergency arrangements

Sizewell B will be testing our emergency arrangements again throughout 2025.

During the tests of our emergency arrangements we will need to sound our internal sirens which you may hear. These are internal sirens for Sizewell B staff only and there is no need for you to take any action. There may also be increased visibility of the emergency services during this time. EDF's Emergency Response vehicles, held at the Emergency Response Centre in Leiston, may also be used during these times.

The exercises to test our emergency arrangements will be carried out on the following dates in 2025:-

- 04 June
- 11 June
- 18 June
- 25 June
- 02 July
- 09 July
- 16 July
- 15 October

Construction of a new land management facility

EDF will be building a new land management facility near the existing Emergency Response Centre (ERC) at Sizewell Halt. The facility will be a single storey building containing office space, a meeting room, storage area, welfare facilities and a maintenance workshop, with associated parking. The facility will be used by EDF's land management team and contractors from Freedom who have been with us for many years.

There will be approximately six people using the facility for general office work and for storage and maintenance of the land management equipment and vehicles, which are used for managing the Sizewell Estate land. The new facility will replace the existing land management base at Upper Abbey Farm.

Work will commence in the coming weeks with plans to complete by the end of 2025. Working hours will be from 07.00 - 17.00 with minimal noise being generated before 08.00 and no weekend working.

Amenity and Accessibility fund 2025 - open for applications

The Amenity and Accessibility Fund aims to improve the environment and natural character of the area by conserving habitats and species and improving sustainable access to the area.

The annual grants scheme funded by EDF opens for applications in December 2024 and closes on March 3 2025.

Projects for this grant must run between April 2025 - March 2026.

For information and advice about the Amenity and Accessibility Fund please contact Oka Last at Suffolk & Essex Coast & Heaths National Landscape for an informal discussion, on 01473 265558 or email grants@suffolkandessex-NL.org.uk

4. Company News

The Economic Impact of Sizewell B nuclear power station

A new report published (27 January 2025) by outlines the significant contribution that nuclear energy has made to economic growth in the UK over the last five decades.

The report, by independent consultants, Economic Insight, looks at the economic impact of the current EDF fleet of eight nuclear power stations during their operational lives and shows that since 1995, Sizewell B has:

- Contributed more than £15.5 billion to the UK economy
- Supported more than 2,700 jobs a year during generation
- Avoided 123 million tonnes of carbon so far, which is like taking every car off the UK's roads for almost 2 years.

This is the first time the economic impact of the operating phase of the fleet has been analysed in this way and the results clearly show the significant contribution that nuclear power has made to tens of thousands of livelihoods across the UK.

The report also shows that over 90% of supply chain expenditure was with UK businesses during operations. In total, the fleet has made a contribution to the UK economy of £123 billion since 1976. With five stations across the UK still generating, and hundreds still employed at our decommissioning sites, this figure will continue to grow.

EDF also published the [annual fleet stakeholder update](#), which outlines the performance of the fleet over the past year and future plans.

The update shows that output from the nuclear fleet stayed steady in 2024 at 37.3TWh with an ambition to maintain that level until at least 2027. Taxes of over £1billion were paid, including over £400million through the new Electricity Generator Levy.

In 2024, EDF also confirmed life extensions for the four generating AGR stations and made significant progress in delivering on its defueling contract with the UK Government. Heysham 2 (Lancashire) and Torness (East Lothian) will keep producing zero-carbon electricity for an additional two years to March 2030 while Heysham 1 (Lancashire) and Hartlepool (Teesside) will produce power until March 2027, an extension of one year.

Contacts:

Niki Rousseau, Community Relations
Tel: 01728 653258
E-mail: niki.rousseau@edf-energy.com