

Helping Britain

Net Zero

to Achieve

Monthly Newsletter September & October 2023

Station safety performance and operations

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 injury
- No nuclear reportable incidents
- No environmental incidents

Sizewell B has operated at around full capacity during this period providing low carbon electricity to over 2 million homes.

Please click on the link below for a daily update of the status of our nuclear power stations. The link will show which nuclear reactors are in service and what they were generating at the time the information was updated. You can also see which reactors are out of service, what the reasons are and when we expect them to return to service. In addition, we have included the expected timing of the next statutory outage of each nuclear reactor. <http://www.edfenergy.com/energy/power-station/daily-statuses>

Staffing at Sizewell B

We currently have 572 EDF staff this includes 18 Apprentices, 2 Industrial placements, 2 Technical Trainees and 11 Visitor Centre staff and 250 year round contracting partner's.

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 will be increasing our headcount by 10% and work is progressing well with preparations and planning to date.

Sizewell B refuelling outage

Sizewell B will be brought offline on 06 October 2024 to begin its nineteenth refuelling and maintenance outage, as planned - expected to last 60 days.



World Association Nuclear Operators peer review

During October an international team from WANO (World Association Nuclear Operator) joined Sizewell B for a 3 week Peer review.

Peer reviews help members compare themselves against standards of excellence through an in-depth, objective review of their operations by an independent team from outside their organisation.



Sizewell B and the Community

Relocated facilities update

Sizewell B relocated facilities project has reached a milestone as the installation of the steelwork structure of the new training facility is completed. The six week program of works carried out by Norfolk based company Wall Engineering, working for Barnes construction.

Work to enhance the station access road is now complete and the western approach road, which leads to staff parking, Training Facilities and Visitor Centre, is now fully operational.

Concrete foundation pours for the new administration building is complete and installation of the steel framework has commenced, due to complete early 2024.

Negotiations for utilisation of land within Sizewell A in preference to Pill Box Field, are progressing well and EDF is close to being able to secure the land. In the meantime NDA have commenced the statutory de-designation process which is an important part of the transaction's critical path. (de-designation is a process required by statute to remove the land from its decommissioning designation.)

EDF are working with Magnox to re-licence the land.





Sean Verrall - Sizewell B Technical & Safety Manager opening new western approach road

Construction of new land management facility near the Emergency Response Centre, Sizewell Halt

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 story building containing office space, a meeting room, storage area, welfare facilities and a maintenance workshop, with parking. The facility will be used by EDF's land management team and contractors from Freedom who have been with us for many years.

The new building is to be constructed with functionality and sustainability at the forefront of its design. It is proposed to be a timber frame structure to the office element of the building with steel frame portal to the rear. It will be timber clad with a sedum (living green) roof. Eco-friendly fixtures and fittings will be installed with emphasis on providing heating and hot water efficiently.

Subject to the contractor appointment process, construction of the facility is currently scheduled for Spring 2024.

Supporting our local community



Before

After

At the request of the Warden's Trust, Sizewell B in partnership with Dalkia provided the resources and materials to fill some pot holes along the Warden's Trust approach road.



New Apprentice Intake

At the beginning of September our newly recruited Year 1 Apprentices headed up to Eskdale in Cumbria to take part in an Outward Bound Centre as part of their EDF introduction and team building experience week.

This proved to be a very exciting and enjoyable experience. They all learnt a great deal about their own skills, personal strengths, resilience and their ability to work with others. The weather was even kind to them as well.

They then travelled to Cannington, Somerset for their first day at the National College for Nuclear to begin their 4yr Maintenance & Engineering Apprenticeship program.



Year 1 new Apprentice intake at the National College for Nuclear in Somerset and Cumbria on outward bound week

Company News

Sizewell C to power desalination plant with clean electricity

Sizewell C aims to power its water desalination plant with zero carbon electricity from Sizewell B in a further move to make construction of the nuclear plant in Suffolk as green as possible.

The temporary desalination facility will ensure the Sizewell C project has the water it needs until a new water main provides a permanent supply in the early 2030s.

Desalination will become an important future technology in the UK as the effects of climate change put greater strain on water supplies in rivers & reservoirs.

To reduce the impact of the plant on the local environment, Sizewell C is in discussions with Sizewell B to agree a supply of zero carbon electricity from the neighbouring power station. This will reduce the need to run the desalination plant using electricity from the grid or from generators and will help reduce the amount of carbon emissions produced during construction.

The project is continuing its discussions with the region's water companies about building a mains pipeline to provide the power station with a permanent water supply.

This new supply will provide more water than Sizewell C needs to operate so it will benefit other users in the community.

Sizewell C is proposing a series of other measures to reduce carbon emissions during and after construction of the power station.



These include operating a fleet of hydrogen buses to take thousands of workers to and from the main development site near Leiston. The project recently announced the purchase of four buses from Wrightbus in Ballymena as part of pilot project to test the vehicles.

Sizewell C is also developing a Direct Air Capture facility in Lowestoft which will extract carbon dioxide from the atmosphere.

The new nuclear power station is already set to be one of the biggest Net Zero projects in the UK. Using a water supply powered by zero carbon electricity means Sizewell C can go even further in developing the clean technologies of tomorrow.

Defueling success as first reactor fuel free at Hunterston B in Scotland

A key milestone has been successfully met in the first phase of decommissioning the UK's fleet of seven Advanced Gas-cooled Reactor (AGR) nuclear power stations.

The defueling of the first reactor at Hunterston B has been completed, on time and on budget. Reactor 3, as it is known, was defueled in 16 months with work due to start shortly on the station's second reactor.

The aim is to have the second reactor defueled and all spent fuel sent to Sellafield by mid-2025, prior to transfer of site ownership to the Nuclear Decommissioning Authority (NDA) in 2026. The NDA's subsidiary, Magnox, is accountable for the long-term decommissioning of the AGRs and EDF is working closely with them on plans for the seamless transfer of Hunterston B in a timely manner.

The AGR stations are currently forecast to stop generating in 2028, though EDF will continue to review lifetimes to ensure the four generating stations can continue to support the UK's energy security for as long as it is safe and commercially viable to do so.

Over the last 50 years, the seven AGR power stations have generated more than 1,800TWh of zero carbon electricity, enough to power every UK home for more than 16 years. The carbon avoided by using nuclear instead of gas stations is equal to nine years of UK car emissions. Tens of thousands of jobs have been supported and communities across the UK have benefitted.

Next local community meeting

The next Sizewell A and B Site Stakeholder Group meeting will take place on **Wednesday 17 January 2024** at Sizewell Sports & Social Club, Leiston. For further information please follow the link on the [Magnox website](#).

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