

Sizewell B power station

Monthly Newsletter Issue 608

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Introduction

We are keen to hear the views of our local communities. We recognise that good communication is a two-way process and we welcome your feedback and comments. These reports are available to all members of the public on www.edfenergy.com.

Whilst we will do our best to always use plain English, talking about our business sometimes involves specific terminology, and you will find a glossary of any terms used at the end of each monthly report.

Safety

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 injuries to employees
- No nuclear reportable incidents
- No environmental incidents

Station output

Sizewell B delivers world class performance

Sizewell B nuclear power station has produced over 200 billion units (kilowatt hours) of low carbon electricity since the start of operation in February 1995.

This milestone is the equivalent to powering 50 million homes in the UK for one full year and saving 70million tonnes of Co2 emissions, the equivalent of taking all cars in the UK off the road for a year.

Refuelling and maintenance at Sizewell B

On Friday 03 November Sizewell B power station was brought offline after 504 back to back days of safe, reliable operation to begin its fifteenth refuelling and maintenance outage, as planned.

This is a significant event for the station as it marks a consecutive 'breaker to breaker' run. This means that Sizewell B has safely operated the reactor continuously, since connecting to the grid following the last refuelling outage. It is the fourth 'breaker to breaker' run in the station's history, 471 days in 2006 and 516 days in 2008 and 499 days in 2016.

This £60m investment will see an additional 1,000 specialist workers join the station's 550 employees to carry out the work.

EDF Energy's investment in the UK's nuclear power stations has resulted in improved performance and an output that is now 60% higher than a decade ago.



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Mark Gorry, EDF Energy's Chief Nuclear Officer, said: "The Sizewell B team continue to deliver world class safety and operational results, providing much needed reliable, low carbon electricity for the UK. This latest operational run of 504 days was supported by targeted investment and excellent teamwork and saw the station complete a major milestone of having produced 200 billion units of electricity since commissioning."

The station is brought offline every 18 months for this work to take place. A third of the fuel is replaced in the reactor and thousands of maintenance jobs are completed during the 6 week period. Preparation work for the outage begins at least two years ahead of refuelling the reactor as part of a ten year strategic outage plan for the station.

During the outage period, which is expected to last about 5 weeks, they will carry out over 10,000 separate pieces of work which have been carefully planned during the last two years.

As well as refuelling the reactor, we will also deliver major investment and routine maintenance work during the outage:-

- Turbine 1 routine maintenance and upgrade of Turbine 1 monitoring systems
- Overhaul of one of four Main Cooling Water pumps
- Replacement of a reactor building cooler fan motor

Contracts have been awarded to dozens of UK firms to assist with the work taking place. In Suffolk and Norfolk companies such as Tecflo in Great Yarmouth, J.T. Pegg & Sons in Aldeburgh and LEC Marine in Lowestoft, will once again join Sizewell B employees to complete work at the power station.

Refuelling outages are always busy periods for us and for the area, we aim to minimise the impact to the local community wherever possible.

Please click on the link below that provides a daily update of the status of our eight 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>

Company news

Vincent de Rivaz CBE has stepped down as Chief Executive Officer of EDF Energy after nearly 16 years in charge, and he has been succeeded by Simone Rossi.

Simone was until recently Senior Vice President of EDF's International Division based in Paris, after serving in London as Chief Financial Officer of EDF Energy from 2011 to 2015.

EDF Group Chairman and Chief Executive Officer Jean-Bernard Levy said: "I thank Vincent warmly for his outstanding contribution to EDF throughout his remarkable career.

"Under his leadership, EDF Energy has grown to be the UK's largest generator of electricity, supplying more than 65TWh of low carbon nuclear electricity in 2016. The landmark Hinkley Point C project is now fully under way, and Vincent leaves the company in a strong position for future success.

"Under Simone's leadership, EDF Energy will be tackling some of the most significant opportunities and challenges associated with assuring Great Britain's future needs for energy in the low carbon economy."



Vincent toured each of EDF Energy's sites to bid farewell to staff, and during his visit to Heysham power station Vincent announced that the Visitor Centres across the country had now reached 500,000 interactions with the public.

Sizewell B and the Community

Energy at the Suffolk Skills Show

Sizewell B apprentices inspired future engineers and scientists at the annual Suffolk Skills Show. EDF Energy attended the popular event held at Trinity Park, Ipswich, in October.



Glen Bunting Sizewell B apprentice

The Suffolk Skills Show is a great chance for students to meet nuclear apprentices working at Sizewell B and to find out more about the range of careers on offer in the energy industry.

Students were also able to have a go at building a reactor using virtual reality kits.

Search starts for 2018's apprentice intake

EDF Energy has started its search for 2018's apprentices who will join the company next September.

The closure date for applications is early in January 2018, when successful applicants will first take tests, followed by interviews and then join an assessment centre before the final selection is made.



Sizewell B Visitor Centre will be hosting an Apprentice Information Day on Saturday 09 December. Arrival from 09:30hrs for 10:30hrs presentation. Please register in advance by contacting the Sizewell B Visitor Centre on 01728 653974 or email: Sizewellbtours@edf-energy.com

Applications for the apprentice programme are open now until 15 January 2018, through the EDF Energy careers website. <http://www.edfenergy.com/careers/>

Next local community meeting

The next Sizewell Stakeholder Group meeting will take place on Thursday 14 December 2017 at 09.30am, Aldeburgh Community Centre. Any member of the public is welcome to attend.

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If you would like to receive this newsletter via e-mail please contact Niki at the above address.

Term	Definition
Nuclear reportable event or incident	Nuclear reportable events are events reported to the Office for Nuclear Regulation in compliance with EDF Energy's nuclear site licences.
Lost time injury	Lost Time Injury is an absence of one day or more resulting from an injury incurred during an accident - generally in UK industry a less stringent three day or more criteria is used.
Environmental event or incident	Environmental events arise from wastes or discharges above permitted levels or breaches of permitted conditions.
Outage	A period during which a reactor is shut down. The periodic shutdown of a reactor including for maintenance, inspection and testing or, in some cases for refuelling is known as a planned outage. In the UK, some planned outages are known as statutory outages and are required by the conditions attached to the nuclear site licence needed to operate the station. Unscheduled shutdown of a reactor for a period is known as an unplanned outage.
Unit	A unit refers to one of the reactors at the power station and its generating turbine