

Sizewell B power station

Monthly Newsletter Issue 591

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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

During the period of the report there have been:

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

Station output

On Friday 15 April, Sizewell B power station was brought offline to begin its fourteenth refuelling and maintenance outage, as planned.

The reactor and Turbine 1 at the power station were resynchronised to the national grid at 01:20 hrs, Friday 17 June 2016 and Turbine 2 is progressing well and is planned to be brought back on line later that day, returning the station to generating at full capacity.

An additional 1,500 specialist workers joined the station's 550 employees to complete the work which included major projects such as replacing the low pressure rotor on a turbine generator.

Inside the Sizewell dome the 10 year routine inspection of the reactor pressure vessel (RPV) was completed and all four steam generators examined. Specialist robotic equipment controlled by skilled engineers was used to complete this work.

Contracts were 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, once again joined Sizewell B employees to complete work at the power station.

The start of the refuelling outage marked 499 days of uninterrupted power supply generated by the station. That's a great achievement only made possible by teamwork at the station and investment by the company. EDF Energy's investment in its nuclear stations has helped them deliver a remarkable performance. Last year Sizewell B achieved a UK nuclear industry record for any one station with 100% availability delivering 10.5TWh of electricity, enough to power 2.6m homes for a year.

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



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Media reports regarding Areva's Creusot Forge in France

EDF Energy can confirm that its Sizewell B nuclear power station in Suffolk is not affected by issues under investigation at Areva's Creusot forge in France.

The company has already said that these issues were not relevant for its seven Advanced Gas-Cooled Reactor nuclear power stations.

This conclusion follows EDF Energy's own inspections and independent quality checks on its Sizewell B plant in Suffolk during the plant's current period of planned maintenance and inspection. In addition Areva has now confirmed that no parts under investigation were supplied to EDF Energy in the UK. This includes parts manufactured for the proposed Hinkley Point C nuclear power station. As is normal, EDF Energy will independently continue to inspect and monitor all parts made for Hinkley Point C before they are used in the power station's construction.

The UK's independent regulator, the Office for Nuclear Regulation has given consent for Sizewell B to return to service which is the normal procedure following an outage.

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

EDF Energy raises more than £965,000 for Marie Curie

EDF Energy is celebrating raising almost £1million for Marie Curie as its partnership with the charity comes to an end.

Employees have undertaken hundreds of activities, from hosting tea parties and bake sales across its 30 sites, to climbing Kilimanjaro and cycling the length of Great Britain.

Sizewell B employees raised over £27,000 for Marie Curie. Power station employees Hazel Culshaw and Lana Challis raised a staggering £18,230 by climbing Mount Kilimanjaro for the charity. The pair embarked on the 10 day trek in February 2015 which included six days trekking, taking in some of Tanzania's most spectacular sights before reaching the mountain's peak at 5895metres.

After exceeding the initial three-year fundraising target of £300,000 in just over a year, staff at EDF Energy went on to raise more than £665,000 for the charity. The company boosted the total raised by employees with £100,000 each year of the partnership taking the final amount to more than £965,000.

All the funds raised from the partnership will help Marie Curie Nurses provide more care to people with terminal illnesses in their own homes and in the charity's nine hospices.

Sizewell B and the Community

Sizewell B encourages girls to 'be your selfie' and not rule science out

A group of Suffolk schoolgirls have taken part in a national workshop called 'People like me' which has been designed to encourage more females into science.

The 11-14 year old science students from Saint Felix School in Southwold took part in the workshop in May at the Sizewell B visitor centre.

EDF Energy held the workshop as the company relies on a talented STEM (science, technology, engineering and maths) workforce to run its power stations and wants to inspire more girls to think about studying in this area and consider a future career in this field.

The special event was developed by Women in Science and Engineering (WISE), a national organisation campaigning to encourage more females into STEM subjects. The session was designed to encourage the girls to think about their aptitudes and personality type and their preferred ways of working. They then explored a range of roles which 'people like me' are successful and happy in. They were able to draw inspiration from case studies of successful female engineers and scientists at Sizewell B.

This event was well timed as EDF Energy also celebrates Diversity & Inclusion this week. With events across the company marking how a diverse and inclusive workforce leads to innovative ideas, better decision making, increased productivity, greater efficiency and improved well-being of all employees.



People Like Me has been developed by WISE to help show girls that people like them find jobs they love using science and maths. The aim is to encourage more girls to stick with science and/or maths post 16. Before completing the workshop Sizewell B STEM ambassadors carried out a WISE training session organised by Connect Education and Business, a charity that works in partnership with business, education and public sector leaders to ensure young people have access to high quality work related learning experiences at critical stages in their education.

EDF Energy is proud to be a member of WISE as the organisation shares the same ethos as us which is to inspire girls and women to study and build careers using science, technology, engineering and maths (STEM). Last year, EDF Energy launched #PrettyCurious, a long term programme to encourage more teenage girls to study STEM. The programme aims to give girls hands-on experiences and provide them with opportunities to learn about the wide range of careers available in STEM.

WISE was established in 1984 following the Finnieston Report on the future of engineering in the UK. The report emphasised the need for a broad talent pool of scientists and engineers. Since then it has helped a huge number of individuals, organisations and businesses, and contributed to a wide range of campaigns to raise the profile of women and girls in STEM.

Communities Benefit from Amenity & Accessibility Funding

Seven communities will benefit from almost £20,000 of Amenity & Accessibility Funding in the next year towards family, wildlife and visitor projects that will focus on the amenity and access of the coastal area between the rivers Deben and Blythe.

These local projects will promote access and use of the Suffolk Coast & Heaths Area of Outstanding Natural Beauty, thanks to EDF Energy. The awards have been made possible through the Amenity and Accessibility Fund which was established by Sizewell B in connection with the Dry Fuel Store project which was inaugurated in March.

Around Hollesley there will be a walking guide produced with twenty walks encouraging everyone to get out and enjoy the outstanding landscape around the River Deben, while at Sutton Heath the special Dog Run area



will be enhanced so that dogs can enjoy a 'mad' run around before going on the lead in the nature reserve areas. Young children with autism will be able to engage with nature using a colouring book based on the Alex & Rosie story of the visits the two make to a variety of reserves on the coast.

Two projects will focus specifically on conserving wildlife and their habitats. At Dingle Marshes Suffolk Wildlife Trust will replace the sluice to safeguard the internationally important freshwater habitat from saline inundation and therefore benefit a wide range of wildlife; and the Suffolk Otter Project, after a successful project in 2015 on the Alde & Ore and Minsmere Old River, is expanding its support of the otter population to the River Blythe.

Suffolk Coast & Heaths Area of Outstanding Natural Beauty (AONB) is the fund advisor and full details of the projects awarded funding can be seen on the AONB website www.suffolkcoastandheaths.org/grants-and-funding

Next local community meeting

The next Sizewell Stakeholder Group meeting will take place on Thursday 08 September 2016, at 10:00 hrs at the Sizewell Sports and Social Club. Any member of the public is welcome to attend.

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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