

Sizewell B power station

Monthly Newsletter Issue 599

January 2017

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

The station has operated at around full power during this period.

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

First Minister opens new EDF Energy centre in Edinburgh

First Minister Nicola Sturgeon has opened a new centre for EDF Energy Renewables in Edinburgh which will support the company's ambitious growth plans in Scotland.

During the opening ceremony, EDF Energy's CEO Vincent de Rivaz signed the Scottish Business Pledge, the Scottish Government initiative to boost productivity, competitiveness and the involvement of workers in businesses.



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He also announced a new three-year partnership with Edinburgh International Science Festival as part of the company's wider programme to inspire Scottish youngsters to take up careers in science and technology and to boost skills and education.

EDF Energy is Scotland's largest generator of low carbon electricity, producing 40% of the country's electricity, employing more than 1,300 people and supplying Scotland's local authorities, schools, public buildings and hospitals.

Generic Design Assessment process starts for UK HPR1000 nuclear technology

The Department of Business, Energy & Industrial Strategy (BEIS) has confirmed that the nuclear regulators have been asked to begin the Generic Design Assessment (GDA) for the UK HPR1000 nuclear technology.

This marks a first step in the robust and thorough process to seek permission to build a nuclear power station at Bradwell in Essex.

China General Nuclear Power Corporation (CGN) and EDF had submitted a joint application through their joint venture company GNS (General Nuclear System Ltd) to BEIS in October 2016 to begin the GDA process for a UK version of the HPR1000 nuclear technology.

The reference plant for the design is CGN's Fangchenggang Plant Unit 3 in China which is under construction and on schedule.

Sizewell C Stage 2 consultation closes with more to come

More than 3,500 people have taken part in Stage 2 of the Sizewell C public consultation which ended on Feb 3 after ten weeks of events, exhibitions and meetings.

There have been 70 events held in churches, community centres, offices, village and town halls across the county and the Sizewell C team has worked alongside organisations such as the Rural Coffee Caravan project to ensure even the smallest communities were reached.

Planning Aid England has also helped 14 parish councils submit their responses to proposals for Sizewell C with funding from EDF Energy to provide independent and free guidance and advice to local parish and town councils during this consultation.

Each issue raised will now be considered and recorded. The feedback will be analysed and used to help EDF Energy develop final proposals which will be subject to further consultation.

Jim Crawford, Sizewell C project development director said: "I would like to thank the local communities across East Suffolk for taking part in this latest round of public consultation for Sizewell C. We will now take the time necessary to fully consider all the feedback we have received, in order to shape the proposals we will develop for further public consultation. This will be a detailed process and shows our commitment to genuine consultation and listening to our stakeholders."

Stage 2 consultation followed the signing of contracts for EDF Energy's Hinkley Point C power station in Somerset on 29 September 2016. EDF Energy pledged to launch Stage 2 consultation for the proposed new power station in Suffolk as soon as possible after contracts were reached on Hinkley Point C.

EDF Energy is committed to maximising the benefits of the project for Suffolk whilst minimising the potential impact. Sizewell C would comprise of two EPR nuclear reactors which would make a major contribution to the nation's future needs for reliable low carbon energy, supplying enough electricity for around 6 million homes in Britain, meeting 7% of the nation's future needs. The power station would provide 5,600 jobs on-site during the core construction period and employment for 900 people when operational.

Sizewell B and the Community

Suffolk students rise to energy challenge

EDF Energy is supporting a group of 25 school girls from Suffolk who have taken up a challenge set by the Engineering Development Trust to reduce energy usage at school.

Schools from Lowestoft, Ipswich, Leiston and Beccles are taking part in the project to inspire girls to study science and increase the connection between their studies and potential future careers.



The launch event was held at the Sizewell B visitor centre where the girls got to meet engineering apprentices from the power station. The Sizewell B apprentices will mentor the 13-14 year old girls throughout the 10 week project and provide advice and guidance as they develop their ideas on how they could cut down on energy use at their school.

The launch event at Sizewell B follows a new report published by the Social Market Foundation which found that science and tech jobs will grow twice as fast as other occupations.

The study; 'Jobs of the Future', released on 18 January reveals that science, research, engineering and technology jobs will grow at double the rate of other occupations creating 142,000 extra jobs between now and 2023. This is the year girls, such as those involved in the energy saving project for schools in Suffolk, currently choosing their GCSEs are expected to start entering the workplace.

EDF Energy has good links with schools in the region and hosted a series of science, technology, engineering and maths (STEM) workshops for 400 12-13-year-old girls at Trinity Park in Ipswich in November, as part of the 'Pretty Curious' programme and the study from the Social Market Foundation (SMF) was commissioned by EDF Energy, as part of this programme to inspire more girls to consider science and technology careers.

EDF Energy has also launched a new virtual reality film to help girls see successful women at work in Science, Technology, Engineering and Maths (STEM) related careers.

The pace of digital innovation and scale of UK infrastructure investment means that there are huge opportunities for careers in STEM subjects. However, just one in five people working in STEM today in the UK is a woman and the number of young women studying these subjects at further education remains consistently below boys.

Next local community meeting

The next Sizewell Stakeholder Group meeting will take place on 16 March 2017, at 09:30 hrs, at 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