

Site Stakeholder Group

Sizewell B Report – March 2017



Station Director's Report – March 2017

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 has been:

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

Staffing at Sizewell B

We currently have 528 EDF Energy staff; this includes 18 apprentices and 250 year round contracting partners.

2. Generation

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>

3. Company Update

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.

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.

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.

4. Sizewell B and community news

Dry Fuel Store – First Campaign in progress

Following acceptance of the safety case by the regulator, a Licence Instrument has been issued permitting the movement of nuclear fuel into the Sizewell B Dry Storage Facility.

The safety case includes substantiation for operation, new buildings and associated services, implementation of supporting modifications, inactive and active commissioning. With the approved safety case we are now authorised to use the Dry Fuel Store Facility.

The building and casks are passively cooled (i.e. no external power supplies are required) and the building can store 143 storage casks which is sufficient storage capacity to cover the anticipated operating lifetime of the power station. The facility is a mature technology, in use in various countries around the world.

Sizewell B Refuelling Outage 2017

Sizewell B power station will be brought offline in November 2017 to begin its fifteenth refuelling and maintenance outage, as planned.

An extra 1,000 specialist workers will join the Sizewell workforce and provide a boost to the area's hotels and businesses. During the approx five week period 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 1 of 4 Main Cooling Water pumps
- Replacement of a reactor building cooler

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

Sizewell B Relocated Facilities update

In October 2016 Sizewell B submitted an environmental scoping report to Suffolk Coastal District Council as part of the process of assessing proposals to relocate some non-nuclear buildings around the power station. Following consulting key bodies, a Scoping Opinion has now been received which will inform the environmental impact assessment carried out for the proposed works.

Sizewell B will liaise with stakeholders and consult with the local community on the proposals and carry out further technical and environmental assessment ahead of submitting a planning application, there is no fixed timetable for the consultation on relocated facilities at this stage. The planning application would identify any significant adverse impacts as well as any measures needed to mitigate those impacts.

The proposed facilities would include a new Sizewell Visitor Centre as well as replacement offices, storage, workshops, welfare, training and parking facilities; the new facilities would be established before the existing buildings are removed.

The existing facilities are currently on land identified for the proposed Sizewell C development. Relocating the buildings within the Sizewell B estate will provide the opportunity to build a permanent Visitor Centre covering both the existing station and the proposed Sizewell C.

Suffolk students rise to energy challenge

Sizewell B 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 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. This was part of EDF Energy's 'Pretty Curious' ongoing 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.

As part of our Pretty Curious programme, we've partnered with Twentieth Century Fox and offered tickets to the preview screenings of the Oscar nominated Hidden Figures film. Hidden Figures tells the incredible untold story of Katherine Johnson, Dorothy Vaughan and Mary Jackson - brilliant African-American women working at NASA who helped the launch of astronaut John Glenn into orbit.

Hidden Figures is a story that many young women in the UK might not be familiar with, but one that we are keen to promote as it demonstrates just some of the incredible opportunities that women who work and excel in STEM can have.

Sizewell B Sponsorships and Donations Fund

The Sizewell B Sponsorships and Donations fund, £10k per year, has awarded the following grants so far in 2017:

Summaries of Projects awarded to date totalling £5,700

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| • Leiston Film Theatre – pantomime | £750 |
| • Leiston Town Football club, pitch advertising | £500 |
| • Leiston Town Council – Sizewell village sign | £750 |
| • The Rotary Club Saxmundham, Heritage Coast run | £500 |
| • Yoxford Two Charities, Grand Summer Fete | £100 |
| • Rendham Fete | £100 |
| • Tunstall Bowls Club | £50 |
| • Aldeburgh Carnival, prizes for float procession | £500 |
| • Long Shop Museum, leaflet production | £1,000 |
| • Leiston Children's Centre Defibrillator Appeal | £250 |
| • Aldeburgh & Thorpeness Rugby club, kitchen and toilet renovation | £1,000 |

Application forms are available from niki.rousseau@edf-energy.com

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