

Site Stakeholder Group

Sizewell B Report – June 2016



Station Director's Report - June 2016

1. Safety performance and staffing

Station Safety Performance

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 522 EDF Energy staff, 23 Apprentices and 250 year round contracting partners.

2. Generation

Operational output

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

The start of the refuelling outage is a significant event to the station as it marks 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.

The biggest projects include the planned 10 year inspection of the Reactor Pressure Vessel (RPV). In addition to this work as well as refuelling the reactor, we will also deliver major investment and routine maintenance work during the outage.

Contracts have been awarded to a number of UK firms to assist with the work taking place. In Suffolk and Norfolk companies such as H W Webb Engineering from Woodton near Bungay, 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>

3. Company Update

Media reports regarding Areva's Creusot Forge in France

Nuclear safety is EDF Energy's overriding priority and the company is reviewing the issues associated with Areva's Creusot Forge. No affected components have been identified as being used within EDF Energy and all necessary quality control

checks have been completed for its Sizewell B power plant and Hinkley Point C project. The issues at Areva's Creusot Forge are not relevant for EDF Energy's seven Advanced Gas-Cooled Reactor nuclear power stations.

Sizewell B is currently undergoing routine maintenance and inspections. As part of normal practice for all nuclear stations before they are switched back on after maintenance, the Office for Nuclear Regulation will give its consent for the station to return to service.

Statement on EDF Board of Directors' meeting

Confirmation of the significant recapitalisation of EDF agreed by the Board makes it possible for EDF to proceed with its strategic investment programme - including Hinkley Point C.

The Board has decided to undertake a formal, non-binding consultation process with the Comité Central d'Entreprise. This is well understood statutory process of 60 days and the company will work with the CCE to define the detailed steps to reach a conclusion this summer.

The announcement underlines EDF's solid commitment to its CAP 2030 strategy including the Hinkley Point C project and has provided it with a solid financial footing notwithstanding the challenges of current market conditions.

4. Sizewell B and community news

Sizewell B Refuelling Outage 2016

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

The biggest projects include the planned 10 year inspection of the Reactor Pressure Vessel (RPV) and all four steam generators, which is progressing well. Specialist robotic equipment controlled by skilled engineers is being used to complete this work.

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

- RPV Upper Internals inspections
- Internal inspections and cleaning of all 4 Steam Generators
- Installation of in RPV samples for future inspections
- Reactor Coolant Pump motor and internals replacement
- Turbine Generator 1 Generator rotor and exciter refurbishment
- Turbine Generator 2 low pressure rotor exchange and inspection and overhaul of 5 x Governor valves
- Generator Transformer 2 three phase exchange
- Overhaul of 1 of 4 Main Cooling Water pumps

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 dry fuel store opening event

On 31 March EDF Energy CEO Vincent de Rivaz inaugurated the dry fuel storage facility at Sizewell B with Holtec's President and Chief Executive Officer, Dr Kris Singh and Suffolk Coastal MP Therese Coffey.

The dry fuel store dry store will allow the continued safe operation of Sizewell B to at least 2035 and with the possibility of a further 20 year life extension.

It is another example of the investments being made in EDF Energy's eight existing nuclear power stations. It follows the announcement last month to safely extend the expected closure dates of the four nuclear power stations at Heysham 1 and

2, Hartlepool and Torness.

A dry fuel store is a method of storing spent nuclear fuel that has already been cooled in the spent fuel pond. The fuel is loaded into a metal canister which is then welded shut, and then placed within a large, leak-tight steel and concrete cask. Dry Fuel Stores are used widely across the USA and Europe but this facility is the first in the UK. Holtec International, a world leader in dry fuel store technology is EDF Energy's lead supplier for the project.

With initial testing now complete the dry fuel store is being prepared to take its first delivery of spent fuel and enter active commissioning.

The £200million project has been paid for by the independent Nuclear Liabilities Fund which was established to cover the costs of decommissioning. The dry fuel store will safely house spent fuel from Sizewell B from autumn 2016 onwards until a Geological Disposal Facility is available for the longer term storage of spent fuel.

Successful completion of the new dry fuel store means Sizewell B can continue producing reliable low carbon power to supply 2.6million British homes until at least 2035 and potentially for a further 20 years subject to life extension.

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

Summaries of Projects Awarded Funding 2016-2017, 7 Projects totalling £19,321:-

- Hollesley Village Voices - 20 Deben Walks (Woodbridge, Felixstowe, Orford) - £1,011
- Sparrowhawk Leisure Limited/RSPB - Relight my fire - Feeling better by being outdoors - £2,140
- Broxtead Estate with Farming, Wildlife Advisory Group (FWAG) support - Sutton Heath Dog Exercise Area - £4,222
- Autism and Nature - Alex and Rosie Colouring Book - £3,344
- Suffolk Wildlife Trust - Protecting Dingle Marshes - £4,000
- Wild Adventures under Suffolk Skies - Suffolk Bollerwagen - Pull yourself together! - £2,000
- Suffolk Mammal Group (with Stanny Environment Group) - Suffolk Coast Otter Project (Phase 2) - £2,600

Sizewell B and Galloper Wind Farm Limited launch community fund

A new community fund has launched in Suffolk thanks to Sizewell B and Galloper Offshore Wind Farm.

The Leiston and Sizewell Community Fund will be distributed over a seven year period. Over £85,000 will be made

available for community projects in a 10km radius of Sizewell. Applications are welcome throughout the year.

The new fund has been established as a thank you from the wind farm developers and as a condition for their use of EDF Energy's land for essential substation equipment for the project.

The community fund aims to support a wide range of community projects, such as those which -

- Support local solutions to meet local needs
- Promote community interaction
- Develop sustainable and supportive communities
- Tackle disadvantage
- Promote health and wellbeing
- Support education
- To fund not for profit organisations and local charities – preference given to less than £100k turnover

The fund will be administered by Sizewell B and allocated by a committee formed by representatives from Sizewell B, Galloper Offshore Wind Farm and Community Action Suffolk.

Christine Abraham Director of Community Services from Community Action Suffolk said: "The announcement of this new grant programme is fantastic news for local community groups and organisations in the Leiston area. There is already inspiring work happening in and around the town, and I look forward to seeing the range of new activities that will be delivered with the support of this funding."

Application forms are available from niki.rousseau@edf-energy.com www.edfenergy.com/energy/power-stations/sizewell-b

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 11-14year 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 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. WISE Chief Executive, Helen Wollaston, said: "This is a great example of industry working with schools to show girls the fantastic opportunities available in STEM."

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 Finniston 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.

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