

Site Stakeholder Group

Sizewell B Report - Sept 2014



Station Director's Report - September 2014

1. Safety performance and staffing

Station Safety Performance and staffing numbers

During the period of the report there has been:

- No Lost Time Injuries
- No environmental incidents
- No nuclear reportable incidents

We currently have **528** EDF Energy staff, **37** Apprentices and **250** year round contracting partners.

2. Generation

Operational update

Sizewell B power station came offline for planned maintenance work on 26 July to allow engineers to top up oil which lubricates bearings on one of the four reactor coolant pump motors. The decision was taken to bring the station offline so we could carry out this work ahead of the next refuelling outage in October.

This is the second occasion we have brought the station offline this year to top up the oil on this reactor coolant pump motor. Loss of oil on this design of motor is a known issue amongst the large community of end users, and is something that is being proactively managed on a global scale. Effective management and monitoring means the oil losses do not affect the safe operation of the equipment or the station.

The additional state of the art monitoring equipment we installed during the last re-fuelling outage has enabled us to remotely view the motors so we can carefully study the oil usage. We are working closely with specialists in this area within EDF and have developed an upgraded seal which will address the issue in the long term.

The station was returned back to service at 2.50am on 27 July and has operated at around full power since that 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/about-us/energy-generation/nuclear-plant-status.shtml>

3. Company Update

EDF Energy launches Blue+Fixed Prepay October 2016

EDF Energy has announced the launch of Blue+Fixed Prepay October 2016 – a new energy tariff that enables prepay customers to have access to fixed price energy for 27 months, with no exit fees.

With only four fixed prepay tariffs available on the market, customers on prepay meters have previously had limited choice when it comes to fixing their energy prices – despite 19% being in fuel poverty.

The launch of Blue+Fixed Prepay October 2016 will allow 7.5 million prepay customers nationwide to fix their energy in line with EDF Energy's current Standard Variable prices (the cheapest on average of the major suppliers), enabling them to better manage their, often squeezed, household budgets and avoid the ups and downs of energy prices.

4. Sizewell B news

Refuelling Outage 13

- Up to 13,000 tasks planned in addition to refuelling the reactor with an extra 1,200 contracting partners on site during that period.
- Turbine 1 will shutdown on 12 October, work to be carried out on this turbine:-
 - Generator Transformer Phase Exchange x 3
 - Generator Protection Scheme Replacement
 - Gas Insulated Switchgear refurbishment
 - Turbine Low Pressure Rotor replacement x 3
- Turbine 2 will shut down on 17 October, work to be carried out on this turbine:-
 - Investigation and repair of Governor Valve
 - Replacement of Fire Resistant Fluid
- Other major items of work taking place:
 - Stripping and maintaining Reactor Coolant Pump 'D' motor lower oil bearing
 - Electrical Separation Group 1 Maintenance
 - In Service Inspection (weld checks of primary circuit)
 - Equipment Qualification replacements
 - 20 Target Rock Valves
 - Head Vent Cable
 - Japanese Earthquake Response (JER) Improvements
 - Mechanical work in containment
 - Passive Hydrogen Re-combiners in containment
- The station plans to return Turbine 2 to service after 26 November 2014 followed by Turbine 1 after the 7 December 2014

Dry Fuel Store Update

Sizewell B provided a presentation on the Dry Fuel Store at a public meeting hosted by the SSG on 17 July.

Work on the main Dry Fuel Store building is underway with the main concrete pours to start week commencing 23 September. This work will take approx 16 weeks to complete.

Emergency Response Centre

A tour of the Emergency Response Centre for SSG members and local residents has been arranged for Wednesday 24 September at 6pm.

Sizewell B employee swims her way up Mount Kilimanjaro

A big-hearted Sizewell B employee traded her office job for the swimming pool to support her colleagues on their sponsored trek up Mount Kilimanjaro for Marie Curie.

Shona Bracegirdle, a work management coordinator at the power station, has raised almost £2,000 by swimming the distance her colleagues Hazel Culshaw and Lana Challis will trek for Marie Curie next year. A true team player, Shona

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wanted to share in her colleague's pain by swimming 236 lengths of Leiston swimming pool, clocking up 5895 metres – the height of Mount Kilimanjaro – to support her friends and raise vital funds for Marie Curie, EDF Energy's charity partner.

Swimming has always been Shona's passion but she hasn't been in the pool competitively for over 20 years so has been a regular face at Leiston pool training for her sponsored swim. Shona completed her swimathon in 2 hours 37 minutes.

5. Community News

NEW Anglia LEP Visit Sizewell B

Mark Pendlington, New Anglia LEP (Local Enterprise Partnership) Chairman, met with Sizewell B apprentices to hear about the training programme equipping the next generation of nuclear technicians in Suffolk.

Becky Hanson and Joss Grant, both third year apprentices were pleased to give the LEP Chairman a tour of their workplace from the workings of the turbine hall through to the maintenance workshops.

Sizewell B has welcomed its 5000th visitor

Sizewell B has welcomed its 5000th visitor to the power station since opening its doors to the public 18 months ago.

A class of 36 nuclear energy experts from the World Nuclear University (WNU) helped the station reach the milestone. The group of up and coming nuclear leaders in their fields came from across the globe including a reactor safety manager at Forsmark Nuclear Power Plant in Sweden through to a nuclear engineer from Argentina.

Local sponsorships

Sizewell B's local sponsorships and donations help to promote awareness of EDF Energy, Sizewell B Power Station and to recognise that the station is a major player and good neighbour within the local community.

Some recent donations have been made to:

- Leiston Scouts - scout hut roof repairs
- Westleton Barrel Fair
- Aldeburgh Primary School - playground project
- Leiston Business Association - Christmas raffle prize

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