

Sizewell B power station

Monthly Newsletter Issue 610

December 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

Refuelling and maintenance at Sizewell B

On Friday 03 November Sizewell B power station was brought offline after 504 back to back days of safe, reliable operation to begin its fifteenth refuelling and maintenance outage, as planned.

This is a significant event for the station as it marks a consecutive 'breaker to breaker' run. This means that Sizewell B has safely operated the reactor continuously, since connecting to the grid following the last refuelling outage. It is the fourth 'breaker to breaker' run in the station's history, 471 days in 2006 and 516 days in 2008 and 499 days in 2016.

Preparation work for the outage begins at least two years ahead of refuelling the reactor as part of a ten year strategic outage plan for the station. During this outage 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:-

- Turbine 1 routine maintenance and upgrade of Turbine 1 monitoring systems
- Overhaul of one of four Main Cooling Water pumps
- Replacement of a reactor building cooler fan motor

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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Steam Generator work during refuelling outage 15

During planned maintenance periods, such as this current refuelling outage, the plant is thoroughly inspected, tested and maintained to assure safe reliable operation in the next operational cycle.

During one of these routine inspections engineers have found a pinhead sized hole on a weld around a pipe connected to one of the station's four steam generators. There is no safety risk.

We have taken a conservative decision to carry out work on all four steam generators to avoid any further future defects. Engineers will complete this work during the current outage while the station remains out of service.

The dates of planned outages and the return to service dates are publicly available and can be accessed on the internet at <https://www.edfenergy.com/energy/power-station/daily-statuses>

Company news

EDF Energy staff raise £225,336 for Breast Cancer Now

EDF Energy first teamed up with Breast Cancer Now in October 2016, with a plan of raising £100,000 a year for its charity of the year. But by the end of 2017, the first full year of the partnership, staff have already raised an amazing £225,336 from a series of events held at each of EDF Energy's locations.

Staff, who helped choose the charity, have taken part in skydives, marathons, Sahara treks, truck pulls, cycle rides, walks and more. And EDF Energy's offices have had a record-breaking number of cake sales, dress down days and raffles.

Initially the target was £450,000 for the three-year partnership with Breast Cancer Now but it's likely EDF Energy staff will raise much more.

Breast Cancer Now is the UK's largest breast cancer charity, dedicated to funding research into this devastating disease. BCN believes that if we all act now, by 2050, everyone who develops breast cancer will live.

Sizewell B and the Community

Sizewell B to launch engineering degree apprenticeship

EDF Energy is looking for apprentices to fill a number of roles in chemistry and engineering, at its Sizewell B power station.

The station's engineering team is looking for two people to start a nuclear engineering degree apprenticeship. This is in addition to the places on offer on the maintenance and engineering apprenticeship. The successful applicants will spend four years learning from experts, getting valuable experience all whilst studying for a Bachelor's Degree in Engineering (Honours).

The final role is for a chemistry apprentice. With a balance of practical, hands-on training, study and on-the-job coaching, this apprenticeship supports study towards a qualification in Chemistry.

Applications, which close at the end of January, for all the apprenticeships are made through the EDF Energy careers website: <https://www.edfenergy.com/careers/early-careers/apprenticeships>.

The parents' guidance website can be found at: <https://www.edfenergy.com/content/parent-and-guardian-guidance>.

Sizewell B Sponsorships and Donations Fund

The Sizewell B Sponsorships and Donations fund awarded the following grants in 2017 totalling **£10,430**:

• Leiston Film Theatre – Pantomime	£750.00
• Leiston Town Football club - Pitch side advertising	£500.00
• Leiston Town Council - Sizewell village sign	£750.00
• The Rotary Club Saxmundham - Heritage coast marathon	£500.00
• Yoxford Two Charities - Grand summer fete	£100.00
• Rendham Fete - Draw prize -	£100.00
• Tunstall Bowls Club – Donation	£50.00
• Aldeburgh Carnival – procession prizes	£500.00
• Aldeburgh triathlon - chip timing system	£1,000.00
• Aldeburgh Primary School - laptop appeal	£260.00
• Long Shop Museum - leaflet production	£1,000.00
• Leiston Defibrillator Appeal - defibrillator	£250.00
• Aldeburgh & Thorpeness Rugby club – clubhouse	£1,000.00
• Suffolk Sports - Workplace games	£200.00
• Leiston and District Community Partnership – Big Weekend	£750
• Rendlesham fete	£100
• Sizewell Sports and social club – Family Day	£500
• Saxmundham Football Club – 125th Anniversary	£250
• Aldeburgh Hospital League of Friends – Sensory Garden	£500
• Halesworth Community Nursing Care Fund – Golf Day	£100
• Suffolk Business and Community Awards 2018	£650
• Royal British Legion – remembrance wreath	£20
• Leiston Town Council - deer signs	£500



**Launch of the Suffolk Coastal
Community and Business Awards 2018**

Communities benefit from Sizewell B and Galloper Wind Farm Limited community fund

The Leiston and Sizewell Community Fund has awarded the following grants in 2017 totalling **£11,700**:

Kelsale Management Committee - update village hall	£2,000.00
Aldeburgh Business Association - Christmas lights	£200.00
Leiston Old Folks outing - 80th anniversary outing	£250.00
Middleton Parent teacher Association - Primary School Playground redevelopment	£1,500.00



Cancer campaign SuffolkSchool - cancer awareness	£1,050.00
Leiston Angling Society - Improve banks and provisions for disabled anglers	1,000.00
Leiston & District Swimming Club - Technical video kit	£3,500.00
Big Day Out – PASTEL	£1,200.00
Benhall Primary School - Benhall Primary School outdoor area	£1,000.00

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

Next local community meeting

The next Sizewell Stakeholder Group meeting will take place on Thursday 15 March 2018 at 09.30am, Sizewell Sports and Social Club. Any member of the public is welcome to attend.

Contacts

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If you would like to receive this newsletter via e-mail please contact Niki at the above address.

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