

Dungeness B monthly report

October 2018

Introduction

Dungeness B's busiest maintenance and refuelling outage for many years continues to progress well, with a huge range of technical and engineering tasks either already performed, or scheduled over the next few weeks. The wide-ranging double-reactor outage is designed to ensure ever-increasing reliability as the power station continues its journey to world-class performance levels, and aims for a best-ever output in 2019.

In order to necessitate in-situ repairs to main steam systems on unit 21 and a main steam pipe on unit 22, we have decided to further extend our maintenance programme, and as a result the outage dates have been extended by approximately a month each – 31 January 2019 for Unit 21, and 28 February for Unit 22. This will allow specialist tooling and assistance from our supply chain to assist in this conventional-plant maintenance. These pipes carry steam from the boilers to the turbine in order to generate electricity - and are not within the reactor. The repair plan is well known and along with our expert contract partners we will continue this maintenance plan to underpin our aspirations for even greater output and reliability in the future.

Locals will be aware that a large number of outage contractors are still with us, working on the plant. Their contribution is invaluable to us, and their presence is a major boost to local businesses during their stay in the area.

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. Our contact details are at the bottom of this monthly report.

Safety

We measure our safety performance against Industry top tier indicators, including nuclear reportable events, environmental events, and staff and contract-partner recordable injuries.

There were no injuries recorded during this period.

Environmental Safety

There were no environmental issues or events in October.

Plant Update

Both reactors remain shut-down for our scheduled maintenance and refuelling outage.

Dungeness B News

Our Visitor Centre continues to thrive, welcoming 367 people on tour in October, with an additional 198 visitors to the exhibition area.



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and Wales number 3076445.

The Visitor Centre already has more than 2000 people booked on tour for 2019.

Other events over the past few weeks included a rousing ***Last Night of the Proms*** event organised by station staff to raise money for EDF Energy's Charity Partner, Breast Cancer Now. More than £850 was raised at the event, staged at All Saints Church, Lydd. The Haywardians Choir led a packed audience through favourites, including *Land of Hope and Glory*, and *Jerusalem*.



Land of Hope and Glory – at All Saints, Lydd

The Visitor Centre was also the setting for a successful series of creative **Poppy Power** educational events to help celebrate a century of remembrance. The *Be Creative* STEM sessions were organised to coincide with the *Let's Cover the Marsh in Poppies* initiative which brought together local scout groups, churches, businesses and the general public, with the aim of covering the Romney Marsh area in thousands of hand-made poppies.

The tributes to the fallen at the Visitor Centre also involved support from the Royal British Legion, who organised for presentations for local children, and for the visit of veterans from the second world war, who re-counted their personal stories to visitors.

A special 'soldier silhouette', made by the Sea Cadet's' Mark Godden, formed a centrepiece of activities, along with a colourful wall of hand-made poppies.

People throughout Romney Marsh have been sewing, knitting and crocheting thousands of poppies for this year's centenary of the end of Great War, and some 20,000 poppies adorned shop fronts, churches and places of business for the commemoration, which was part of a wider series of events including church services, beacon lighting and other educational events throughout the area.



The Poppy Power educational events at the Visitor Centre were a big hit with local families

Well-being presentations a hit with staff

This month over 200 workers on-site attended a Mental Health and Wellbeing presentation from the amazing stand-up comedian and presenter John Ryan. John explains Mental Health in a very personal and unique way, with a few laughs along the way to underline his point - that more awareness and sensitivity is required in ensuring the workforce is fit physically, and mentally.



Company News

Nissan and EDF Energy partner to advance low carbon transport

Nissan and EDF Energy have joined forces to work together on a number of projects that will support the adoption of electric vehicles and energy generation and storage solutions. The two companies signed the new agreement and the partnership will kick off with a *first of its kind* collaboration to explore how second-life Nissan electric vehicle (EV) batteries can support demand side management.

Both EDF Energy and Nissan have been at the forefront of developing the market for electric vehicles in the UK and will bring substantial technical expertise to the wide ranging agreement that will support the transition to low carbon transport, such as smart charging, batteries, decentralised generation and grid integration. The first joint project will see the partners explore the business case for recycling retired batteries from Nissan LEAF back into commercial battery storage. The system would see electricity stored in the batteries and released back to the grid using EDF Energy's PowerShift to react quickly to demand side response (DSR) initiatives. Storage systems offer a lower carbon solution compared to relying on coal and gas power stations to meet peaks of electricity demand on the grid.

Contacts

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Glossary of terms



Term	Definition
Nuclear reportable event or incident	Nuclear reportable events are events reported to the Office for Nuclear Regulation (ONR) in compliance with EDF Energy's nuclear site licences.
Total Recordable Injury Rate events (TRIR)	The number of lost time injuries and restricted work injuries and medical treatments.
Statutory 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.
Double Reactor Outage (DRO)	A planned period of maintenance of plant on one reactor and shutdown of our second reactor to allow refuelling activities.
TWh	1 TWh = 1000 GWh
Lost time injury (LTI)	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.
International Event Scale rating (INES)	International Event Scale - Events are classified at seven levels: Levels 1–3 are “incidents” and Levels 4–7 “accidents”. These levels consider three areas of impact: people and the environment, radiological barriers and control, and defence in depth. The scale is designed so that the severity of an event is about ten times greater for each increase in level on the scale. Events without safety significance are called “deviations” and are classified Below Scale/Level 0. Level 1 is an anomaly.