

Hunterston B monthly report

April 2018

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. While 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.

Station output

Unit 7 was manually shutdown on Friday 9 March for its planned interim inspection outage. Unit 8 was operating throughout the month of March.

Safety

- There were no lost time incidents (LTIs) for EDF Energy staff in February meaning 3,697 LTI free days up to the end of the month, that's more than ten years.
- There were no lost time incidents (LTIs) for contracting partner staff in February meaning 3,685 LTI free days up the end of the month, that's more than ten years.
- The station had no emergency services call out during April.
- There were no on site medical treatments during the month.
- The station had no environmental events during the month and has gone 31 days without an environmental event.

Reactor 3 Outage

On Wednesday 2 May EDF Energy issued a market and press statement outlining plans to extend the ongoing Reactor 3 outage until later in 2018.

Since the decision was taken our expert teams on site and at our head office at Barnwood have been working to agree a plan of inspection and modelling which will support our long term safety case and demonstrate the large safety margins that will allow continued operation until 2023. Here is the statement in full.

Market statement - 2 May

EDF Energy has been in discussion with the Office for Nuclear Regulation (ONR) to agree the return to service of Reactor 3 at Hunterston B following the completion of a recent inspection programme. The inspections confirmed the expected presence of new keyway root cracks in the reactor core and also identified these happening at a slightly higher rate than modelled.

EDF Energy has decided that, while Hunterston B Reactor 3 could return to operation from the current outage, it will remain offline while the company works with the regulator to ensure that the longer term safety case reflects the findings of the recent inspections and includes the results obtained from other analysis and modelling. The operation of other reactors is not affected.

We have been working over many years to fully understand and prepare for these late life changes to the reactor core and regular inspections at all our plants have provided a clear understanding of how the reactor cores age. The longer term safety case will build on work already completed and EDF Energy expects that this will demonstrate that there are large safety margins both now and for the projected reactor lifetime.

Over £100m has been spent on the graphite research programme which benefits from the expertise of our own team of specialists as well as academics at several leading U.K. universities.

During this time EDF Energy may take the opportunity to carry out additional planned routine maintenance.

We expect the unit to return to service before the end of 2018. This will result in a reduction in 2018 nuclear output forecast of up to 3TWh.

Pupils at Glencairn Primary School beat the goalie!

Pupils from Glencairn Primary School will be learning all about robots and coding next week when Generation Science, a touring programme of science shows delivered by the Edinburgh International Science Festival and powered by EDF Energy visits their school.

They will be joining the robot sports training camp where they will be put through their paces, using LEGO® WeDo kits to build their own goalkeepers and programming it to cover goals in our World Cup penalty shoot-out.

Mrs Sharon McDowell, Head Teacher at Glencairn Primary School said:

“We are delighted to welcome the Generation Science tour to the school. Bricks and Blocks is an excellent way of engaging children with science and teaching them the basics of computer programming using a hands-on practical approach, which the school can then follow up with general discussion.”

Colin Weir, Station Director, Hunterston B Power Station said:

“Generation Science’s shows and workshops are great for sparking inquiring minds which is why EDF Energy continues to support them year on year. We hope that by bringing science into the classroom and making it fun, pupils taking part can see how exciting it can be and be inspired to study science or engineering in the future.”

Joan Davidson, Head of Education, Generation Science said:

“We are delighted to be touring to Glencairn Primary School this year. Over the spring and summer terms we will visit over 600 schools in Scotland, educating young learners about the wonder of science and its real-world applications. Our aim is to improve the provision of science education in Scottish primary schools, bring science to life in the classroom and inform, inspire and engage young learners in science.”



Bricks and Blocks is one of 15 amazing shows and workshops provided by Generation Science and powered by EDF Energy that are designed to make science fun, exciting, easy to understand and to help teachers cover the school science curriculum.

Generation Science powered by EDF Energy will tour primary schools throughout Scotland over the spring and summer terms (29 Jan to 18 May 2018). It is the UK’s largest primary science education outreach provider and each year, the team visit over 600 primary schools throughout Scotland travelling to the most northern schools in Shetland, to the Borders, and to some of the remotest schools on the Western Isles.

Over the last 27 years since Generation Science was launched, the team has reached well over 1 million pupils in Scotland with their extensive programme covering topics related to Planet Earth, Technologies, Biological Systems, Forces, Electricity and Waves; and Materials.

Company news

EDF Energy Renewables and EDF ENS UK are now EDF Renewables

EDF Energy Renewables and operations and maintenance business EDF ENS UK are coming together under a new brand.

They are now known as EDF Renewables, the new name for EDF Group's solar and wind activities in more than 20 non-French speaking countries around the world.

Matthieu Hue, CEO of EDF Renewables in the UK said: "In adopting our new brand, we are joining another 20 countries in the EDF family dedicated to renewables. Across the world and collectively this new identity will make us stronger.

"We are already united in our goals to bring costs down for consumers through investment and innovation.

"With the increase of renewables globally, we will continue to develop a diverse, reliable, affordable low carbon energy mix for customers and industry for decades to come."

EDF Renewables has 34 wind farms in the UK, including two offshore wind farms and a battery storage unit. Its goal is to use expertise and innovation to make low carbon electricity more competitive and effective for consumers.

It also looks after the operations and maintenance of wind farms which helps to increase their production and lifespan.

Next local community meeting

The next Site Stakeholder meetings (SSG) is on 7 June 2018.

This meeting will take place at The Waterside Hotel, Ardrossan Road, West Kilbride; lunch will be at 1 pm, followed by the meeting at 1.30 pm. Members of the public are welcome to attend, and these meetings will be advertised in the local press.

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Glossary of terms

Term	Definition
Unit	A unit refers to one of the reactors at the power station and its generating turbine
Nuclear reportable event or incident	Nuclear reportable events are significant events, such as non-compliance with or inadequacy in the safety case. These (along with other, less significant events) are reported to the Office for Nuclear Regulation (ONR) in compliance with EDF Energy's nuclear site licences.
Environmental event or incident	Environmental events arise from wastes or discharges above permitted levels or breaches of permitted conditions which result in an environmental impact. These (along with other, less significant events) are reported to SEPA.
Lost Time Incident (LTI)	When a member of staff injures themselves at work, and is absent from work for one day or more, this is referred to as a lost-time incident (LTI)
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.