

## Torness monthly report

### November 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.

#### Safety

- The station had zero lost time incidents (LTI) during the reporting period. EDF Energy staff have had 904 LTI free days (more than two years) up to 30 November and contract partners have had 1593 LTI free days up to 30 November – that's more than four years.
- The station had no emergency services call outs during November.
- There no first aid injuries at the station in November.
- The station had no environmental events during November and has gone 2845 days without an environmental event (over seven years).

#### Station output

Eight flasks containing spent fuel were safely transported to Sellafield.

Reactor 1 was operational for the month.

Reactor 2 was taken off line on Friday, 7 September for its planned statutory outage and came safely back into service in the early hours of Monday 19 November – six days ahead of plan.

Reactor 2 was taken off line on 26 November when an issue was detected in the lubricating pipework in the non-nuclear turbine part of the plant. The reactor was returned safely to service on Monday, 3 December.

We generated 496 MWh in November; this is enough low carbon electricity to power around 106,335 homes and avoid 0.15 million tonnes of CO<sub>2</sub>e emissions and equivalent greenhouse gasses (known as MtCO<sub>2</sub>e) (when compared to direct emissions of combined cycle gas turbines).

#### Station news

##### Five-star success for Torness visitor centre

It is five for five for Torness power station's visitor centre after VisitScotland's mystery shopper dropped in to tour the EDF Energy station.

The East Lothian facility has retained its five star award from the national tourist organisation for the fifth year in a row.

The ratings focus on the standard of the welcome, hospitality and service provided and show the standard of customer care visitors should expect.



The confirmation came after an assessor described the tour as “excellent” and was impressed by the enthusiasm and knowledge shown by the guide.

Station Director Robert Gunn said: “Gaining and retaining a five star rating from Visit Scotland for five years in a row is a really impressive achievement. I’m delighted that our team is doing such a great job of showcasing the amazing facility we have here in East Lothian.

“I’m proud of that fact that last year Torness power station produced enough low-carbon electricity to power around 2.2 million homes and pleased that we are able, through our visitor centre, to show people exactly how we do this.”

Visitor Centre Coordinator, Faith Scott, said: “Our guides work hard to make sure that our visitors have a five star experience when they visit so having confirmation of that from VisitScotland is a great boost. They are all really enthusiastic about what they do and that clearly comes through in the tours.

“Over the past six years we have had more than 23,000 people through our doors and I hope that every one of them has left feeling well informed about the power station and how it works.”

Tours are free and are available for individuals as well as groups. You can visit Torness power station’s visitor centre Monday- Friday between 9am and 4.30pm. Tours are free and cater for groups and individuals but need to be booked in advance. You can book by calling 01368 873909 or emailing [tornessvisitorcentre@edf-energy.com](mailto:tornessvisitorcentre@edf-energy.com).

### **Successful reactor 2 outage**

Businesses in East Lothian experienced a boost this autumn as hundreds of additional workers joined the team at Torness to carry out a major maintenance programme worth around £34m.

Reactor 2 was taken off line on Friday 7 September for its statutory outage.

During the outage workers carried out more than 15,000 separate pieces of work. The biggest projects included the fitting of additional reactor gas temperature instrumentation, exchange of the turbine intermediate and low pressure rotors, and replacement of auxiliary cooling water pipework systems.

Reactor 2 was brought safely back into service in the early hours of Monday 19 November – six days ahead of plan.

We had an extremely successful outage coming back online within schedule while maintaining an excellent safety record. One of the ways we measure safety is through our Total Recordable Incident Rate (TRIR). This measures the number of recordable safety incidents for every million hours our people worked. There were zero TRIR events during the outage and just 11 accident book entries, all of a very minor nature (for example, slip on wet footpath).

### **Company news**

Apprentice graduation ceremony celebrates EDF Energy’s bright future

Simone Rossi, EDF Energy’s chief executive, welcomed the family and friends of the latest group of apprentices to graduate from the company’s training scheme.



He told the audience that in the past 10 years the company had seen nearly 600 apprentices pass through the scheme.

This year 52 former apprentices, mostly from the engineering maintenance training programme, attended the ceremony when they were given a certificate by Simone.

The company also has three special awards with Jonathan Grundy, from Hartlepool, taking the overall apprentice of the year trophy, Sophie Palmer, also Hartlepool the 'going the extra mile award' and Kieran Bell, from Torness the 'community engagement award'.

Applications for EDF Energy's 2019 apprentice intake are open and full details can be found at [www.edfenergy.com/careers](http://www.edfenergy.com/careers).

### SmartSTEMs and EDF Energy celebrate successful year



A charitable organisation that aims to encourage diversity in science, technology, engineering and maths (STEM) is wrapping up its 2018 activity with a new partnership.

More than 100 pupils have been attending a SmartSTEMs event at Glasgow Kelvin College Springburn Campus; the first time the two bodies have worked together.

The event at the college's Springburn campus is the 10th this year to be supported by headline sponsor EDF Energy and brings the total number of children who have attended SmartSTEMs events in 2018 to 5000.

The pupils aged between 10 and 12, from schools across the area, heard from the Glasgow Science Centre on Tour team and Kerry-Anne McLaughlin from JP Morgan about their careers in STEM. They also took part in a series of hands-on workshops including forensic science and digital fashion design.

At the moment just one in four people working in STEM careers in Scotland is a woman and in engineering there is an estimated shortfall of people with the right skills of up to 59,000 a year.

Events run by SmartSTEMs target children aged 10 to 14 and aim to encourage more people from diverse backgrounds to study STEM subjects at school.

EDF Energy's Scottish Business Director, Paul Winkle, said: "EDF Energy hopes that by capturing their imaginations at events like this one more children will be inspired to study STEM subjects at school.

"Jobs in science, technology, engineering and maths are expected to grow at double the rate of other occupations but its projected that there won't be enough graduates and apprentices to fill the roles. We are delighted to be working with SmartSTEMs and the Glasgow Kelvin College to try and change that."

Carlyn McNab, Director of Curriculum at Glasgow Kelvin College said: "As an inclusive college, Glasgow Kelvin is thrilled to be helping to host SmartSTEMS which will encourage local young people, especially young women, to engage with STEM learning and help to create greater diversity in the STEM workforce. The technical and scientific skills we deliver in this area are becoming ever more important for future careers and we are looking forward to a vibrant and exciting event for our partner schools."

Stuart Macdonald, of SmartSTEMs said: "We are delighted to pull together many wonderful industry partners and scores of generous volunteers to deliver this great event for these young boys and girls. Proud to be playing our part in making Scotland a great place to discover and pursue STEM careers."



Those at the SmartSTEMs session were also able to experience a virtual reality film that immersed them in the worlds of three successful women working in STEM-related industries. EDF Energy's Virtual Reality film can be viewed at [edfenergy.com/prettycurious](http://edfenergy.com/prettycurious).

### Local community meeting

14 March 2019 from 10:00 – 13:00

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

### Glossary of terms

Term	Definition
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.
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.
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)