

## Hartlepool power station

## May 2018 monthly report

### Introduction

Welcome to the May 2018 monthly report for Hartlepool power station.

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 <http://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

#### Operational safety

There were no operational issues to report in May.

#### Environmental safety

There were no environmental safety incidents in May.

#### Minor injuries

The station recorded four accidents in the month of May. All were dealt with by station first aid.

The site takes safety very seriously and incidents are investigated fully to ensure they are avoided in the future.

### Plant status

Hartlepool has two advanced gas-cooled reactors with a net generation capacity of 1185 MWths.

Reactor 1: Unit is at full load

Reactor 2: Unit is progressing to full power following a re-fuelling outage.

During May 2018, Hartlepool power station generated enough low carbon electricity to power around 1 million homes avoiding 0.23 (MtCO<sub>2</sub>e), the equivalent of taking 103,210 (thousands) UK passenger cars off the road when compared to direct emissions of Combined Cycle Gas turbines

## **Hartlepool visitor centre – May 2018**

### **Visitor Centre Community report**

In total the centre welcomed 732 visitors in May 2018, with 454 visitors taking a pre-arranged tour. In addition teams from the station supported three outreach events, engaging with over 330 individuals.

This visit and outreach activities have included:

- Ribbon Academy Primary School, Murton
- Newcastle Aviation College
- Teesside High School
- Fens Primary School
- Sedgefield Primary School

Hartlepool welcomes tours Monday – Friday and some Saturday mornings. Please contact Louise Corser on 01429 853582, email [hartlepoolstetours@edf-energy.com](mailto:hartlepoolstetours@edf-energy.com) or visit <https://www.edfenergy.com/energy/education/visitor-centres> for further information.

### **Local community donations**

The station has recently donated £1,000 to NESTS Therapeutic Children's Home in Hartlepool, to fund specialist equipment, for children aged from 5 to 12 years in age. A representative from NESTS said: "Any support we receive from our community is gratefully accepted and used to help our children move on from the past and embrace a positive future."

Hartlepool power station's charity fund is administered by Tees Valley Community Foundation. Details of application can be found on the TVCF website at [www.teesvalleyfoundation.org](http://www.teesvalleyfoundation.org).

### Gifted and Talented Club visit

On 4 May the Visitor Centre welcomed 12 young people from the Gifted and Talent Club from Teesside High School. The children took part in a workshop and learned all about nuclear generation in addition to visiting the control room simulator.



The group had a ‘brilliant visit and talked with great enthusiasm about what they have learned.’ To arrange a similar event please contact Louise Corser on 01429 853582 or email [hartlepoolsitetours@edf-energy.com](mailto:hartlepoolsitetours@edf-energy.com) for availability and further information.

### Generation X ~ STEM Event ~ Dyke House College, Hartlepool

Dave Bennett and Bryan O’Donoghue, both engineers from the station, recently supported a Year 10 STEM event at Dyke House College, Hartlepool on 3 and 4 May. The team from the station joined Year 10 pupils in various workshops, challenging them in various engineering construction challenges.

In addition to the support of Dave and Bryan, the station also helped buy prizes for the winning team. The students involved, said that as a consequence of the event, they now knew more about jobs in the Energy Generation sector, raising their awareness of, and interest in, the potential opportunities of working in STEM sectors.



## Summer holiday planning?

Looking for things to do with your children/grandchildren over the summer holidays? Why not visit the power station for either a station tour or to take part in the summer holiday event programme?

Future free events have been arranged as follows;

- 24 July 2018, What the "Ladybird Heard?" craft event
- 3 August 2018, Rhyming Rabbit craft event
- 9 August, STEM Day, tour and science based activity afternoon
- 17 August 2018, Story Stones, craft session
- 28 August, STEM Day, tour and science based activity afternoon
- 31 August 2018, Card Crafting event

Please contact Louise Corser on 01429 853582, email [hartlepoolsitetours@edf-energy.com](mailto:hartlepoolsitetours@edf-energy.com) or visit <https://www.edfenergy.com/energy/education/visitor-centres> for further information.

## Company News May 2018

In March this year Hunterston B reactor 3 was taken offline to carry out planned, routine inspections of the graphite core. As part of the normal ageing process we expect to see cracks occurring in some of the graphite bricks that make up the reactor core, something that is well understood and is recognised in our operational safety cases which are agreed with our independent regulator the Office for Nuclear Regulation.

On 2 May we decided that, while the Reactor 3 could return to operation from the current outage, it would remain offline to enable us to work 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.

Commenting on the decision, Donald Urquhart, Deputy Chief Nuclear Inspector and Director of ONR's Operating Facilities Division said: "We welcome the decision by EDF Energy to delay the return to service of Reactor 3 at Hunterston B pending further assessment of the significance of the most recent identified keyway root cracks. I view EDF's decision as responsible, conservative, and made in the best interest of public safety."

EDF Energy has 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. 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.

This decision underlines the company's commitment to nuclear safety and Hunterston B is, and will continue to be, operated with very large safety margins.

**For all our media releases:**

<http://media.edfenergy.com/>

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**Glossary of terms:**

Term	Definition
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.