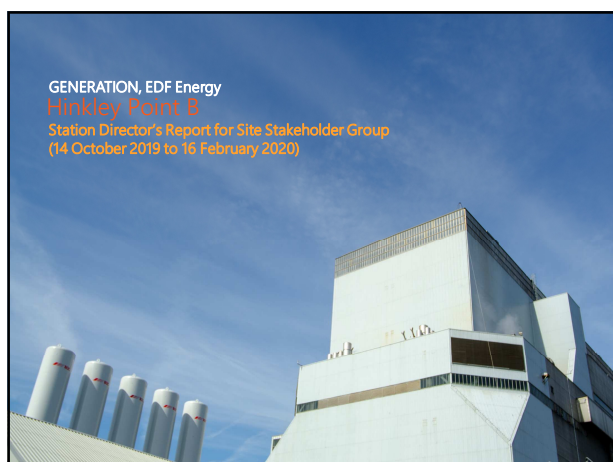




Safety and Environmental Performance

- ❑ Good start to 2020
- ❑ Over **13** years since our last nuclear reportable event
- ❑ Over **10** years since our last environmental reportable event
- ❑ Over **4** years since the last lost time incident to an EDF Energy employee
- ❑ **2** lost time incidents to contract partners in 2019
- ❑ **3** minor first aid injuries in the period
- ❑ Environmental enhancement works continue
- ❑ Gas bypass plant and gaseous discharges
- ❑ No other events of environmental significance during the period



2 SSG Meeting, February 2020 (GENERATION), NOT PROTECTIVELY MARKED © 2019 EDF Energy Ltd. All rights Reserved.



Generation Performance

14 October 2019 to 16 February 2020

Station output: - 2.796 TWh

Load Factor:

Reactor 3 = 96.56% (99.48%)
 Reactor 4 = 95.05% (99.33%)

(figures in brackets exclude planned shutdowns and refuelling periods)

Reactor 3 shutdown yesterday due to a multisafire system fault.

Reactor 4 was shutdown for a planned maintenance and graphite inspection programme on 21 February. Unit expected to be returned to service in early June.

Since starting operating, Hinkley Point B has safely generated over 300 TWh of low-carbon electricity - generated more than any other UK nuclear power plant.



3

SSG Meeting, February 2020 (GENERATION), NOT PROTECTIVELY MARKED © 2019 EDF Energy Ltd. All rights Reserved.



Employment

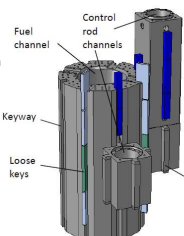
EDF Energy employees	-	515
Apprentices	-	11 apprentices plus 9 ex-Horizon apprentices
Contract Partners	-	200
Agency staff	-	11

Graphite

The graphite core is potentially one of the life limiting features of the AGRs. It has been long established that late in life keyway root cracking will take place and this progression of cracking could be the life limiting factor.

The graphite core is composed of over 3000 graphite fuel bricks and 3000 interstitial bricks which are all connected together through a keying system. There are 12 layers of bricks, 308 fuel channels and 81 control rods in a typical core.

It is known that these graphite fuel bricks will crack when subject to neutron irradiation, and the cracking is progressive. The number of cracked bricks will increase with time and potentially have an effect on reactor operation or the ability to safely shutdown.



5

SSG Meeting, February 2020 (GENERATION), NOT PROTECTIVELY MARKED © 2019 EDF Energy Ltd. All rights Reserved.



Other Station News



Prostate Cancer UK launch



VIP visits



Emergency preparedness training programme continues



Elliott's Touch - outstanding contribution award



Royal Humane Society recognition

6

SSG Meeting, February 2020 (GENERATION), NOT PROTECTIVELY MARKED © 2019 EDF Energy Ltd. All rights Reserved.



Community Engagement



We have welcomed over 116,000 visitors into our visitor centre, since it opened in December 2012



In the past 8 years we have taken over 20,000 people on a guided tour of the power station (75% have been educational groups)



We regularly take part in science, technology, engineering and mathematics (STEM) activities to inspire young people



We support local charities and organisations through sponsorships and donations, and in the past 12 months over 30 local groups benefited.



During our three year charity partnership with *Breast Cancer Now*, power station workers raised over £28,500 for the popular charity.

Our new charity partner is Prostate Cancer UK, and we have already raised over £3,000.



7

SSG Meeting, February 2020 (GENERATION) NOT PROTECTIVELY MARKED © 2020 EDF Energy Ltd. All rights Reserved

Thank You



8

SSG Meeting, February 2020 (GENERATION) NOT PROTECTIVELY MARKED © 2020 EDF Energy Ltd. All rights Reserved