

# Welcome

# Agenda – Community Forum – 20<sup>th</sup> January 2022

1. Welcome and introductions
2. Meeting note / matters arising from last Forum held on: 23<sup>rd</sup> September 2021 - (Chair)
3. Project Progress Update - (Andrew Cockcroft, Anne Lawrence, EDF)
4. Update: Office of Nuclear Regulation Report - (Jason Crook, ONR)
5. Update: Community Fund - (Justin Sargent, Somerset Community Foundation)
6. Update on HPC Education and Skills – Supporting the local area in 2022  
– (Chris Young, EDF)
7. Main Site Forum, 21<sup>st</sup> October 2021 - (Chair)
8. Transport Forum, 25<sup>th</sup> November 2021 - (Chair)
9. Any other business - (Chair)
10. Date of next meeting: Thursday 19<sup>th</sup> May 2022 at 6pm

# Item 3: Project Progress Update

Andrew Cockcroft

Senior Manager – Community Relations

Anne Lawrence

Head of Site Nuclear Compliance

# Covid-19 – Developing Our Response

- Before returning from the Christmas holidays all members of the project were requested to take Covid-19 tests.
- Vaccination uptake as whole is high and we continue to encourage everyone to get their booster vaccinations.
- HPC is now the first construction Site in the UK to be able to deliver our own vaccination clinics. Our nurses have undergone specific training to prepare them. We thank Public Health England and the NHS.
- We continue to operate as a Covid Managed Project – accessing site by providing vaccination status or negative test result.
- Working from home where possible has been reintroduced.

## Face coverings remain mandatory at our locations:

- When moving around inside offices and welfare buildings
- In HPC Site shops
- On HPC buses (internal and external) and when sharing Site vehicles
- When visiting Hinkley Health

# Progress Update

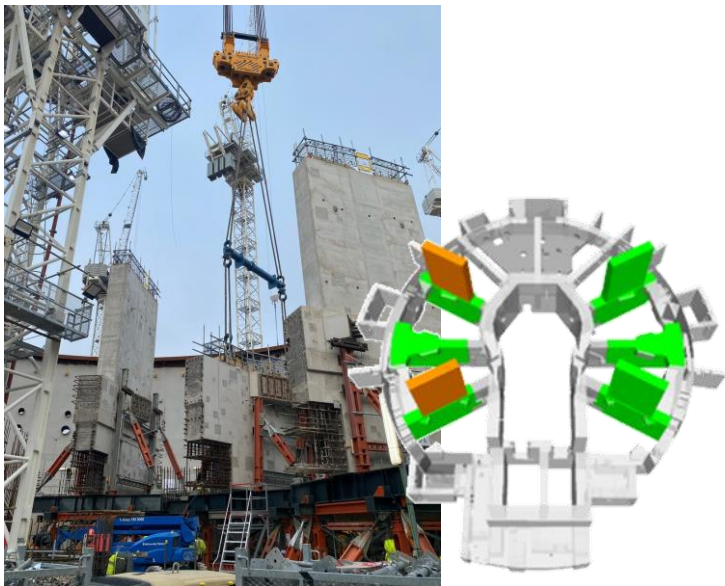


- Big Carl has now placed the **first huge steel ring section into unit 2**. It occurred 11 months after the same operation on the first reactor.
- The **ring was built 25% more quickly than the same part on unit one**, requiring thousands of hours less labour to manufacture.
- **Acceleration into MEH Phase** – 2022 will see work begin on 500+ rooms.
- **Further progress taking place off site** with suppliers across the UK and abroad. For example – the manufacture of the polar crane in Spain and the frames to support the intake heads in Scotland. Closer to home, elements of the electrical systems are being manufactured in Bridgwater.

# Progress Update

## Radial walls installed

- The first of six heavy radial walls have been installed into Unit 1. The 207 tonne structure was manufactured in HPC's pre-cast yard before being lifted into position.
- The walls will segregate the steam generators and reactor coolant pumps within the Reactor Building.



## Turbine rotor delivered

- The first low pressure rotor, which will form part of the World's largest turbine, has been safely delivered to Avonmouth.
- The 13m x 5m rotor arrived from GE's Belfort facility in France, via Rotterdam.
- There are three LP rotors per turbine which are key components of the power production equipment in the Turbine Hall (HM). The delivery was 12 months in the planning by a core project team of Osprey, EDF and GE





# Progress Update



**Above:** Completion of turbine table concrete pour, 20m above the raft level.



**Above:** Handover of electrical building to the MEH Alliance.







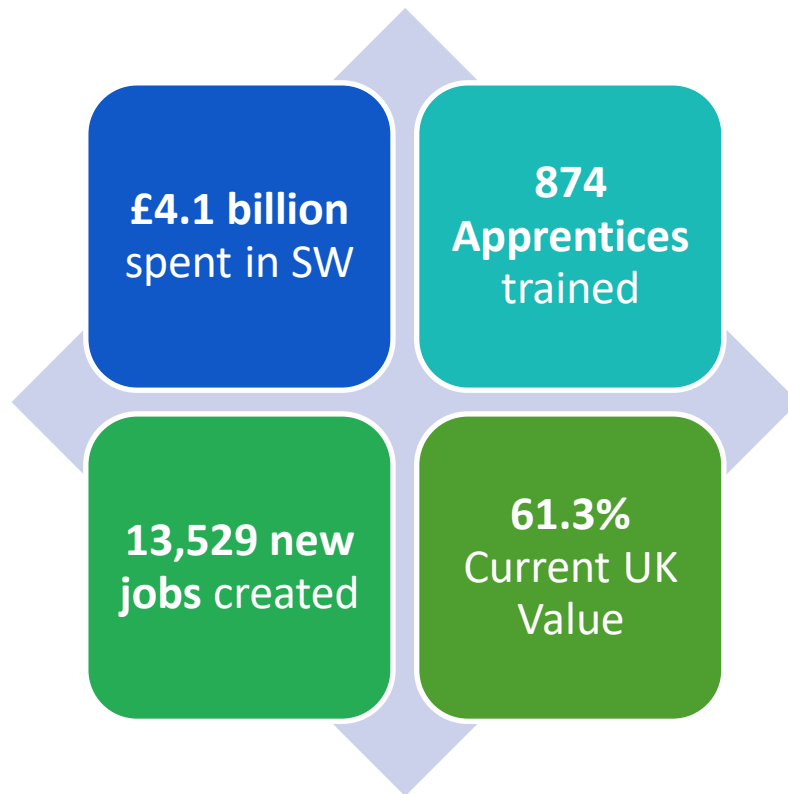
# The year ahead.....

- Around 217,000m<sup>3</sup> of structural concrete will be poured – averaging 80 pours per week. **That is over double the number poured each week in 2021.**
- **The MEH alliance will begin work on c.500 rooms** – ramping up their workforce in the process.
- **We'll pass 50% of all our equipment deliveries to Site** – that's more than 1,000 in 2022.
- **Key areas of activity;**
  - Continued ramp up of civils and MEH.
  - Work will begin on the main control room.
  - The simulator building will be transferred to the pre-operations team.
  - Progress on marine works, including installation of intake heads.



# Delivering Socio – Economic Benefit

- The project continues to **meet and exceed** its targets for social and economic benefit for the local area.
- **New jobs available and new training facilities** will mean that local people can benefit, no matter their skill level or current position.



# Associated Developments – Combwich Wharf



- Major construction works are complete with most recent work including;
  - Removal of the Trellex fenders on Dolphin F.
  - Replacement of 9 of the 11 Emergency Access Ladders.
- As we move towards operations in the Spring, final elements of construction will include;
  - Install finished wearing course at the Wharf entrance
  - Erect permanent timber acoustic fencing by the Wharf entrance
  - Complete new fender installations
  - Complete the AIL bypass track Q2 22
- Dredging will be a regular ongoing activity once we commence marine operations and will run approx every 6 weeks.
- Development of notification system to provide advanced warning of AIL movements.





**Hinkley Point C will have lower lifecycle carbon emissions than wind and solar. All three technologies will be essential in helping Britain achieve net zero.**

Visit  
[edfenergy.com/hpc](https://edfenergy.com/hpc)  
for more info

*Carbon produced by different energy sources per kilowatt-hour of electricity generated, CO<sub>2</sub> eq*



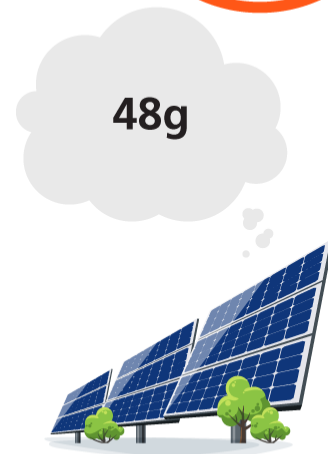
**Gas**



**Hinkley Point C nuclear  
power station**



**Offshore  
wind**



**Solar**

The carbon avoided by generating electricity from Hinkley Point C rather than from a gas-fuelled power station means that it will 'offset' its construction emissions within a few months of operation.

Source: Hinkley Point C emissions based on 2021 LCA estimate. Gas, offshore wind and solar emissions based on 2014 IPCC median estimates.

# Application for DCO Material Change

Hinkley Point C's initial Development Consent Order was granted by the UK government in March 2013. Since that time, there have been a number of *non-material* changes to the plans for the new power station including the recently approved one in December 2021, but no-changes that have constituted a full *material change* to the original DCO have occurred.

Later this year, we will be submitting a material change application that will include;

- Permission to remove the requirement to install an **acoustic fish deterrent system**.
- A change in the method of **spent fuel storage from “wet” to “dry”**.
- Changes to the plot plan to accommodate a **relocated and re-designed Meteorological Mast**.
- Permission to **retain the existing Temporary Substation** as a permanent feature to supply electricity to HPA and HPB.
- The **addition of four new structures to house sluice gates** and lifting beams which would be used during outages.

As a material change, a full public consultation will take place with the public and all statutory consultees in advance of the application submission. We expect the **consultation to begin in May 2022**.



The change in spent fuel storage method would mean Hinkley Point C would have the same storage as Sizewell B – pictured above.

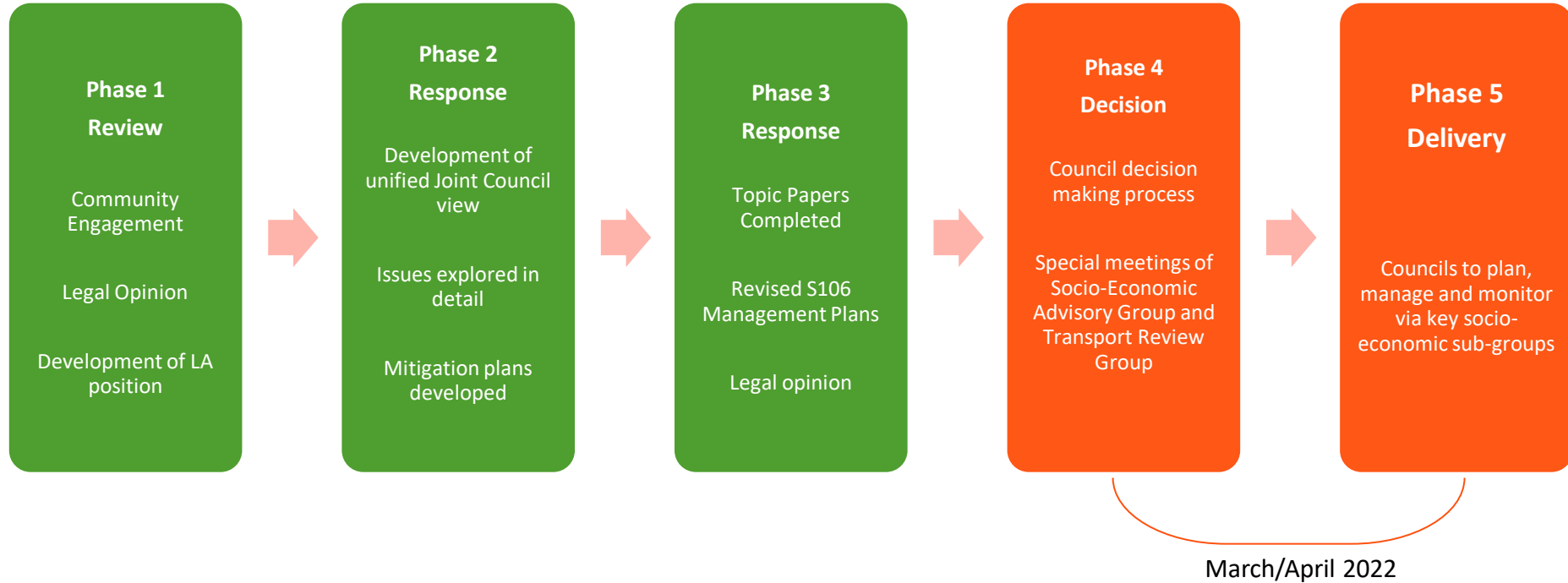
# Dredging and Disposal Activities



- Hinkley Point C resumed mud dredging as part of works to install cooling water intakes in the Bristol Channel.
- The mud was found to be no different from mud elsewhere in the channel and comprehensive testing has shown that it poses no harm to people or the environment.
- **Our contractors have now completed the main dredging and disposal** of mud at the licensed disposal site at Portishead.
- **Some further maintenance dredging will be required in Spring** of next year ahead of the placement of the heads for the cooling water system.
- A legal challenge has been lodged against the Marine Management Organisation (MMO) to challenge their decision. A hearing is currently expected to take place in the months ahead.



# Workforce Uplift



# Pre-submitted Questions - Project Progress Update

- *Mud dredging* - *Is further dredging expected, what volume, and when?*  
- submitted by Geoff Richardson,  
North Somerset Councillor for Clevedon West
- *Mud dredging* - *Please could we have an update on the developments on the dredging and dumping of the mud at Portishead and the construction of cooling water tunnels?*
- *AFD* - *When do you think we will get a result on the Public Inquiry from the minister about EDF's change in fitting the Acoustic Fish Deterrent as was required by the Environment Agency?*  
- submitted by Alan Jeffery – Green Party Representative

# Pre-submitted Questions - Project Progress Update

- *What concerns do EDF and ONR have about the damaged fuel rods which have shut down the only working EPR at Taishan necessitating redesign of HPC with additional cost and delay?*
- *How many workers are currently on site, what proportion are 'local' and how close are you to an agreement with Councils on proposed Workforce Uplift?*

- submitted by Roy Pumfrey, Stop Hinkley



# ONR Site Stakeholder Report Highlights

Jason Crook  
January 2022 - Update



## ONR Report - Q1 2021

- Quarter 3 2021 Report
  - LC28 - Examination, inspection, maintenance and testing – we found that NNB GenCo and its contractors have made and implemented appropriate arrangements to ensure that safety significant items are preserved/maintained appropriately
  - Ionising Radiation Regulations 2017 (IRR17) – we found that NNB and its contractors were appropriately managing the risks from radiography
  - Fire safety and Conventional Health and Safety (FRO 2005/HSWA 1974) – we found that improvements were required to NNB's and its main civils contractor's hot work permit process and fire risk assessments, and we issued associated enforcement letters



## ONR Report - Q1 2021

- Quarter 3 2021 Report
  - LC19 - Construction or Installation of New Plant – we examined the welding and non-destructive testing associated with a safety significant tank and found that it was being appropriately managed
  - LC19 - Construction or Installation of New Plant – we were satisfied with the adequacy of NNB GenCo's construction management arrangements, together with its application of relevant good engineering practice, in the area of area of safety-related equipment integration into the civil engineering works.
  - LC09 – Instructions to persons on site – we found that NNB has appropriately matured its instructions to persons on site to ensure that they remain effective for the current stage of the project.





## ONR Report - Q1 2021

- We issued three enforcement letters during the period requiring improvements in the following areas:
  - NNB GenCo (HPC)'s fire safety and hot work permit to work arrangements.
  - Bylor's (NNB GenCo (HPC)'s main civil works contractor) fire safety and hot work permit to work arrangements.
  - TISSOT's (the tier 2 company manufacturing the containment liner) control of welding fume.



## Non-routine Matters

- NNB GenCo (HPC) identified some anomalies with a small number of radiographs associated with an emergency feedwater tank prior to its installation at the HPC site. In accordance with its arrangements, NNB GenCo (HPC) reported this event to ONR and has completed its own investigation into the matter. In addition, ONR has commenced an investigation to establish the facts surrounding these anomalies.



## Bulk Mechanical, Electrical and Heating & Ventilation and Air Condition (MEH) Permissioning

- ONR carried out a comprehensive programme of interventions and assessment to inform its permissioning decision related to the commencement of bulk MEH activities
- Following the conclusion of this assessment on the 25<sup>th</sup> November 2021 we issued our agreement for NNB GenCo (HPC) Ltd to commence the start of bulk Mechanical, Electrical and HVAC installation in Unit 1 nuclear island at Hinkley Point C



## Change of Site Inspector

- On the 1<sup>st</sup> April 2022 Alun Griffiths will take over as the HPC nominated site inspector.

## Item 5: Update: Community Fund



# Update

September 2021

Justin Sargent  
Somerset Community Foundation





Grants awarded		
Programme	Awarded*	No. of grants
Strategic grants	£1,542,823	11
Small grants	£420,536	118
Otterhampton	£345,692	15
Open Grants	£2,878,544	38
Community Development	£10,000	2
	£5,197,596	184

\* For the period 2017 - 2024

# Recent Examples

# Burnham and Highbridge Sea Cadet Unit





# Sedgemoor Dementia Action Alliance



# Home-Start West Somerset





# Contacts

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[www.hpcfunds.co.uk](http://www.hpcfunds.co.uk)

[www.somersetcf.org.uk](http://www.somersetcf.org.uk)

# Item 5: Update on HPC Education and Skills – Supporting the local area in 2022

**Chris Young**

HPC Education & Skills Delivery Manager

# Bootcamps & Hinkley Support Operative (HSO)

The Hinkley Support Operative programme has been designed to provide a **bespoke skills pathway to working at HPC** focussing on recruiting people from the local area;

It will provide an intro to engineering construction along with specialist development pathways including Electrical, Mechanical and Welding including a route to apprenticeships.

Participants are offered a **guaranteed interviews** with the MEH Alliance on successful completion of the 3-week programme.

The programme includes a module on working in the Engineering Construction Industry (including HPC) and showcases our Project Values, Zero Harm culture and the 10 Lifesaving Rules.

The first **HSO Bronze Bootcamp** (*funded via Somerset County Council*) started on the 10<sup>th</sup> of January in Bridgwater at the state of the art *Electrical Centre of Excellence*

72 places  
available across 6  
courses between  
Jan-Mar 22 at  
locations in  
Somerset

Around 1,000  
opportunities  
during the  
Mechanical and  
Electrical phase of  
the HPC project



Site  
Safety

*I always obtain authorisation,  
atmosphere control and  
supervision **before entering**  
a confined space*

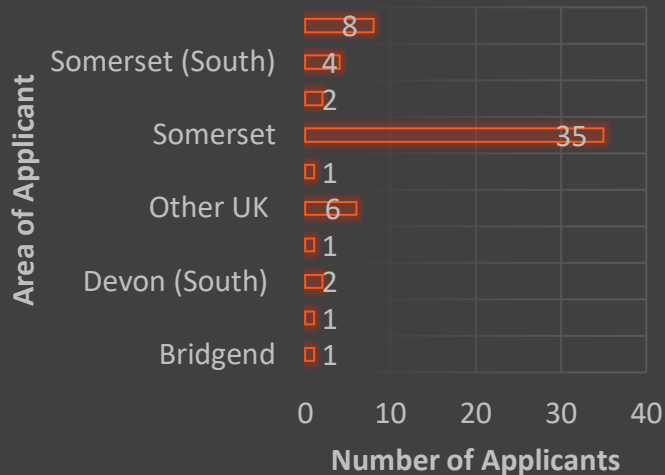


# Recruitment

61

Total Applicants across the first two planned courses in January

## Region of Applicant



# First Participants

12 people started the course on Monday the 10<sup>th</sup> January

11 are from Somerset including Bridgwater, North Petherton, Minehead and Taunton



# T-Levels

To support the introduction of the new T-Level curriculum, the HPC project is set to facilitate up to 10 placements for local students in 2022 across Construction and Digital pathways

- Our first ever **T-Level student Industry Placements** are due to start with the project in Feb/March 22.
- **3** students have already been recruited (EAU, MEHA & Bylor), with another **2** to be recruited for roles in the Digital Team.
- Guides are being developed for the students and employers and we're working with Bridgwater & Taunton College and the Onboarding team to plan a great Project Introduction.
- The project will maintain oversight and mentorship of these learners to ensure we have a consistent project approach to the placements, and that the learners are both before and during their placement.





# Traineeships

- Recruitment has just concluded for an **Occupational Traineeship** in Steelfixing which will start on Monday the 24th January.
  - Training will take place at the dedicated realistic working environment at the Bridgwater & Taunton College Construction Skills and Innovation Centre in Cannington
  - The Trainees will have guaranteed interviews for Bylor's Steel fixing Apprenticeship on successful completion.
  - The apprenticeship will start in April 2022.
- 
- Our next **Supported Traineeship** is due to start at the end of March with 8 learners - we currently have 6 placements confirmed across the project.
  - The programme will be supported by Discovery UK (who will be working with SCC to source suitable candidates and conduct job matching). We are also aiming to run another programme in September 2022.



# HPC Apprenticeships

## 874 Apprentices

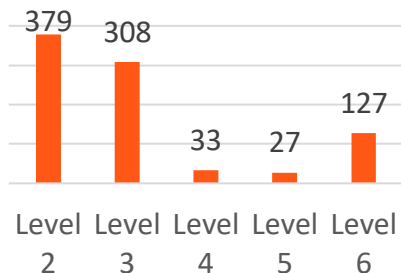
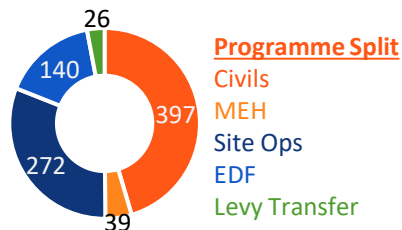


18%



82%

**68%** within 90min commute



### Apprentice to Supervisor

An apprenticeship is more than just  
"earn while you learn."

It enables you with gain valuable skills, that when  
partnered with hard work and determination, can  
give you a career for life.



Apprenticeships

### Apprenticeship Levy Transfer

EDF Apprenticeship Levy  
transfer has support over  
**70** apprenticeship starts  
within our HPC Supply  
Chain, as well as the  
Somerset and the South  
West economy.

First Apprentices in the  
country to successfully  
complete a digital  
engineering  
apprenticeship



# Daisy's blossoming career

Watchet-local Daisy Gallagher has fulfilled her ambition of starting a career at Hinkley Point C, despite Covid-19 throwing a few curveballs in her direction.

Twenty-year-old Daisy, who went to West Somerset College in Minehead, had her heart set on working at Hinkley Point C following a short work experience spell. She also grew up learning about her father's career at Hinkley Point B.

In September 2020, Daisy joined the project for a 12-month industrial placement. She then planned to join the Nuclear Engineering Degree Apprenticeship (NEDA) programme, which she learned about through Young HPC, the project's free skills programme for 16-21-year-olds. However, with her

exams disrupted by the pandemic, her path onto the NEDA programme was suddenly blocked.

But Daisy had made such an impression during her placement that, with support from Young HPC and her line manager, Mark Monaghan, Hinkley Point C offered to extend her placement while she looked for roles within the project.

Now Daisy works as an Operations Technician, a role she earned after passing a tough assessment centre day with more than 50 other candidates!

Daisy said: "The help I received had a big impact. I would really recommend a career at Hinkley Point C to other young people in the local area as I have always felt valued and supported here."



# Item 7: Main Site Forum, 21<sup>st</sup> October 2021

Chair

# Item 8: Transport Forum, 25<sup>th</sup> November 2021

Chair



## Item 9: Any other business

Chair

# Item 10: Date of next meeting

Community Forum: Thursday 19th May 2022 at 6pm

## 2022 dates for the Community, Main Site and Transport Forums

All 6pm start and on Thursdays – format and venues to be confirmed.

<b>Community Forum</b>	<i>20th January 2022</i>	<b>19th May 2022</b>	22nd September 2022
Main Site Forum	24th February 2022	23rd June 2022	20th October 2022
Transport Forum	17th March 2022	14th July 2022	17th November 2022

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# Thank You