

Plugged in

Autumn 2017

to nuclear new build at Hinkley Point C



Celebrating Community

Community Fund
investments come to life



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Round up from Rob

Latest updates on the Hinkley Point C project and our continued work within the community from our Site Construction Director.



Welcome to this Autumn 2017 edition of *Plugged in*.

The project has continued to progress at a significant pace since the last edition in May, with many of our planned on-site goals reached by the team. In particular, the main excavations and deep dig to the north of the site have continued with the first blinding concrete poured for reactor one, read more on page 4.

Our new east office is now open and home to an improved café as well as a further 700

desk spaces for our office-based workforce. Another significant achievement has been the on-site workers' accommodation campus, Hinkley House. With several of the blocks now erected the future home of some of the workforce is really taking shape.

We are continually reinforcing the importance of responsible behaviour in our surrounding communities. Most recently, an internal campaign was run across site emphasising the code of conduct signed by every member of the team.

There has been substantial progress on our associated developments. The Junction 23 Park and Ride facility is now partially operational, major road improvement works carried out in Bridgwater were completed six weeks ahead of schedule and we are well into the main construction phase of accommodation at the Sedgemoor Campus on Bath Road, Bridgwater.

I would also like to share my congratulations to the team at our Visitors Centre in Angel Place for the award-winning service they provide to the residents of Bridgwater and surrounding areas. They are a vital part of the Hinkley

Point C operation, running public site tours, fielding enquiries and providing support for the community. Please see details below for how to get in touch with them.

Thank you once again for your continued understanding and engagement with the Hinkley Point C project. I look forward to updating you again in the next edition.

Rob Jordan
Site Construction Director
Hinkley Point C

We're social...

For more news and images follow us on:

- Twitter @edfehinkleyc
- Instagram @hinkleypointc



Getting in touch with us

- Visit www.edfenergy.com/hinkleypointc
- Email hinkley-enquiries@edf-energy.com
- Call us 0800 096 9650
- Visit us EDF Energy Visitor Centre, Angel Place Shopping Centre, Bridgwater, TA6 3TQ
- Tweet us @edfehinkleyc
- Instagram @hinkleypointc
- Billing enquires and customer services 0800 096 9000

Hinkley Point C construction site update

New and exciting developments taking place on-site.

Read further information on a number of these points on page 4.

A

Temporary Jetty

Work on the 500m temporary jetty continues with a third jack-up barge now at site.

B

GGBS Silo

The GGBS Silo stands 35 metres tall next to the first two on-site concrete-batching-plants. Read more on page 4.

C

North Office

The north office is under construction to provide additional space for the office-based workforce and canteen facilities.

D

Southern Landscaping Area

The southern landscaping area continues to take shape, with planting planned for the next planting season.

E

Hinkley House

The on-site accommodation campus, Hinkley House, now has several accommodation blocks erected with more planned for installation in the coming weeks.

F

East Office

East office is now open and operational with a larger canteen facility, hundreds of desk spaces, additional locker and changing facilities.



G

Blinding Concrete Pour

Blinding concrete has been poured to form the base for the construction of Nuclear Island Unit One. Read more on page 4.

H

Sea Wall Construction

Preparation for construction of the sea wall continues, with ongoing excavation and deliveries of rock armour.

Hinkley Point C project update

First Nuclear Island and blinding concrete pour

To construct the foundations for the first Nuclear Island, the team carried out excavation works on the 36-metre-wide area to prepare it for the first layer of blinding concrete.

Blinding concrete is a layer of concrete which acts as a seal between the future reactor one structure and the ground. This will prevent dirt and mud from interfering with the future structure.

Hinkley Point C will comprise of two reactors, the layout of each reactor consists of two major parts: the Nuclear Island and the Conventional Island. The Nuclear Island is at the heart of the nuclear power station and progress on the first of the foundations is now clearly visible.

Cooling pipe network arrives

The first sections of the 'Circuit de Refroidissement' (CRF), French for 'cooling water circuit', arrived on-site during the summer. This is the first step in the installation of the CRF pipes, which starts in the months to come.

The network will have 724 pipe segments in total and will be more than 3km in length when complete. Each segment weighs nearly 13 tonnes and is wide enough in some places to drive a small car through. When complete, the CRF network will sit deep below the turbine halls between the pump house and outfall buildings. This pipework will bring seawater in to cool the system, thereby condensing the steam used to turn the turbine (which ultimately produces power) back into water.



The seawater will continue through the CRF system returning to the sea at only a few degrees warmer than before. This is strictly controlled in order to protect marine wildlife. The seawater has no contact with the nuclear material in the reactor throughout the lifetime of the power station.

Concrete developments at Hinkley Point C

An impressive 35-metre-high storage silo has been installed at Hinkley Point C. The silo will store around 5,000 tonnes of ground granulated blast-furnace slag (GGBS), a sustainable by-product from steel manufacturing plants in South Wales.

This material, which would usually be discarded as a waste product, is being reused in the concrete produced at Hinkley Point C. With the massive structures, concrete made with GGBS gives the correct balance for the project owing to its durability and strength.

The GGBS silo is part of an integrated set up of three concrete-batching-plants at Hinkley Point C. When complete, Hinkley Point C will have on-site one of the most advanced and high-quality concrete manufacturing facilities in the UK.

Below The SOCEA-DENYS team responsible for manufacturing and installing the pipe sections for the cooling pipe network

Off-site developments update

Major road upgrade finished ahead of schedule

A series of major road and junction improvements in Bridgwater have been completed, six weeks ahead of schedule. We are grateful for your patience shown throughout these works.

The upgrade has included widening the right-turn lane from Bristol Road into The Drove, installing a left-turn slip road from Western Way into Wylds Road and resurfacing. Both junctions have benefited from safety improvements for pedestrians and cyclists as well as improved traffic flow.

Naming the accommodation campuses

The Key Stage 2 pupils at Willowdown Primary Academy, which neighbours the Bridgwater campus, were asked for their suggestions to name each facility. It was decided the Bridgwater accommodation-site would be called 'Sedgemoor Campus' and, after reviewing the entries, 'Hinkley House' was picked for the on-site accommodation.

With so many good suggestions, some of the pupils' other ideas were chosen to be used elsewhere within the campus locations.

The winner received a voucher and special keyring featuring Zingy, the popular character from EDF Energy's TV advertising campaign, whilst the runners-up were given an electrical board game to share with their class.



Above Pupils of Willowdown Primary who took part in the naming competition for the accommodation campuses



Above Will Barker, HPC Harbour Master, at Combwich Wharf

Combwich Wharf investigation works

The investigation work to inform the detailed design of the Combwich Wharf refurbishment commenced in the middle of September and will run until the end of the year. This wharf is being upgraded to, one day, receive the largest deliveries to site. This will include the world's largest crane, Big Ben.

The investigation works are being carried out from a jack-up barge visible beside the wharf and out in the berth to the edge of the River Parrett. The works include a drilling rig creating six boreholes measuring 150mm in diameter to a depth of up to 40 metres below ground level to gather data.

Bath Road highways works

With the construction of the Sedgemoor Campus on Bath Road, some changes are necessary to local roads to ensure that the immediate area is safe and traffic continues to flow.

One of the most significant changes will lead to Frederick Road being permanently stopped-up at its junction with Bath Road. The campus site entrance will be built directly opposite Frederick Road with the new junction being controlled by traffic lights and new filter lanes. Stopping up the road increases road safety and ensures that traffic continues to flow along Bath Road.

We have worked closely with Somerset County Council to ensure that the modification is designed and constructed effectively.

Hinkley help

Hinkley Point C workforce offer a helping hand to local communities with time and resources.

The Hinkley Help initiative has been set up to assist local communities with small to medium-sized projects

The Hinkley Point C workforce can offer a helping hand providing their time, resources and equipment. This initiative is separate from bids made for money from the Community Fund; read more on pages 12 and 13.

Moorland and Fordgate Village Hall

CASE STUDY

Moorland and Fordgate Village Hall was one of the first successful Hinkley Help projects.

The hall, which serves the communities of Moorland and Fordgate, is run by volunteers and hosts a variety of activities which include a weekly Pilates group, a monthly women's group, a fortnightly art group and an annual produce show. The hall is also available to community members for private functions.

The village hall was extensively damaged by the 2014 floods, which caused the evacuation of the village.

Somerset Community Foundation was able to provide support for the renovation of the village hall, which has become a central part of rebuilding the community spirit.

The village made an application through the Somerset Community Foundation for help with landscaping the area around the building and laying a concrete slab on which to place a storage container.

Contractors from Costain, who are building the jetty at Hinkley Point C, carried out the work.



1 Landscaped area and new concrete slab before receiving the storage container



2 New landscaped area and fresh material laid to the rear

If you have a project you think could be eligible for Hinkley Help, please contact the Somerset Community Foundation on **01749 344949**

C-Café's mother-and-daughter team Denise and Lucy Bingham

Careers at Hinkley Point span a huge range of specialisms and, here, different generations.

Lucy Bingham works with her mum, Denise, at Hinkley Point's café, the C-Café. Denise is a Supervisor and has worked for Somerset Larder since 2014. Lucy is a General Assistant.

Lucy, when did you join the team at C-Café?

I joined the team in the C-Café at the end of 2016 and have been working at the coffee shop since March 2017.

What first attracted you to a role in the Coffee Shop?

I had no barista experience but I have always loved the art of making coffee and have enjoyed learning these skills. I knew it was going to be busy, but I prefer it like that.

With new people joining the team, how do you use your experience to help new starters?

I show them around and explain how things work. I also catch up with them regularly to make sure they're doing well. I had no idea what to expect when I came to site. I was lucky to have my mum around to guide me, and I want to help others settle in.

Do you enjoy working with your mum?

I really enjoy working with my mum. We get on well and we're similar in the way we work too. She teaches me a lot during each day as she has worked with the team a lot longer than I have.



Above Denise (left) and Lucy (right) in the C-Café

My day – Lucy Bingham

07.30: I arrive at C-Café and top everything up, like sandwiches and pastries. I'll also do paperwork and check the temperatures of the food-warming shelves, to make sure that all food we serve is safe to eat.

08.00: I start serving customers on the till. This is where I can put my coffee-making skills to the test too. We offer a wide range of different coffees. I also have to make sure I work quickly as we get very busy around breakfast time.

10:30: This is my first break period; I get my breakfast and usually take the opportunity to get some fresh air whilst having a look at the view across site. It's great to see the skyline change, now we have three tower cranes and a really large GGBS silo that I can see from near the C-Café. Occasionally when they are working nearby I get to see the massive PC3000 excavator working!

12.00: This is one of the busiest times of my day. Generally, office-based workers come in first, followed by site workers. The coffee shop is somewhere the workforce are able to grab something quickly if they don't have time to sit down for the full meal that is on offer.

16.00: I'll continue serving more customers in the afternoon until my shift ends at 4 pm. I then ensure my workspace is clean and tidy for the next shift before jumping on the bus home.

The education, skills and employment journey

Right Thea Rogers taking part in a day at Bridgwater and Taunton College inspiring women to consider construction and engineering careers



The Hinkley Point C project is much more than just a power station. We are leaving a long-lasting positive legacy for everyone in the local area and across Somerset. Whether you are at school in Bridgwater or looking for an exciting new career or apprenticeship in one of the country's most exciting projects, it's easier than you think to get involved!

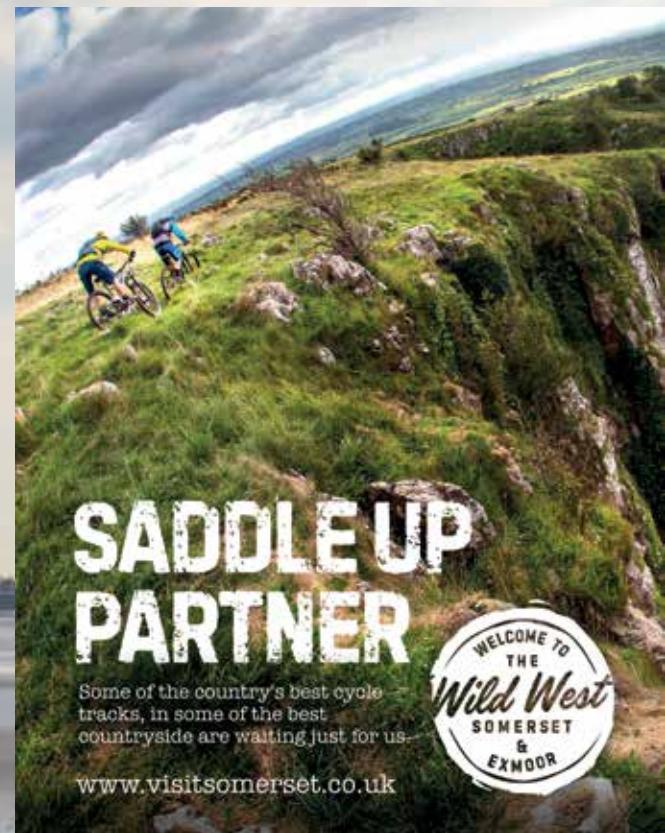
Support for Somerset tourism

Hinkley Point C is proud to call Somerset its home, not just for the 10 years of construction but during the 60 years of operation.

It may not be the first thing that springs to mind with the construction of a new nuclear power station, but an appreciation of Somerset's thriving tourism industry has played a central part in the planning of Hinkley Point C from the outset.

A large amount of planning and plenty of action has already taken place to protect the existing tourism economy and ensure that the industry is in the best possible position to take advantage of the huge investment in the local area. 25,000 employment opportunities across the project not only means a boost to the wider economy, it also represents a major new market for Somerset's tourism businesses.

Since 2015 Visit Somerset, Visit Exmoor National Park, local authorities, the county council and EDF Energy have worked closely with tourism providers on a comprehensive range of projects. Initiatives have been funded through £700,000 investment from



Hinkley Point C. All of these new and collaborative initiatives are looked after by the Hinkley Tourism Action Partnership (HTAP), which meets regularly to assess challenges and find opportunities for development.

Tourism is also supported through additional funds offered by the Hinkley Point C project. For example, the Community Fund, totalling £20 million, has recently provided £500,000 to support the regeneration of tourism in Minehead. The investment is designed to leave a long-term sustainable legacy for the area, supporting the tourism industry well after the completion of the new power station.

Somerset is a fantastic place to live and work and we are pleased to be supporting Somerset's drive to be on the map for visitors across the region, the country and the world!

Some of the biggest successes for HTAP have come from the development of new marketing campaigns for the county delivered both digitally and in more traditional media across the UK and beyond. They are helping to encourage new visitors to the area and support the wide variety of experiences on offer.

Secret Somerset

Who knew that you could trek over a volcano in the Quantock Hills? That you can get married at a Lock Up that inspired the policeman's helmet? Or that Somerset is home to the largest number of breeding pairs of the rare 'Booming' Bittern? These are just some of the secrets that have been opened up to the world as part of the Secret Somerset campaign developed by HTAP.

www.visitsomerset.co.uk/secretsomerset

Secret Somerset Seawalks

The Secret Somerset campaign was followed up by a unique look at some of the county's finest walks – many of which are along stretches of the most beautiful coastlines in the country. Secret Somerset Seawalks opened up these experiences to the UK and beyond, helping visitors to plan a stay and navigate the coast path with a set of planned walks and handy stopovers.

www.visitsomerset.co.uk/secretsomerset/secret-seawalks

The wild west

Most recently, Somerset took to social media across the globe to raise the profile of its 'wild' side: whether it be wild swimming on Exmoor or mountain biking on the Quantocks – the county has a huge amount to offer.

What is HTAP?

The Hinkley Tourism Action Partnership (HTAP) is a unique collaboration of organisations dedicated to supporting tourism in Somerset. It includes representatives from Visit Somerset and Visit Exmoor, local authorities, Somerset County Council and EDF Energy.

The group has been managing EDF Energy's £700,000 tourism investment since 2015 and has already delivered major national advertising and social media campaigns, unique digital innovations such as the Somerset E-Book and industry training support for digital developments. HTAP also keeps a close eye on the industry through a long-term tourism monitoring study. This has shown that the HPC project has made no negative impact on the tourism industry.

The Hinkley Tourism Action Partnership:



Community Fund



If you have a project you think could benefit from investment from the Community Fund, please contact either:



Somerset Community Foundation
www.somersetcf.org.uk
01749 344 949



West Somerset Council
www.westsomersetonline.gov.uk/cim
01643 703 704

So far, £3.5 million has been invested in community projects from the £20 million total Community Fund available.

The Community Fund is a fund for communities surrounding the Hinkley Point C project.

This fund can be used for a range of community projects, from a children's play area to community support teams. Out of the £20 million total fund, £3.5 million has been invested in projects so far, we are already seeing a number of the new facilities completed.

Wembdon Village Hall and Sports Pitches

The Wembdon Village Hall and Sport Pitches is a facility that has been built for both residents of Wembdon and the wider Bridgwater community to use.

The space provides substantial facilities for meetings and events as well as unrivalled sports facilities. It also includes parklands and walking areas for all to use. The Community Fund was able to contribute an investment to complete this high-profile regeneration project.



Left Odie Leete, Trainee Chef at The Beach Hotel, Theatre Kitchen, Minehead
 Above Coronation Park, Sydenham, Bridgwater
 Top right Wembdon Village Hall



The Beach Hotel, Theatre Kitchen, Minehead

The Beach Hotel prides itself on continually sourcing from and working closely with local producers. The food does the talking from a menu that reflects modern English cuisine with a French influence. The Community Fund contributed to the project, allowing the new theatre kitchen to be designed and installed for use by experienced staff and new trainees alike.

Together Team, Sydenham Community Hub and Coronation Park

The Together Team work in partnership with local councils, housing providers and the police to promote a strong sense of community within Sydenham and Bower. The Together Team also seek to increase local community aspirations by encouraging participation and volunteering in order to make the local area an attractive and welcoming place to live, work and enjoy.

Coronation Park and Sydenham Community Hub are two much-needed community projects that the Community Fund was able to provide support to. These venues are designed to bring the community together and to provide activities and space for the community to use.

Trucks help to teach about road safety

Thousands of schoolchildren from across the county have been learning about life as a lorry driver.



Above Hinkley Community Safety Group visits Wembdon Primary School

An initiative developed and delivered by the Hinkley Community Safety Group has helped primary and secondary school young people get hands on and up close with trucks.

In the safe environment of their playgrounds, they are taught how to understand the risks associated with lorries and how to stay safe on their journeys to and from school.

'Safety is our number one priority both on and off-site, and we are delighted to help deliver this really unique initiative.'

Stewart Cameron, Hanson's Hinkley Point C Project Lead

The programme is led by Devon and Somerset Fire and Rescue Services' Community Safety Officer, Chris Jones, and supported by the teams at Hinkley Point C, Avon and Somerset Police and the Somerset Road Safety Partnership. With further support from Hanson and DHL Logistics.

Chris, who is specifically focused on improving community safety for the Hinkley Point C build, said: 'It's much more effective to be able to walk the children around the lorry and show them the blind spots as well as talk about it in the classroom. They could also sit in the cab and see for themselves exactly where their classmates could and couldn't be seen by the driver.'

Hanson is a contract partner on the Hinkley Point C project with its aggregates and concrete being used in the build.

Visitor Centre wins big

Your Hinkley Point Visitor Centre in Bridgwater is award winning.



Above Visitor Centre team with Peter Evans, Hinkley Point B Station Director

EDF Energy's Hinkley Point Visitor Centre has won a top award for the service it provides to local people and those travelling from further afield. Since it opened in December 2012, more than 60,000 people have been through the doors of the centre, which is based in Angel Place Shopping Centre, Bridgwater.

The team's commitment and hard work were recognised in EDF Energy's Generation Performance Innovation Awards, with the Visitor Centre beating off stiff competition to win the Community Champion Innovation Award.

Sherryl Sellick, Visitor Centre Coordinator, who was joined by colleagues to collect the award, said: 'We're very much a one-stop shop for all sorts of enquiries. As well as promoting our Nuclear Generation, Nuclear New Build and renewables activities, we also have a weekly customer services expert who calls in, all of which has helped to make the centre a focus for EDF Energy enquiries in the county.'

The team have also started hosting site tours to Hinkley Point C and so far over 500 people have taken a tour around the construction site.

Visit us: **EDF Energy Visitor Centre, Angel Place Shopping Centre, Bridgwater, TA6 3TQ**
Call us: **0800 096 9650**
Find out more: www.edfenergy.com/visitorcentres



Do you have a spare room?

Advertise it for free through Somerset Homelet



0800 096 7360
hinkley-accommodation@edf-energy.com
www.somersethomelet.co.uk

Competition



Photography competition winner



Photo taken by Jordan Came of Clevedon Pier at sunset. Jordan works at Hinkley Point B and is a keen amateur photographer.

Are you a budding photographer or a photography enthusiast?

Share your photographs taken in and around Somerset with us and in each edition we will publish our favourite. Send your high-resolution photo to: hinkley-enquiries@edf-energy.com with your name and details of where the photograph was taken and what camera you used to capture the shot.

The winner will receive a £50 photography voucher. Our next closing date is 5 December 2017.

Terms and conditions apply:
www.edfenergy.com/content/plugged-photography-competition

