



Investigative works on BRB site

UPDATING YOU ON BRADWELL B

Ahead of preparing our proposals for a new nuclear power station at Bradwell-on-Sea, Essex, we continue to undertake investigative works at the site.

This newsletter aims to keep you up-to-date with our progress. In this edition we take a look at:

- Our #MyBradwell campaign to gather your memories of the area
- Investigative works update
- Engaging in Essex
- Meet the team
- Elsewhere at CGN and EDF
- How to enter our new photo competition

If you have any questions please contact the Bradwell B communications team using the details below:

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INVESTIGATIVE WORKS UPDATE

In order to develop our proposals for Bradwell B, we continue to undertake the investigative works we began in late 2017.

The coming months will see a continuation of geophysical, oceanographic and ecological investigations offshore involving a number of small boats, profiling the seabed and marine environment, and providing data on the tides and currents.

No work will be carried out within any residential area and it is not expected to have an impact on the local community.

During this period several teams of workers wearing high-visibility clothing will be on site. Fencing will be in place in the small areas of the site where investigative work is being carried out.

The image below shows some of the investigative works conducted to date, such as recording groundwater levels at the site using a vibrating wire piezometer.

Once we have sufficient information from our investigations, we will consult with the local community on our initial proposals.



Ground investigations on site

INDICATIVE PROJECT TIMELINE

We are here



early investigative works



preparing proposals



public consultation stages



development consent order application submitted



final investment decision taken



construction begins

5-7 YEARS

CGN AND EDF GROUP

The two investors in the Bradwell B project are CGN and EDF Group. CGN is a major generator of low carbon energy in China and around the world, and is the biggest builder of new nuclear power stations globally. EDF is one of the largest energy companies in the world, with huge experience of the nuclear sector: it owns and operates the existing nuclear fleet in the UK.

The two companies are also working together to build Hinkley Point C and Sizewell C. In the case of Bradwell B, CGN owns 66.5% of the project, and EDF the rest.

GDA CONTINUES FOR HPR1000

The Generic Design Assessment (GDA) of our reactor technology, the HPR1000, by the UK's nuclear regulators continues to progress well.

We are currently in step 3 of the four step process. Detailed information is available to review and comment on, on our GDA website: <http://www.ukhpr1000.co.uk/>.

We are proposing to develop Bradwell B with the HPR1000 reactor. Consents and permissions, separate to the GDA process, would be required to build the new power station, involving detailed public consultation taking place over several years.

ELSEWHERE AT CGN AND EDF

Bradwell B's sister projects are Hinkley Point C (HPC) in Somerset and Sizewell C in Suffolk. Hinkley Point C is currently under construction.

Since our last update, the Hinkley Point C team has announced that the project has already spent more than £1bn working with businesses in the South West, with a further £500m still to come.

6,500 jobs have been created so far in the construction process, with nearly 2,000 of the current workforce living in the local area. Of these, 300 members of staff are under the age of 35, and Hinkley Point C has already created 380 apprenticeships.

These are just a few examples of the huge range of socio-economic benefits that Hinkley Point C will deliver in Somerset. If approved, Bradwell B would bring similar benefits to Essex.



HPC project control apprentices



Students enjoying our Virtual Reality technology at the Colchester Royal Grammar School SciFest



The team meeting businesses at the Essex FSB event

ENGAGING IN ESSEX

Bradwell B would be one of the largest projects in the UK, providing tens of thousands of jobs and requiring a skilled workforce in areas ranging from engineering, logistics, and chemistry, to construction, catering and project management.

As a result, supporting young people to gain the right skills and ultimately providing employment opportunities in Essex are two of our key priorities. It has been great to recently attend a variety of events in Essex related to these aims.

Colchester Royal Grammar School's SciFest and the University of Essex's Big Bang event both took place in March. Visitors to Bradwell B's exhibit at both events had the opportunity to use cutting-edge virtual reality (VR) technology and participate in other interactive activities. The team was also on hand to help inspire secondary school pupils to pursue careers in Science, Technology, Engineering and Mathematics (STEM).

In April, we attended the Essex Federation of Small Businesses (FSB) Expo in Colchester, which was a great opportunity to speak to and engage with different organisations from government and the local business community in Essex. As Bradwell B will need to build a significant supply chain, we are keen to speak to all different kinds of businesses to better understand the area.

BRADWELL B HAS THE POTENTIAL TO PROVIDE



Economic growth



Sustained employment



Enhanced skills provision



MEET THE TEAM: OLLIE



We've been speaking to members of the team already working on site at Bradwell B, to find out about the important work they're doing as part of our early investigations.

For this newsletter we spoke to Ollie, who is currently working on our ground investigations:

How long have you been working on Bradwell B?

I've been involved for quite a long time, since Christmas 2017.

What have you been working on so far?

So far we've done a lot of deep bore holes, drilling to over 100 metres deep. We're now looking at much shallower, more focussed investigations, looking at superficial deposits. Every day we're getting added information and adding valuable knowledge to our ground models.

What have been the best parts about working at Bradwell B?

I enjoy using my geological knowledge and have gained a huge amount of experience from working with other people on site and experiencing all of the different techniques that we're using.

How about the lows?

Last year we had a lot of snow! As Bradwell is exposed it's often very windy and cold, so the lowest moments are probably when you're out on site and very very cold.

#MYBRADWELL – WE WANT TO HEAR YOUR MEMORIES

April 2019 marked 56 years since the official opening of the original Bradwell Power Station. During its lifetime, the station generated nearly 60 terawatt hours of electricity, which is enough energy to power 15 million homes for an entire year.

As we continue to prepare our proposals for Bradwell B, we have also begun to reflect on the history of nuclear power generation in Essex, and now invite you to share your memories with us.

Did you work at Bradwell power station? Do you have any photographs or memories relating to the power station, your colleagues or your family you would like to share? Do you have any memories of the area that you'd like to pass on?

We are creating an online archive documenting Bradwell's history, and along with our own archive photos, videos and other memories, we want to help preserve any memories you would like to share. Please get in touch – you can email us at info@bradwellb.co.uk, or use #MyBradwell on social media.

Keep an eye out for our online archive when it goes live soon!



BRADWELL B ON TWITTER

Don't forget to follow us on Twitter, @CGNBradwellB, for the latest news and updates from the Bradwell B team.



YOUR CHANCE TO WIN

Do you love to take photos around the Blackwater and Dengie Peninsula? If so, why not enter our new photography competition? For a chance to showcase your work with more than 30,000 local people who receive our newsletter, and win a £50 Amazon voucher, we want to see your photos taken in and around the local area.

We will publish the winning photograph in our next newsletter. Simply send your high-resolution image to info@bradwellb.co.uk, along with your full name and details of where the picture was taken.

For terms and conditions, visit www.bradwellb.co.uk/photocompetition

MORE INFORMATION

If you have any questions or require further information, please contact a member of the project team using the details below.

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