



Congratulations to **Anna Halford**, the winner of our first photography competition! Anna sent in this great photo of the **GP14 Open** hosted by Tollesbury Sailing Club on the Blackwater, which took place in June 2019.

## PROGRESS UPDATE

2019 has been a busy year for the Bradwell B project as we have grown our team, undertaken a wide variety of investigative surveys, and continued to prepare our early proposals for the project. At the beginning of the year we welcomed on board our new CEO Alan Raymant and have brought on further experts in engineering, the environment, socio-economics, and transport.

Much of the focus of our work has been on continuing our understanding of the site and the surrounding environment, including:

- Investigative works such as the installation of a mast tower on site to help inform our meteorological studies, and the placing of intertidal temperature sensors and wave and current meters on the seabed of the Blackwater Estuary
- Early transport studies to help us understand the existing

road network, as well as work on marine transport possibilities

- Working to better understand the current skills and education opportunities in Essex in connection to who our future workforce would be

Engagement is a critical part of the project and we have therefore been busy meeting with parish councils and local groups to provide an introduction to the project and get a better understanding of the concerns and priorities of local people. We will conduct multiple rounds of formal public consultation over several years before submitting an application for development consent. We will widely advertise the first stage of consultation ahead of it starting and look forward to discussing our ideas and receiving the community's input.



## UPDATING YOU ON BRADWELL B

This newsletter keeps you up to date as we prepare proposals for the Bradwell B nuclear power station in Bradwell-on-Sea, Essex.

Articles in this edition include:

- The benefits of Bradwell B
- GDA process update
- MyBradwell – get involved!
- Education and Bradwell B
- Meet the team

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

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## THE BENEFITS OF BRADWELL B

Bradwell B has the potential to bring significant benefits to the region and the UK. Nuclear power is a vital component, together with renewable energy, in achieving the UK's target of net zero carbon emissions by 2050. It has been providing low-carbon baseload power for more than 60 years and is currently the largest single source of clean power going into the National Grid.

Should we receive all relevant consents and permissions, the construction of Bradwell B would also be one of the largest projects in the UK, bringing significant investment into the local economy every year and creating thousands of employment and apprenticeship opportunities. The benefits our sister project Hinkley Point C (HPC) is already delivering in Somerset are a good indication of what can be expected in Essex. Last year, HPC announced that they had already spent more than £1bn working with businesses in the South West. Essex and the Eastern Region have also been directly benefiting from the HPC project, with £924m spent here since 2016.

## GDA PROCESS UPDATE

In parallel to preparing proposals for Bradwell B is the Generic Design Assessment (GDA) of our proposed reactor technology, the UKHPR1000. The GDA process is used by the UK nuclear regulators (the Office for Nuclear Regulation and the Environment Agency) to assess new nuclear designs. It allows the regulators to assess the safety, security and environmental implications of new reactor designs, separately from applications to build them at specific sites.

For the past year, the ONR has been considering public comments received as part of Step 3 of the GDA. The Environment Agency is continuing to accept comments for this step and will later consult on its findings. Regardless of the specific steps in the GDA process however, all comments received from the public will be considered by the regulators up until around four months before the overall GDA's conclusion.

If you wish to submit a comment, or would like more information on the GDA process, you can visit [www.ukhpr1000.co.uk](http://www.ukhpr1000.co.uk)

## 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.

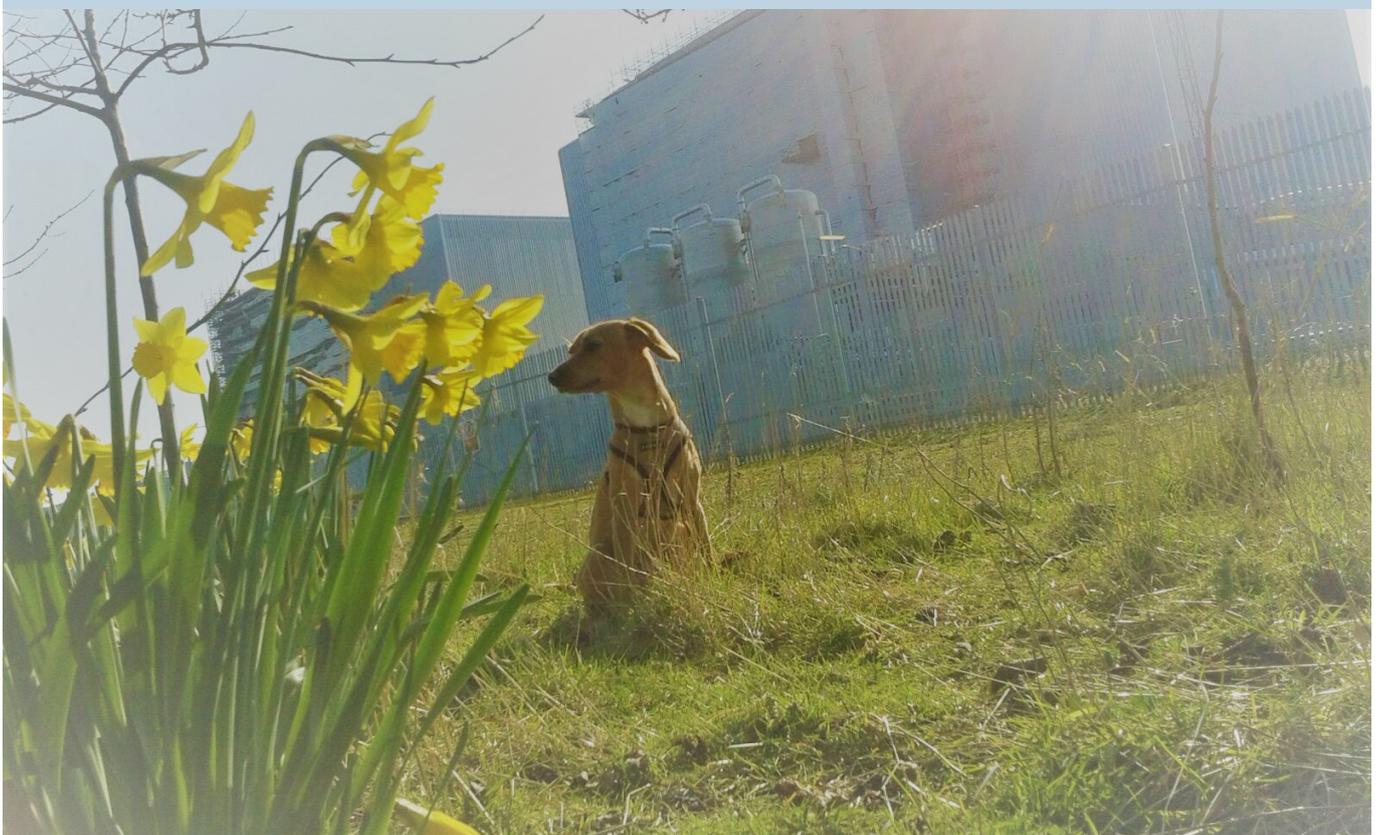
The two companies are also working together to build Hinkley Point C and Sizewell C. In the case of Bradwell B, CGN owns 66.5% of the project, and EDF the rest.

## YOUR CHANCE TO WIN

Do you love to take photos around the Blackwater and Dengie Peninsula? We're reopening our photography competition to new entries, so why not enter for a chance to showcase your work with more than 40,000 local people who receive our newsletter!

**Winners also receive a £50 Amazon gift card.**

We will publish the winning photograph in our next newsletter. Simply send your high-resolution image to [info@bradwellb.co.uk](mailto: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](http://www.bradwellb.co.uk/photocompetition).



Congratulations to Roy Folkard, who received a Special Commendation for his entry to our first photography competition! Roy sent in this photo from a walk with his dog Rudi, a Whippet Cross, with the original Bradwell power station in the background.

## MYBRADWELL – GET INVOLVED!

In August 2019 we were proud to launch MyBradwell, an interactive archive to celebrate the memories of communities in and around Bradwell, the Blackwater Estuary and across the Dengie Peninsula.

The Dengie, with its long history of nuclear power and energy generation, hosts thousands of memories in the minds of generations of workers, their families and the communities they have lived amongst. Having marked 56 years since the opening of the original Bradwell nuclear power station last year, we have started to collate memories of Bradwell and the surrounding area.

Pictured on this page are some of the memories we have received to date, including a staff photo from 1958, and a more recent photo from 2019 of a former member of staff revisiting the station he helped to build.

We invite anyone who worked at the original station, has friends or family with close ties to the station, or those who have fond memories of the area to get in touch with their memories. We hope to continue to grow MyBradwell in partnership with local people as we develop our proposals for Bradwell B.

You can view the archive online by visiting [mybradwell.bradwellb.co.uk](http://mybradwell.bradwellb.co.uk), where you can also submit memories. You can also submit content by emailing [info@bradwellb.co.uk](mailto:info@bradwellb.co.uk) or by using [#MyBradwell](https://twitter.com/MyBradwell) on social media.



Visit [mybradwell.bradwellb.co.uk](http://mybradwell.bradwellb.co.uk)

## YOUR MEMORIES

# 1958

Mr B George, who worked for Sir Robert McAlpine on the construction of the original station between 1957 and 1964, sent us this great group staff photo from 1958.

**Are you one of the people pictured?**  
If so, we'd love to hear from you!



# 2019

Mr Miller was a plumber who worked on the construction of the original station, and last year celebrated his 80th birthday by taking a walk along the seafront to the power station he helped build!



## MEET THE TEAM: HELEN



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 investigative works.

For this newsletter we spoke to Helen, who has been working on our ground investigations.

### How did you get involved in geology work?

I used to work offshore on an oil rig. When oil prices started to drop, I decided a career change was probably a good idea. I stumbled upon Structural Soils and got myself a job. I've continued doing what I used to do offshore but on land instead. It's a good shift - it's better for the environment and sustainable, unlike the oil industry.

### Would you recommend this work as a career?

Yes, I would recommend it - it's an interesting career! You go to different sites and end up doing completely different things every day. Nothing is ever the same - it's challenging in a good way.

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

It's very interesting geology on-site at the moment. On a typical day we would come out to the rigs, the drillers would set up and collect the samples from a given depth. Then we would take it and split it open, analyse it, log it, then correlate it with the other samples already undertaken.



## BRADWELL B ON TWITTER

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

## EDUCATION, BRADWELL B AND GRADUATE OPPORTUNITIES

The construction and operation of Bradwell B will require a significant workforce – tens of thousands of jobs will be created requiring a range of different skills.

### Encouraging STEM careers

It is early days for the project but we are already thinking about the future. We are keen to work with local schools, colleges and other educational establishments in order to engage with young people and inspire them towards pursuing careers in STEM (Science, Technology, Engineering and Mathematics) subjects.

Local people in Essex will play a significant part in Bradwell B's story. In 2019 we attended a number of skills events, including the Chelmsford Skills Festival in July, where we spoke to 450+ Year 8 students about exciting future careers in nuclear power.

### Engineering Masters Opportunities

Bradwell B can also open the door to international opportunity for UK students. Two UK graduates joined us at CGN UK and BRB in November, following two years at one of the top universities in China completing a Masters in engineering (TUNEM). Some of their fellow students joined us for a tour of the BRB site in the summer (pictured below). If you'd like more information about TUNEM do get in touch or see this link:

<http://www.ep.tsinghua.edu.cn/en/>



## 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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