



Map showing our early proposals for Bradwell B. See the detail on the inside pages

Updating you on Bradwell B

Keeping you informed on our proposals for Bradwell B, a new nuclear power station in Bradwell-on-Sea, Essex.

Articles in this edition include:

- Have your say before 1st July
- What is Bradwell B?
- Why should you respond?
- What happens next?
- Ways to get involved

If you have any questions, please contact the Bradwell B communications team.

Freephone information line:

01621 451 451

Email: feedback@bradwellb.co.uk

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Stage One Consultation closes on Wednesday 1st July

On behalf of the Bradwell B project, I'd like to thank you for taking the time to feedback your comments on our initial proposals for a new nuclear power station at Bradwell-on-Sea.

If you haven't responded yet, please make sure you have your say before the consultation closes on 1st July, so we can make sure your views are taken into account as we further develop the project.

Bradwell B will be a huge undertaking, involving roads, rail, sea transport, education, jobs, the environment, housing, business and more across the region.

Your opinion matters, so please look on the back page for details on how to give your feedback.



Yours sincerely,

Alan Raymant

Chief Executive Officer

Bradwell Power Generation Company Limited

What is Bradwell B?

Bradwell B is a proposed new nuclear power station that would generate enough electricity to power around four million homes across the UK.

It would be built on land immediately to the south and east of the existing Bradwell power station, next to the Blackwater Estuary on the Dengie Peninsula.

Once operational, there will be long-term sustainable jobs for up to 900 people for at least 60 years, with tens of thousands of jobs during construction. Approximately 3,000 jobs at peak will be filled by people living within a 90-minute commute.



Computer generated image of the indicative Bradwell B site

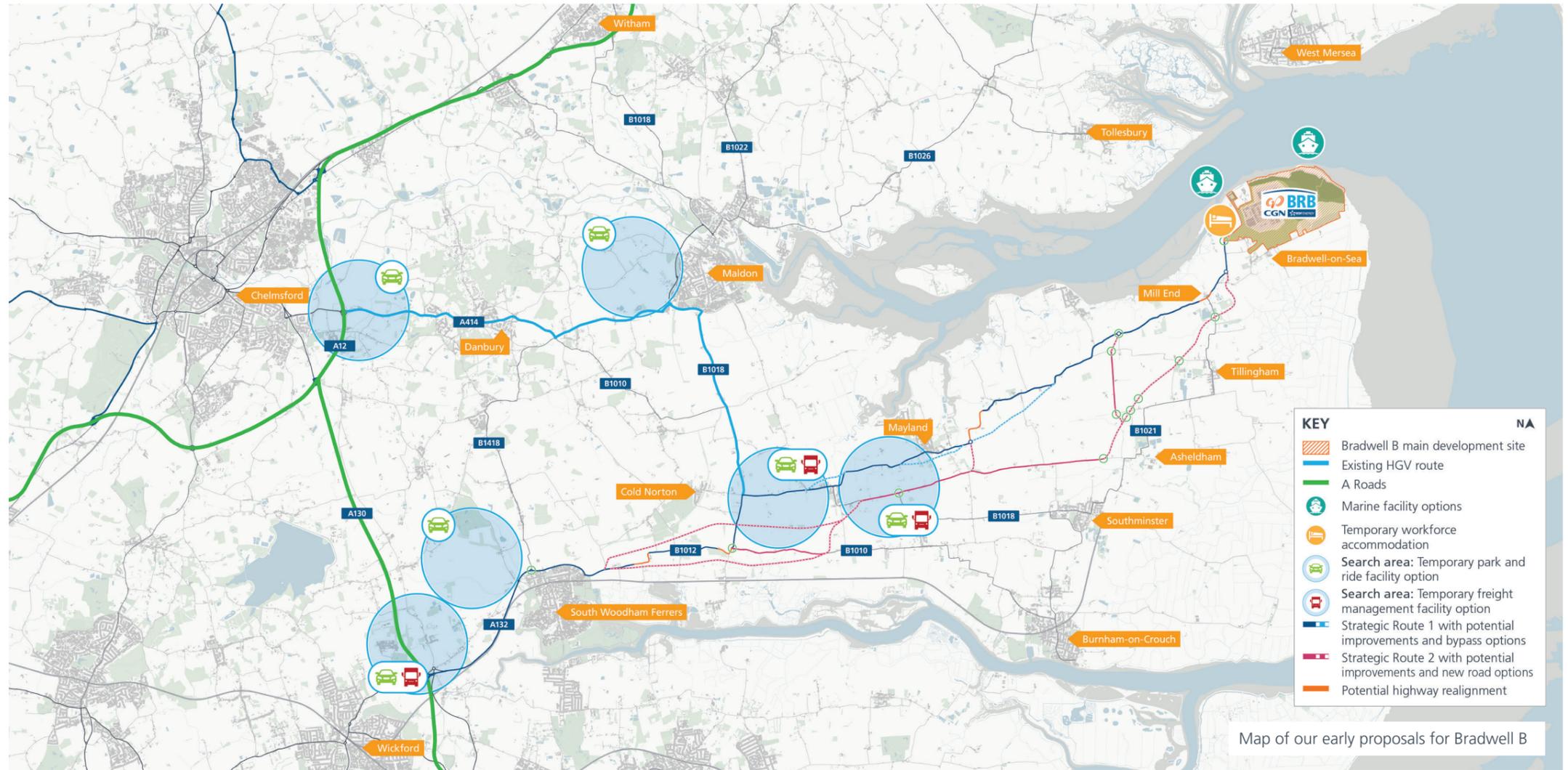
The site

Bradwell B would comprise a number of components, each contributing to its safe and secure operation. Together, these components would form the 'permanent development':

- Main power blocks - two UK HPR1000 reactor units each comprising a reactor containment building and a turbine hall;
- Balance of Plant - facilities and equipment that facilitate the operation of the power station;
- Cooling water infrastructure - forebay, pump houses, water treatment, cooling towers and cooling water tunnels which extend out to the sea;
- Power transmission infrastructure - connection to a new 400kV substation to be provided by National Grid;
- Fuel and waste storage facilities - including interim storage for nuclear waste and spent fuel;
- Ancillary buildings - offices, welfare facilities, security and emergency response; and
- Security facilities - fencing, checkpoints to control access, as well as lighting.

Why should you respond?

During this consultation we are providing information on all aspects of the Bradwell B project, including our approach to building it, operating it, and even how we will be decommissioning it at the end of its anticipated 60-year life. As you will see from the consultation documents, the project will have impacts and benefits across the Dengie Peninsula and wider region.



Map of our early proposals for Bradwell B

Associated Development across the Dengie Peninsula

Some associated developments will be needed to support construction, such as park and ride sites, marine transport facilities and road improvements.

Transport

Building Bradwell B would involve the daily movement of large numbers of construction workers and significant amounts of materials. The Bradwell B site is located away from major roads and there is no existing rail or port infrastructure close to the site. We are developing a transport strategy which aims to address this challenge, as shown in the map above.

Our early assessment has identified potential strategic routes to get construction traffic to the site with various options proposed within these routes.

Strategic Route 1 (shown in dark blue on the map) broadly follows existing roads from the A130/A132 junction via the South Woodham Ferrers ring road, Lower Burnham Road, Fambridge Road, the B1018 and Steeple Road to the Bradwell B site.

Strategic Route 2 (shown in pink on the map) is a combination of improvements to existing roads and new sections of road, with associated junction improvements. It would run from the A130/A132 junction via the South Woodham Ferrers ring road, Lower Burnham Road and the B1010 to link back into the eastern part of the Strategic Route 1 near the site.

Freight management

Chelmsford and Southminster are the nearest points of access to the site for freight rail traffic and several rail interchanges exist in the surrounding area, including a number co-located with port facilities, supporting the movement of materials by sea. We understand that there are significant capacity constraints within the network, particularly around Shenfield, with limited opportunity for improvements. Discussions with Network Rail are ongoing to confirm the potential for moving freight to the site via rail.

Sea Transport

We are investigating opportunities for bringing bulk materials and other construction cargo to site by sea to reduce the number of HGVs on local roads, and aim to bring 50% of construction materials to the site by marine transport (supported by rail to nearby muster ports). We are also proposing to use sea transport to move items that are too large or heavy to be moved by road.



We are considering the use of one or more freight management facilities to serve as holding areas for HGVs, helping to manage timing and flow of vehicles to the Bradwell B site. We have identified three search areas. A freight management facility would have parking for approximately 100 HGVs and could be located with a proposed park and ride facility, if practical.

Park and Ride

We have identified six search areas where park and ride facilities could be located (see map above). We anticipate needing one large site, accommodating around 1,600 spaces, near Cold Norton or Mayland, and potentially one or more smaller facilities in the other search areas.

Accommodation

We are proposing to provide high-quality temporary workforce accommodation, phased to cater for up to 4,500 people during the busiest construction period.

This would mean workers can walk to work, significantly reducing the number of car and bus journeys to site.

What happens next?

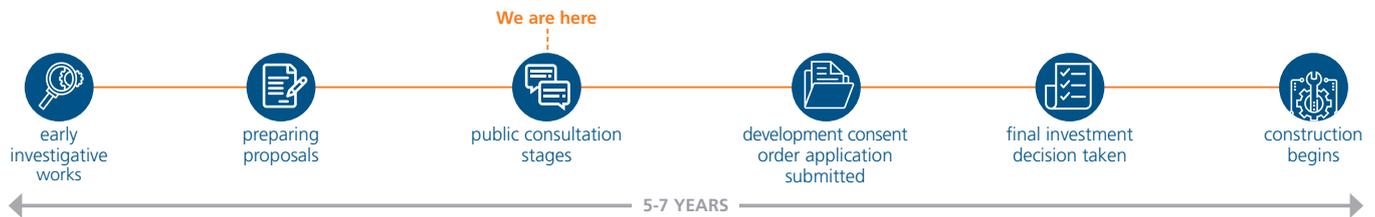
This is our first consultation on proposals for Bradwell B, but it will not be our last. There will be more opportunities in the future to have your say before we submit our application for a development consent order.

If you would like to find out more about this process, please visit the Planning Inspectorate's website:

<https://infrastructure.planninginspectorate.gov.uk/application-process/the-process/>

We will be continuing to engage with stakeholders, communities, businesses and community groups across the region as our plans develop over the coming years.

If you have any questions about the project please do get in touch (details below).



Benefits of our proposals



Whilst solar, wind and other renewable energy sources will play an important part in meeting the government's goal of net zero greenhouse gas emissions by 2050, nuclear energy will be vital in meeting the UK's baseload electricity needs.



We will help local businesses be part of the new supply chains Bradwell B would create.



Building Bradwell B would create tens of thousands of jobs and deliver billions of pounds of investment in the local and regional economies.



We estimate that around 3,000 of these at-peak jobs could be filled by local people already living within 90 minutes of the site.



Over 10,000 people years' worth of work available locally during construction.



Our initial proposals are for a twin reactor power station, able to generate enough low-carbon electricity to power around four million homes.

How to respond to our consultation

See below how to find out more information and give us your feedback. Remember, the consultation is coming to a close at **11.59pm on 1st July**, so all feedback needs to be in by then.

To learn about our proposals:



Read the **Stage One Consultation Summary Document**, and find out more detail in the **Stage One Consultation Document**



View a **virtual version** of our public exhibition events online



Check out our website: www.bradwellb.co.uk



Call **01621 451 451** during normal office hours



Follow us on Twitter **@CGNBradwellB**

To respond to the consultation:



Post your written responses to **Freepost Bradwell B Consultation** (no stamp or further address required)



Email your comments to: **feedback@bradwellb.co.uk**



Complete a questionnaire online, or download a hard copy and post it back to us



Call **01621 451 451** during normal office hours