

Welcome to Dengie Marshes Wind Farm

The team at Dengie Marshes Wind Farm have identified an opportunity for a new renewable energy project, known as Dengie Marshes Wind Farm.

We are in the early stages of development and look forward to working with stakeholders and the community throughout the project's lifecycle.

Our early proposals include up to 17 turbines, battery energy storage, and other related infrastructure.

We encourage you to read the information on display today and speak to the project team to ask any questions you may have about the proposals.

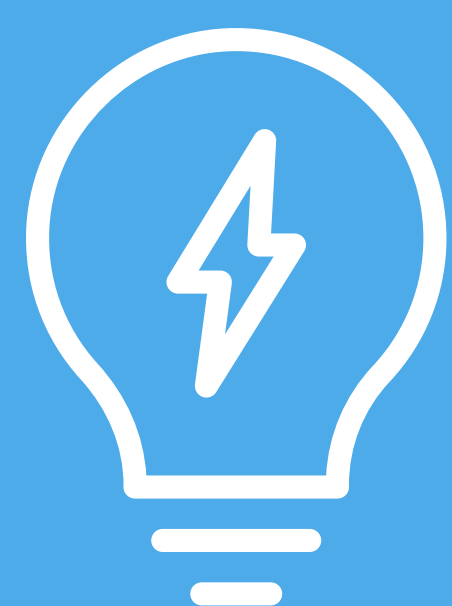
Benefits



Generating up to **120MW**, enough to **power 100,000 homes** – equivalent to all the homes in Maldon District Council three times over



Making **significant contributions through a community benefit fund** of up to £600,000 per annum



Potentially providing **discounted electricity**, and a significant business rate contribution



Producing **clean, homegrown power** to keep the UK's energy supply secure



Scan the QR code to be taken to our website and provide your feedback.

About Dengie Marshes Wind Farm

Dengie Marshes Wind Farm is a joint development between local landowners D.J. Fisher (Farms), J D Mee & Sons, Parker Farms, Strutt and Parker Farms, and UK-based independent energy company, Naseby Energy.

Naseby Energy is at the forefront of the UK's drive for clean power and the team have extensive experience in the development, construction, ownership and operation of wind farms.

Key milestones include:

January - February 2025:

Stage one public consultation on search area, developing site layout, ongoing environmental surveys

March - April 2025:

Stage two public consultation on draft site layout, updating of design proposals

Summer 2025:

Submission of planning application to Maldon District Council

Autumn & Winter 2025:

Ongoing engagement on community benefits, environmental surveys and statutory consultation by Maldon District Council

Summer 2026:

Expected planning determination

Why onshore wind?

The delivery of large-scale renewable energy, like the plans for Dengie Wind Farm, is an urgent, national priority. Onshore wind is one of the cheapest forms of energy available in the UK and has a critical role in achieving both local and national energy targets.

How do wind turbines work?

Wind turbines consist of a set of blades forming a rotor, connected via a driveshaft to a box containing the generator (called a nacelle).

This assembly is mounted on a tower to provide ground clearance and access the stronger winds higher up. The wind - even just a gentle breeze - makes the rotor spin, creating kinetic energy. The rotation turns the shaft in the nacelle which spins a generator to convert this kinetic energy into electrical energy.

Why here?

The Dengie Peninsula is an ideal location for onshore wind for several reasons including:

- Proven suitability for wind in a rural location, helping to create a diverse energy system and protecting bill payers from future price shocks
- Proximity to the 132kV grid connection at the Rayleigh substation, where there is capacity for the electricity generated to be connected to the National Grid
- Potential for construction access via a marine transfer facility, minimising construction impacts
- Opportunity to safeguard ecologically sensitive areas off the coast

Protecting and enhancing the environment

The environment is a key consideration informing how we design the project. We want to find opportunities to both enhance the environment and minimise and/or mitigate any negative impacts.

The project is one that requires an Environmental Impact Assessment (EIA). We are currently developing an EIA Scoping Report which will set out our approach to the environmental assessment to establish what information may be needed to identify any likely significant effects.

The EIA Scoping Report will also set out the methods to be followed, using established industry guidelines and is being completed by experienced and qualified professionals in a wide range of environmental fields.

We are meeting with local planning officers and other stakeholders to share details and get their feedback on the project and our proposed approach to the EIA.

Some of the key environmental matters that we have been surveying since 2023 include:



Air quality and climate



Ecology and biodiversity



Historic environment



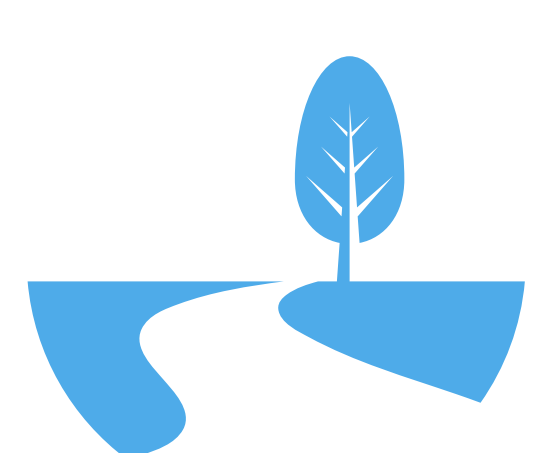
Noise and vibration



Land use



Traffic and transport



Landscape and visual effects



Waste and natural resources



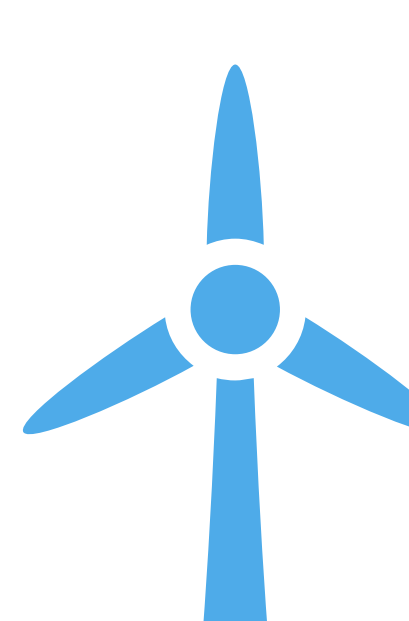
Aviation and radar



Cumulative effects and alternatives



Hydrology and flood risk



Shadow flicker

Our early proposals

The search area has been defined considering factors and designations such as the Dengie National Nature Reserve, major settlements, and the three existing wind farms - Turncole, Middlewick, and Bradwell. We are committed to working with local interest groups to build our understanding and ensure the proposal responds to local knowledge and expertise.



The proposals include:

- **Wind Turbines:** up to 17 turbines with a maximum height of 225m to blade tip
- **Battery Energy Storage System (BESS):** to ensure grid stability by storing energy for peak periods and balancing the grid
- **Supporting infrastructure:** such as a marine transfer facility for construction, access tracks, crane pads, underground cables, drainage systems, and a substation
- **Grid Connection:** underground electricity cables will connect the site to the existing substation at Rayleigh. These will be installed by the Distribution Network Operator and are not part of the planning application
- **Areas for biodiversity net gain and ecological enhancements,** to provide on-site benefits to the local environment such as new feeding areas for birds

We will listen to and review feedback from this consultation to refine this search area and develop the site layout.

You will have another opportunity to comment on the site layout before we submit our planning application.

Our Approach to Key Environmental Factors

Traffic and Transport

A Transport Assessment will be conducted to evaluate construction traffic impacts, with mitigation measures outlined in a Construction Traffic Management Plan (CTMP). The assessment will follow national guidelines and involve close consultation with key stakeholders to ensure effective traffic management.

Measures we're considering include:

- Localised road improvements
- Marine transfer for abnormal loads reusing existing facility at the mouth of the River Crouch
- Managing temporary diversions of public rights of way
- Minimising traffic increases during operation to ensure no significant long-term effects

Landscape and visual effects

Our approach to visual impact assessment follows best practice guidance, including Natural Scotland, Natural England and Defra's Landscape and Seascape Character Assessments and the Guidelines for Landscape and Visual Impact Assessment. We will determine potential visual receptors through desk-based studies and site visits, and representative viewpoints will be agreed with Maldon District Council.

The visual impact assessment will consider:

- Potential effects on landscape character
- Views from sensitive receptors
- Residential visual amenity
- Shadow flicker
- Glint and glare
- Night-time lighting assessments

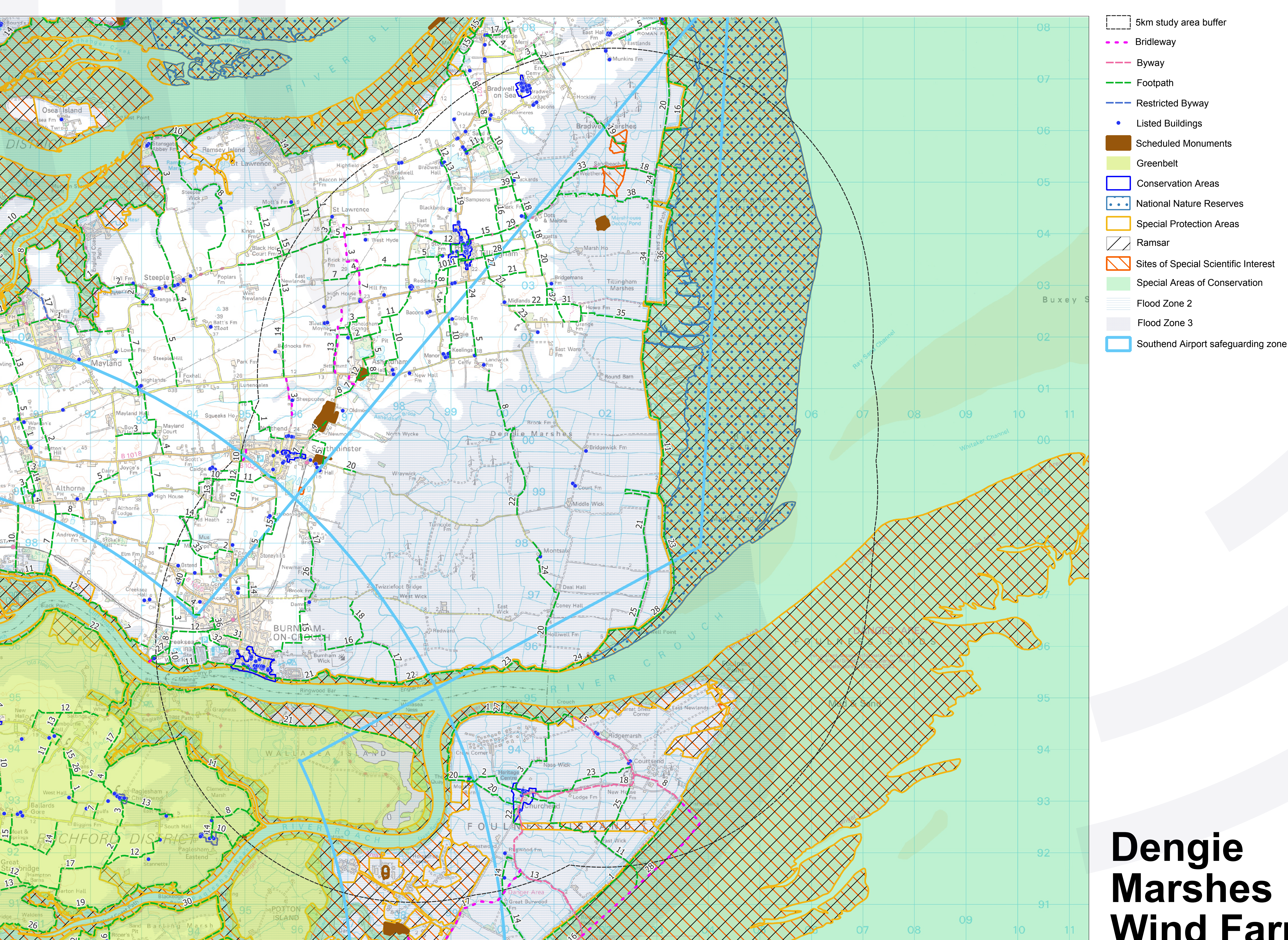
Our Approach to Key Environmental Factors

Ecology and Biodiversity

Our approach to natural heritage prioritises the safeguarding of important habitats and minimising disturbance to wildlife while enhancing biodiversity. The site is adjacent to several internationally and nationally designated nature conservation areas, including Ramsar sites, Special Protection Areas, and Sites of Special Scientific Interest, supporting a variety of protected species such as badgers, water voles, otters, bats, birds, amphibians, and reptiles.

Measures to protect wildlife include:

- Enhancing existing habits and creating new habitats to achieve biodiversity
- Conducting surveys to inform targeted protections
- Evaluating potential effects through an Environmental Impact Assessment using industry-standard methodologies, including the Chartered Institute of Ecology and Environmental Management guidelines and a Habitats Regulations Assessment, ensuring compliance with conservation requirements
- Protecting over-wintering and breeding birds on the Dengie Marshes such as wildfowl, waders, raptors and owls



Have your say on Dengie Marshes Wind Farm

Your views are important to us, and we want to ensure that the project and community benefits fund reflects what is most important to the local community.

This includes addressing concerns and taking on board feedback where possible.

Our team is committed to an open, inclusive approach to consultation. We look forward to working with you to ensure Dengie Marshes Wind Farm delivers meaningful benefits for the community and the environment.

Thank you for your interest in Dengie Marshes Wind Farm.

Together, we can create a sustainable energy future for Maldon and beyond.



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