



MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Consultation Report Annex

Annex E1.3: Non-statutory consultation 2 November – 13 December 2022



September 2024
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Prepared by:

RPS

Prepared for:

**Morgan Offshore Wind Limited
Morecambe Offshore Windfarm Ltd**

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E1.3 Non-statutory consultation 2 November – 13 December 2022

E1.3.1 Early engagement - written communication to stakeholders

E1.3.1.1 Morgan and Mona Offshore Wind Projects written communication to stakeholders July 2021



Irish Sea wind lease update (C-00122) Internal 14 07 2021 14:33

GENERAL INFORMATION

Original email

[Irish Sea wind lease update.eml](#)

Title

Irish Sea wind lease update

Description

Dear

I just wanted to get in touch to introduce you to Morgan and Mona, the major offshore wind development in the Irish Sea by bp and its German partner Energie Baden-Wuerttemberg AG (EnBW). We are working towards supplying energy to the UK grid from 2028 onwards.

You will be able to find out the latest information on the project at [enbw-bp.com](#), including details of the consultation process.

bp and EnBW have together been selected as the preferred bidder for these two major leases in the UK Offshore Wind Round 4, the first such UK leasing round since 2010.

This marks bp's entry to the UK's offshore wind power sector, currently the largest in the world, and is further progress towards bp rapidly building a world-class wind energy business. With EnBW, bp is also bidding in the current ScotWind round and we've announced that we are bidding to develop offshore wind energy with partners in the Norwegian North Sea.

Morgan and Mona, both located in the Irish sea, offer a combined potential generating capacity of three gigawatts (GW), the maximum award possible under the rules of the round, and a 60-year lease life. Once operational, this generating capacity would be sufficient to power the equivalent of more than 3.4 million UK households with clean electricity.

We are not at a point yet where we know the agreed location of the connections to the National Grid, or where our operating bases will be.

We will be engaging with landowners in your area very soon to carry out surveys for potential cable routes and connection locations.

We have started initial marine survey work and have appointed a fisheries liaison team of Marine Space and the National Federation of Fisheries Organisations to work with local fishing communities around the Irish Sea coast. We are seeking to minimize impact through planning and engagement and will provide compensation as necessary under established protocols.

We will be consulting with communities and stakeholders, with informal engagement starting shortly and feeding into formal community consultations in 2022 to support our application for Development Consent Orders.

Please let us know if you would like to discuss this development any further, or if you have any queries regarding bp more generally and our Net Zero ambition.

Kind regards,

[REDACTED]

[REDACTED]
Government Affairs Advisor | BP plc

E1.3.1.2 Morecambe Offshore Windfarm written communication to stakeholders October 2021

Invitation to introductory meeting with the Morecambe Offshore Windfarm

Hello

Cobra and Flotation Energy are Joint Venture project partners for Morecambe Offshore Windfarm which has nominal capacity of 480 MW. Preferred bidder status for the 60 year lease was awarded by The Crown Estate as part of the Offshore Wind Leasing Round 4.

As such, we are a Nationally Significant Infrastructure Project. This means that we have a number of pre-application duties relating to consultation and environmental assessment before we can submit our Development Consent Order application in Quarter one of 2024.

To kick start this process, we would like to invite your organisation to meet with our team to provide an overview of the Project; and to share how your organisation can help shape our thinking from the earliest stage through the Evidence Plan Process.

The agenda will cover:

- Welcome and introductions
- Project overview
- Site Selection (An overview of the methodology, process and update on work undertaken to date)
- EIA Scoping Approach
- The Evidence Plan Process (EPP) - (Agreeing the structure of ETG groups, meeting attendance, points of contact)
- Outline Schedule
- Date of next meeting

We are looking to arrange meetings between 10:00-12:00am or 14:00-16:00 in the weeks beginning 22 November 2021; or 29 November 2021.

Please can you advise of your availability and who would be best to attend from your organisation to [REDACTED]

Kind regards,

E1.3.2 Postcards

E1.3.2.1 North-West England

Have your say – Morecambe and Morgan Offshore Wind Farms

Consultation open from 2 November to 13 December 2022

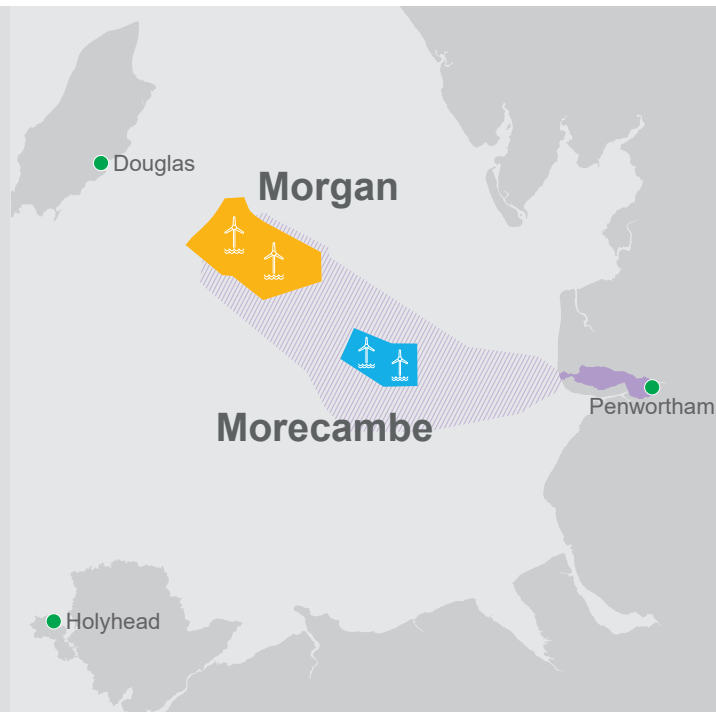
Morecambe and Morgan are two new offshore wind farms being developed in the Irish Sea. The Morecambe project is being led by Cobra and Flotation Energy, while Energie Baden-Württemberg AG (EnBW) and bp are leading the Morgan project.

We are now consulting on the proposals for these two wind farms, along with their shared connection to the electricity network.

We are writing to you as you may be interested in our projects. This consultation is your chance to find out more about our early plans and give us any information that you think could help improve our projects' design.

Get in touch

We are asking for your feedback on our proposals at a very early stage in our planning. We will consider all the comments we receive, alongside our further technical and environmental surveying work.



You can provide your feedback to us by: →

Find out more here
←



www.morecambeandmorgan.com



info@morecambeandmorgan.com



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0800 915 2493

Meet the team

As part of the consultation, we are holding a series of public events. These are a great way to meet our team, find out about the projects and ask any questions you might have.

Consultation events

3 Nov	3pm-7pm	Douglas Borough Council, Town Hall, Ridgeway Street, Douglas, Isle of Man, IM99 1AD
19 Nov	2.30pm-6.30pm	Morecambe War Memorial Hall Church St, Morecambe LA4 5PR
21 Nov	3pm-7pm	Lytham Assembly Rooms Dicconson Terrace, Lytham FY8 5JY
23 Nov	3pm-7pm	Hutton Village Hall Moor Ln, Hutton, Preston PR4 5SE
24 Nov	3pm-7pm	The Gild Hall Church Rd, Formby, Liverpool L37 3NG

Online events

10 Nov	6.30pm-8pm	We are also holding a webinar, to register to attend visit: www.morecambeandmorgan.com
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E1.3.2.2 Isle of Man

Have your say – Morecambe and Morgan Offshore Wind Farms

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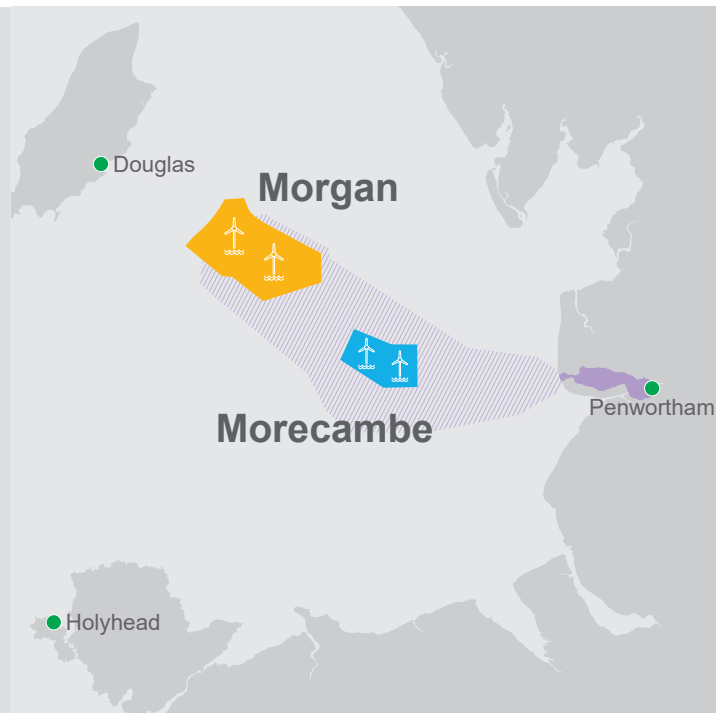
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E1.3.3 Poster

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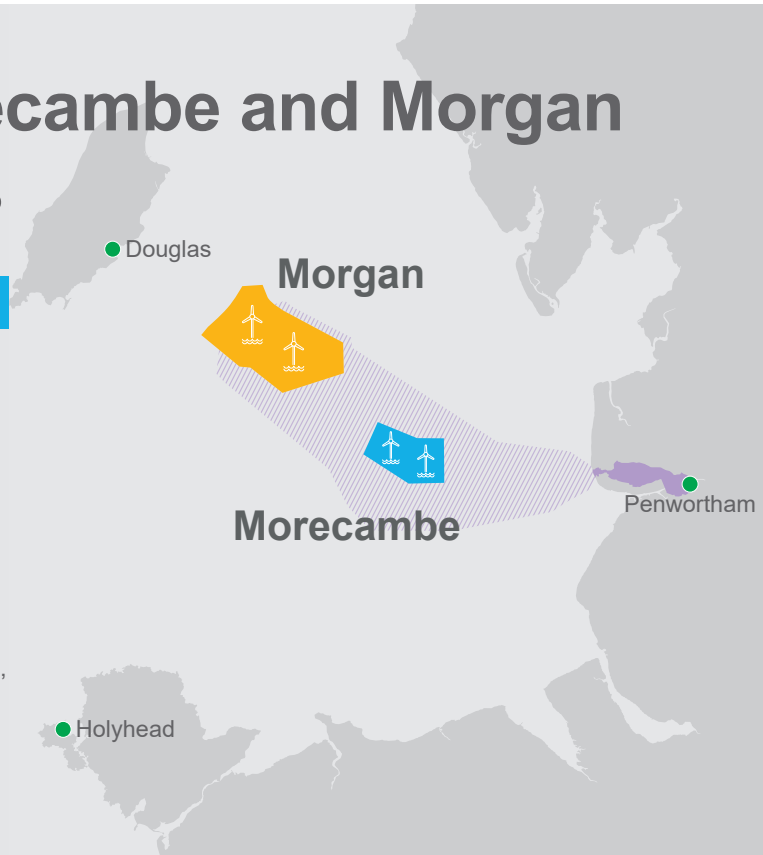
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24 Nov	3pm-7pm	The Gild Hall Church Rd, Formby, Liverpool L37 3NG



Pop-up events

18 Nov	10am-1pm	Barrow-in-Furness Leisure Centre Greengate St, Barrow-in-Furness LA13 9DT
22 Nov	10am-1pm	Fleetwood YMCA Leisure Centre Espalande, Fleetwood FY7 6HF
22 Nov	2:30pm-4:30pm	Blackpool Tourist Information Centre , Promenade, Blackpool FY1 1AP
23 Nov	10am-1pm	Preston Fishergate Shopping Centre , Preston PR1 8HJ
24 Nov	10am-1pm	Southport Eco Centre Esplanade, Southport PR8 1RX
30 Nov	10am-1pm	Amlwch Town Hall Amlwch LL68 9EN

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E1.3.4 Printed advertisements

E1.3.4.1 Lancashire Evening Post 2 November 2022

OPINION

Life on Tapp

with Blaise Tapp

House guest who accidentally puts a spring in my step

It probably won't come as a surprise to anybody who owns a decent pair of binoculars and is a fan of Bill Oddie that it has been proven that birdsong is good for the soul.

Unless you are a particular brand of ignoramus, there surely cannot be anyone who doesn't afford even the faintest of smiles whenever they hear the chatter and tweets of our feathered friends.

Over the past fortnight, I've been getting up extra early to walk the dog who is currently lodging with us and feel all the better for it.



Those of you who have an uncanny knack of retaining useless information, may recall that one of my main objections to full-time dog ownership was

the fact that I would become chief dog walker, never mind honorary poo bag carrier.

I have been proven completely right and my continued

Dog walking is good for the soul

resistance to the idea of ownership of any pet that isn't in a tank of some description has been fully justified.

We have, however, discovered the perfect compromise and, on average, we look after a content pug called George once a week.

He's the reason why I'm currently getting out more regularly than I have since the days when I pounded the streets while pushing a baby who would only go to sleep when on the move.

While it isn't much fun being a reluctant spectator whenever he squats down to

do his business, I do take great pleasure in being able to escape the high octane madness of breakfast time at our house to walk our borrowed little pal around a green oasis that has been slowly transformed by the community.

Getting there just before sunrise means that I'm not only treated to the dawn chorus but am also regularly greeted by the resident mallards, in search of their first meal of the day.

Do these encounters mean that I maintain Ainsley Harriott levels of jolliness for the majority of my working day? That might be pushing it, but that 10 minute early-morning brush with nature is particularly important when the spare room doubles up as the office and the only exercise available to me is opening and closing the fridge door.

Not everybody can get out into the country, not every community is lucky enough to have green spaces.



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E1.3.4.2 Daily Post 2 November 2022

Car seen going wrong way on A55 sliproad



■ The moment a car came down the wrong way of the A55 slip road in Abergele

OTHER VEHICLES SWERVE TO AVOID IT

By **THOMAS LEWIS**
thomas.lewis@reachplc.com

THIS is the moment a car came hurtling the wrong way down a slip road off the A55.

The incident, which happened at around 2.30pm on Monday, saw two vehicles having to swerve to avoid the oncoming car.

It is unclear whether the vehicle had driven the wrong way down the main A55 road or just the slip road.

The incident took place near Three-ways Garage in Abergele, Conwy county.

One worried onlooker described the incident as a “near miss” given the fact that two vehicles had to avoid the oncoming car.

The witness said: “I didn’t see where the car had come from, whether it had come off the A55 or not, but it was coming down the slip road the wrong way and two cars had to swerve out of the way to

avoid it.”

They continued: “The car then just joined the roundabout the correct way and drove off.

“It was very strange, it was a near miss really - thankfully the two cars driving towards it weren’t going faster as there could easily have been a collision.

“It’s not really what you expect to see in the middle of the afternoon. Thankfully it was relatively quiet, traffic-wise.”

Patient died after catheter fitted at hospital

A MAN died after his bladder was ruptured while having a catheter fitted, an inquest opening heard.

John Richard Currie, of Well Street in Cefn Mawr, Wrexham passed away on Thursday, October 20.

The 75-year-old taxi driver was undergoing the procedure at the Wrexham Maelor Hospital at the time. At an inquest opening held at Ruthin County Hal, John Gittins, senior coroner for North Wales east and central, heard that Mr Currie’s bladder was pierced during catheterising and that this “may have played a part in his passing”.

A provisional cause of death of acute peritonitis and ruptured bladder on the background of subdural haematoma and chronic leukaemia was provided at the inquest opening.

The inquest was adjourned to a future date yet to be fixed pending further investigation.

BEWARE THE ‘WILLY WONKA’ CHOCOLATE THIEF SAY POLICE

By **ANDREW FORGRAVE**

A THIEF nicknamed “Willy Wonka” by police is said to be prowling Wrexham on the lookout for chocolate.

Police have issued a warning to the public after five sweet-toothed heists were carried out in the city centre.

Wrexham inspector Luke Hughes of North Wales Police said the thief has taken a “significant quantity of chocolate”.

Police fear the plundered confectionary is being sold to unsuspecting candy lovers.

Insp Hughes said: “It looks like we have an emerging chocolate thief.

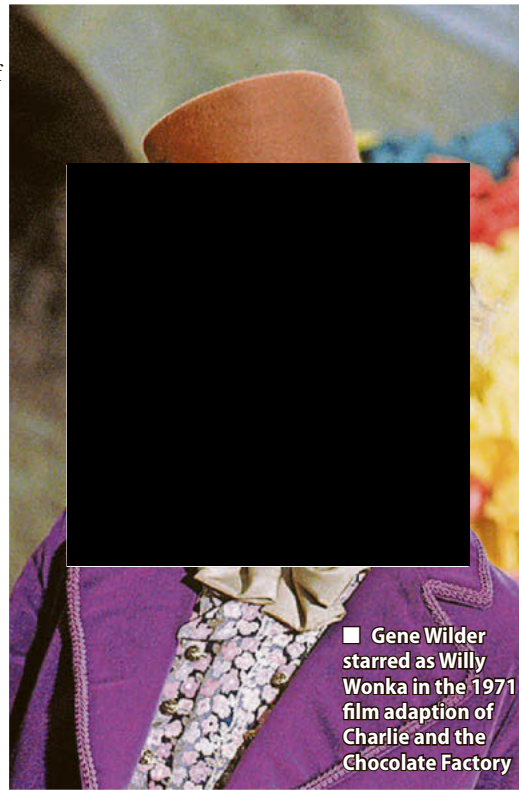
“It is reported that on five occasions, Mr Wonka has attended a location in the city centre and helped himself to a significant quantity of chocolate. He either has a very sweet tooth or is selling them on - or both.”

Willy Wonka became an enduring figure of fascination for generations of children when he first appeared in Roald Dahl’s novel Charlie and the Chocolate Factory.

In the book, five Golden Tickets are hidden in Wonka’s chocolate bars, corresponding to the number of chocolate thefts reported in Wrexham. Ticket finders were guaranteed a lifetime supply of chocolate.

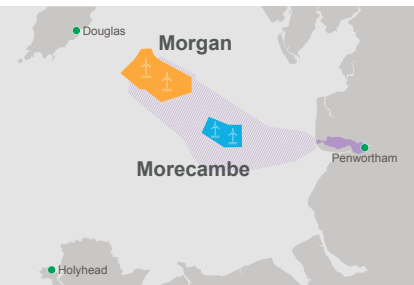
Insp Hughes is asking the public for their help in tracking down the city’s chocoholic. He suggested people be wary if approached by an unofficial chocolate seller.

The inspector said: “Help us stop Mr Wonka in his tracks, and don’t buy his dubious wares. I’m not sure where he conceals them, but I doubt he has a five on his food hygiene rating, so it’s really not worth the risk for a couple of warm Mars Bars.”



Partners in UK offshore wind

Have your say – Morecambe and Morgan Offshore Wind Farms



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This consultation is your chance to find out more about our early plans and give us any information that you think could help improve our projects’ design.

Get in touch

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Meet the team

As part of our consultation, we are holding an event on the Isle of Anglesey. This is a great way to meet our team, find out about the projects and ask any questions you might have.

Pop-up events

30 Nov 10am- 1pm **Amlwch Town Hall**
Amlwch LL68 9EN

Online events

10 Nov 6:30pm- 8pm We are also holding a webinar, to register to attend visit: www.morecambeandmorgan.com



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E1.3.5 Media release, outlet list and media coverage

E1.3.5.1 Media release



Partners in UK offshore wind

FOR IMMEDIATE RELEASE
2 NOVEMBER 2022

Consultation launched for Morecambe and Morgan offshore wind farms

The developers of the Morecambe and Morgan offshore wind projects have launched a consultation on their proposals to develop two offshore wind farms in the Irish Sea.

These wind farms are being developed by separate joint venture companies, working towards a common goal of helping the UK to achieve its net zero ambitions and, specifically, of reaching offshore wind generation goals. Morecambe Offshore Windfarm Limited (Morecambe OWL), a joint venture between Cobra Instalaciones y Servicios, S.A. and Flotation Energy Ltd, is developing the Morecambe Offshore Windfarm. Morgan Offshore Wind Limited (Morgan OWL), a joint venture between bp and Energie Baden-Württemberg AG (EnBW), is developing the Morgan Offshore Wind Project. The two joint venture companies are collaborating to connect the wind farms to the electricity transmission network.

Together, these two wind farms have the potential to power more than two million households with clean energy. Combined with EnBW and bp's Mona offshore wind farm (also in the Irish Sea), the trio will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030.

Renewable energy is central to supporting the UK's ambitions to lead the world in combatting climate change, reducing our reliance on fossil fuels and embracing a future where renewable energy powers our homes and businesses.

The two wind farms and their joint transmission assets will form three separate applications for development consent which will all be determined by the Secretary of State for Business, Energy and Industrial Strategy. At this stage, a single non-statutory consultation is being held on all three projects to help communities and other stakeholders understand how the three projects will be integrated with each other.

A spokesperson for Cobra and Flotation Energy, joint venture project partners for Morecambe Offshore Windfarm Ltd, said:

"Morecambe Offshore Windfarm will play an essential part in the UK journey to net zero.

Our commitment to care for the environment and consideration of other marine users is shown by the windfarm's location on a previously developed seabed.

By collaborating with Morgan to deliver the first industry-led coordinated transmission infrastructure we can continue to reduce our impact on others through co-location. This will make it easier for communities to engage with us."

A spokesperson for EnBW and bp, joint venture project partners for Morgan Offshore Wind Ltd, said:

"With the potential to power more than two million UK households, Morgan and Morecambe will play a key role in delivering secure, low carbon energy to the UK. We are absolutely committed to making sure we deliver this in a way that works for people that live and work in the areas where they are located. That's why bp and EnBW are collaborating with Cobra and Flotation Energy to ensure that as we develop both projects, we minimise our impact whilst delivering 1.5GW of home-grown energy to UK households. Your feedback will help us develop the best possible plans and I look forward to working with the community and our partners."

Local residents and other stakeholders are now being invited to have their say on the proposals as part of the projects' first, non-statutory consultation. The consultation will run from 2 November – 13 December, with the development partners seeking feedback on the two wind farms and their connection to the electricity network. It is also the first opportunity for people to understand the collaboration between the two projects and the broad details of how each will be developed.

The consultation is running for six weeks, with public exhibitions taking place across the north west coastline and on the Isle of Man. Those wishing to participate in the consultation can view all consultation materials, see full details of upcoming events, and submit feedback, on the project website: www.morecambeandmorgan.com.

Further consultations on the projects will follow in 2023.

-ENDS-

Notes to editor:

- 1) The Projects received a Direction under Section 35 of the Planning Act 2008 (as amended), from the Department of Business, Energy and Industrial Strategy, that the Morecambe Offshore Windfarm and the Morgan Offshore Wind Project grid connection infrastructure be treated as development for which development consent is required. The Projects have now jointly made a request to the Planning Inspectorate for a Scoping Opinion for Morecambe and Morgan's Transmission Assets.
- 2) Cobra Instalaciones y Servicios, S.A. and Flotation Energy plc are Joint Venture project partners for Morecambe Offshore Windfarm which has nominal capacity of 480 MW. Preferred bidder status for the 60 year lease was awarded by The Crown Estate as part of the Offshore Wind Leasing Round 4.
- 3) Cobra Instalaciones y Servicios, S.A. is a worldwide leader with more than 75 years of experience in the development, construction and management of industrial infrastructure and energy projects. Cobra has an international presence in Europe, Asia, Africa and the Americas. In recent years the company has focused on renewable energy projects, including onshore & offshore wind and solar power including a specialised floating wind farm business. Cobra has a business culture that is focused on quality and excellence stemming from its greatest asset; it's employees.
- 4) Flotation Energy plc has a growing project pipeline of offshore wind projects more than 12GW in the UK, Ireland, Taiwan, Japan and Australia and plans to expand into many more key markets. The expertise of the Flotation Energy team lies in the project and engineering management of large infrastructure projects. Flotation Energy have developed their own projects but also recognise the benefits of collaboration and working in partnership with other developers to deliver proven, cost-effective solutions.
- 5) EnBW and bp are joint venture partners for Morgan Offshore Wind Project, which has nominal capacity of 1.5GW. Preferred bidder status for the 60 year lease was awarded by The Crown Estate as part of the Offshore Wind Leasing Round 4.
- 6) EnBW Energie Baden-Württemberg AG is one of the largest energy supply companies in Germany and supplies electricity, gas, water, energy solutions and energy industry services to around 5.5 million customers. We have a workforce of more than 23,000 employees. Half of the EnBW generation portfolio will be comprised of renewable energies by 2025. Further expanding renewables in Germany and selected European markets is a central element of EnBW's growth strategy. Since the beginning of its corporate transformation in 2013, EnBW has successfully invested nearly €5 billion in its renewable energies segment. Around another €4 billion is to be invested by 2025, primarily in further expanding wind and solar energy, meaning that a good 50 per cent of EnBW's generation portfolio will consist of renewables. EnBW was among the pioneers in offshore wind power with its Baltic 1 offshore wind farm in the Baltic Sea. In January



Partners in UK offshore wind

2020, the company took into operation Germany's largest offshore wind power project, EnBW Hohe See and Albatros, with a combined capacity of 609 megawatts (MW). The He Dreiht offshore wind farm with a capacity of around 900MW is planned to connect to the grid in 2025. He Dreiht will operate without any state subsidies.

- 7) bp's purpose is to reimagine energy for people and our planet. bp has set out an ambition to be a net zero company by 2050, or sooner, and help the world get to net zero. This strategy will see bp transform from an international oil company producing resources - to an integrated energy company providing solutions to customers. bp already has a significant onshore wind business in the US with a gross generating capacity of 1.7GW, operating nine wind assets across the country as well as a 5.2GW net offshore pipeline.

Further information

Contacts

Morecambe:

bp:

EnBW,

E1.3.5.2 Media release outlet list

Outlets

Isle of Man Today

Isles FM

Manx Radio

Lancs Live

Lancashire Evening Post

BBC Radio Lancashire

This is Lancashire

Lancashire Telegraph

Blackpool Gazette

Wigan Post

Wigan Observer

Fleetwood Weekly News

The Daily Post

E1.3.5.3 Media coverage: Energy FM



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Download the App

ON SMART DEVICES
Say "Play Energy FM"

Consultation session over planned wind farms

Tue, 01 Nov 2022

A consultation is underway with views wanted on the Morcambe and Morgan Offshore Wind Farms.

The two new wind farms are being developed in the Irish Sea.

A 480 MW capacity wind turbine scheme by Offshore Wind Limited to be constructed west of Blackpool and south west of Morecambe Bay, and a 1,500 MW scheme by a consortium of EnBW and BP, west of Morecambe Bay.

A consultation event will be held at Douglas Town Hall on Thursday between 3pm and 7pm.



On-Air Now

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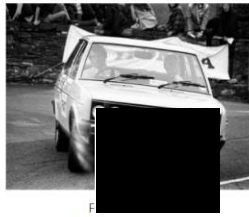
the SOUND
Greatest Hits and Easy Listening

More News Stories



Fri, 29 Dec 2023

Year 8 students to be offered HPV vaccine



Fri, 29 Dec 2023

Tributes paid to former Southern 100 Stalwart Jack Wood



Fri, 29 Dec 2023

Mayor urges business support for 'inspiring' young people



Fri, 29 Dec 2023

Work underway to stabilise area following landslip on Mountain Road



Fri, 29 Dec 2023

Be flood prepared: Free sandbags at Civic Amenity Sites



Thu, 28 Dec 2023

Yellow warning for coastal overtopping



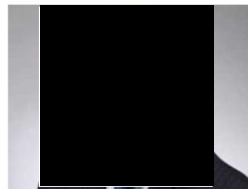
Thu, 28 Dec 2023

Drop-in session in Jurby to give feedback on Manx health care



Thu, 28 Dec 2023

Appeal to near-miss crash in Port St Mary



Wed, 27 Dec 2023

Politician Leonard Singer passes away

Facebook

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29 minutes ago

Highlights of the seminar will include an introduction by Maria Bridson, in which she will share her expert insights on moving people and businesses to the Isle of Man.

News Archive

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E1.3.5.4 Media coverage: North Lancashire's Beyond Radio

Plans unveiled to build new offshore windfarms off Morecambe Bay

News Home

More from Local News

Wednesday, 2 November 2022 19:45



Plans are being developed to build new offshore windfarms off the Morecambe Bay coast.

Proposals have been unveiled for 'Morecambe' and 'Morgan', two new offshore wind farms being developed in the Irish Sea.

Morecambe Offshore Windfarm Limited, a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra) and Flotation Energy Ltd., is developing the Morecambe Offshore Windfarm.

Morgan Offshore Wind Limited, a joint venture between bp and Energie Baden-Württemberg AG (EnBW), is developing the Morgan Offshore Wind Project.

These two wind farms, situated in the Irish Sea, would together generate almost 2GW of energy, and the two joint venture companies say they are collaborating to connect the wind farms to the electricity transmission network.

Plans are still in the early stages. Currently, ongoing technical and environmental survey work is taking place, with a non-statutory consultation planned in the coming weeks.

As part of this, they are holding a series of public events, where people can find out about the project and ask any questions.

Locally, this will take place on Saturday, November 19, 2.30pm - 6.30pm, at Morecambe War Memorial Hall on Church Street.



A spokesperson for the projects said: "Early consultation with local communities and consultees is a key part of this process, so that feedback on potential social and environmental impacts, opportunities and potential mitigation measures can be considered in advance of an application being made.

"This consultation represents the first opportunity for local communities and other stakeholders to understand the collaboration between the two projects and broad details of how each will be developed. We welcome feedback on any aspect of the information we're sharing on the projects.

E1.3.5.5 Media coverage: Lancashire Evening Post

Environment

Wind farms: Have your say on plans for offshore windfarms and cabling plans across Lancashire

By Catherine Musgrove



Published 4th Nov 2022, 15:45 BST

Consultations are taking place across Lancashire to gauge residents' feelings about the wind farms planned for the Lancashire coast.

Meetings will be taking place in [Morecambe](#), [Lytham](#), Hutton, Preston, Fleetwood and Formby to discuss the "early plans" for two windfarms in the Irish Sea – as well as cabling to get the power to the [National Grid](#).

What's the background?

A 480 MW capacity wind turbine scheme by Offshore Wind Limited is to be constructed west of Blackpool and south west of Morecambe Bay, and a 1,500 MW scheme by a consortium of EnBW and BP, is to be built off the coast of Barrow-In-Furness, west of Morecambe Bay.



A windfarm off Liverpool Bay, off the coast of North Wales. PA Photo. Issue date: Thursday October 27, 2022.

In July the National Grid announced that its substation in Howick Cross Lane, Penwortham, will be expanded and upgraded to store and distribute the power generated by these windfarms.

Landowners in South Ribble are now being sought to discuss ownership rights for cabling.


>>>[Click here](#) to find out if your land is affected.

South Ribble MP Katherine Fletcher said Penwortham was set to be "at the heart of the future of Britain's electricity" as part of a nationwide effort for energy security in the wake of the illegal invasion of Ukraine.

When are the events?

There are 11 events being held from now until November 30.

Full details of where and when can be found at

<https://www.morecambeandmorgan.com/have-your-say/> 

An online event will also be held on Thursday, November 10 for people unable to attend the in-person meetings. This will run from 6.30pm-8pm and members of the public will be able to pose questions.

Feedback about the projects can also be given in writing.

Send an email to: info@morecambeandmorgan.com or use the address:
Freepost MORECAMBE AND MORGAN

"First opportunity"

The company say: "This consultation represents the first opportunity for local communities and other stakeholders to understand the collaboration between the two projects and broad details of how each will be developed. We welcome feedback on any aspect of the information we're sharing on the projects.

"To help us develop our proposals further we're asking for your feedback on our early plans.

"We're carrying out lots of our own technical and environmental assessments but people living near to the proposals have local knowledge we would really value."

The Post has asked for more information on cabling through South Ribble farmland to the substation in Penwortham, but is yet to hear back.

E1.3.5.6 Media coverage: BBC News

Isle of Man Steam Packet fears wind farm plans may disrupt UK routes

© 7 November 2022



The Steam Packet said the proposed Irish Sea wind farms could impact its rough weather routes

Plans to build two new offshore wind farms in the Irish Sea could disrupt Isle of Man ferry services, a Manx operator has warned.

Energy firms have proposed projects named Morgan and Morecambe in areas between the island and Lancashire.

The Isle of Man Steam Packet Company said the developments could cause navigation issues for its sailings to Liverpool and Heysham in bad weather.

But the project's backers said it was possible to find "ways to co-exist".

It comes after the firms behind the proposed developments launched a consultation on the plans.

Flyers have been distributed to Manx residents outlining proposals for the Morgan wind farm, led by BP and German energy firm EnBW, and the Morecambe wind farm, led by Spanish company Cobra and Scottish wind power developer Flotation Energy.

The installations, which could be operational by 2030, would connect to the UK's national grid at Penwortham in Lancashire and have the "potential to power more than two million UK households with clean energy", the firms said.

'Cumulative affect'

The Steam Packet said the developments could lead to a "lack of open sea room", affecting its ferries' rough weather routes and leading to more cancellations and delays.

Sailing longer distances to navigate through the planned wind farms would lead to greater carbon emissions and the "cumulative effect" of the projects could impact on the viability of its routes, the statement added.

In a statement, the group of firms said they understood the "vital importance" of the island's ferry routes, and were "working closely with marine stakeholders", including the Steam Packet.

Ship traffic data and risk modelling of the area had been conducted in order to establish a "deeper understanding each other's operations", the statement added.

EnBW and BP have also proposed a third wind farm in the Irish Sea, named Mona.

Wind farms 'a risk in busy Irish Sea' - Manx ferry boss

🕒 12 November 2022



| Steam Packet Managing Director Brian Thomson said the farms could cause delays

Plans for two offshore UK wind farms could risk maritime safety in a "busy part of the Irish sea", the Isle of Man Steam Packet Company boss has said.

Brian Thomson raised concerns the Morgan and Morecambe proposals would not only affect ferries, but cruise ships and other marine operators.

The energy companies behind the farms previously said they could find "ways to co-exist" in the Irish Sea.

Mr Thomson said current plans were a "potential threat" to key sea routes.

Officers from the Steam Packet and the Department of Infrastructure (DOI) have attended workshops held by BP, German energy firm EnBW, Spanish company Cobra and Scottish wind power developer Flotation Energy.

The four are consulting on their plans for two separate offshore wind farms which fall on the Isle of Man Steam Packet's routes to Liverpool and Heysham.

'Early stage'

Infrastructure Minister Chris Thomas said the Manx government was doing "everything we can to make sure our interests are heard and actually secured".

He added: "This is still at quite an early stage in the UK planning process."

The wind farms are intended to deliver renewable energy to the equivalent of two million homes in the UK, the developers have said.

Mr Thomson said the Steam Packet was not against the farms but said there were "not a lot of positives there for the travelling public or our freight customers".

The firm previously explained its rough weather routes would be affected by the plans, leading to more cancellations and delays disrupting food supply and passengers.

Any proposal for a corridor between the farms would "need to be wide enough for all the maritime transport in that part of the Irish sea", he added.

"I think the smaller you make that corridor, the closer ships get to each other and the likelihood of an accident increases."

E1.3.5.7 Media coverage: Isle of Man Today

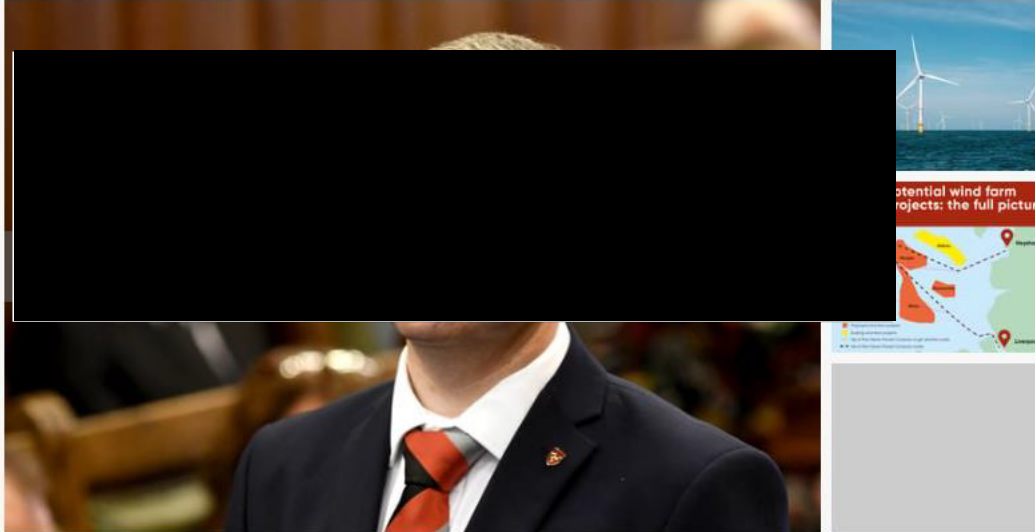
Speaker questions windfarm

By Liam Grimley

Wednesday 23rd November 2022 12:00 pm

Liam.Grimley@tomtoday.co.im

SHARE



Juan Watterson is sworn in as an MHK in the first sitting of the new administration following the 2021 general election -

Speaker of the [House of Keys Juan Watterson](#) has voiced his concerns regarding the proposed Morecambe and Morgan offshore windfarms in the Irish Sea.

The windfarms are projected to generate almost two gigawatts of energy.

The Rushen MHK wrote to Morecambe Offshore Windfarm Ltd and Morgan, the companies behind the windfarms, laying out the issues he has with the new plans.

Mr Watterson said: 'I am extremely concerned as to the lack of a safe shipping corridor to facilitate shipping from the Isle of Man to Liverpool and Heysham without a significant detour, which will have significant consequences for our island and the Irish Sea environment.

'Notably, the increase in fossil fuel use for the diversion will be significant, journey times will be significantly increased with a consequent loss of viability of the sea route.'

This follows the news that the companies have started a consultation into the projects.

The consultation began two weeks ago and runs until December 13.

Mr Watterson said: 'There is no doubt of the great need for the increased capacity for offshore wind in the Irish Sea, so generally I am supportive of the policy objectives.

‘However, this is of significant concern to our island and the links between us and Liverpool and Heysham.’

As we reported recently, the [Steam Packet](#) has also voiced its opinions of the projects and urged people to answer the Morecambe and Morgan consultation to ensure that they are ‘aware of the overall cumulative picture’ rather than ‘viewing projects in isolation’.

The company is worried that the new windfarms could cause the cancellation of more services.

It particularly has issues with the ‘cumulative effect the numerous Irish Sea wind farm projects could have on the viability of the lifeline routes serving our island.’

Mr Watterson agreed with this sentiment and wanted clarity from the developers in regards to the affect it will have on sea travel to and from the Isle of Man.

He asked: ‘Can you please provide reassurance that a safe shipping corridor through this windfarm will be available to the Isle of Man Steam Packet Company in order to prevent any disruption to this lifeline for our island?’

l To view the consultation and find out more information about the projects, visit the developments’ website morecambeandmorgan.com or call 0800 915 2493.

MORE ABOUT:

[Juan Watterson](#)
[Steam Packet](#)

[House of Keys](#)

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E1.3.6 Stakeholder email and distribution list

E1.3.6.1 Stakeholder email 2 November 2022

[View this email in your browser](#)



Non-statutory consultation on proposed wind farms in the Irish Sea

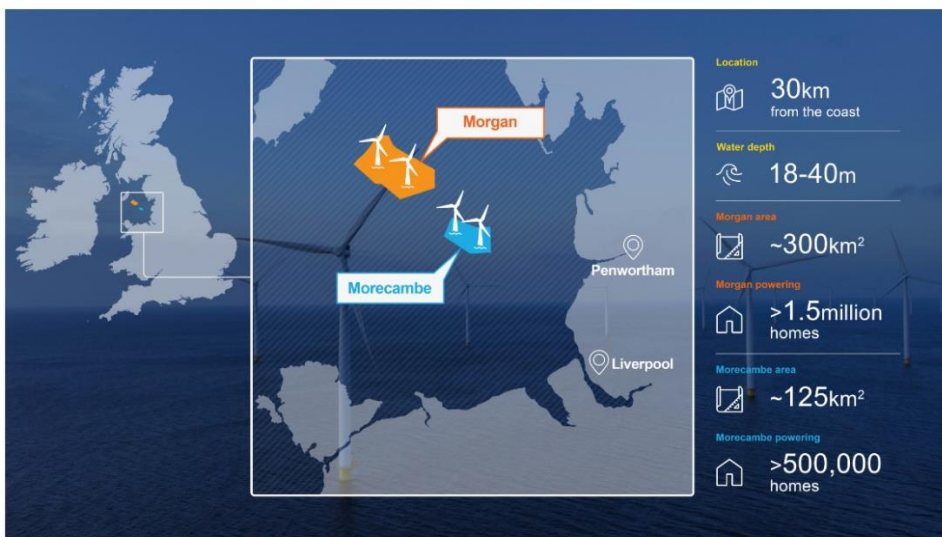
Good morning

The developers of the Morecambe and Morgan offshore wind projects have launched a consultation on their proposals to develop two offshore wind projects in the Irish Sea.

Renewable energy is central to supporting the UK's ambitions to lead the world in combatting climate change, reducing our reliance on fossil fuels and embracing a future where renewable energy powers our homes and businesses.

Together, these two wind farms have the potential to power more than two million households with clean energy. Combined with EnBW and bp's Mona offshore wind farm (also in the Irish Sea), the trio will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030.

These wind farms are being developed by separate joint venture companies, working towards a common goal of helping the UK to achieve its net zero ambitions and, specifically, of reaching offshore wind generation goals. Morecambe Offshore Windfarm Limited (Morecambe OWL), a joint venture between Cobra Instalaciones y Servicios, S.A. and Flotation Energy Ltd, is developing the Morecambe Offshore Windfarm. Morgan Offshore Wind Limited (Morgan OWL), a joint venture between bp and Energie Baden-Wurttemberg AG (EnBW), is developing the Morgan Offshore Wind Project. The two joint venture companies are collaborating to connect the wind farms to the electricity transmission network.



The two wind farms and their joint transmission assets will form three separate applications for development consent which will all be determined by the Secretary of State for Business, Energy and Industrial Strategy. At this stage, a single non-statutory consultation is being held on all three projects to help communities and other stakeholders understand how the three projects will be integrated with each other.

The consultation launches today and runs for six weeks, from 2 November to 13 December 2022. The aim of the consultation is to introduce our projects, share our early plans and give stakeholders and members of the public the opportunity to have their say. The feedback we receive will help influence the detailed design of the projects and help us develop the best possible proposals.

You can view all of our consultation materials, see our full calendar of online and in-person events, and submit feedback on the consultation website: <http://www.morecambeandmorgan.com/>.

We would be happy to welcome you to any of our events to discuss our projects in more detail. We can also arrange for our team to provide a briefing about the projects if this would be of interest to you.

In the meantime, should you have any questions please don't hesitate to get in touch via email at info@morecambeandmorgan.com or by calling 0800 915 2493.

We look forward to receiving your feedback.

E1.3.6.2 Stakeholder email 2 November 2022 distribution list

Organisation	Number of contacts consulted (one unless otherwise stated)
Ambition North Wales	
Amlwch Community Council	
Amlwch Harbour	
Andreas Commissioners	
Anglesey Tourism Association	
Arbory and Rushen Parish Commissioners	
Ballakermeen High School	
Ballaugh Parish Commissioners	
Blackpool District Council	4 x contacts consulted
Braddan Parish Commissioners	
Bride Parish Commissioners	
Bryning-with-Warton Parish Council	
Burrow in Furness District Council	
Business In The Community Wales	
Cadw	
Castletown Commissioners	
Castletown Harbour	
CBI Wales	
Chorley District Council	2 x contacts consulted
Clerk of Tynwald, Secretary of the House of Keys and Counsel to the Speaker	
Clwyd-Powys Archaeology Trust	
Clwyd-Powys Archaeology Trust	
Copeland District Council	
Country Land and Business Association (CLA) Wales	
Cylch-y-Garn Community Council	
Cyngor Sir Ynys Môn / Isle of Anglesey County Council	
Cyngor Sir Ynys Môn / Isle of Anglesey County Council, Councillor for Talybolion	3 x contacts consulted
Cyngor Sir Ynys Môn / Isle of Anglesey County Council, Councillor for Twrcelyn	3 x contacts consulted
Cyngor Sir Ynys Môn / Isle of Anglesey County Council, Councillor for Lligwy	3 x contacts consulted

Organisation	Number of contacts consulted (one unless otherwise stated)
Cyngor Sir Ynys Môn / Isle of Anglesey County Council, Councillor for Seiriol	3 x contacts consulted
Department for Environment, Food and Agriculture	
Department for Infrastructure	
Deputy President of Tynwald	
Derbyhaven Harbour	
Derwent Water Marina	
Douglas Borough Council	
Douglas Borough Council, Councillor for Douglas Central	4 x contacts consulted
Douglas Borough Council, Councillor for Douglas East	3 x contacts consulted
Douglas Borough Council, Councillor for Douglas North	2 x contacts consulted
Douglas Borough Council, Councillor for Douglas South	3 x contacts consulted
Douglas Harbour	
Environment Agency	
Federation of Small Businesses Wales	
Freckleton Parish Council	
Friends of the Isle of Anglesey Coastal Path	
Fylde District Council	2 x contacts consulted
Garff Commissioners	
German Parish Commissioners	
Gwynedd Business Network Limited	
Heritage - Aura Wales	
Holyhead Port Authority	
Holyhead Sailing Club	
Hutton Parish Council	
Isle of Anglesey Council	2 x contacts consulted
Isle of Man Business Network	2 x contacts consulted
Isle of Man Chamber of Commerce	
Joint Nature Conservation Committee	
Jurby Parish Commissioners	
Kirkham Town Council	

Organisation	Number of contacts consulted (one unless otherwise stated)
Knowsley District Council	2 x contacts consulted
Lake District National Park Authority	
Lancashire County Council	5 x contacts consulted
Lancaster District Council	2 x contacts consulted
Laxey Harbour	
Lea & Cottam Parish Council	
Lezayre Parish Commissioners	
Liverpool District Council	2 x contacts consulted
Llanbadrig Community Council	
Llaneilian Community Council	
Llanfaethlu Community Council	
Llanfairfechan Sailing Club	
Longton Parish Council	
Malew Commissioners	
Manx Birdlife	
Manx Wildlife Trust	
Marown Parish Commissioners	
Member of House of Keys for Arbory, Castletown & Malew	2 x contacts consulted
Member of House of Keys for Ayre and Michael	2 x contacts consulted
Member of House of Keys for Douglas Central	2 x contacts consulted
Member of House of Keys for Douglas East	2 x contacts consulted
Member of House of Keys for Douglas North	2 x contacts consulted
Member of House of Keys for Douglas South	2 x contacts consulted
Member of House of Keys for Garff	2 x contacts consulted
Member of House of Keys for Glenfaba and Peel	2 x contacts consulted
Member of House of Keys for Middle	2 x contacts consulted
Member of House of Keys for Onchan	2 x contacts consulted
Member of House of Keys for Ramsey	2 x contacts consulted
Member of House of Keys for Rushen	2 x contacts consulted
Member of Parliament for Ynys Môn	
Member of Senedd for Ynys Môn	
Member of the Senedd for North Wales	4 x contacts consulted

Organisation	Number of contacts consulted (one unless otherwise stated)
Mersey Alliance	
Michael District Commissioners	
Moelfre Community Council	
Mostyn Dock	
MP for Barrow and Furness	
MP for Blackpool North and Cleveleys	
MP for Chorley	
MP for Copeland	
MP for Knowsley	
MP for Lancaster and Fleetwood	
MP for Morecambe and Lunesdale	
MP for Ribble Valley	
MP for Sefton Central	
MP for Southport	
MP for St Helens North	
MP for West Lancashire	
MP for Westmorland and Lonsdale	
MP for Wigan	
MP for Wyre and Preston North	
National Trust	
National Trust Wales	
Natural England	
Natural England	
Natural Resources Wales	2 x contacts consulted
Newton-with-Clifton Parish Council	
North and Mid Wales Association of Local Councils	
North Meols Parish Council	
North Wales Wildlife Trust	2 x contacts consulted
North West Ambulance Service NHS Trust	
Onchan District Commissioners	
Patrick Parish Commissioners	
Peel Harbour	
Peel Town Commissioners	

Organisation	Number of contacts consulted (one unless otherwise stated)
Penwortham Parish Council	
Port Erin Harbour	
Port Erin Village Commissioners	
Port of Douglas	
Port Penrhyn	
Port St Mary Commissioners	
Port St Mary Commissioners	
Port St Mary Harbour	
Port St. Mary Village Commissioners	
President of Tynwald	
Prestatyn Sailing Club	
Preston City Council	2 x contacts consulted
Preston District Council	2 x contacts consulted
Preston Marina	
Ramsey Grammer School	
Ramsey Harbour	
Ramsey Town Commissioners	
Rhyl Yachting Club	
Ribble Valley District Council	
Ribby-with-Wrea Parish Council	
Royal Society for the Protection of Birds (RSPB)	
Royal Society for the Protection of Birds (RSPB)	
Royal Yachting Association	2 x contacts consulted
RSPB Cymru	
RSPB North England	
RSPB South Stack	
RWE	
Saint Anne's on the Sea Town Council	
Santon Parish Commissioners	
Sefton District Council	2 x contacts consulted
Snowdonia National Park Authority	2 x contacts consulted
South Lakeland District Council	
South Ribble District Council	5 x contacts consulted

Organisation	Number of contacts consulted (one unless otherwise stated)
St Helen's District Council	2 x contacts consulted
Steam Packet	
The Clwydian Range & Dee Valley Area of Outstanding Natural Beauty	
The Health and Safety Executive	
The Historic Buildings and Monuments Commission for England	2 x contacts consulted
The Royal Commission on the Historical Monuments of England (RCHME)	
Trinity House	
University College Isle of Man	
Visit Isle of Man	
Welsh Government	
Welsh Government Flood and Coastal Risk Management Branch	
Welsh Government Marine and Fisheries	
Welsh Government Marine Enforcement Officers	
Welsh Government Transport Policy, Planning and Partnerships	
West Chester and North Wales Chamber of Commerce	
West Lancashire District Council	2 x contacts consulted
Westby-with-Plumpton Parish Council	
Wigan District Council	2 x contacts consulted
Wirral District Council	2 x contacts consulted
Wyre District Council	2 x contacts consulted

E1.3.7 Seldom Heard Groups

E1.3.7.1 Seldom Heard Groups email

E1.3.7.2 Seldom Heard Groups email distribution list

Morecambe and Morgan Seldom Heard Groups Email Distribution List

The Youth Service

Youth Arts Centre

Isle of Man Steam Railway

Manx National Heritage

Alzheimer's Society

Crossroads Care

Ambition North Wales

Llandudno Hospitality Association

Age Connects Wales

Age UK Gwynedd

DVSC

North Wales Society for the Blind

North Wales Together

The FDF (formerly the Flintshire Disability Forum)


Anglesey Youth Services

Gwynedd Youth Services

E1.3.8 Social media

E1.3.8.1 Flotation Energy LinkedIn post 3 November 2022 – Consultation launch

Flotation Energy's Post



Flotation Energy
11,855 followers
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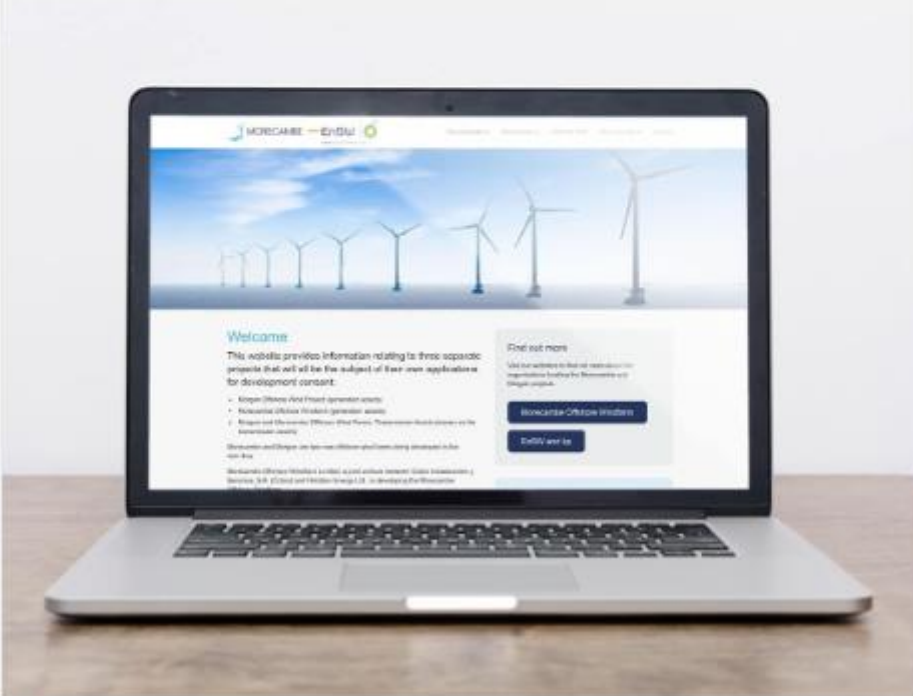
⋮

Morecambe and Morgan are two new offshore wind farms being developed in the Irish Sea. Combined, the two wind farms will generate almost 2GW of energy, with two joint venture companies are collaborating to connect the wind farms to the electricity transmission network.

The Morecambe Offshore Windfarm is being developed by a joint venture between Cobra Instalaciones y Servicios, S.A. and Flotation Energy Ltd.

The Morgan Offshore Windfarm is a joint venture between BP and Energie Baden-Württemberg AG (EnBW).

Our first round of consultation on the Morecambe and Morgan offshore wind farms and their transmission assets is running for six weeks, from 2 November to 13 December 2022. For more information and to have your say on the consultation process please visit: <https://lnkd.in/ehwa3-ka> #OffshoreWind #Renewables

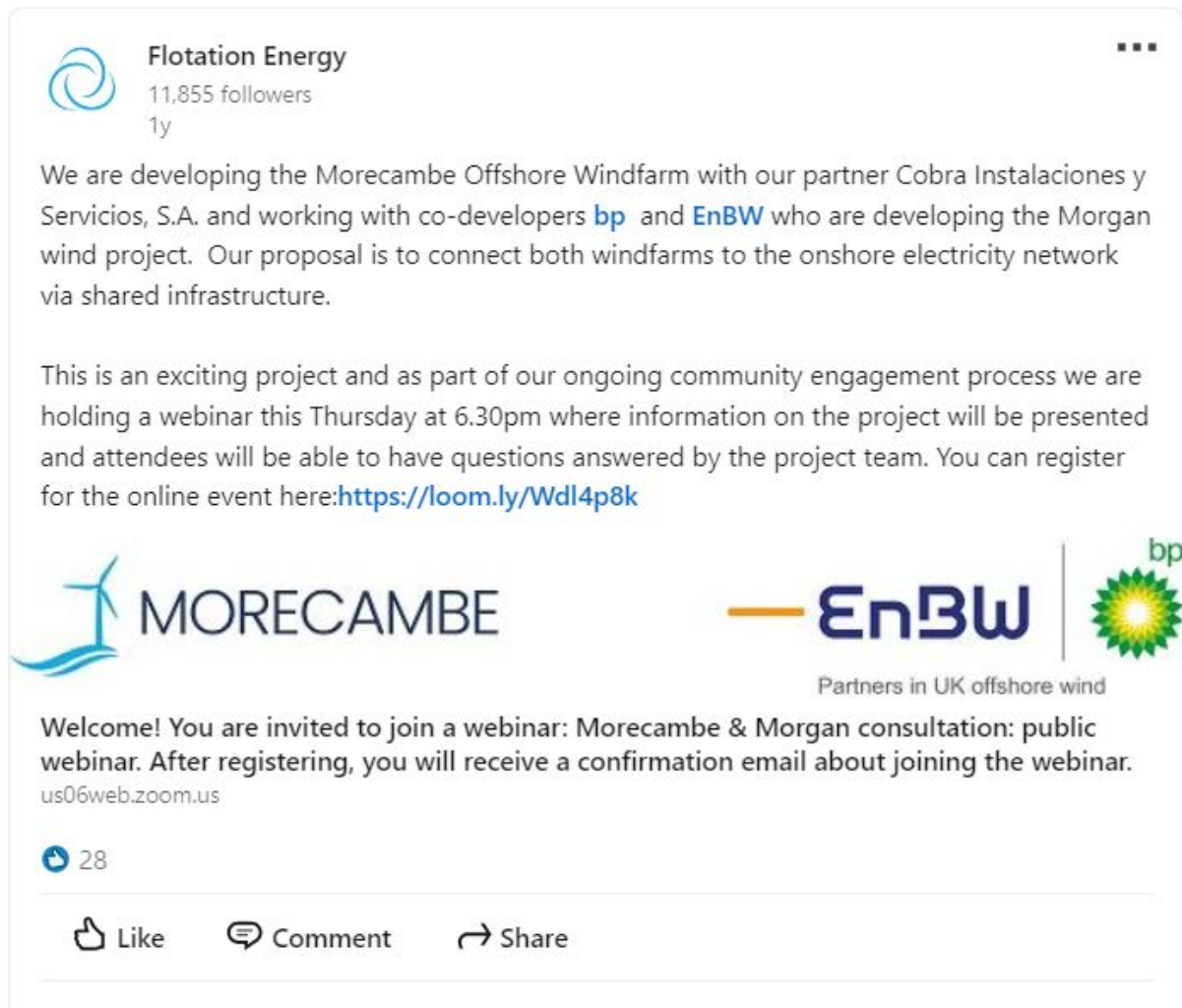



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➦ Share

E1.3.8.2 Flotation Energy LinkedIn post 8 November 2022 – Webinar invitation




Flotation Energy's Post




 **Flotation Energy**
11,855 followers
1y




We are developing the Morecambe Offshore Windfarm with our partner Cobra Instalaciones y Servicios, S.A. and working with co-developers **bp** and **EnBW** who are developing the Morgan wind project. Our proposal is to connect both windfarms to the onshore electricity network via shared infrastructure.

This is an exciting project and as part of our ongoing community engagement process we are holding a webinar this Thursday at 6.30pm where information on the project will be presented and attendees will be able to have questions answered by the project team. You can register for the online event here: <https://loom.ly/Wdl4p8k>

 **MORECAMBE**  **EnBW** |  **bp**
Partners in UK offshore wind


Welcome! You are invited to join a webinar: Morecambe & Morgan consultation: public webinar. After registering, you will receive a confirmation email about joining the webinar.
us06web.zoom.us

 28

 Like  Comment  Share

E1.3.8.3 Flotation Energy LinkedIn post 18 November 2022 – Morecambe consultation events

Flotation Energy's Post



Flotation Energy

11,855 followers


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This week we set off on another round of public consultation events around North Lancashire. This time we are engaging with individuals and local community groups about the Morecambe Offshore Windfarm, which we are developing with our joint venture partner Cobra. At the events you can also meet with the Morgan Offshore Wind Project (being developed by bp and EnBW) whom we are working with collaboratively to connect the windfarms to National Grid at Penwortham Lancashire. We are holding a single non-statutory consultation to help communities and other stakeholders understand the proposals for these two wind farms, along with their connection to the electricity network.

Both teams believe that engagement is key to the success of any large infrastructure project, and we are dedicated to working with local communities to hear their views and take listen to all feedback. For detailed information on all our consultation events this month please visit: <https://buff.ly/3gf9k4d>



Morecambe Offshore Windfarm



Consultation events

November 2022

- 18th Barrow-in-Furness
- 19th Morecambe
- 21st Lytham
- 22nd Fleetwood & Blackpool
- 23rd Preston & Hutton
- 24th Southport & Liverpool
- 30th Amlwch

🗨️👍👍👍 55

👍 Like
💬 Comment
➦ Share

E1.3.8.4 Flotation Energy LinkedIn post 22 November 2022 – Morecambe consultation events

Flotation Energy's Post

Flotation Energy
11,855 followers
1y

During the next couple of weeks we are holding public consultation events around Morecambe and the surrounding areas, engaging with individuals and local community groups about our plans for a new offshore windfarm development.

From thoughts on community benefits, and environmental impacts to how we can add value back into the community through opportunities for education and jobs; all conversations are key to ensuring the best possible outcome for every stakeholder impacted by the developments.

Our Communications Manager, Kirstine Wood is really looking forward to meeting individuals and community groups on this part of the consultation journey, so if anyone would like to get in touch or has a question, please pop along to one of the sessions or reach out to her at: info@morecambeandmorgan.com #MorecambeOffshoreWind

<https://buff.ly/3gf9k4d>

Morecambe Offshore Windfarm
Consultation events

FLOTATION ENERGY

50 · 1 Comment

Like Comment Share

E1.3.9 Consultation brochure



Morecambe Offshore Windfarm

Morgan Offshore Wind Project

Morgan and Morecambe Offshore Wind Farms:
Transmission Assets

2 November – 13 December 2022
Non-statutory consultation



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Introduction

This brochure sets out information relating to three separate projects that will all be the subject of their own applications for development consent:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morgan and Morecambe Offshore Wind Farms: Transmission Assets (known as the Transmission Assets)

Morecambe Offshore Windfarm Limited (Morecambe OWL), a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra) and Flotation Energy Ltd., is developing the Morecambe Offshore Windfarm.

Morgan Offshore Wind Limited (Morgan OWL), a joint venture between bp and Energie Baden-Württemberg AG (EnBW), is developing the Morgan Offshore Wind Project.

Both projects were awarded licences during The Crown Estate's Offshore Wind Leasing Round 4 bidding process.

These two wind farms, situated in the Irish Sea, will together generate almost 2GW of energy, and the two joint venture companies are collaborating to connect the wind farms to the electricity transmission network.

The wind farms will be located approximately 20km – 30km from the coast and be operational by 2030. Together, they have the potential to power more than two million UK households with clean energy. Combined with EnBW and bp's Mona offshore windfarm (also in the Irish Sea), the trio will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030.

A coordinated approach

Both the Morecambe Offshore Windfarm and the Morgan Offshore Wind Project have been scoped into the Pathways to 2030 workstream under the Offshore Transmission Network Review.

As part of this review, National Grid has assessed options to improve the coordination of offshore wind generation connections and transmission networks. In July 2022, the UK Government published the Pathway to 2030 Holistic Network Design documents, which set out the approach to connecting 50GW of offshore wind to the UK electricity network.

The output of this process concluded that the Morecambe Offshore Windfarm and the Morgan Offshore Wind Project should work collaboratively in connecting the wind farms to the national grid at Penwortham in Lancashire. The developers were involved in this process and agree with this output.

Therefore both projects intend to submit a single application for the transmission assets, comprising offshore export cable corridors to landfall and onshore export cable corridors to onshore substation(s), and onwards connection to the electricity transmission network at Penwortham, Lancashire.

The collaboration between the projects is intended to provide an opportunity for the projects to align on a consistent approach to environmental assessments and mitigation, including robust consideration of cumulative impacts, as well as providing a more streamlined process for all stakeholders.

The consenting process

The Government classifies major energy projects as Nationally Significant Infrastructure Projects (NSIPs). Permission is granted in line with the national policy guidance set out in the Planning Act 2008.

The generation assets for the Morecambe Offshore Windfarm and the generation assets for the Morgan Offshore Wind Project are each considered to be NSIPs in their own right and will be the subject of separate applications for development consent.

An application for development consent will therefore be made for the generation assets of each offshore wind farm, one for Morecambe and one for Morgan. A third application for development consent will be made for both projects' joint transmission assets.

Applications for development consent are submitted to, and examined by, the Planning Inspectorate and decisions are made by the relevant Secretary of State, in this case the Secretary of State for Business, Energy and Industrial Strategy.

On page 18 you can find out more about the upcoming indicative timeline for the projects' consenting stages.

The Crown Estate's seabed leasing process

In 2021, The Crown Estate announced that it had selected six proposed new offshore wind projects in the waters around England and Wales, through a process known as Offshore Wind Leasing Round 4.

Combined, these Round 4 sites represent just under 8GW of potential new offshore wind capacity, offering the opportunity to deliver clean electricity for more than seven million homes and create employment opportunities across the country.

EnBW and bp were selected together as the preferred bidder for two major seabed leases in the Irish Sea – these are the sites that will become the Morgan and Mona offshore wind farms. Joint venture partners Cobra and Flotation Energy (who have now formed Morecambe Offshore Windfarm Ltd.) were selected together as the preferred bidder for a separate seabed lease in a different area of the Irish Sea, on the site that will become the Morecambe Offshore Windfarm.

The leases are in an area that boasts strong wind resources and shallow water depths.

The leases cover an area of around 900km² of the seabed and will have a lifespan of up to 60 years. Our wind farms will enter operations by 2030.

You can find out more about the offshore leasing process on The Crown Estate website www.thecrownestate.co.uk

The importance of renewable energy

Renewable energy is central to supporting the UK's ambitions to lead the world in combatting climate change, reducing our reliance on fossil fuels and embracing a future where renewable energy powers our homes and businesses.

At the centre of this drive is a commitment to reducing UK greenhouse gas emissions and reaching net zero by 2050.

Figures released by the Department for Business, Energy and Industrial Strategy (BEIS) for the second quarter of 2022 show that the UK now has more than 13GW of installed offshore wind capacity.

To achieve our climate goals as a country, we need to quadruple our offshore wind generation – that means having 50GW of generating capacity installed and operating by 2030.

There is some way to go to meet the target. This means our Morecambe and Morgan projects have a critical role to play – both in helping the UK to achieve its net zero ambitions and, specifically, in reaching offshore wind generation goals.

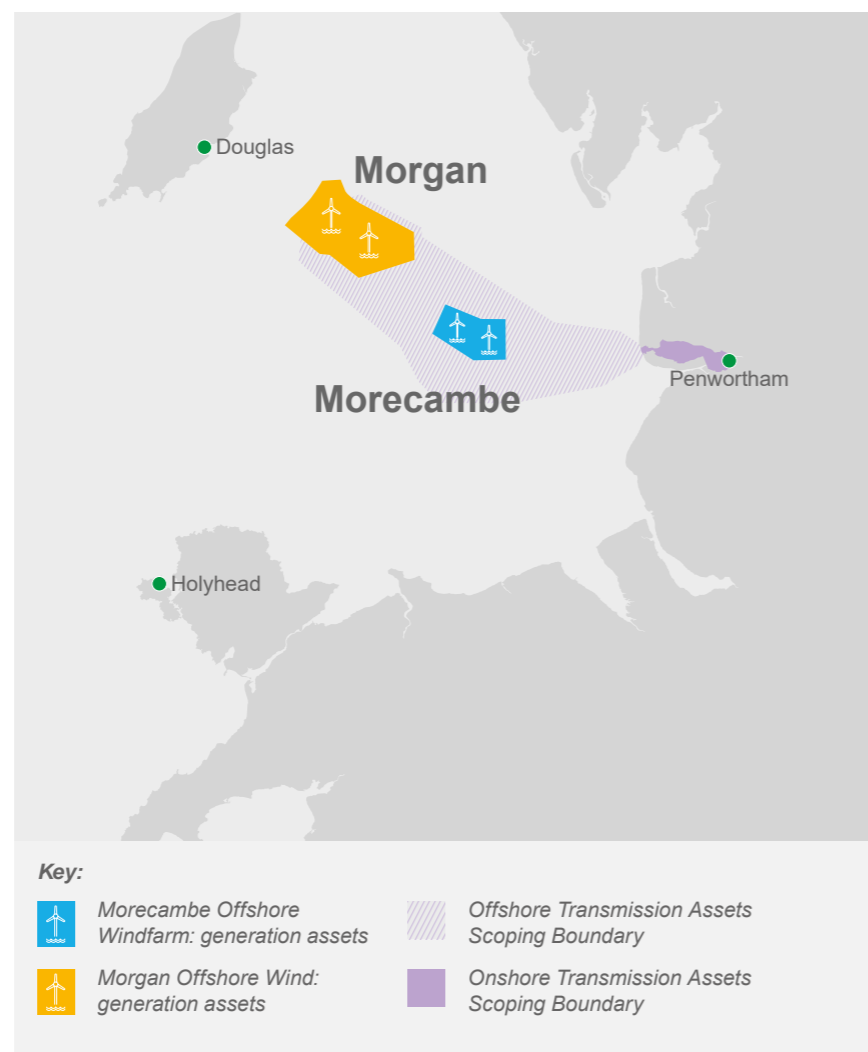
Your chance to take part

Our first round of consultation on the Morecambe and Morgan offshore wind farms and their transmission assets is running for six weeks, from 2 November to 13 December 2022.

The aim of the consultation is to introduce our three projects, share our early plans and give you the opportunity to have your say.

The proposals are in the very early stages and many details are still to be finalised, such as the size and number of turbines, the offshore and onshore infrastructure, and the cable landfall location.

We will consider all comments we receive, alongside further technical and environmental surveying work. Your feedback will help influence the detailed design of the projects and help us develop the best possible proposals.



Morecambe Offshore Wind Ltd, Director (Cobra)
Jaime Altolaguirre



bp Project Director
Richard Haydock



EnBW Project Director
Céline Combé

"With the potential to power more than half a million homes, Morecambe Offshore Windfarm will play an essential part in the UK journey to net zero.

Our commitment to care for the environment and consideration of other marine users is shown by the windfarm's location on a previously developed seabed.

By collaborating with Morgan to deliver the first industry-led coordinated transmission infrastructure we can continue to reduce our impact on others through co-location. This will make it easier for communities to engage with us."

"With the potential to power more than two million UK households, Morgan and Morecambe will play a key role in delivering secure, low carbon energy to the UK.

I'm absolutely committed to making sure we deliver this in a way that works for people that live and work in the areas where they are located. That's why bp and EnBW are collaborating with Cobra and Flotation Energy to ensure that as we develop both projects, we minimise our impact whilst delivering 1.5GW of home-grown energy to UK households.

Your feedback will help us develop the best possible plans and I look forward to working with the community and our partners."

"EnBW and bp jointly succeeded in a highly competitive field of bidders.

Since the construction of the first German offshore wind farm in 2010 by EnBW, we have become a major player in offshore technology.

We are very pleased to contribute our experience of developing and operating technically demanding offshore wind projects to our partnership with bp, Cobra and Flotation Energy.

The projects in the Irish Sea are amongst the largest developments in offshore wind for our company, and we are proud to contribute significantly to a sustainable energy future with our activities in the UK.

We are encouraging the local communities to get to know us and look forward to working together in making the projects become a reality."

Who we are

Morecambe Offshore Windfarm Ltd – about Cobra

Cobra is a worldwide leader with more than 75 years of experience in the development, construction and management of industrial infrastructure and energy projects. Cobra has an international presence in Europe, Asia, Africa and the Americas. In recent years the company has focused on renewable energy projects, including onshore & offshore wind and solar power including a specialised floating windfarm business. Cobra has a business culture that is focused on quality and excellence stemming from its greatest asset; its employees.

Morecambe Offshore Windfarm Ltd – about Flotation

Flotation Energy has been a significant contributor to building a strong offshore wind industry in the UK and beyond. Flotation Energy has a growing project pipeline of offshore wind projects with 10GW in the UK, Ireland, Taiwan, Japan and Australia; and plans to expand into many more key markets. The expertise of the Flotation Energy team lies in the project and engineering management of large infrastructure projects. Flotation Energy have developed their own projects but also recognise the benefits of collaboration and working in partnership with other developers to deliver proven, cost-effective solutions.

Morgan Offshore Wind Ltd – about EnBW

EnBW Energie Baden-Württemberg AG is one of the largest energy supply companies in Germany and supplies electricity, gas, water, energy solutions and energy industry services to around 5.5 million customers.

We have a workforce of more than 23,000 employees. Half of the EnBW generation portfolio will be comprised of renewable energies by 2025.

Further expanding renewables in Germany and selected European markets is a central element of EnBW's growth strategy.

Since the beginning of its corporate transformation in 2013, EnBW has successfully invested nearly €5 billion in its renewable energies segment.

Around another €4 billion is to be invested by 2025, primarily in further expanding wind and solar energy, meaning that a good 50 per cent of EnBW's generation portfolio will consist of renewables.

EnBW was among the pioneers in offshore wind power with its Baltic 1 offshore wind farm in the Baltic Sea. In January 2020, the company took into operation Germany's largest offshore wind power project, EnBW Hohe See and Albatros, with a combined capacity of 609 megawatts (MW).

The He Dreiht offshore wind farm with a capacity of around 900MW is planned to be connected to the grid in 2025. He Dreiht will operate without any state subsidies.

Morgan Offshore Wind Ltd – about bp

bp's purpose is to reimagine energy for people and our planet.

bp has set out an ambition to be a net zero company by 2050, or sooner, and help the world get to net zero.

This strategy will see bp transform from an international oil company producing resources - to an integrated energy company providing solutions to customers.

bp already has a significant onshore wind business in the US with a gross generating capacity of 1.7GW, operating nine wind assets across the country as well as a 5.2GW net offshore pipeline.

Terminology

You will see us using the term 'generation assets' – this refers to the elements of our projects that are responsible for generating electricity.

This includes the proposed offshore wind turbines, offshore substation platform(s) and cabling within the wind farm site.

Similarly, 'transmission assets' are the proposed offshore substation platform(s) and booster station, offshore and onshore offshore export cables, onshore substation(s) and onward connection to the grid.

When we use the word 'onshore' we're referring to the elements of our projects that will be constructed and located on the land. In technical terms this means the area of the proposed projects that are landward of the mean high water (MHW) point, which overlaps with the intertidal area down to the mean low water (MLW) point. This includes cables and the substations which are often referred to as 'transmission assets' because they enable us to transmit the renewable energy we generate into the national grid.

Why we need offshore wind and how it works

The fight against climate change

Climate change is one of the biggest challenges the world faces. It is affecting every country and we must all play a role in helping to combat it.

In 2015, representatives from the international community met in Paris to agree a global response to the changing climate. In total, 197 countries signed the Paris Agreement to keep temperature rises “well below” 1.50°C to avoid the worst impacts of climate change.

The delegates met again in Glasgow in 2021, where they agreed that more action was needed to achieve the 1.50°C aim and pledged to make the 2020s a decade of climate action and support.

In the UK, the government has committed to ambitious plans that will put the country at the forefront of the fight for a greener future.

As part of these plans, we will need to reduce greenhouse gas emissions to net zero by 2050.

To achieve this, we will need to change how we heat our homes, power our vehicles and, importantly, how we generate our electricity.

UK Government policies and offshore wind

The commitments the UK has made to achieving net zero are enshrined in law.

To reach our climate goals, the UK government has adopted a number of strategies for achieving net zero – most notably the 10-point Plan for a Green Industrial Revolution and the Net Zero Strategy: Build Back Greener.

These plans recognise the importance of offshore wind in achieving net zero goals in the UK. In fact, ‘advancing offshore wind’ is point one in the UK government’s 10-point plan. The UK is already a world leader in offshore wind and the seas around Britain are ideal for harnessing wind power.

The UK already generates around 13GW of its power from offshore wind, which is more than any other country in the world. It plays an increasingly important role in our energy mix – for a period on 29 Jan 2022, offshore wind was providing 66 per cent of our total energy output. But we need to go a lot further.

To achieve our climate goals, we need to quadruple our offshore wind generation – that means having 50GW of generating capacity installed and operating by 2030. This is why projects such as Morecambe and Morgan are so important.

What we are doing

To achieve the UK’s commitment to achieve Net Zero by 2050, offshore wind has a vital role to play. Our 480 MW project will be operational by 2028/9 leading the way in decarbonisation of the UK economy.

You can find out more by searching ‘Morecambe Offshore Windfarm’ in your internet browser.

bp – In February 2020 bp set out our ambition to be a net zero company by 2050 or sooner and to help the world get to net zero. This ambition is supported by 10 aims: five to help us become a net zero company, and five to help the world meet net zero.

You can find out more by searching ‘bp getting to net zero’ in your internet browser.

EnBW – At EnBW, our long-term business success is based on the achievement of economic, environmental and social targets. Under our EnBW 2025 Strategy, we are transforming into a sustainable and innovative infrastructure provider. We have the ambitious aim of reducing the company’s CO² emissions to net zero by 2035.

You can find out more by searching ‘Sustainability at EnBW’ in your internet browser.

What is net zero?

Greenhouse gases such as carbon dioxide (CO²) and methane are created when we burn fossil fuels, such as oil, gas or coal. These gases are trapped in the atmosphere and cause global warming.

Achieving net zero means not increasing the amount of greenhouse gases in the atmosphere. The best way to do this is to move towards technologies such as renewable energy, which do not create harmful emissions.

About Morecambe and Morgan – onshore infrastructure

The point of interconnection

The Morecambe and Morgan offshore wind farms are expected to connect to the electricity transmission network via an existing National Grid substation at Penwortham in Lancashire.

This is known as the point of interconnection (POI) and was identified through a site selection process undertaken by National Grid, which manages the electricity transmission network.

The onshore substations

To connect to the electricity transmission network we will need to construct new substations. These new substations are needed to transform the power generated by the offshore wind turbines and to provide a connection to the grid.

To maintain electrical independence, one substation will be required for the Morgan Offshore Wind Project and one for the Morecambe Offshore Windfarm.

We will conduct a thorough site selection process, taking into account factors such as proximity to homes, environmental constraints and technical constraints.

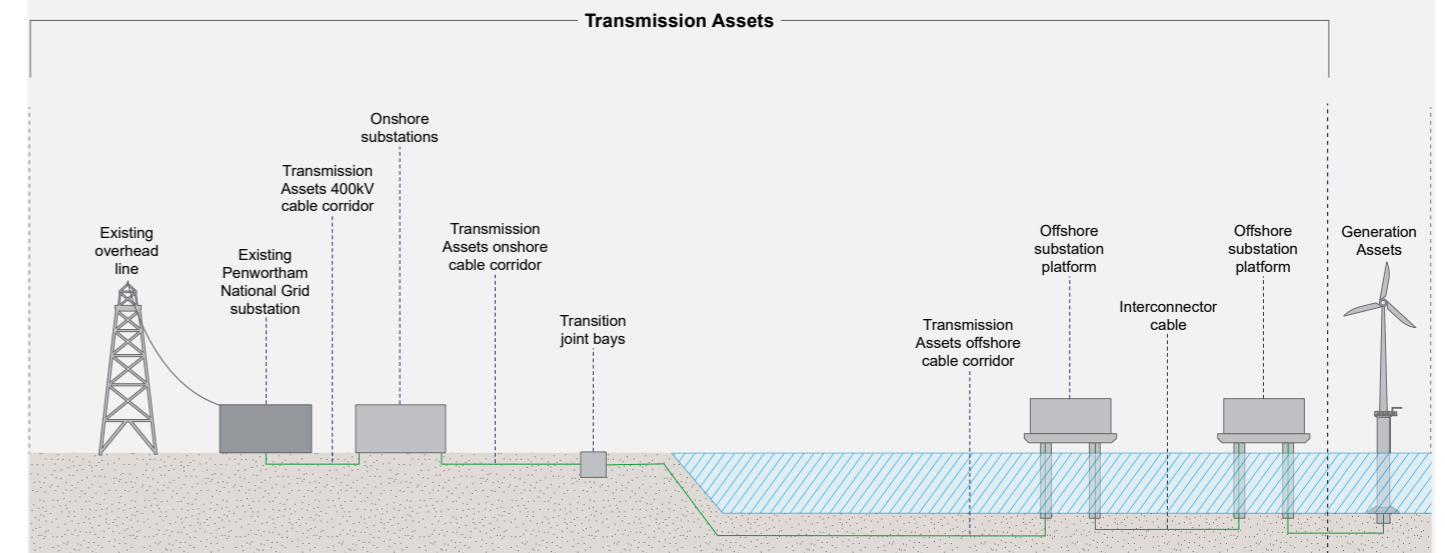
Further engagement will be planned and further details will be available as this process progresses.

We would like you to provide us with any feedback or local information for consideration in the site selection process.

You can find out more about our offshore infrastructure, and how we typically construct an offshore wind farm, on page 12.

Transmission & Generation Assets

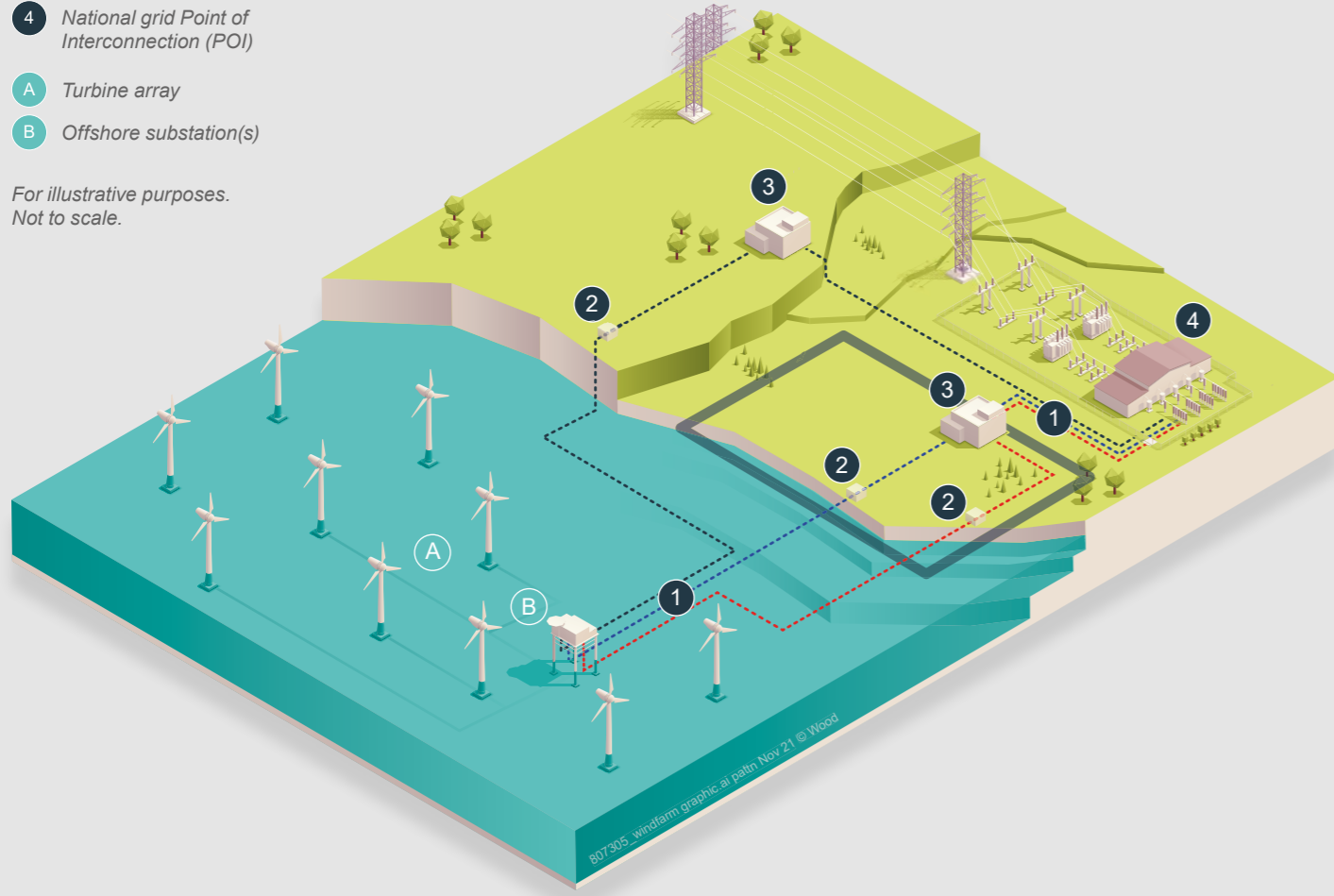
This diagram illustrates which parts of the projects are classified as generation assets (Morecambe Offshore Windfarm and Morgan Offshore Wind Project) and which parts are classified as Transmission Assets. The offshore substation platforms will be considered as part of the generating assets and will be included in the consent applications for both the generation and transmission assets.



Key:

- 1 Cable route options
- 2 Landfall options
- 3 Onshore substation options
- 4 National grid Point of Interconnection (POI)
- A Turbine array
- B Offshore substation(s)

For illustrative purposes.
Not to scale.



How does the electricity get from the wind farms to homes and businesses?

Electricity generated from the offshore wind farms is transported to the existing national electrical transmission network – which is usually called the national grid – using export cables.

When they are offshore, these export cables typically run under the seabed wherever possible and once they reach the shore they are usually buried underground.

The point where offshore export cables and onshore export cables meet is called the landfall point.

Next, there needs to be a connection to the national grid. Above ground infrastructure in the form of onshore substation(s) will be required to allow the energy to feed in to the grid.

The power that Morecambe and Morgan will generate will go directly into the national grid; the large ‘pot’ of energy that is then distributed to our homes and businesses across the UK.

Find out more

You can read about the offshore and onshore infrastructure we are proposing on pages 9 and 12.
You can find out more about how the ‘national grid’ operates at: www.nationalgrideso.com/who-we-are

1 <https://www.thecrownestate.co.uk/media/3994/the-crown-estate-cable-route-identification-leasing-guidelines.pdf>

How do we choose a cable route?

The route planning and site selection process for the onshore cable corridor route involves the identification of a range of engineering, commercial, environmental, land interest and community related principles and constraints. These are then used to identify potential onshore cable corridor route options for consideration.

Engineering considerations will include aspects such as technical feasibility and the identification of the shortest and most direct route, wherever practicable.

Examples of environmental constraints will include consideration of designated sites, protected species, landscape and cultural considerations.

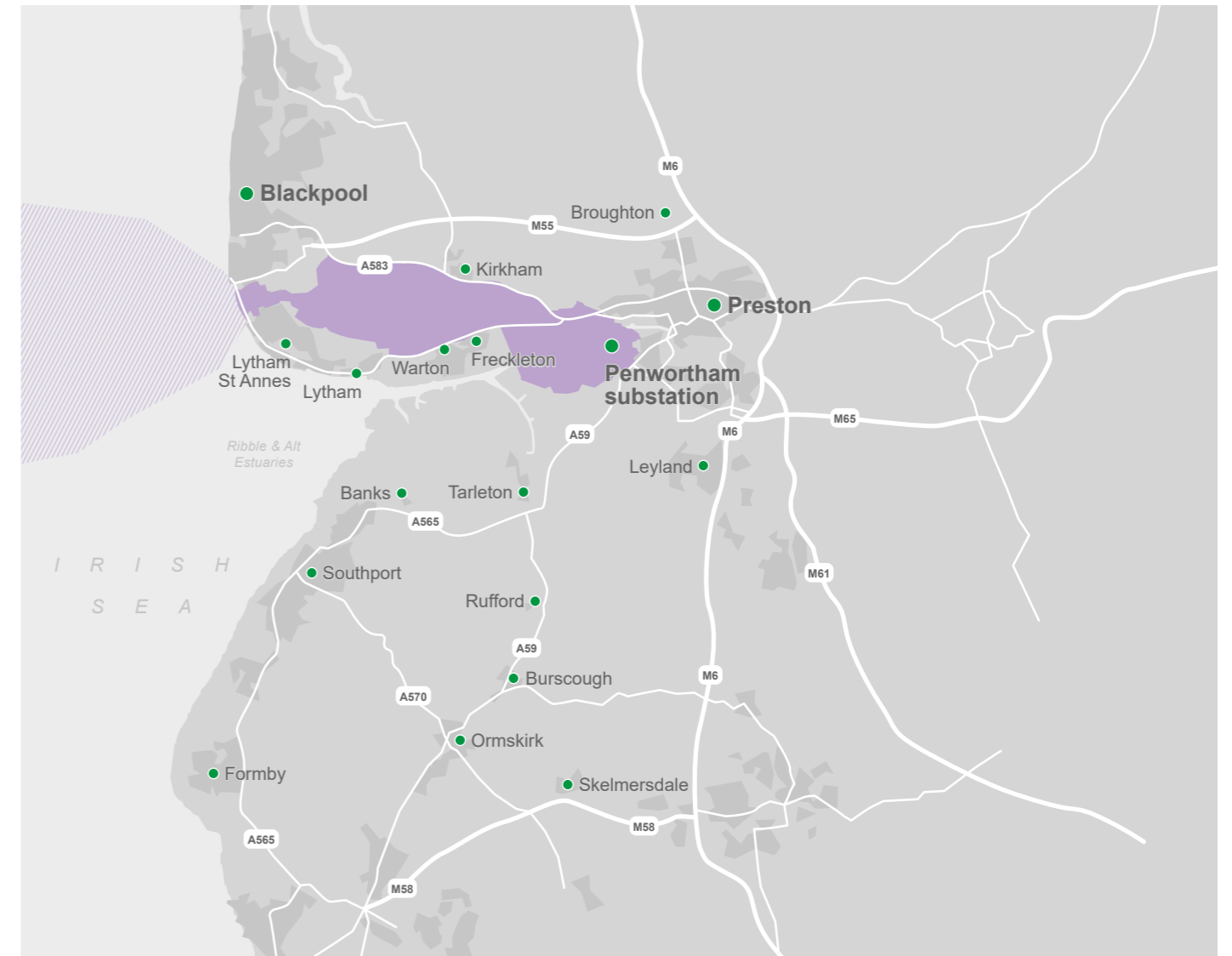
Other constraints that will also be considered include the location of existing utilities and other local infrastructure.

During the process we will also be seeking feedback from landowners, local communities and bodies such as local planning authorities, the Environment Agency and Historic England, to help us refine our proposals.

We invite you to provide feedback or information for our consideration based on the Scoping Boundary presented in the map below.

Have your say

You can find out how to take part in our consultation, or how to ask us any questions, see pages 16 and 17.



Key:

- Offshore Transmission Assets Scoping Boundary
- Onshore Transmission Assets Scoping Boundary

About Morecambe and Morgan – our offshore infrastructure

How we construct an offshore wind farm

We are currently developing and refining details around how our offshore infrastructure will be constructed, operated and maintained. Typically this would include the following broad activities:

- Prior to installation, some seabed preparation activities may be required such as removing sand and boulders to clear a route for the offshore cable and the turbine foundations;
- The wind turbine and offshore substation foundations are then installed, before the wind turbine tower, blades and the substation structure are installed on top of the foundations. The offshore substation platforms and booster station are also installed;
- Inter-array cables will be installed into the seabed between each wind turbine, between the wind turbines and the offshore substations; and between the offshore substations and the shore. This will involve a number of different types of vessels including those with cranes installed, support vessels and cable vessels;
- At the landfall, the offshore export cables will be brought ashore before being connected to the onshore export cables. The exact methodology or methodologies are being developed and will be presented via future engagement.

Infrastructure associated with transmission assets is not limited to cables, this also includes offshore substation platforms and offshore booster stations. Where the Offshore Transmission Assets Scoping Boundary overlaps with the scoping search areas for the windfarms, offshore substation platforms will be included in both generation and transmission Environmental Impact Assessment (EIA) Scoping Reports. More information on scoping reports can be found on page 13.

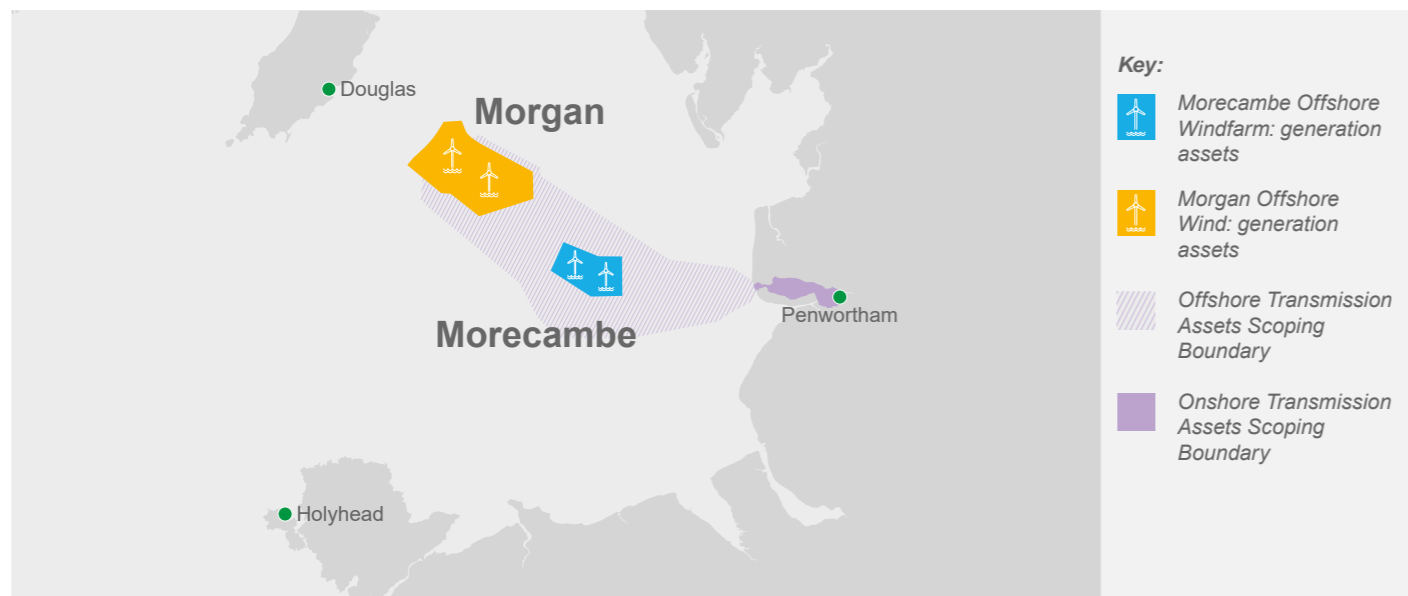
We would welcome comments on this scoping search area that may help us as we determine factors to be considered when deciding where our offshore infrastructure should be located.

These could be comments on anything from marine ecology to shipping routes or seascape visual impact.

Turbines and other infrastructure

At this current stage it is too early in the process to know the size and number of turbines required, along with the size and location of offshore substations, or the location of inter-array cables, but we are working to develop that information for our next stage of consultation.

Due to the nature of each wind farm, Morecambe and Morgan infrastructure won't necessarily look the same.



Environmental Impact Assessments

As a part of the development process, a range of Environmental Impact Assessments (EIA) will be undertaken to assess the potential impacts of the construction, operation and maintenance, and decommissioning of the projects.

The identification and assessment of potential environmental impacts has and will continue to be undertaken in consultation with statutory bodies such as the local planning authorities, the Environment Agency, the Wildlife Trust, Natural England, the Marine Management Organisation (MMO), and will be specific to the local environmental and social context and baseline.

Separate EIA Scoping Reports have been submitted to the Planning Inspectorate for the Morgan Offshore Wind Project generation assets and the Morecambe Offshore Windfarm generation assets respectively. Scoping Opinions have been provided by the Planning Inspectorate (on behalf of the Secretary of State) for both projects.

The Scoping Reports - including the one recently published for the Morgan and Morecambe transmission assets - can be accessed via www.morecambeandmorgan.com

A consultation period follows the submission of the Scoping Reports, after which a Scoping Opinion is provided to the projects by the Planning Inspectorate.

This opinion collates and incorporates feedback from consultees, as well as the Planning Inspectorate, related to the scoping of the Environmental Impact Assessments.

The projects will review and consider the feedback, which will then form the basis of the more detailed assessments to be provided in the Preliminary Environmental Information Report (PEIR) that will be produced for of each of the three applications for development consent.

EIA Scoping Report

These documents are submitted to the Planning Inspectorate for consideration.

They set out the information that we intend to consider and assess as part of our Environmental Impact Assessments. They ensure the Planning Inspectorate and other important stakeholders understand and agree with the areas we will be assessing. More information about EIA Scoping Reports can be found here: www.gov.uk/guidance/environmental-impact-assessment

Each PEIR will contain any mitigation and potential management that may have been identified, as a result of the environmental assessments at that stage.

Once each PEIR has been submitted a formal, or statutory, consultation will be held on its contents.

At this point, we will again be seeking feedback from statutory consultees, local communities and those with any interest in the land, on our more refined proposals.

Further details on this will be communicated as the programme and projects progress.

All feedback we receive on the PEIRs will then be reviewed and, where possible, will be used to shape and refine the final applications for development consent.

Final consultation reports and supporting annexes outlining all consultation undertaken will be submitted with the three final applications.

These reports will include records of all feedback received by each project, with record of responses and potential resultant changes that were made to the projects.

For more information on the DCO planning process, please visit: www.gov.uk/guidance/guidance-on-procedural-requirements-for-major-infrastructure-projects



Supporting the local, regional and national economy

Our proposals for Morecambe and Morgan will unlock significant economic benefits, both in terms of the jobs we will create and the supply chain opportunities that will be on offer for businesses across the UK.

Jobs

As we develop our plans in more detail, the scale of this economic boost will become clearer – but we already know that we will create and support thousands of jobs during the different phases of our projects.

For example, for Morgan this breaks down to*:

350

jobs during planning and design, worth around £8.75 million per year

1000

jobs during construction, worth around £37.4 million each year

295

jobs during operations, worth around £13.8 million each year

Supply chain

We know that offshore wind projects bring significant benefits to their local communities and we think it's incredibly important the local supply chain contributes to this project too.

Using the information on our project websites, local companies can pair their skills with the projects' needs the portals provide access for companies of all sizes to register their interest for future work.

These projects encourage UK-based suppliers, particularly those with connections across North Wales and the north west of England, to register their interest.

We have portals open for Morecambe and Morgan respectively:

www.morecambeoffshorewind.com/#supply

www.enbw-bp.com/suppliers

Ports and harbours

We are engaging with ports and harbours around the Irish Sea that could support construction activities and then eventually operations and maintenance for the wind farms.

*Source: Oxford Economics, figures represent a pro rata share of projected economic impact of EnBW and bp's Morgan and Mona projects

How to take part

Early consultation with local communities and consultees is a key part of this process, so that feedback on potential social and environmental impacts, opportunities and potential mitigation measures can be considered in advance of an application being made.

This consultation represents the first opportunity for local communities and other stakeholders to understand the collaboration between the two projects and broad details of how each will be developed. We welcome feedback on any aspect of the information we're sharing on the projects.

To help us develop our proposals further we're asking for your feedback on our early plans.

We're carrying out lots of our own technical and environmental assessments but people living near to the proposals have local knowledge we would really value.

These could include thoughts on:

- Potential environmental or community constraints to onshore and offshore transmission assets;
- Potential environmental or community constraints that could inform our substation site selection process;
- Community benefits;
- Information that could help us plan for construction;
- How we can help support jobs.

You can share feedback by:



Using our project website:
www.morecambeandmorgan.com

Submit feedback on our website using our online feedback form and interactive map. The mapping tool allows you to leave comments at specific locations.



Sending an email to:
info@morecambeandmorgan.com

We welcome all feedback and any questions you might have about the projects.



Sending written feedback to our freepost address:
Freepost MORECAMBE AND MORGAN

You can write us a letter or send hard copy feedback forms, which will be available at events or by request. You don't need a stamp.



You can download the consultation materials here:

www.morecambeandmorgan.com

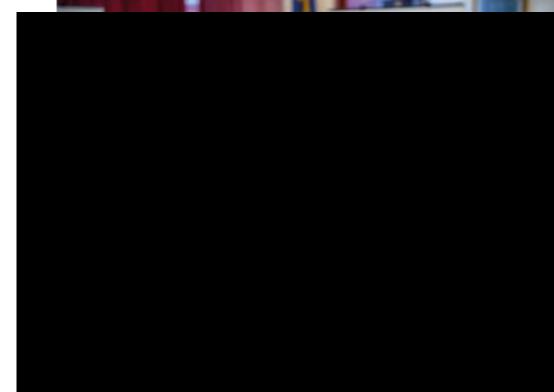
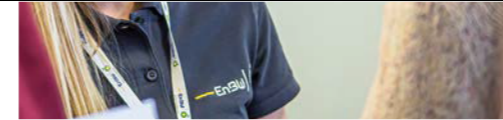
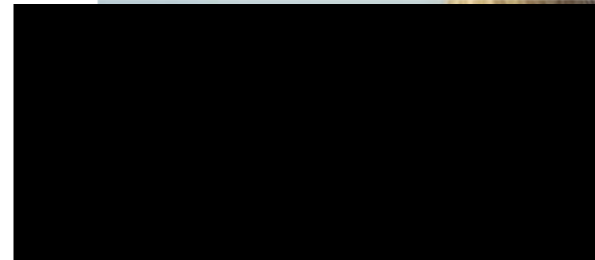


How will we use your feedback?

Following the conclusion of this first stage of consultation, we will analyse the feedback we have received, along with conducting further technical impact assessments and design work to develop our proposals ahead of further public consultation.

Comments we receive from future consultations will also be used to develop our final proposals.

All the comments we receive during these consultations will be reviewed so the subjects raised – and our responses – can be included in our Consultation Reports. These reports will form part of our applications for development consent.



Meet the team

As part of the consultation, we are holding a series of public events. These are a great way to meet our team, find out about the projects and ask any questions you might have.

Consultation events

3 Nov	3pm-7pm	Douglas Borough Council, Town Hall, Ridgeway Street, Douglas, Isle of Man IM99 1AD
19 Nov	2.30pm-6.30pm	Morecambe War Memorial Hall Church St, Morecambe LA4 5PR
21 Nov	3pm-7pm	Lytham Assembly Rooms Dicconson Terrace, Lytham FY8 5JY
23 Nov	3pm-7pm	Hutton Village Hall Moor Ln, Hutton, Preston PR4 5SE
24 Nov	3pm-7pm	The Gild Hall Church Rd, Formby, Liverpool L37 3NG

Pop-up events

Alongside our public exhibitions, members of our team will also be out and about in the communities, to provide information on the projects and answer any questions you may have.

18 Nov	10am-1pm	Barrow-in-Furness Leisure Centre Greengate St, Barrow-in-Furness LA13 9DT
22 Nov	10am - 1pm	Fleetwood YMCA Leisure Centre, Fleetwood FY7 6HF
22 Nov	2:30pm - 4:30pm	Blackpool Tourist Information Centre, Promenade, Blackpool FY1 1AP
23 Nov	10am-1pm	Preston Fishergate Shopping Centre, Preston PR1 8HJ
24 Nov	10am-1pm	Southport Eco Centre Esplanade, Southport PR8 1RX
30 Nov	10am-1pm	Amlwch Town Hall Amlwch LL68 9EN

Online events

10 Nov	6.30pm-8pm	We are also holding a webinar, to register to attend visit: www.morecambeandmorgan.com
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What's next?

After this stage of consultation closes, we will consider all the feedback we have received and, together with our ongoing technical studies, use that feedback to help us shape our proposals.

There will be further phases of consultation with local communities and consultees which will represent further opportunities for people and organisations to have their say on the plans as they develop.

Indicative timeline

(as of publication 2022)

- **2022**
 - **Autumn 2022**
Ongoing technical and environmental survey work
 - Non-statutory consultation on Morecambe and Morgan offshore wind farms
- **2023**
 - Statutory consultations on Morecambe and Morgan offshore wind farms
- **2024**
 - Applications submitted for Development Consent (DCOs)
- **2026**
 - Earliest anticipated commencement of construction
- **2028/29**
 - Expected start – Commercial Operations Dates (CODs)





Find out more on our website
www.morecambeandmorgan.com
or use this QR code



info@morecambeandmorgan.com



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0800 915 2493



E1.3.10 Feedback form

Morecambe and Morgan Offshore Wind Farms

Non-statutory consultation Feedback form

Morecambe Offshore Windfarm Limited (Morecambe OWL), a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra) and Flotation Energy Ltd., is developing the Morecambe Offshore Windfarm.

Morgan Offshore Wind Limited (Morgan OWL), a joint venture between bp and Energie Baden-Württemberg AG (EnBW), is developing the Morgan Offshore Wind Project.

The two proposed Morecambe and Morgan offshore wind farms will be comprised of three separate applications for development consent:

- An application to consent the generation assets for the Morgan Offshore Wind Project;
- An application to consent the generation assets for the Morecambe Offshore Windfarm; and
- An application to consent the offshore and onshore transmission assets for both the Morgan Offshore Wind Project and Morecambe Offshore Windfarm.

We are now consulting on these projects. Please complete this feedback form or go online to find out more and share your thoughts: www.morecambeandmorgan.com

Your chance to take part

This first round of consultation is running from 2 November to 13 December 2022.

The aim of the consultation is to introduce our projects, share our early plans and give you the opportunity to have your say.

We will consider all comments we receive, alongside further technical and environmental surveying work.

We value your feedback and will use it to help us develop and refine our proposals.

You can share feedback by:

- Using our project website: **www.morecambeandmorgan.com**
Submit feedback on our website using our online feedback form and interactive map. The mapping tool allows you to leave comments at specific locations.
- Sending an email to: **info@morecambeandmorgan.com**
We welcome all feedback and any questions you might have about the project.
- Sending written feedback to our freepost address:
Freepost MORECAMBE AND MORGAN
Send this feedback form or write a letter. You don't need a stamp.

Your details	
Title:	First name:
Date:	Surname:
Company/Organisation, where applicable (optional):	
Address:	
Postcode:	E-mail address:

Please refer to the privacy notice on this form for details of how we will handle your data.

Q1 The proposed Morecambe and Morgan transmission assets infrastructure will include an onshore cable corridor route within which the onshore export cables will be buried.

Do you have any comments or feedback related to the routing and site selection of the onshore cable corridor within the Scoping boundary? For example, this may relate to ecology, cultural heritage, residential properties or land use.

Does your feedback relate to (please tick all that apply):	Morecambe Offshore Windfarm (generation assets) <input type="radio"/>	Morgan Offshore Wind Project (generation assets) <input type="radio"/>	Morecambe and Morgan Wind Farms: Transmission Assets <input type="radio"/>
<hr/> <hr/> <hr/> <hr/> <hr/>			

Q2 The proposed Morecambe and Morgan transmission assets infrastructure will comprise two onshore substations.

Do you have any comments or feedback that could help inform the site selection for the onshore substations? For example, this may relate to ecology, cultural heritage, residential properties or land use.

Does your feedback relate to (please tick all that apply):	Morecambe Offshore Windfarm (generation assets) <input type="radio"/>	Morgan Offshore Wind Project (generation assets) <input type="radio"/>	Morecambe and Morgan Wind Farms: Transmission Assets <input type="radio"/>
<hr/> <hr/> <hr/> <hr/> <hr/>			

Q3 The proposed Morecambe and Morgan generation assets will comprise wind turbines and associated infrastructure within the array areas.

Do you have any comments or feedback that could help inform our proposals for developing the generation assets at the two wind farm sites?

Does your feedback relate to (please tick all that apply):	Morecambe Offshore Windfarm (generation assets) <input type="radio"/>	Morgan Offshore Wind Project (generation assets) <input type="radio"/>	Morecambe and Morgan Wind Farms: Transmission Assets <input type="radio"/>
<hr/> <hr/> <hr/> <hr/> <hr/>			

Q4 The proposed Morecambe and Morgan offshore wind farms will include an offshore cable corridor route(s) within which the offshore export cables will be located.

Do you have any comments to make about the offshore cable corridor route(s)?

Does your feedback relate to (please tick all that apply):	Morecambe Offshore Windfarm (generation assets) <input type="radio"/>	Morgan Offshore Wind Project (generation assets) <input type="radio"/>	Morecambe and Morgan Wind Farms: Transmission Assets <input type="radio"/>
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Q5 As we develop our proposals, we are looking for opportunities to manage and mitigate potential impacts resulting from the construction, operation and maintenance of the projects, on local residents and communities, where practicable.

Do you have any comments that could help us as we develop and refine our proposals? For example, this may relate to the use of the local road network or areas prone to flooding.

Does your feedback relate to (please tick all that apply):	Morecambe Offshore Windfarm (generation assets) <input type="radio"/>	Morgan Offshore Wind Project (generation assets) <input type="radio"/>	Morecambe and Morgan Wind Farms: Transmission Assets <input type="radio"/>
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Q6 Do you have any comments on this consultation? For example, feedback on the process, events, supporting materials or methods of engagement.

Does your feedback relate to (please tick all that apply):	Morecambe Offshore Windfarm (generation assets) <input type="radio"/>	Morgan Offshore Wind Project (generation assets) <input type="radio"/>	Morecambe and Morgan Wind Farms: Transmission Assets <input type="radio"/>
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E1.3.11 Joint website screenshots



Welcome

This website provides information relating to three separate projects that will all be the subject of their own applications for development consent:

- Morgan Offshore Wind Project (generation assets)
- Morecambe Offshore Windfarm (generation assets)
- Morgan and Morecambe Offshore Wind Farms: Transmission Assets (known as the transmission assets)

Morecambe and Morgan are two new offshore wind farms being developed in the Irish Sea.

Morecambe Offshore Windfarm Limited, a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra) and Flotation Energy Ltd., is developing the Morecambe Offshore Windfarm.

Morgan Offshore Wind Limited, a joint venture between bp and Energie Baden-Württemberg AG (EnBW), is developing the Morgan Offshore Wind Project.

These two wind farms, situated in the Irish Sea, will together generate almost 2GW of energy, and the two joint venture companies are collaborating to connect the wind farms to the electricity transmission network.

Webinar

Join our webinar where information on the project will be presented and attendees will be able to ask questions to the project team.

[Register for our webinar](#)



Indicative map showing Morecambe and Morgan offshore and onshore infrastructure.

Find out more

Visit our websites to find out more about the organisations leading the Morecambe and Morgan projects.

[Morecambe Offshore Windfarm](#)

[EnBW and bp](#)

Public consultation

Our first round of consultation on the Morecambe and Morgan offshore wind farms and their transmission assets is running for six weeks, from 2 November to 13 December 2022.

[Consultation](#)

Downloads

Download and view our consultation materials, including our consultation brochure and feedback form, and our joint Environmental Impact Assessment Scoping Report for the Morgan and Morecambe Offshore Wind Farms: Transmission Assets.

[View downloads](#)

Your feedback

You can leave us feedback by using our consultation map. You can also fill in an online feedback form.

[Consultation map](#)



Who we are

Morecambe

Morecambe Offshore Windfarm Limited, a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra) and Flotation Energy Ltd, is developing the Morecambe Offshore Windfarm.

About Cobra

Cobra is a worldwide leader with more than 75 years of experience in the development, construction and management of industrial infrastructure and energy projects. Cobra has an international presence in Europe, Asia, Africa and the Americas. In recent years the company has focused on renewable energy projects, including onshore & offshore wind and solar power including a specialised floating windfarm business.

Cobra has a business culture that is focused on quality and excellence stemming from its greatest asset; it's employees.

About Flotation

Flotation Energy has been a significant contributor to building a strong offshore wind industry in the UK and beyond. Flotation Energy has a growing project pipeline of offshore wind projects with more than 12GW in the UK, Ireland, Taiwan, Japan and Australia; and plans to expand into many more key markets.

The expertise of the Flotation Energy team lies in the project and engineering management of large infrastructure projects. Flotation Energy have developed their own projects but also recognise the benefits of collaboration and working in partnership with other developers to deliver proven, cost-effective solutions.

Morgan

Morgan Offshore Wind Limited, a joint venture between bp and Energie Baden-Württemberg AG (EnBW), is developing the Morgan Offshore Wind Project.

About EnBW

EnBW Energie Baden-Württemberg AG is one of the largest energy supply companies in Germany and supplies electricity, gas, water, energy solutions and energy industry services to around 5.5 million customers.

We have a workforce of more than 23,000 employees. Half of the EnBW generation portfolio will be comprised of renewable energies by 2025.

Further expanding renewables in Germany and selected European markets is a central element of EnBW's growth strategy. Since the beginning of its corporate transformation in 2013, EnBW has successfully invested nearly €5 billion in its renewable energies segment.

Around another €4 billion is to be invested by 2025, primarily in further expanding wind and solar energy, meaning that a good 50 per cent of EnBW's generation portfolio will consist of renewables.

EnBW was among the pioneers in offshore wind power with its Baltic 1 offshore wind farm in the Baltic Sea. In January 2020, the company took into operation Germany's largest offshore wind power project, EnBW Hohe See and Albatros, with a combined capacity of 609 megawatts (MW).

The He Dreiht offshore wind farm with a capacity of around 900MW is planned to be connected to the grid in 2025. He Dreiht will operate without any state subsidies.

About bp

bp's purpose is to reimagine energy for people and our planet. bp has set out an ambition to be a net zero company by 2050, or sooner, and help the world get to net zero.

This strategy will see bp transform from an international oil company producing resources - to an integrated energy company providing solutions to customers.

bp already has a significant onshore wind business in the US with a gross generating capacity of 1.7GW, operating nine wind assets across the country as well as a 5.2GW net offshore pipeline.



Connecting the windfarms to the electricity network

The point of interconnection

The Morecambe and Morgan offshore wind farms are expected to connect to the electricity transmission network via an existing National Grid substation at Penwortham in Lancashire.

This is known as the point of interconnection (POI) and was identified through a rigorous site selection process undertaken by National Grid, which manages the electricity transmission network.

The onshore substations

To connect to the electricity transmission network we will need to construct new substations. These new substations are needed to enable us to transform the power supplied from the windfarms to connect into the grid.

To maintain electrical independence, one substation will be required for the Morgan Offshore Wind Project and one for the Morecambe Offshore Windfarm.

We will conduct a thorough site selection process, taking into account factors such as proximity to homes, environmental constraints and technical constraints.

Further engagement will be planned and further details will be available as this process progresses.

We would like you to provide us with any feedback or local information for consideration in the site selection process.

How do we choose a cable route?

The route planning and site selection process for the onshore cable corridor route involves the identification of a range of engineering, commercial, environmental, land interest and community related principles and constraints.

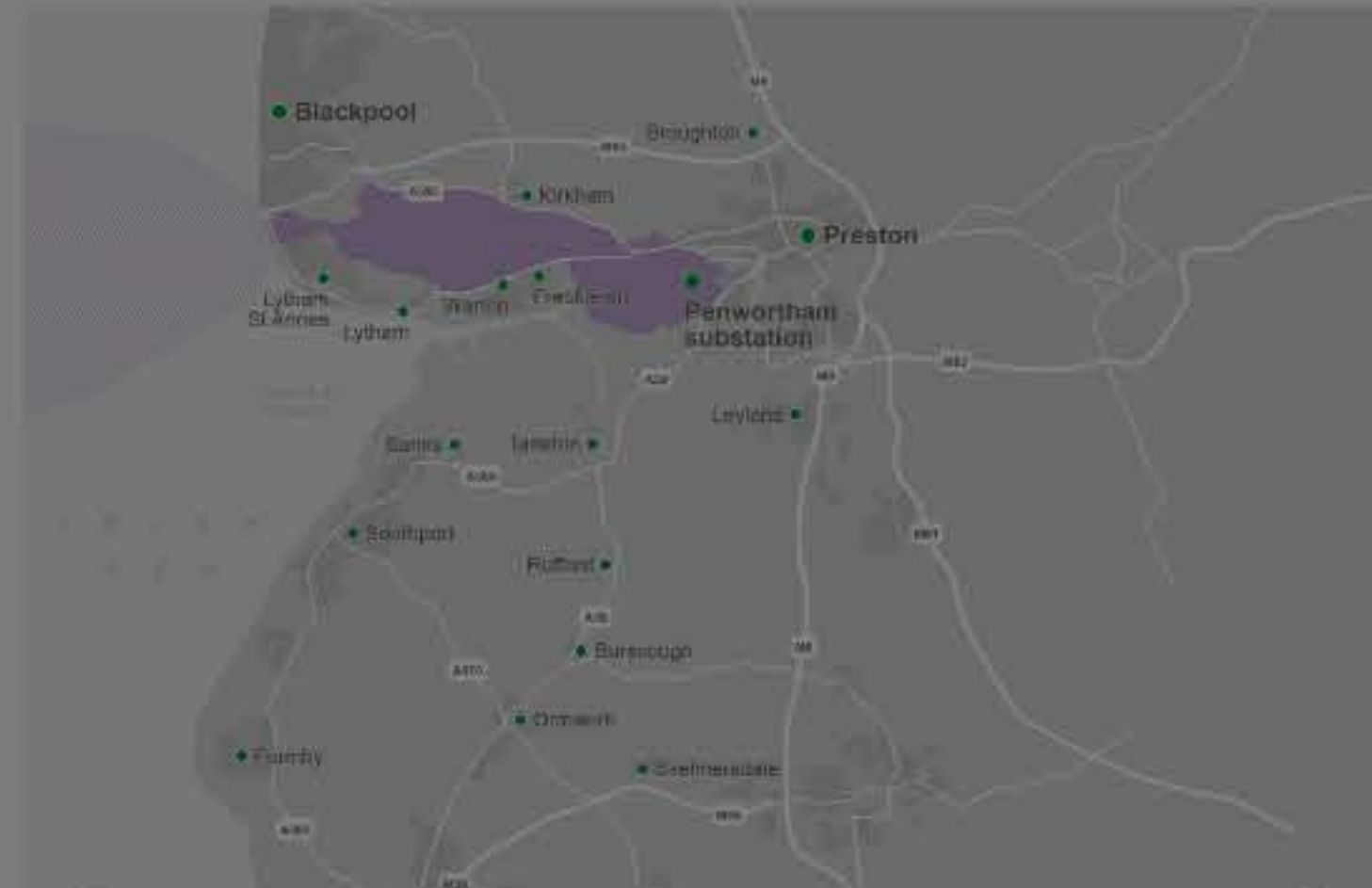
These are then used to identify potential onshore cable corridor route options for consideration.

Engineering considerations will include aspects such as technical feasibility and the identification of the shortest and most direct route, wherever practicable.

Examples of environmental constraints will include consideration of designated sites, protected species, landscape and cultural considerations.

Other constraints that will also be considered include the location of existing utilities and other local infrastructure.

During the process we will also be seeking feedback from landowners, local communities and bodies such as local planning authorities, the Environment Agency and Historic England, to help us refine our proposals.



Enter your feedback

Use the form below to enter your feedback. You can come back and update this later if you wish.

[Close](#)

Onshore Section 1 of 5

1. The proposed Morecambe and Morgan transmission assets infrastructure will include an onshore cable corridor route within which the onshore export cables will be buried.

Do you have any comments or feedback related to the routing and site selection of the onshore cable corridor within the Scoping boundary? For example, this may relate to ecology, cultural heritage, residential properties or land use.

Does your feedback relate to (please tick all that apply):

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

2. The proposed Morecambe and Morgan transmission assets infrastructure will comprise two onshore substations.

Do you have any comments or feedback that could help inform the site selection for the onshore substations? For example, this may relate to ecology, cultural heritage, residential properties or land use.

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

[Add to my feedback +](#)



Our offshore infrastructure

Our offshore infrastructure will include the turbines, offshore substations and cables. We also need to identify the cable landfall location (the point at which cables carrying the electricity being generated reach the shore).

The area that we are currently evaluating for where our offshore cable route could be located is known as the Offshore Transmission Assets Scoping Boundary, shown on the map above.

We would welcome comments on Offshore Transmission Assets Scoping Boundary that may help us as we determine factors to be considered when deciding where our offshore infrastructure should be located.

These could be comments on anything from marine ecology to shipping routes or seascape visual impact.

How we construct an offshore wind farm

We are currently developing and refining details around how our offshore infrastructure will be constructed, operated and maintained.

Typically this would include the following broad activities:

- Prior to installation, some seabed preparation activities may be required such as removing sand and boulders to clear a route for the offshore cable and the turbine foundations;
- The wind turbine and offshore substation foundations are then installed, before the wind turbine tower, blades and the substation structure are installed on top of the foundations. The offshore substation platforms and booster station are also installed;
- Inter-array cables will be installed into the seabed between each wind turbine, between the wind turbines and the offshore substations; and between the offshore substations and the shore. This will involve a number of different types of vessels including those with cranes installed, support vessels and cable vessels;
- At the landfall, the offshore export cables will be brought ashore before being connected to the onshore export cables.

The exact methodology or methodologies are being developed and will be presented via future engagement.

Turbines and other infrastructure

It is too early in the process to know the size and number of turbines required, along with the size and location of offshore substations, or the location of interarray cables, but we are working to develop that information for our next stage of consultation.

Due to the nature of each wind farm, Morecambe and Morgan infrastructure won't necessarily look the same. This will form part of the information shared at the next consultation.



Indicative map showing offshore infrastructure.

Offshore
Section 2 of 5

3. The proposed Morecambe and Morgan generation assets will comprise wind turbines and associated infrastructure within the array areas.

Do you have any comments or feedback that could help inform our proposals for developing the generation assets at the two wind farm sites?

Does your feedback relate to:

Morecambe Offshore Windfarm (generation assets)
 Morgan Offshore Wind Project (generation assets)
 Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

4. The proposed Morecambe and Morgan offshore wind farms will include an offshore cable corridor route(s) within which the offshore export cables will be located.

Do you have any comments to make about the offshore cable corridor route(s)?

Does your feedback relate to:

Morecambe Offshore Windfarm (generation assets)
 Morgan Offshore Wind Project (generation assets)
 Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

Add to my feedback +

How will energy reach homes and businesses?

Electricity generated from the offshore wind farms is transported to the existing national electrical transmission network – which is usually called the national grid – using export cables.

When they are offshore, these export cables typically run under the seabed wherever possible and once they reach the shore they are usually buried underground.

The point where offshore cables and onshore cables meet is called the landfall point.

Next, there needs to be a connection to the national grid. Above ground infrastructure in the form of onshore substation(s) will be required to allow the energy to feed into the grid.

The power that Morecambe and Morgan will generate will go directly into the national grid; the large 'pot' of energy that is then distributed to our homes and businesses across the UK.



Enter your feedback

Use the form below to enter your feedback. You can come back and update this later if you wish.

Close

Construction

Section 3 of 5

5. As we develop our proposals, we are looking for opportunities to manage and mitigate potential impacts resulting from the construction, operation and maintenance of the projects, on local residents and communities, where practicable.

Do you have any comments that could help us as we develop and refine our proposals? For example, this may relate to the use of the local road network or areas prone to flooding.

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

Add to my feedback +



Environment and technical assessments

As a part of the development process, a range of Environmental Impact Assessments (EIA) will be undertaken to assess the potential impacts of the construction, operation and maintenance, and decommissioning of the projects.

The identification and assessment of potential environmental impacts has and will continue to be undertaken in consultation with statutory bodies such as the local planning authorities, the Environment Agency, the Wildlife Trust, Natural England, the Marine Management Organisation (MMO), and will be specific to the local environmental and social context and baseline.

Separate EIA Scoping Reports have been submitted to the Planning Inspectorate for the Morgan Offshore Wind Project generation assets and the Morecambe Offshore Windfarm generation assets respectively. Scoping Opinions have been provided by the Planning Inspectorate (on behalf of the Secretary of State) for both projects.

A consultation period follows the submission of the Scoping Reports, after which a Scoping Opinion is provided to the projects by the Planning Inspectorate.

This opinion collates and incorporates feedback from consultees, as well as the Planning Inspectorate, related to the scoping of the Environmental Impact Assessments.

The projects will review and consider the feedback, which will then form the basis of the more detailed assessments to be provided in the Preliminary Environmental Information Report (PEIR) that will be produced for of each of the three applications for development consent.

EIA Scoping Report

These documents are submitted to the Planning Inspectorate for consideration.

They set out the information that we intend to consider and assess as part of our Environmental Impact Assessments.

Downloads

Find copies of our Scoping Reports on our [downloads page](#).



The Crown Estate's seabed leasing process

In 2021, The Crown Estate announced that it had selected six proposed new offshore wind projects in the waters around England and Wales, through a process known as Offshore Wind Leasing Round 4.

Combined, these Round 4 sites represent just under 8GW of potential new offshore wind capacity, offering the opportunity to deliver clean electricity for more than seven million homes and create employment opportunities across the country.

EnBW and bp were selected together as the preferred bidder for two major seabed leases in the Irish Sea – these are the sites that will become the Morgan and Mona offshore wind farms. Joint venture partners Cobra and Flotation Energy (who have now formed Morecambe Offshore Windfarm Ltd.) were selected together as the preferred bidder for a separate seabed lease in a different area of the Irish Sea, on the site that will become the Morecambe Offshore Windfarm.

The leases are in an area that boasts strong wind resources and shallow water depths. The leases cover an area of around 900km² of the seabed and will have a lifespan of up to 60 years. Our wind farms will enter operations by 2030.

You can find out more about the offshore leasing process on The Crown Estate website.



The application process

The Government classifies major energy projects as Nationally Significant Infrastructure Projects (NSIPs). Permission is granted in line with the national policy guidance set out in the Planning Act 2008.

The generation assets for the Morecambe Offshore Windfarm and the generation assets for the Morgan Offshore Wind Project are each considered to be NSIPs in their own right and will be the subject of separate applications for development consent.

An application for development consent will therefore be made for the generation assets of each offshore wind farm, one for Morecambe and one for Morgan. A third application for development consent will be made for both projects' joint transmission assets.

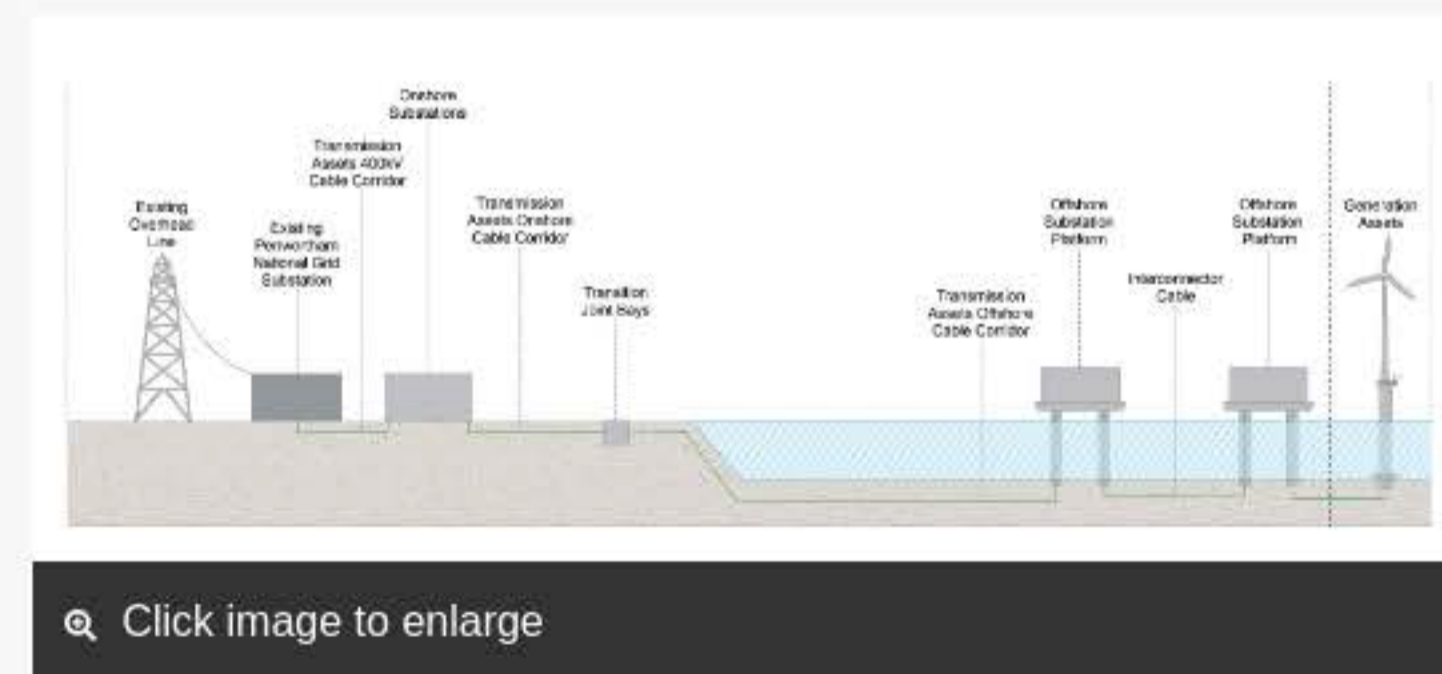
Applications for development consent are submitted to, and examined by, the Planning Inspectorate and decisions are made by the relevant Secretary of State, in this case the Secretary of State for Business, Energy and Industrial Strategy.

Separate projects

This website sets out information relating to three separate projects that will all be subject of their own applications for development consent:

- Morgan Offshore Wind Project (generation assets)
- Morecambe Offshore Windfarm (generation assets)
- Morgan and Morecambe Offshore Wind Farms: Transmission Assets (known as the Transmission Assets)

The diagram below illustrates which parts of the projects are classified as generation assets (Morecambe Offshore Windfarm and Morgan Offshore Wind Project) and which parts are classified as Transmission Assets.



🔍 Click image to enlarge



What's next

Indicative timeline (as of publication 2022)

- 2022**
 - Autumn 2022
 - Ongoing technical and environmental survey work
 - Non-statutory consultation on Morecambe and Morgan offshore wind farms
- 2023**
 - Statutory consultation on Morecambe and Morgan offshore wind farms
- 2024**
 - Applications submitted for Development Consent (DCOs)
- 2026**
 - Earliest anticipated commencement of construction
- 2028/29**
 - Expected start – Commercial Operations Dates (CODs)



Downloads

Consultation materials

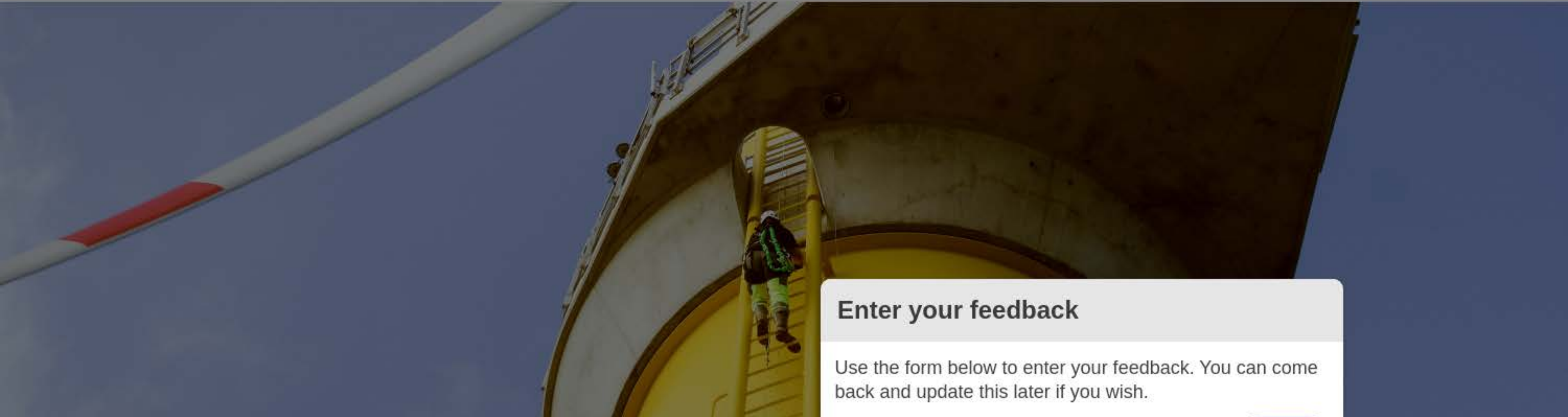
Download copies of the consultation material here:

- [Morecambe and Morgan consultation brochure - Autumn 2022](#)
- [Morecambe and Morgan feedback form – Autumn 2022](#)

Scoping reports

Download copies of the relevant scoping reports here:

- [Morgan and Morecambe Offshore Wind Farms: Transmission Assets Environmental Impact Assessment Scoping Report](#)
- [Morecambe Offshore Windfarm Generation Assets Scoping Report](#)
- [Morgan Offshore Wind Project Environmental Impact Assessment Scoping Report](#)



Jobs and skills

Supporting the local, regional and national economy

Our proposals for Morecambe and Morgan will unlock significant economic benefits, both in terms of the jobs we will create and the supply chain opportunities that will be on offer for businesses across the UK.

Jobs

As we develop our plans in more detail, the scale of this economic boost will become clearer – but we already know that we will create and support thousands of jobs during the different phases of our projects.

For example, for Morgan this breaks down to*:

- 350 jobs during planning and design, worth around £8.75 million per year
- 1000 jobs during construction, worth around £37.4 million each year
- 295 jobs during operations, worth around £13.8 million each year

* Source: Oxford Economics, figures represent a pro rata share of projected economic impact of EnBW and bp's Morgan and Mona projects

Supply chain

We know that offshore wind projects bring significant benefits to their local communities and we think it's incredibly important the local supply chain contributes to this project too.

Using the information on our project websites, local companies can pair their skills with the projects' needs the portals provide access for companies of all sizes to register their interest for future work.

These projects encourage UK-based suppliers, particularly those with connections across the north west of England and North Wales, to register their interest.

We have portals open for Morecambe and Morgan respectively:

Morecambe Offshore Windfarm

EnBW and bp

Ports and harbours

We are engaging with ports and harbours around the Irish Sea that could support construction activities and then eventually operations and maintenance for the wind farms.

Enter your feedback

Use the form below to enter your feedback. You can come back and update this later if you wish.

Close

Local

Section 5 of 5

7. Do you know if there are any local events or areas of cultural, heritage or environmental significance that we should be aware of?

Does your feedback relate to:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

Add to my feedback +



Have your say

Early consultation with local communities and consultees is a key part of this process, so that feedback on potential social and environmental impacts, opportunities and potential mitigation measures can be considered in advance of an application being made.

This consultation represents the first opportunity for local communities and other stakeholders to understand the collaboration between the two projects and broad details of how each will be developed. We welcome feedback on any aspect of the information we're sharing on the projects.

To help us develop our proposals further we're asking for your feedback on our early plans.

We're carrying out lots of our own technical and environmental assessments but people living near to the proposals have local knowledge we would really value.

You can share feedback by:

- **Using our project website:** Submit feedback on our website using our online [feedback form](#) and [interactive map](#). The mapping tool allows you to leave comments at specific locations.
- **Sending an email to:** info@morecambeandmorgan.com

We welcome all feedback and any questions you might have about the projects.

- **Sending written feedback to our freepost address:**
Freepost MORECAMBE AND MORGAN

You can write us a letter or send hard copy feedback forms, which will be available at events or by request. You don't need a stamp.

You can download the consultation materials [here](#)

Meet the team

As part of the consultation we are holding a series of public events. These are a great way to meet our team, find out about the project and ask any questions you might have.

Consultation events

Date	Time	Venue
3 Nov	3pm - 7pm	Douglas Borough Council, Town Hall, Ridgeway Street, Douglas, Isle of Man IM99 1AD
19 Nov	2.30pm - 6.30pm	Morecambe War Memorial Hall, Church St, Morecambe LA4 5PR
21 Nov	3pm - 7pm	Lytham Assembly Rooms, Dicconson Terrace, Lytham FY8 5JY
23 Nov	3pm - 7pm	Hutton Village Hall, Moor Ln, Hutton, Preston PR4 5SE
24 Nov	3pm - 7pm	The Gild Hall, Church Rd, Formby, Liverpool L37 3NG

Pop-up events

Date	Time	Venue
18 Nov	10am - 1pm	Barrow-in-Furness Leisure Centre, Greengate St, Barrow-in-Furness LA13 9DT
22 Nov	10am - 1pm	Fleetwood YMCA Leisure Centre, Fleetwood FY7 6HF
22 Nov	2:30pm - 4:30pm	Blackpool Tourist Information Centre, Promenade, Blackpool FY1 1AP
23 Nov	10am - 1pm	Preston Fishergate Shopping Centre, Preston, PR1 8HJ
24 Nov	10am - 1pm	Southport Eco Centre, Esplanade, Southport PR8 1RX
30 Nov	10am - 1pm	Amlwch Town Hall, Amlwch LL68 9EN

Online event

We are holding webinars where information on the project will be presented and attendees will be able to have questions answered by the project team.

Date	Time	Venue
Thursday 10 November	6:30pm – 8pm	

Enter your feedback

Use the form below to enter your feedback. You can come back and update this later if you wish.

Close

How will we use your feedback

Following the conclusion of this first stage of consultation, we will analyse the feedback we have received, along with conducting further technical impact assessments and design work to develop our proposals ahead of further public consultation.

Comments we receive from future consultations will also be used to develop our final proposals.

All the comments we receive during these consultations will be reviewed so the subjects raised – and our responses – can be included in our Consultation Reports. These reports will form part of our applications for development consent.

Consultation

Section 4 of 5

6. Do you have any comments on this consultation? For example, feedback on the process, events, supporting materials or methods of engagement.

Does your feedback relate to:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

Add to my feedback +



Feedback form

Onshore

Section 1 of 5

1. The proposed Morecambe and Morgan transmission assets infrastructure will include an onshore cable corridor route within which the onshore export cables will be buried.

Do you have any comments or feedback related to the routing and site selection of the onshore cable corridor within the Scoping boundary? For example, this may relate to ecology, cultural heritage, residential properties or land use.

Does your feedback relate to (please tick all that apply):

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

2. The proposed Morecambe and Morgan transmission assets infrastructure will comprise two onshore substations.

Do you have any comments or feedback that could help inform the site selection for the onshore substations? For example, this may relate to ecology, cultural heritage, residential properties or land use.

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

Continue >

Feedback sections

- Onshore
- Offshore
- Construction
- Consultation
- Local
- Your details **Required**

Contact us

You can [get in touch with us here](#).



Feedback form

 Offshore

Section 2 of 5

3. The proposed Morecambe and Morgan generation assets will comprise wind turbines and associated infrastructure within the array areas.

Do you have any comments or feedback that could help inform our proposals for developing the generation assets at the two wind farm sites?

Does your feedback relate to:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

4. The proposed Morecambe and Morgan offshore wind farms will include an offshore cable corridor route(s) within which the offshore export cables will be located.

Do you have any comments to make about the offshore cable corridor route(s)?

Does your feedback relate to:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets





Character Count: 7000

Enter your feedback

Go back

Continue >

Feedback sections

- Onshore
-  Offshore
-  Construction
-  Consultation
-  Local
- Your details **Required**

Contact us

You can get in touch with us here.

Feedback form

 Construction

Section 3 of 5

5. As we develop our proposals, we are looking for opportunities to manage and mitigate potential impacts resulting from the construction, operation and maintenance of the projects, on local residents and communities, where practicable.

Do you have any comments that could help us as we develop and refine our proposals? For example, this may relate to the use of the local road network or areas prone to flooding.

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets







Character Count: 7000

Enter your feedback

Go back

Continue >

Feedback sections

-  Onshore
-  Offshore
-  **Construction**
-  Consultation
-  Local
-  Your details **Required**

Contact us

You can get in touch with us here.

Feedback form

● Consultation

Section 4 of 5

6. Do you have any comments on this consultation? For example, feedback on the process, events, supporting materials or methods of engagement.

Does your feedback relate to:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

Go back

Continue >

Feedback sections

- Onshore
- Offshore
- Construction
- **Consultation**
- Local
- ▼ Your details **Required**

Contact us

You can get in touch with us here.

Feedback form

Local

Section 5 of 5

7. Do you know if there are any local events or areas of cultural, heritage or environmental significance that we should be aware of?

Does your feedback relate to:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morecambe and Morgan Wind Farms: Transmission Assets

Character Count: 7000

Enter your feedback

Go back

Continue >

Feedback sections

Onshore

Offshore

Construction

Consultation

Local

Your details

Required

Contact us

You can get in touch with us here.

Feedback form

▾ Your details

Title

First name*

Last name*

Address

Postcode*

Phone

Email

Are you responding on behalf of an organisation?

Yes No

Organisation

Please keep me informed of the project's progress

[Go back](#)

[Review your feedback](#) >

Feedback sections

- Onshore
- Offshore
- Construction
- Consultation
- Local
- Your details** Required

Contact us

You can get in touch with us [here](#).

Feedback form

Review your feedback

Question

Please [complete your details](#) to submit your feedback.

Review your feedback

This page shows the feedback you have entered so far for your review. When satisfied with your response, complete your details to submit your feedback at the bottom of this page.

Close

Feedback sections

- Onshore
- Offshore
- Construction
- Consultation
- Local
- Your details **Required**

Contact us

You can get in touch with us here.

Successful feedback

Your feedback has been submitted

Thank you for submitting your feedback. We will review all your comments alongside other feedback and take them into account as we prepare our planning application.

[Back home](#)

Contact us

You can get in touch with us [here](#).

Contact Us

You can contact the community relations team by:

Calling: 0800 915 2493

Email: info@morecambeandmorgan.com

Post: Freepost MORECAMBE AND MORGAN

Cookie policy

Cookie policy for BP Morecambe & Morgan

Our website uses cookies to distinguish you from other users of our website, help operate the site and for analytical purposes.

This helps us to provide you with a good experience when you browse our website and also allows us to improve our site.

Cookies are small text files of letters and numbers that we store on your browser or the hard drive of your computer, smartphone, Smart TV or other smart device, if you agree. Cookies contain information that is transferred to your computer's hard drive or browser. Cookies are widely used in order to make websites work, or work more efficiently. Cookies also provide anonymous information to the owners of the site about how people are using their site. Our cookies don't store sensitive or personally identifiable information about you. Nor do they pass personally identifiable data to third parties.

BP Morecambe & Morgan uses the following cookies:

- **Strictly necessary cookies.** These are cookies that are required for the operation of our website. They include, for example, cookies that enable you to log into secure areas of our website.
- **Analytical/performance cookies.** These cookies allow us to recognise and count the number of visitors and to see how visitors move around our website when they are using it. This helps us to improve the way our website works, for example, by ensuring that users are finding what they are looking for easily.

You can find more information about the individual cookies we use and the purposes for which we use them in the table below:

BP Morecambe & Morgan

Cookie	Purpose
_ga	Google Analytics - used to collect anonymous information about how visitors use our website. We use the information to compile reports and help us improve our website. The information collected is anonymous and includes the number of visitors to the website, what pages they visited and where they have come to the website from.
_gid	Google Analytics - used to collect anonymous groupings of user data.

Some features used on this website may involve a cookie being sent to your computer by a third party. For example, if you view or listen to any embedded audio or video content you may be sent cookies from the site where the embedded content is hosted. Likewise, if you share any content on this website through social networks (for example by clicking a Facebook "like" button or a "Tweet" button) you may be sent cookies from these websites.

We do not control the setting of these cookies so please check the websites of these third parties for more information about their cookies and how to manage them.

You can block cookies by activating the setting on your browser that allows you to refuse the setting of all or some cookies. However, if you use your browser settings to block all cookies (including essential cookies) you may not be able to access all or parts of our site. Each browser is different, so check the 'Help' menu of your particular browser (or your mobile phone's handset manual) to learn how to change your cookie preferences.

For more information about cookies, visit: www.allaboutcookies.org.

For further information about cookies and how to disable them please go to the Information Commissioner's webpage on cookies: <https://ico.org.uk/for-the-public/online/cookies/>.

Privacy policy

Privacy policy for BP Morecambe & Morgan

BP Morecambe & Morgan. (We) are committed to protecting and respecting your privacy.

This policy (together with our terms of use and any other documents referred to on it) sets out the basis on which any personal data we collect from you, or that you provide to us or an authorised data processor acting on our behalf, will be processed by us. Please read the following carefully to understand our views and practices regarding your personal data and how we will treat it.

By accepting our Terms and Conditions and Terms of Use, you are providing your express consent for your personal data to be collected, handled, stored and used in accordance with the practices described in this policy.

For the purpose of the General Data Protection Regulation (GDPR), the data controller is BP Morecambe & Morgan. All personal data collected by us or on our behalf will be processed in accordance with the GDPR.

Information we may collect about you:

We may collect and process the following data about you:

- Your title
- Your name
- Your address
- Your postcode
- Your telephone number
- Your age range
- Your email
- The organisation you work for

Information you give us

You may give us information about you by filling in forms on our site <https://morecambeandmorgan.com> (our site) or by corresponding with us by phone, e-mail or other methods. This includes information you provide when you register with BP Morecambe & Morgan, subscribe to our service, place an order, participate in social media functions, enter a competition, promotion or survey, visit our website and when you report a problem with our website. The information that we may request from you may include your name, address, e-mail address and phone number, financial and credit card information and personal description.

Information we collect about you when you visit our website. With regard to each of your visits to our site we may automatically collect the following information. By accepting these terms, you provide your express authority for this data to be collected and used by us:

- technical information, including the Internet protocol (IP) address used to connect your computer to the Internet, your login information, browser type and version, time zone setting, browser plug-in types and versions, operating system and platform;
- information about your visit, including the full Uniform Resource Locators (URL) clickstream to, through and from our site (including date and time); products you viewed or searched for; and
- page response times, download errors, length of visits to certain pages, page interaction information (such as scrolling, clicks, and mouse-overs), and methods used to browse away from the page and any phone number used to call our customer service number.

Information we receive from other sources

We may receive information about you if you use any of the other websites we operate or the other services we provide. We are also working closely with third parties (including, for example, business partners, sub-contractors in technical, payment and delivery services, advertising networks, analytics providers, search information providers, credit reference agencies) and may receive information about you from them.

Cookies

Our website uses cookies to distinguish you from other users of our website. This helps us to provide you with a good experience when you browse our website and also allows us to improve our site. For more information please refer to our [Cookies Policy](#).

Purposes for collecting data

All data collected by us will be used for the lawful purposes of providing you with our services relating to the project. We will only ever process your personal data once you have provided your express consent for us to do so by accepting these terms.

Your data will be used for the purposes of providing services as set out in our terms of use. We will also use your data in relation to analytics, research, marketing and regulatory purposes and may provide your data to trusted third parties for the express purpose of carrying out these tasks.

Your rights as a data subject

The GDPR conveys several rights to you as a data subject regarding the control, usage and storage of your data. In order to these rights are;

- we must provide you with a copy of your personal data that we hold on our records;
- request that we correct any inaccurate data held by us;
- request a copy of your personal data for the purposes of transferring it to another data controller;
- to object to the processing of your data by us for the purposes of direct marketing, used for scientific or historical research, a task carried out in the public interest or for a legitimate purpose carried out by us or an authorised third party; and
- to object to a decision made as a result of a solely automated process, such as profiling where such a decision may have a legal or other significant affect.

Where any such request is made by you, we will provide you with a response as soon as is practicable but in any event within 30 days from the date of receipt of your request. We may require you to confirm your identity prior to responding to any request received, where your identity cannot be verified we will reject your request. We will also contact any data processor or secondary data controller instructed by us to make sure your request is handled in accordance with the GDPR.

Right to be Forgotten

You have the right to be forgotten. At any time, you may contact us and make a formal request for your personal data as held by us to be deleted and erased from our records in accordance with the GDPR. Any such request must be made in writing and can be sent to us via post or by e-mail. Upon receiving your request, we will review our records, databases, word processing systems, computer hard drives, hard copy files, voice recordings, photographs, monitoring and CCTV records, internet logs, telephone records, back-up files and third party data processors' systems and delete your personal data within 30 days of your request. In the event that you do make such a request you will be agreeing to terminate your agreement with us and end your usage of our service immediately. This does not include data that we are legally obliged to keep a record of.

Uses made of the information

We use information held about you in the following ways:

Information you give to us

- to carry out our obligations arising from any contracts entered into between you and us and to provide you with the information, products and services that you request from us;
- to comply with any and all legal obligations for us to provide information to relevant authorities.
- to provide you with information about other goods and services that we offer which are similar to those that you have already purchased or enquired about;
- to provide you, or permit selected third parties to provide you, with information about goods or services we feel may interest you. If you are an existing customer, we will only contact you by electronic means (e-mail or SMS) with information about goods and services similar to those which were the subject of a previous sale or negotiations of a sale to you. If you are a new customer and have provided your consent for us to permit selected third parties to use your data, we (or they) will contact you by electronic means. We will not use your data in this way, or pass your details on to third parties for marketing purposes, unless you give your express consent for us to do so;
- to notify you about changes to our service;
- to ensure that content from our website is presented in the most effective manner for you and for your computer.
- Where the law permits, all such data will be anonymised or pseudonymised before being supplied to an authorised third party or authority;

Information we collect about you

- to administer our site and for internal operations, including troubleshooting, data analysis, testing, research, statistical and survey purposes;
- to improve our site to ensure that content is presented in the most effective manner for you and for your computer;
- to allow you to participate in interactive features of our service, when you choose to do so;
- as part of our efforts to keep our site safe and secure;
- as part of our continuing commitment to remain GDPR compliant;
- to measure or understand the effectiveness of advertising we serve to you and others, and to deliver relevant advertising to you; and
- to make suggestions and recommendations to you and other users of our site about goods or services that may interest you or them.

Information we receive from other sources

We may combine your information with information that we collect about you. We may use this information and the combined information for the purposes set out below (depending on the types of information we receive).

Disclosure of your information

We may share your personal information with any member of our group, which means our subsidiaries, our ultimate holding company and its subsidiaries, as defined in section 1159 of the UK Companies Act 2006 for a legitimate purpose.

Unless you express to us otherwise, we may share your information with selected third parties including:

Business partners, suppliers and sub-contractors for the performance of any contract we enter into with them or you.

Advertisers and advertising networks that require the data to select and serve relevant adverts to you and others. We do not disclose information about identifiable individuals to our advertisers, but we may provide them with aggregate information about our users. We may make use of the personal data we have collected from that target audience.

Analytics and search engine providers that assist us in the improvement and optimisation of our site.

Credit reference agencies for the purpose of assessing your credit score where this is a condition of us entering into a contract with you.

We may disclose your personal information to third parties:

In the event that we sell or buy any business or assets, in which case we may disclose your personal data to the prospective seller or buyer of such business or assets.

If BP Morecambe & Morgan or substantially all of its assets are acquired by a third party, in which case personal data held by it about its customers will be one of the transferred assets.

If we are under a duty to disclose or share your personal data in order to comply with any legal obligation, or in order to enforce or apply our terms of use and other agreements; or to protect the rights, property, or safety of BP Morecambe & Morgan, our customers, or others. This includes exchanging information with other companies and organisations for the purposes of fraud protection and credit risk reduction.

Where we store your personal data

The data that we collect from you may be transferred to, and stored at, a destination outside the European Economic Area ("EEA"). It may also be processed by staff operating outside the EEA who work for us or for one of our suppliers. Such staff maybe engaged in, among other things, the fulfilment of your order, the processing of your payment details and the provision of support services. By submitting your personal data, you agree to this transfer, storing or processing. We will take all steps reasonably necessary to ensure that your data is treated securely and in accordance with the GDPR.

All information you provide to us is stored on secure servers. Any payment transactions will be encrypted using SSL technology. Where we have given you (or where you have chosen) a password which enables you to access certain parts of our site, you are responsible for keeping this password confidential. We ask you not to share a password with anyone.

Unfortunately, the transmission of information via the internet is not completely secure. Although we will do our best to protect your personal data, we cannot guarantee the security of your data transmitted to our site; any transmission is at your own risk. Once we have received your information, we will use strict procedures and security features to try to prevent unauthorised access.

We endeavour to undertake audits of our data protection policies and procedures at regular intervals. This is so that we may identify and resolve any issues in our data handling procedures that may require review and updating. Where any such updates may affect your personal data, we will contact you to inform you of the relevant changes.

Your rights

You have the right to ask us not to process your personal data for marketing purposes. We will usually inform you (before collecting your data) if we intend to use your data for such purposes or if we intend to disclose your information to any third party for such purposes. You can exercise your right to prevent such processing by checking certain boxes on the forms we use to collect your data or by writing to us setting out your objection. You can also exercise the right at any time by contacting us.

Our site may, from time to time, contain links to and from the websites of our partner networks, advertisers and affiliates. If you follow a link to any of these websites, please note that these websites have their own privacy policies and that we do not accept any responsibility or liability for these policies. Please check these policies before you submit any personal data to these websites.

Access to information

The GDPR gives you the right to access information held about you. If you wish to access your information please contact the Data Protection Officer.

Changes to our privacy policy

Any changes we may make to our privacy policy in the future will be posted on this page and, where appropriate, notified to you by e-mail. Please check back frequently to see any updates or changes to our privacy policy.

Contact

Questions, comments and requests regarding this privacy policy are welcomed and should be addressed to the BP Morecambe & Morgan, Freepost MORECAMBE AND MORGAN.

E1.3.12 Wobble board



Event here today



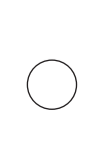
MORECAMBE



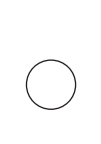
EnBW



Partners in UK offshore wind



PLEASE NOTE: THIS AREA UNDER THE DASHED LINE IS NOT VISIBLE WHEN PANEL SLOTS INTO BASE



E1.3.13 Event panels and map

Welcome to our event

Today you'll be able to learn about proposals for two new wind farms, Morecambe and Morgan, which are being developed in the Irish Sea.



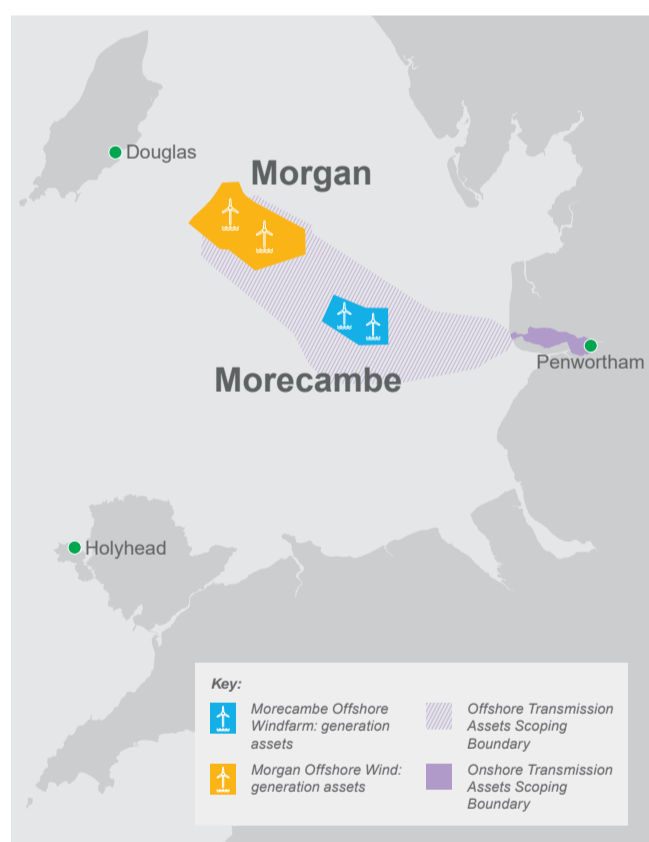
These displays set out information relating to three separate projects that will all be the subject of their own applications for development consent:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morgan and Morecambe Offshore Wind Farms: Transmission Assets (known as the Transmission Assets)

These two wind farms, situated in the Irish Sea, will together generate almost 2GW of energy, and the two joint venture companies are collaborating to connect the wind farms to the electricity transmission network.

The purpose of the consultation is to introduce our projects, share our early plans and give you the opportunity to have your say.

Your feedback will help influence the detailed design of the projects and enable us to develop the best possible proposals.



www.morecambeandmorgan.com



info@morecambeandmorgan.com



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0800 915 2493

Who are we – Morecambe

Morecambe Offshore Windfarm Limited, a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra) and Flotation Energy Ltd, is developing the Morecambe Offshore Windfarm.

About Cobra

Cobra is a worldwide leader with more than 75 years of experience in the development, construction and management of industrial infrastructure and energy projects. Cobra has an international presence in Europe, Asia, Africa and the Americas. In recent years the company has focused on renewable energy projects, including onshore & offshore wind and solar power including a specialised floating windfarm business. Cobra has a business culture that is focused on quality and excellence stemming from its greatest asset; it's employees.

About Flotation

Flotation Energy has been a significant contributor to building a strong offshore wind industry in the UK and beyond. Flotation Energy has a growing project pipeline of offshore wind projects with 10GW in the UK, Ireland, Taiwan, Japan and Australia; and plans to expand into many more key markets.

The expertise of the Flotation Energy team lies in the project and engineering management of large infrastructure projects. Flotation Energy have developed their own projects but also recognise the benefits of collaboration and working in partnership with other developers to deliver proven, cost-effective solutions.



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Who are we – Morgan

Morgan Offshore Wind Limited, a joint venture between bp and Energie Baden-Württemberg AG (EnBW), is developing the Morgan Offshore Wind Project.

About EnBW

EnBW Energie Baden-Württemberg AG is one of the largest energy supply companies in Germany and supplies electricity, gas, water, energy solutions and energy industry services to around 5.5 million customers.

We have a workforce of more than 23,000 employees. Half of the EnBW generation portfolio will be comprised of renewable energies by 2025.

Further expanding renewables in Germany and selected European markets is a central element of EnBW's growth strategy. Since the beginning of its corporate transformation in 2013, EnBW has successfully invested nearly €5 billion in its renewable energies segment.

Around another €4 billion is to be invested by 2025, primarily in further expanding wind and solar energy, meaning that a good 50 per cent of EnBW's generation portfolio will consist of renewables.

EnBW was among the pioneers in offshore wind power with its Baltic 1 offshore wind farm in the Baltic Sea. In January 2020, the company took into operation Germany's largest offshore wind power project, EnBW Hohe See and Albatros, with a combined capacity of 609 megawatts (MW).

The He Dreiht offshore wind farm with a capacity of around 900MW is planned to be connected to the grid in 2025. He Dreiht will operate without any state subsidies.

About bp

bp's purpose is to reimagine energy for people and our planet. bp has set out an ambition to be a net zero company by 2050, or sooner, and help the world get to net zero.

This strategy will see bp transform from an international oil company producing resources - to an integrated energy company providing solutions to customers.

bp already has a significant onshore wind business in the US with a gross generating capacity of 1.7GW, operating nine wind assets across the country as well as a 5.2GW net offshore pipeline.



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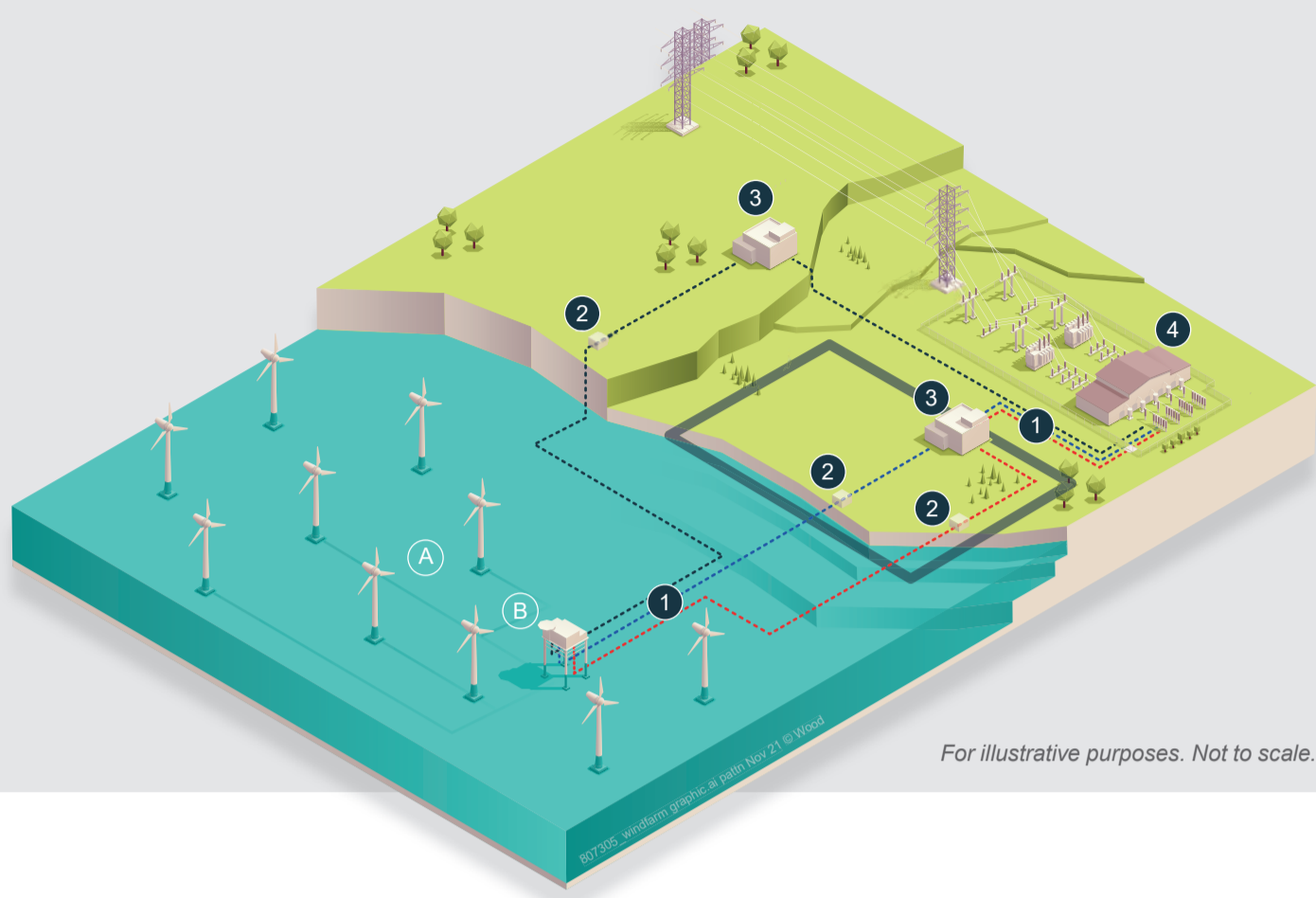


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How will energy reach homes and businesses?



Electricity generated from the offshore wind farms is transported to the existing national electrical transmission network – which is usually called the national grid – using export cables.

When they are offshore, these export cables typically run under the seabed wherever possible and once they reach the shore they are usually buried underground.

The point where offshore cables and onshore cables meet is called the landfall point.

Next, there needs to be a connection to the national grid. Above ground infrastructure in the form of onshore substation(s) will be required to allow the energy to feed in to the grid.

The power that Morecambe and Morgan will generate will go directly into the national grid; the large 'pot' of energy that is then distributed to our homes and businesses across the UK.

Key:

- 1 Cable route options
- 2 Landfall options
- A Turbine array
- 3 Onshore substation options
- 4 National Grid Point of Interconnection (POI)
- B Offshore substation



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Our onshore infrastructure

The point of interconnection

The Morecambe and Morgan offshore wind farms are expected to connect to the electricity transmission network via an existing National Grid substation at Penwortham in Lancashire.

This is known as the point of interconnection (POI) and was identified through a rigorous site selection process undertaken by National Grid, which manages the electricity transmission network.

The onshore substations

To connect to the electricity transmission network we will need to construct new substations. These new substations are needed to enable us to transform the power supplied from the windfarms to connect into the grid.

To maintain electrical independence, one substation will be required for the Morgan Offshore Wind Project and one for the Morecambe Offshore Windfarm.

We will conduct a thorough site selection process, taking into account factors such as proximity to homes, environmental constraints and technical constraints.

Further engagement will be planned and further details will be available as this process progresses.

We would like you to provide us with any feedback or local information for consideration in the site selection process.

How do we choose a cable route?

The route planning and site selection process for the onshore cable corridor route involves the identification of a range of engineering, commercial, environmental, land interest and community related principles and constraints.

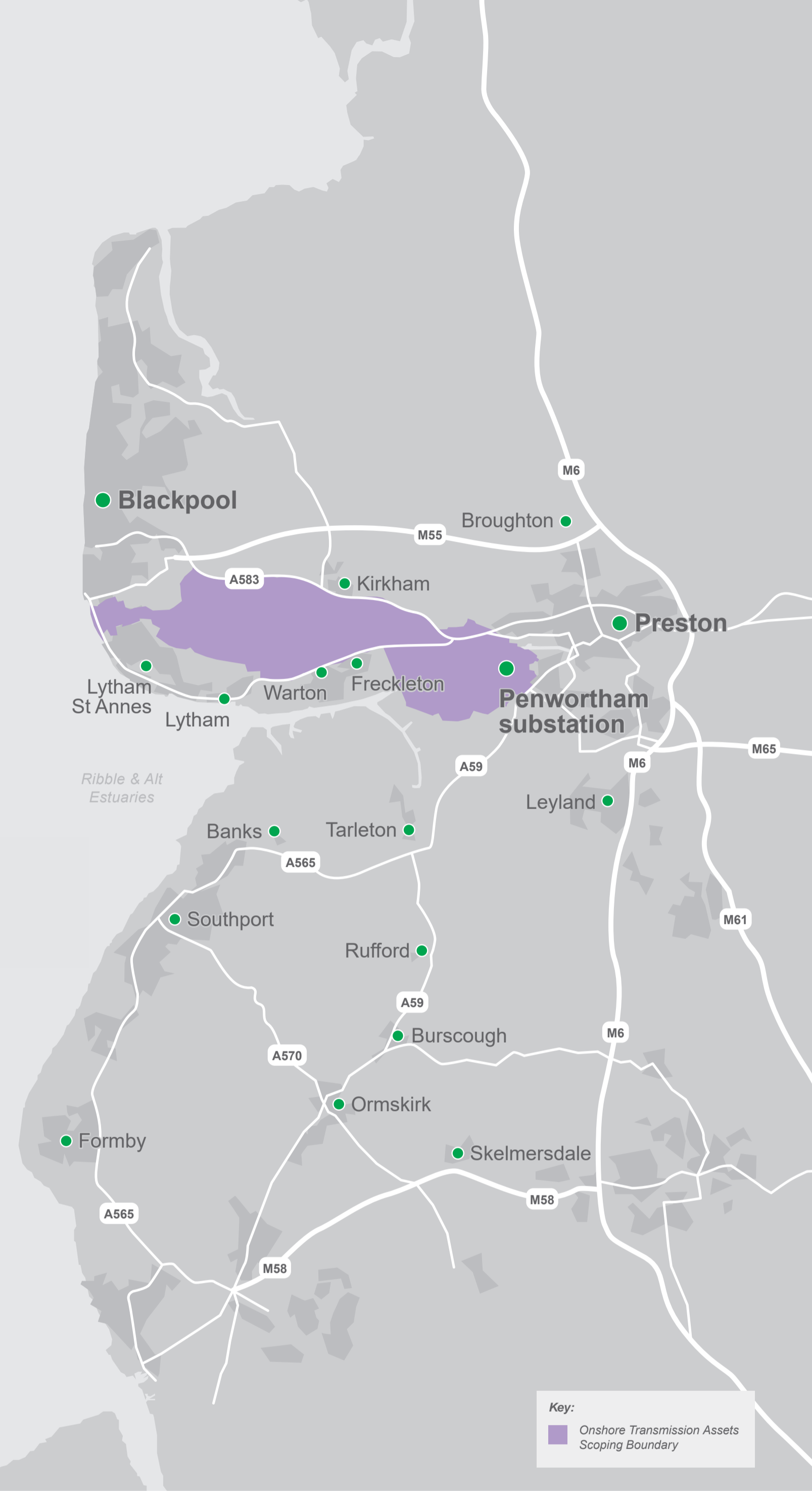
These are then used to identify potential onshore cable corridor route options for consideration.

Engineering considerations will include aspects such as technical feasibility and the identification of the shortest and most direct route, wherever practicable.

Examples of environmental constraints will include consideration of designated sites, protected species, landscape and cultural considerations.

Other constraints that will also be considered include the location of existing utilities and other local infrastructure.

During the process we will also be seeking feedback from landowners, local communities and bodies such as local planning authorities, the Environment Agency and Historic England, to help us refine our proposals.



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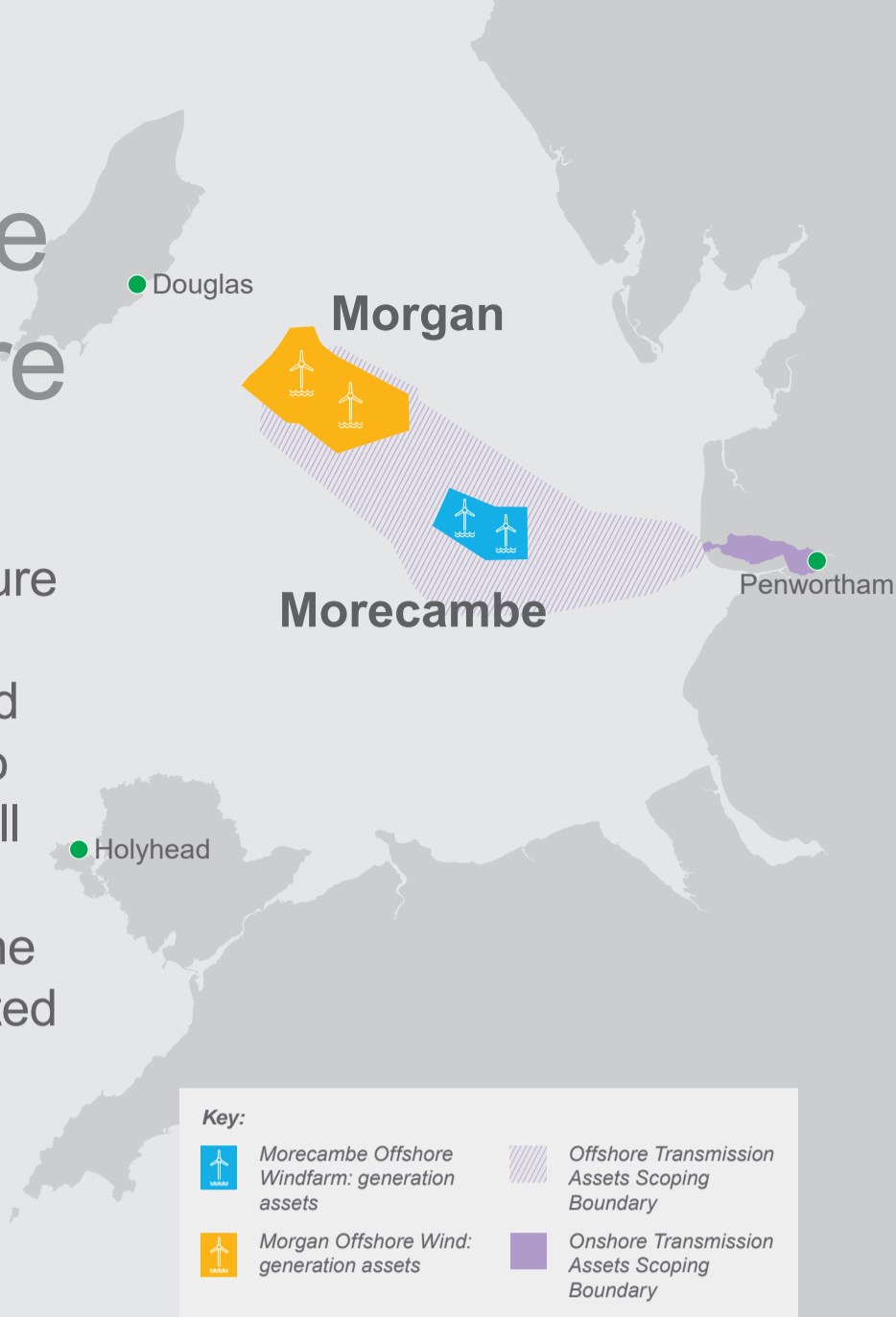
info@morecambeandmorgan.com



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Our offshore infrastructure

Our offshore infrastructure will include the turbines, offshore substations and cables. We also need to identify the cable landfall location (the point at which cables carrying the electricity being generated reach the shore).



The area that we are currently evaluating for where our offshore cable route could be located is known as the Offshore Transmission Assets Scoping Boundary, shown on the map above.

We would welcome comments on Offshore Transmission Assets Scoping Boundary that may help us as we determine factors to be considered when deciding where our offshore infrastructure should be located.

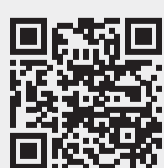
These could be comments on anything from marine ecology to shipping routes or seascape visual impact.



Turbines and other infrastructure

It is too early in the process to know the size and number of turbines required, along with the size and location of offshore substations, or the location of interarray cables, but we are working to develop that information for our next stage of consultation.

Due to the nature of each windfarm, Morecambe and Morgan infrastructure won't necessarily look the same. This will form part of the information shared at the next consultation.



www.morecambeandmorgan.com



info@morecambeandmorgan.com



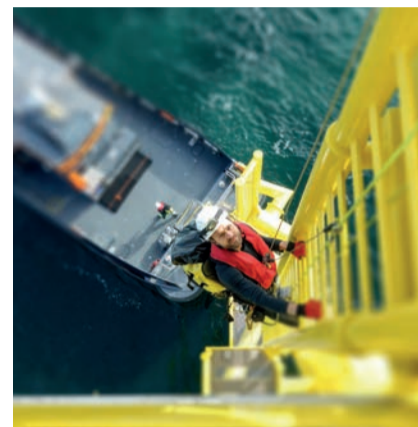
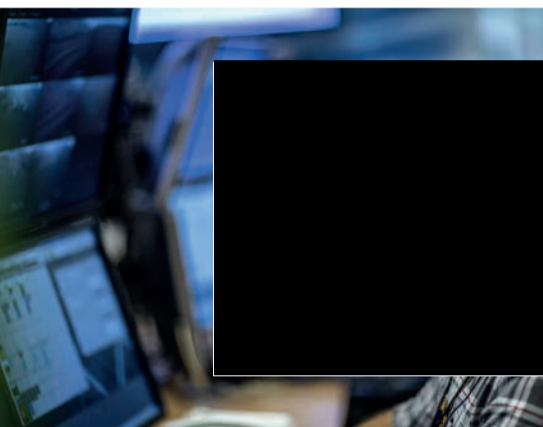
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MORECAMBE AND MORGAN



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Supporting the local, regional and national economy

Our proposals for Morecambe and Morgan will unlock significant economic benefits, both in terms of the jobs we will create and the supply chain opportunities that will be on offer for businesses across the UK.



As we develop our plans in more detail, the scale of this economic boost will become clearer – but we already know that we will create and support hundreds of jobs during the different phases of our projects.

For example, for Morgan this breaks down to:

350

jobs during planning and design, generating wages worth around £8.75 million per year

1000

jobs during construction, generating wages worth around £37.4 million each year

295

jobs during operations, generating wages worth around £13.8 million each year

Supply chain

We know that offshore wind projects bring significant benefits to their local communities and we think it's incredibly important the local supply chain contributes to these projects too.

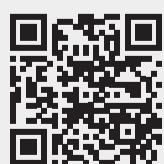
Using the information on our project websites, local companies can pair their skills with the projects' needs.

The projects are encouraging UK-based suppliers, particularly those with connections across North Wales and the north west of England, to register their interest.

We have portals open for Morecambe and Morgan respectively:
www.morecambeoffshorewind.com/#supply
www.enbw-bp.com/suppliers/

Ports and harbours

We are engaging with ports and harbours around the Irish Sea that could support construction activities and then eventually operations and maintenance for the wind farms.



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What's next

After our first stage of consultation closes, we will consider all the feedback we have received and, together with our ongoing technical studies, use that feedback to help us shape our proposals.

Have your say

To help us develop our proposals further we're asking for your feedback on our early plans.

These could include thoughts on:

- Potential environmental or community constraints to onshore or offshore cable routes
- Potential environmental or community constraints that could inform our substation location
- Community benefits
- Information that could help us plan for construction
- How we can help support jobs

Indicative timeline (as of publication 2022)

- **2022**
 - **Autumn 2022**
Ongoing technical and environmental survey work
 - Non-statutory consultation on Morecambe and Morgan offshore wind farms
- **2023**
 - Statutory consultations on Morecambe and Morgan offshore wind farms
- **2024**
 - Applications submitted for Development Consent Order (DCOs)
- **2026**
 - Earliest anticipated commencement of construction
- **2028/9**
 - Expected start – Commercial Operations Dates (CODs)



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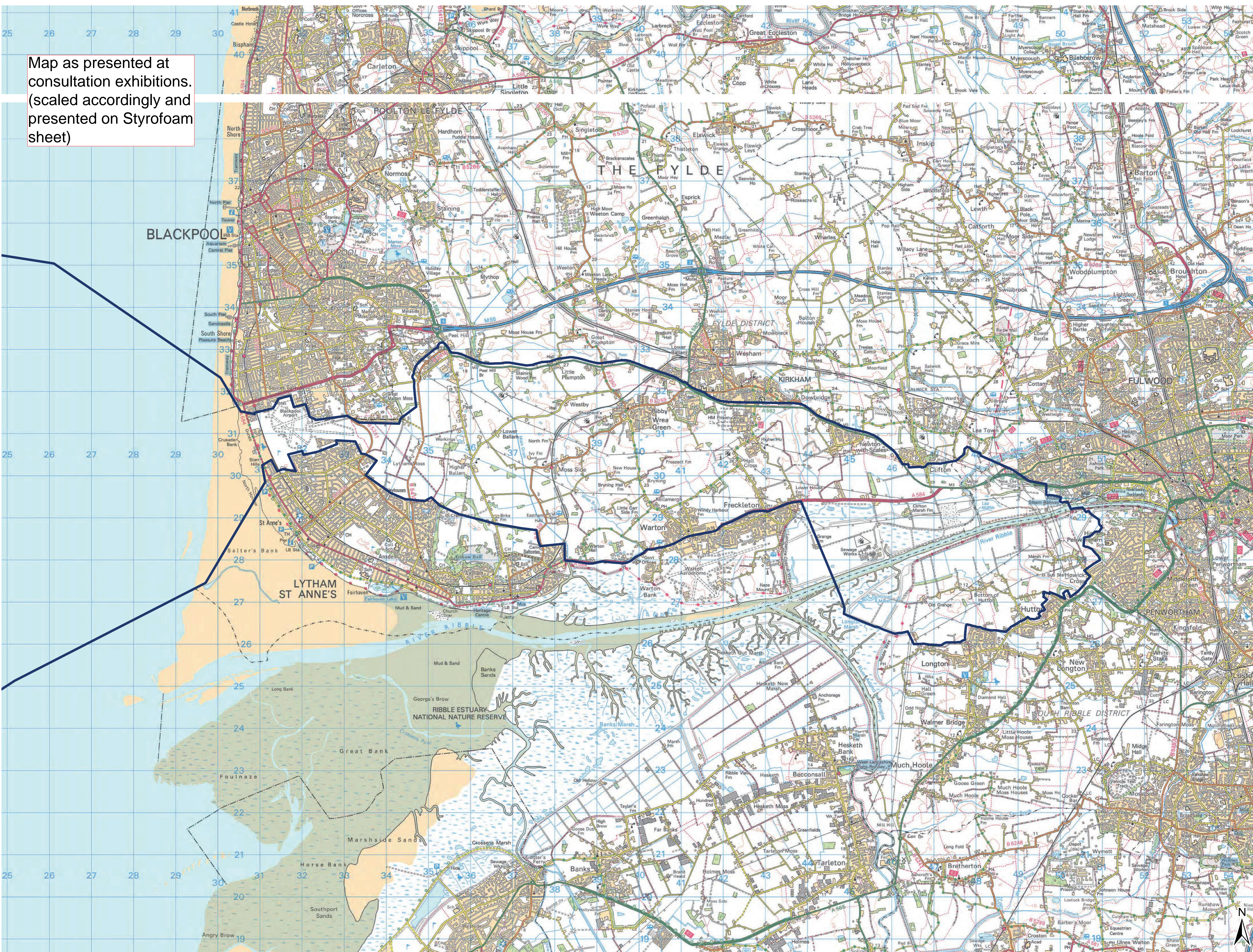
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Map as presented at consultation exhibitions. (scaled accordingly and presented on Styrofoam sheet)



Legend

-  Transmission Assets
-  Scoping Boundary – Onshore



Partners in UK offshore wind

Drawing Number:
12079-0302-02

VER	DATE	DETAILS	BY	CHECK
00	14/11/22	Initial Issue	RD	CR

Project Name:
Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Drawing Title:
Transmission Assets Scoping Boundary – Onshore

Geodetic Information:
Datum: OSGB 1936
Projection: British National Grid
Scale@ A1: 1:40,000

Data Sources:BP One Map, OS

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c)

E1.3.14 Webinar presentation 10 November 2022

Morecambe Offshore Windfarm

Morgan Offshore Wind Project

Morgan and Morecambe Offshore Wind Farms: Transmission Assets

2 November – 13 December 2022

Non-statutory consultation

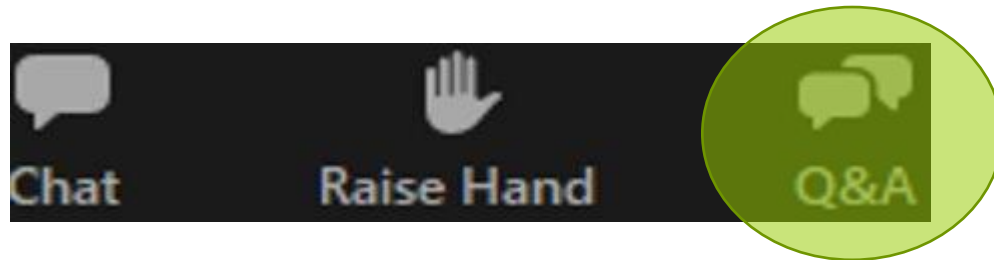


November 2022

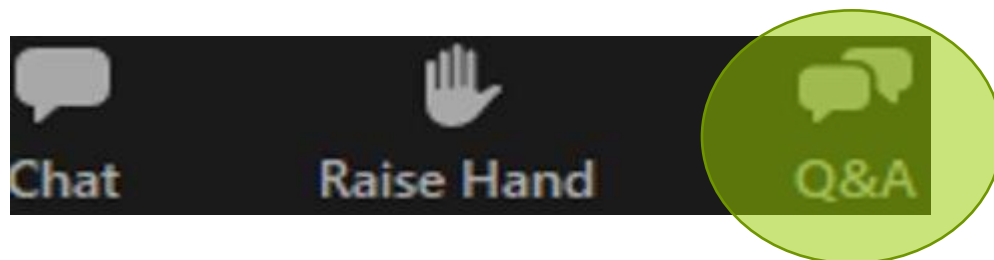


How to take part

- This webinar is being recorded – your personal details will not be visible
- Technical issues? Let us know via the Q&A box at the bottom of your screen



- Questions? Use the Q&A box to ask any questions you might have – we'll answer as many of these as we can.

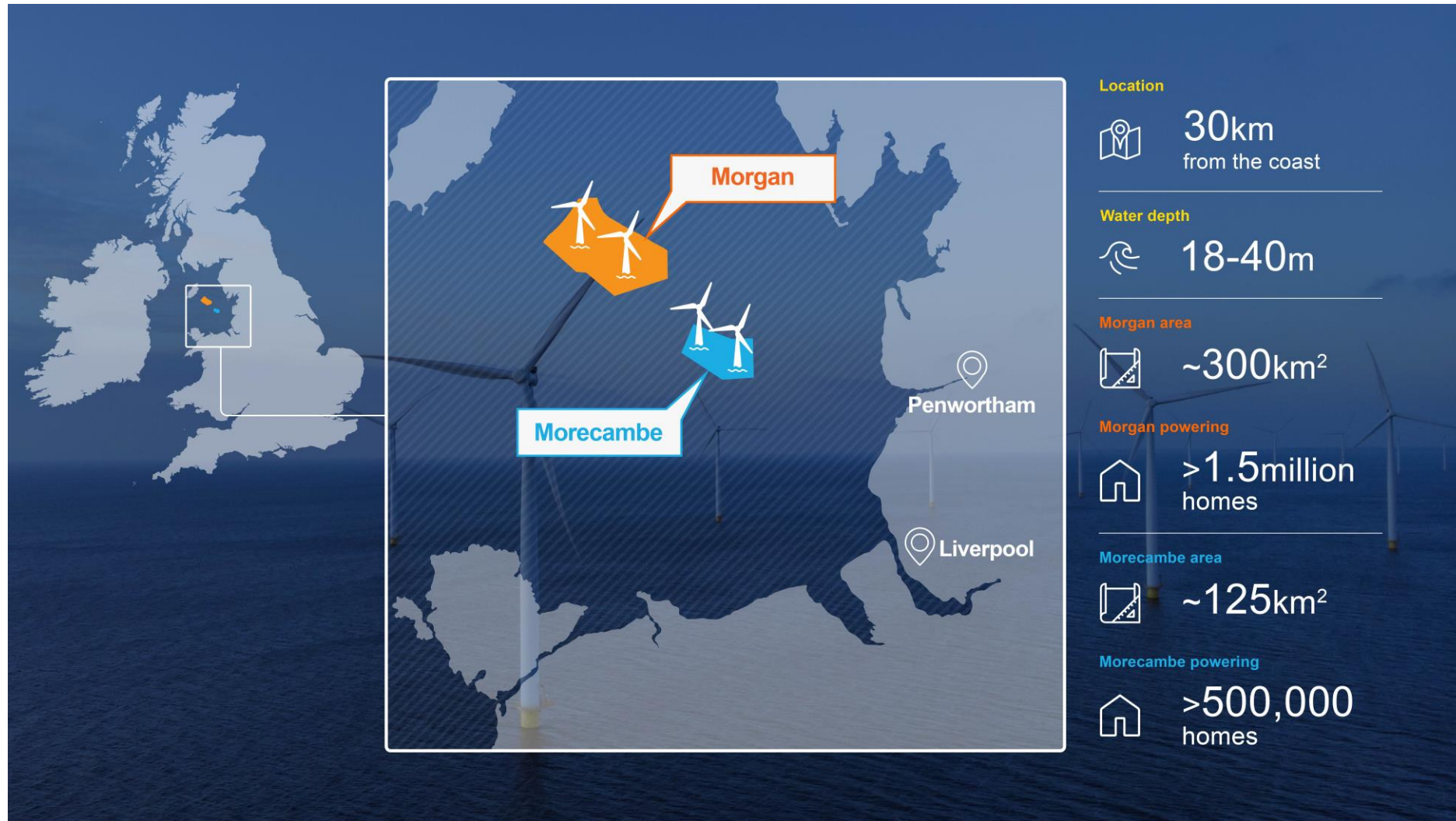


Today's webinar

- Welcome – project overview
- Morecambe Offshore Windfarm Ltd
- Morgan Offshore Wind Ltd
- Offshore wind in the British Isles
- Onshore infrastructure – substations
- Onshore infrastructure – cable routes
- Offshore infrastructure
- The consenting process
- Environmental Impact Assessments
- Fishing, shipping and ferries
- Supporting the local, regional and national economy
- Our consultation – how to take part
- What's next



Morecambe and Morgan



Morecambe Offshore Windfarm Ltd

About Cobra

- **Cobra Instalaciones y Servicios, S.A. (Cobra)** is a worldwide leader with more than 75 years of experience in the development, construction and management of industrial infrastructure and energy projects.
- Cobra has an **international presence** in Europe, Asia, Africa and the Americas.
- In recent years the company has focused on renewable energy projects, including **onshore & offshore wind**
- Focused on quality and excellence stemming from its **greatest asset**; it's employees.

About Flotation

- **Flotation Energy** has been a significant contributor to building a strong offshore wind industry in the UK and beyond.
- Has a growing project pipeline of offshore wind projects with **more than 12GW** in the UK, Ireland, Taiwan, Japan and Australia; and plans to expand into many more key markets.
- The expertise of the Flotation Energy team lies in the project and engineering management of **large infrastructure projects**.
- Flotation Energy have developed their own projects but also recognise the **benefits of collaboration** and working in partnership with other developers to deliver proven, cost-effective solutions.

Morgan Offshore Wind Ltd

About EnBW

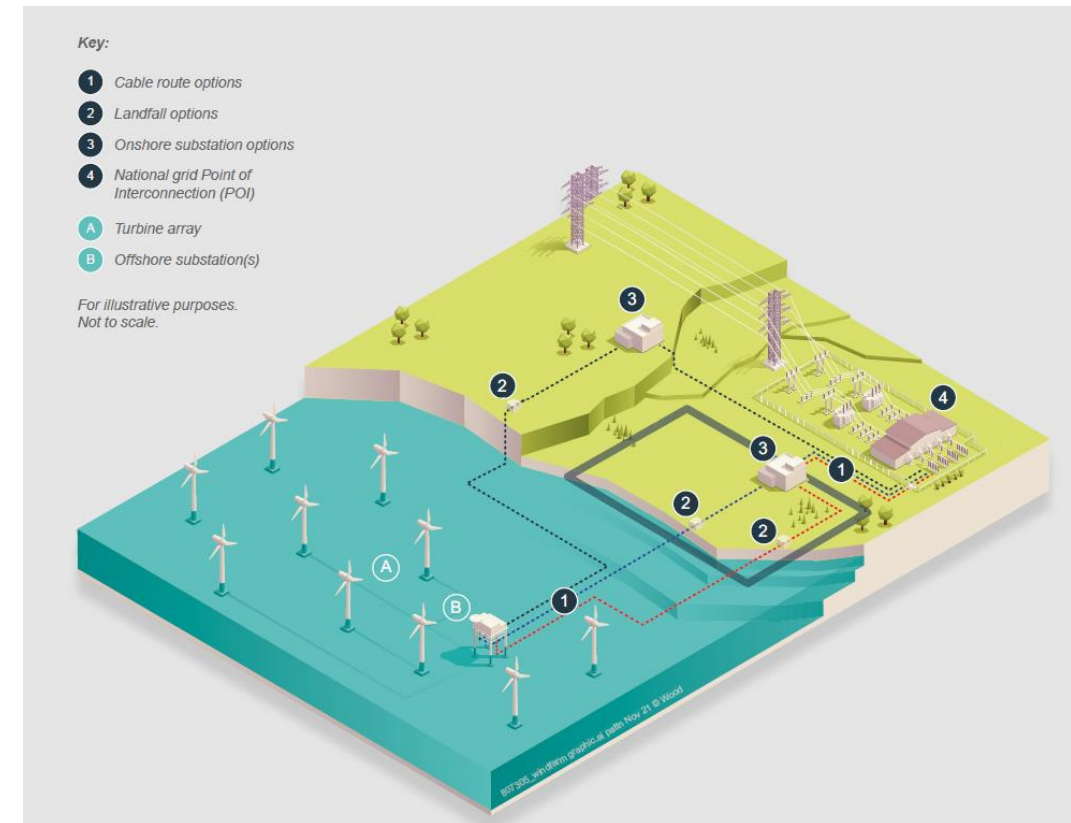
- EnBW Energie Baden-Württemberg AG (EnBW) is one of the **largest energy supply companies** in Germany.
- **Half of the EnBW generation portfolio** will be comprised of **renewable energies by 2025**.
- EnBW has successfully invested nearly **€5 billion** in its **renewable energy segment**.
- EnBW was among the pioneers in offshore wind power with its Baltic 1 offshore wind farm in the Baltic Sea.

About bp

- bp's purpose is to **reimagine energy** for people and our planet.
- bp has set out an ambition to **be a net zero company** by 2050, or sooner, and help the world get to net zero.
- This strategy will see bp transform from an international oil to an **integrated energy company** providing solutions to customers.
- bp has a **significant onshore wind business** in the US operating nine wind assets across the country as well as a 5.2GW net offshore pipeline.

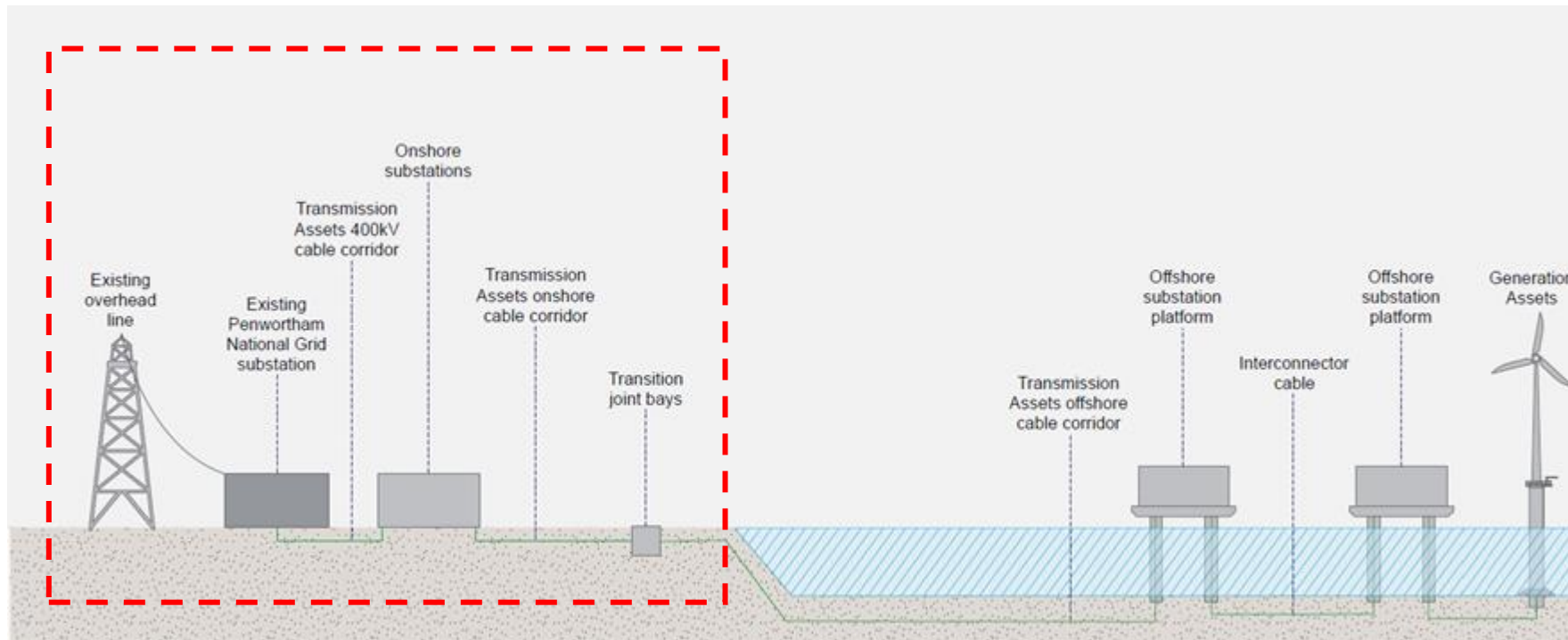
Offshore wind and the British Isles

- The UK has a target of the of generating **50GW of power** from offshore wind by 2030.
- The UK already generates around **13GW of power from offshore wind**, more than any other country in the world.
- Electricity generated from the offshore wind farms will feed into the **national electrical transmission network**.
- This is essentially a large ‘pot’ of energy that is then **distributed to our homes and businesses across the UK**, including to the Isle of Man via the Isle of Man Interconnector Cable.



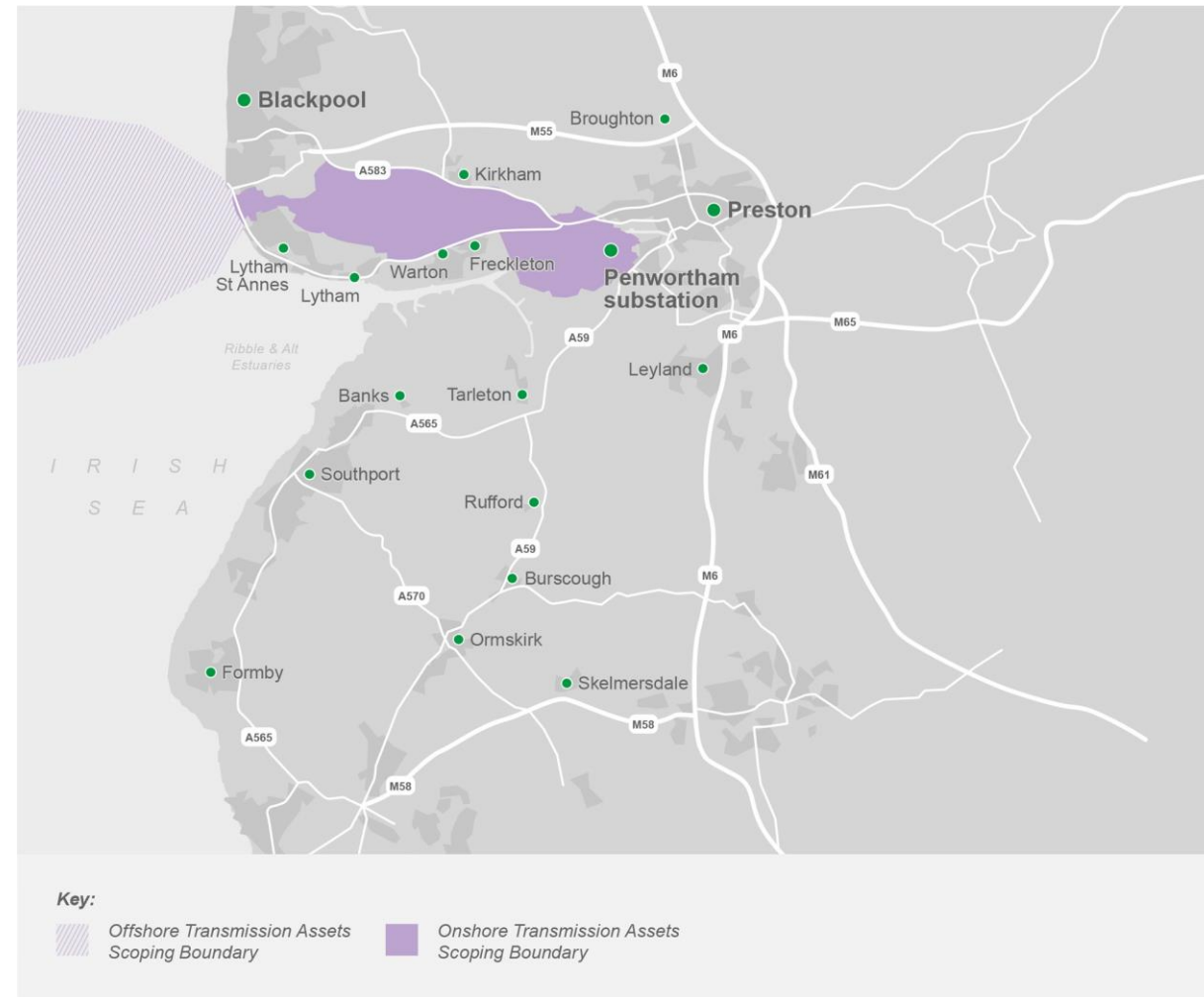
Onshore infrastructure – substations

- The Morecambe and Morgan offshore wind farms are expected to connect to the electricity transmission network via an existing National Grid substation at **Penwortham in Lancashire**.
- To connect to the electricity transmission network, we will need to **construct new substations**.
- To identify sites for these substations we will conduct a **thorough site selection process**, taking into account factors such as proximity to homes, environmental constraints and technical constraints.



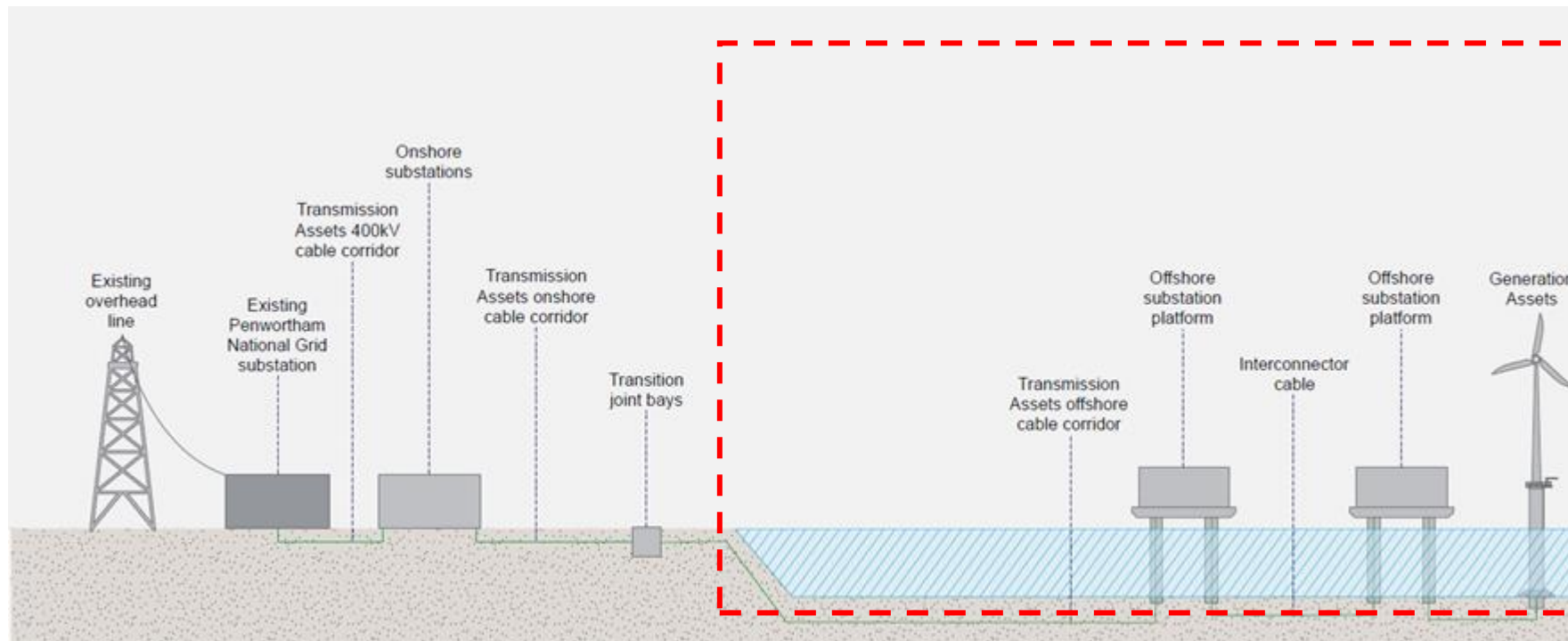
Onshore infrastructure – cable routes

- Export cables **transport electricity** from the offshore wind farms to the national grid, and onshore export cables are usually **buried underground**.
- Route planning and site selection for the **onshore export cable corridor route** involves a range of engineering, commercial, environmental, land interest and community related principles and constraints.
- **We seek feedback** from landowners, local communities and bodies such as local planning authorities, the Environment Agency and Historic England, **to help us refine our proposals.**



Offshore infrastructure

- When people think of **offshore infrastructure** they think of turbines, but this also includes offshore substation platforms, offshore substations, offshore booster stations and offshore export cables.
- At this current stage it is **too early** in the process to **know the size and number** of turbines required, along with the size and location of offshore substations, or the location of interarray cables, but we are working to develop that information for our next stage of consultation.



Due to the nature of each wind farm, Morecambe and Morgan infrastructure won't necessarily look the same.

The consenting process

Development consent would be granted under the Planning Act 2008.

Three separate projects will all be the subject of their own applications for development consent:

- Morecambe Offshore Windfarm (generation assets)
- Morgan Offshore Wind Project (generation assets)
- Morgan and Morecambe Offshore Wind Farms: Transmission Assets (known as the transmission assets).

Applications for development consent are submitted to, and examined by, the Planning Inspectorate.

Decisions will be made by the relevant Secretary of State, in this case the Secretary of State for Business, Energy and Industrial Strategy.



Environmental Impact Assessments

A range of Environmental Impact Assessments (EIA) will be undertaken to **assess the potential impacts** of construction, operation, maintenance and decommissioning of the projects.

The projects will review and consider feedback before publishing a **Preliminary Environmental Information Report (PEIR)**, one for each of the three applications.

Each PEIR will contain mitigation and potential management that may have been identified.

At this point, we will hold a statutory consultation and seek **feedback** from statutory consultees, **local communities** and those with interests in the land.

EIA Scoping Reports submitted:

- ✓ Morgan Offshore Wind Project generation assets
- ✓ Morecambe Offshore Windfarm generation assets
- ✓ Morgan and Morecambe transmission assets



Marine
Management
Organisation



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**



The Planning
Inspectorate



**Environment
Agency**

Fishing, shipping and ferries

- We understand the vital **importance of the ferry and commercial vessel routes**, and we're committed to developing designs that minimise impacts on those vital links.
- We have agreed to undertake a joint **cumulative impact assessment**, with the other projects, to understand and assess regional issues in a collaborative manner.
- We've been working with a range of marine stakeholders - including the **ferry operators, the Maritime and Coastguard Agency** and fisheries stakeholders - for over a year.



Supporting the local, regional and national economy

Morecambe and Morgan will unlock significant economic benefits, both in terms of jobs created and supply chain opportunities for businesses across the UK.

For example, for Morgan this breaks down to*:

- **350** jobs during planning and design, worth around £8.75 million per year
- **1000** jobs during construction, worth around £37.4 million each year
- **295** jobs during operations, worth around £13.8 million each year.

Portals are open for Morecambe and Morgan:

www.morecambeoffshorewind.com/#supply
www.enbw-bp.com/suppliers

* Source: Oxford Economics, figures represent a pro rata share of projected economic impact of EnBW and bp's Morgan and Mona projects



Ports and harbours

We are engaging with ports and harbours around the Irish Sea that could support construction activities and then eventually operations and maintenance for the wind farms

Our consultation – how to take part

We're carrying out lots of our own technical and environmental assessments but people living near to the proposals have local knowledge we would really value.

These could include feedback on:

- Potential environmental or community constraints to onshore and offshore transmission assets
- Potential environmental or community constraints that could inform our substation site selection process
- Information that could help inform our proposals for developing the generation assets and plans for construction
- Community benefits
- How we can help support jobs.

**Consultation closes:
13 December 2022**



Using our project website:
morecambeandmorgan.com



Sending an email to:
info@morecambeandmorgan.com



Sending written feedback to our freepost address:
Freepost MORECAMBE AND MORGAN



Indicative timeline (as of publication 2022)

2022

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Ongoing technical and environmental survey work
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2023

- Statutory consultations on Morecambe and Morgan offshore wind farms

2024

- Applications submitted for Development Consent (DCOs)

2026

- Earliest anticipated commencement of construction

2028/29

- Expected start – Commercial Operations Dates (CODs)

Pop-up events

Alongside our public exhibitions, members of our team will also be out and about in the communities, to provide information on the projects and answer any questions you may have.

18 Nov	10am-1pm	Barrow-in-Furness Leisure Centre Greengate St, Barrow-in-Furness LA13 9DT
22 Nov	10am - 1pm	Fleetwood YMCA Leisure Centre, Fleetwood FY7 6HF
22 Nov	2:30pm - 4:30pm	Blackpool Tourist Information Centre, Promenade, Blackpool FY1 1AP
23 Nov	10am-1pm	Preston Fishergate Shopping Centre, Preston PR1 8HJ
24 Nov	10am-1pm	Southport Eco Centre Esplanade, Southport PR8 1RX
30 Nov	10am-1pm	Amlwch Town Hall Amlwch LL68 9EN

Consultation events

19 Nov	2.30pm-6.30pm	Morecambe War Memorial Hall Church St, Morecambe LA4 5PR
21 Nov	3pm-7pm	Lytham Assembly Rooms Dicconson Terrace, Lytham FY8 5JY
23 Nov	3pm-7pm	Hutton Village Hall Moor Ln, Hutton, Preston PR4 5SE
24 Nov	3pm-7pm	The Gild Hall Church Rd, Formby, Liverpool L37 3NG

Questions