Morecambe Offshore Windfarm: Generation Assets

Development Consent Order Documents

Volume 4

Consultation Report Appendices Part 2 (D)

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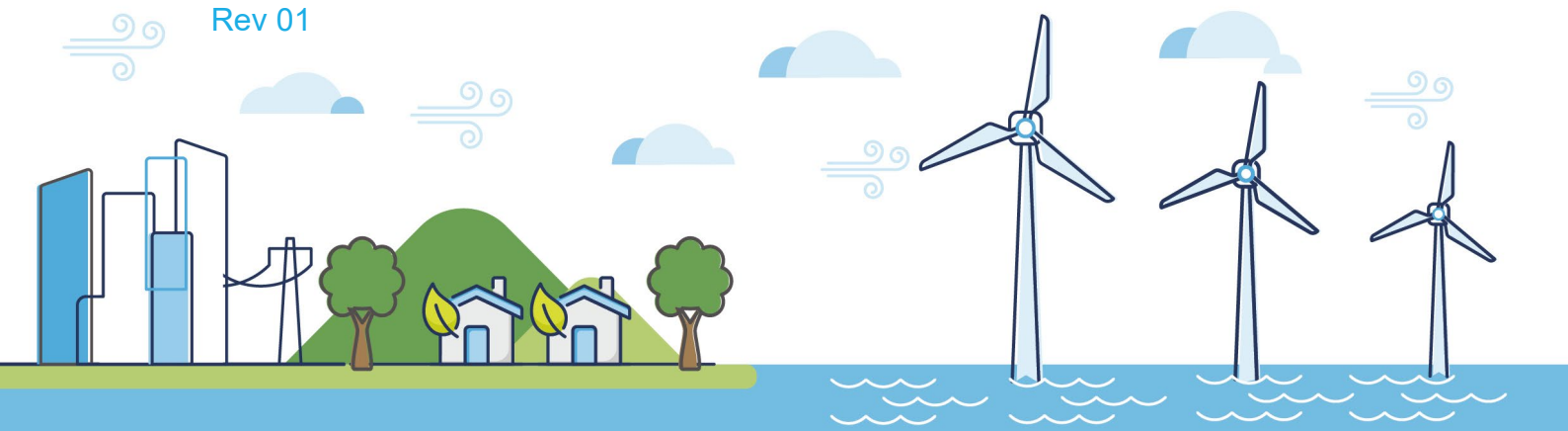

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Appendix D1
Section 42 Advance Notice of Statutory Consultation Launching (English)

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Morecambe Offshore Windfarm Generation Assets

Morecambe Offshore Windfarm Generation Assets: advance notification of Statutory Consultation under Section 42 of the Planning Act 2008

I am writing to provide you with an advance notification of a statutory consultation for the **Morecambe Offshore Windfarm Generation Assets (the Project).** Morecambe Offshore Windfarm Ltd (the "Applicant") is a joint venture between Cobra Instalaciones y Servicios, S.A. ("Cobra") and Flotation Energy Ltd.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project.

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation with 'prescribed persons' specified in the Planning Act 2008 on the proposed application.

The statutory consultation will be open from **19 April to 4 June 2023** (inclusive).

About the Project

The Project is a proposed offshore windfarm located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the wind farm site is approximately 30 kilometres (km) from the shore of the Lancashire coast. The wind farm will help the UK to achieve its

The Project is comprised of the following elements:

- Up to 40 wind turbine generators
- Up to two offshore substation platforms
- Platform link (interconnector) cables
- Inter-array cables

Wind turbines and offshore substation platforms will be located within the offshore windfarm site and fixed to the seabed with foundation structures.

The electricity generated by the wind turbine generators would be transported to the national grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

When to expect further information

We will write to you again to inform you that our consultation has launched, in accordance with Section 42 of the Planning Act and the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. We will also provide access to consultation documents, including:

- A copy of the Preliminary Environmental Information Report (PEIR)
- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
- A copy of the notice published under Section 48 of the Planning Act 2008

Information on how you can take part in the consultation will also be provided.

Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us by calling **0800 915 2493 (Option 2)** or emailing hello@morecambeoffshorewind.com.
We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

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Appendix D2
Section 42 Advance Notice of Statutory Consultation Launching (Welsh)

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Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

This is a bilingual email containing important information about a statutory consultation. Please scroll down for the English version.

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe: hysbysiad ymlaen llaw o Ymgynghoriad Statudol o dan Adran 42 o Ddeddf Cynllunio 2008

Rwy'n ysgrifennu atoch i roi gwybod i chi ymlaen llaw am ymgynghoriad statudol ar gyfer **Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe (y Prosiect).** Mae Morecambe Offshore Windfarm Limited (yr "Ymgeisydd") yn fenter ar y cyd rhwng Cobra Instalaciones y Servicios, S.A. ("Cobra") a Flotation Energy Ltd.

Mae Morecambe Offshore Windfarm Limited yn bwriadu gwneud cais i'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net am Orchymyn Cydsyniad Datblygu (DCO) o dan Adran 37 o Ddeddf Cynllunio 2008 ar gyfer adeiladu, cynnal a chadw a gweithredu'r Prosiect.

Cyn cyflwyno'r cais am Orchymyn Cydsyniad Datblygu, mae'n ofynnol i Morecambe Offshore Windfarm Limited o dan Adran 42 o Ddeddf Cynllunio 2008 a Rheoliadau Cynllunio Seilwaith (Asesiad o'r Effaith Amgylcheddol) 2017 gynnal ymgynghoriad statudol â 'phersonau rhagnodedig' a nodir yn Neddf Cynllunio 2008 ynghylch y cais arfaethedig.

Bydd yr ymgynghoriad statudol ar agor rhwng 19 Ebrill a 4 Mehefin 2023.

Gwybodaeth am y Prosiect

Y Prosiect yw fferm wynt alltraeth arfaethedig yn nwyrain Môr Iwerddon. Rhagwelir y bydd yn cynhyrchu capasiti enwol o 480 megawat (MW) ac yn

arfordir Swydd Gaerhirfryn. Bydd y fferm wynt yn helpu'r Deyrnas Unedig i gyflawni ei nod o gynhyrchu 50GW o bŵer o wynt alltraeth erbyn 2030.

Mae'r Prosiect yn cynnwys yr elfennau canlynol:

- Hyd at 40 generadur tyrbinau gwynt
- Hyd at ddau blatfform is-orsaf ar y môr
- Ceblau cysylltu platfformau
- Ceblau rhyng-aráe

Bydd y tyrbinau gwynt a'r platfformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen.

Byddai'r trydan a gynhyrchir gan y generaduron tyrbinau gwynt yn cael ei gludo i'r grid cenedlaethol drwy'r prosiect Ffermydd Gwynt Morgan a Morecambe: Asedau Trosglwyddo (ynghyd â seilwaith trosglwyddo ar gyfer Asedau Cynhyrchu Prosiect Gwynt Alltraeth Morgan). Mae Ffermydd Gwynt ar y Môr Morgan a Morecambe: Asedau Trosglwyddo ac Asedau Cynhyrchu Prosiectau Gwynt Alltraeth Morgan yn ddau brosiect ar wahân i Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe, pob un yn gofyn am eu cais am Orchymyn Cydsyniad Datblygu eu hunain.

Pryd i ddisgwyl rhagor o wybodaeth

Byddwn ni'n ysgrifennu atoch eto i roi gwybod i chi bod ein hymgynghoriad wedi lansio, yn unol ag Adran 42 y Ddeddf Cynllunio a Rheoliadau Cynllunio Seilwaith (Ceisiadau: Ffurflenni a Gweithdrefn Ragnodedig) 2009. Byddwn ni hefyd yn darparu mynediad at ddogfennau ymgynghori, gan gynnwys:

- Copi o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol (PEIR)
- Copi o Grynodeb Annhechnegol y PEIR
- Copi o'r llyfryn ymgynghori
- Copi o'r hysbysiad a gyhoeddwyd o dan Adran 48 o Ddeddf Cynllunio 2008

Bydd gwybodaeth am sut gallwch chi gymryd rhan yn yr ymgynghoriad yn cael ei darparu hefyd.
Os oes gennych chi unrhyw gwestiynau am yr ohebiaeth hon, am y Prosiect, neu am yr ymgynghoriad, mae croeso i chi gysylltu â ni gan ddefnyddio'r manylion uchod. Byddem ni hefyd yn fodlon darparu ar gyfer sesiwn briffio fwy manwl gyda thîm y Prosiect, os hoffech chi gael un.

Morecambe Offshore Windfarm Generation Assets: advance notification of Statutory Consultation under Section 42 of the Planning Act 2008

I am writing to provide you with an advance notification of a statutory consultation for the **Morecambe Offshore Windfarm Generation Assets (the Project).** Morecambe Offshore Windfarm Ltd (the "Applicant") is a joint venture between Cobra Instalaciones y Servicios, S.A. ("Cobra") and Flotation Energy Ltd.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project.

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation with 'prescribed persons' specified in the Planning Act 2008 on the proposed application.

The statutory consultation will be open from **19 April to 4 June 2023** (inclusive).

About the Project

The Project is a proposed offshore windfarm located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the wind farm site is approximately 30 kilometres (km) from the shore of the Lancashire coast. The wind farm will help the UK to achieve its target of generating 50 gigawatts (GW) of power from offshore wind by 2030.

The Project is comprised of the following elements:

- Up to 40 wind turbine generators
- Up to two offshore substation platforms
- Platform link (interconnector) cables
- Inter-array cables

Wind turbines and offshore substation platforms will be located within the offshore windfarm site and fixed to the seabed with foundation structures.

to the national grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

When to expect further information

We will write to you again to inform you that our consultation has launched, in accordance with Section 42 of the Planning Act and the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. We will also provide access to consultation documents, including:

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- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
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Information on how you can take part in the consultation will also be provided.

Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us by calling **0800 915 2493 (Option 2)** or emailing **hello@morecambeoffshorewind.com**.
We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

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Appendix D3
Seldom Heard Groups Advance Launch Statutory Consultation Notification (English)

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Morecambe Offshore Windfarm Generation Assets

Morecambe Offshore Windfarm Generation Assets: consultation to run from 19 April to 4 June 2023

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We want everyone to take part in the consultation. That's why we're holding in-person and online consultation events. These events are a great way to learn more about our proposals, meet the project team and ask any questions. Please visit www.morecambeandmorgan.com/morecambe from 19 April 2023 for more details.

To ensure the consultation documents are as accessible as possible, there are many ways in which we can help those requiring additional support, and we would really value your feedback.

We're keen to hear any recommendations you may have and the best methods we could use to present our proposals. We would also welcome your suggestions for any other groups or organisations that you think we should contact about the consultation.

Please feel free to get in touch by
emailing **hello@morecambeoffshorewind.com** or call **0800 860 6261**.

When to expect further information
We will write to you again to inform you that our consultation has launched, in accordance with Section 42 of the Planning Act and the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. We will also provide access to consultation documents, including:

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- A copy of the notice published under Section 48 of the Planning Act 2008

Information on how you can take part in the consultation will also be provided. Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us using the details provided within this email. We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

Kind regards
Morecambe Offshore Windfarm Generation Assets

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Appendix D4
Seldom Heard Groups Advance Launch Statutory Consultation Notification (Welsh)

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Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

This is a bilingual email containing important information about a statutory consultation. Please scroll down for the English version.

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe: bydd yr ymgynghoriad yn cael ei gynnal rhwng 19 Ebrill a 4 Mehefin 2023

Rwy'n ysgrifennu atoch i roi gwybod i chi ymlaen llaw am ymgynghoriad statudol ar gyfer **Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe (y Prosiect).** Mae Morecambe Offshore Windfarm Limited (yr "Ymgeisydd") yn fenter ar y cyd rhwng Cobra Instalaciones y Servicios, S.A. ("Cobra") a Flotation Energy Ltd.

Mae Morecambe Offshore Windfarm Limited yn bwriadu gwneud cais i'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net am Orchymyn Cydsyniad Datblygu (DCO) o dan Adran 37 o Ddeddf Cynllunio 2008 ar gyfer adeiladu, cynnal a chadw a gweithredu'r Prosiect.

Cyn cyflwyno'r cais am Orchymyn Cydsyniad Datblygu, mae'n ofynnol i Morecambe Offshore Windfarm Limited o dan Adran 42 o Ddeddf Cynllunio 2008 a Rheoliadau Cynllunio Seilwaith (Asesiad o'r Effaith Amgylcheddol) 2017 gynnal ymgynghoriad statudol â 'phersonau rhagnodedig' a nodir yn Neddf Cynllunio 2008 ynghylch y cais arfaethedig.

Bydd yr ymgynghoriad statudol ar agor rhwng 19 Ebrill a 4 Mehefin 2023.

Gwybodaeth am y Prosiect

Y Prosiect yw fferm wynt alltraeth arfaethedig yn nwyrain Môr Iwerddon. Rhagwelir y bydd yn cynhyrchu capasiti enwol o 480 megawat (MW) ac yn

arfordir Swydd Gaerhirfryn. Bydd y fferm wynt yn helpu'r Deyrnas Unedig i gyflawni ei nod o gynhyrchu 50GW o bŵer o wynt alltraeth erbyn 2030.

Mae'r Prosiect yn cynnwys yr elfennau canlynol:

- Hyd at 40 generadur tyrbinau gwynt
- Hyd at ddau blatfform is-orsaf ar y môr
- Ceblau cysylltu platfformau
- Ceblau rhyng-aráe

Bydd y tyrbinau gwynt a'r platfformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen.

Byddai'r trydan a gynhyrchir gan y generaduron tyrbinau gwynt yn cael ei gludo i'r grid cenedlaethol drwy'r prosiect Ffermydd Gwynt Morgan a Morecambe: Asedau Trosglwyddo (ynghyd â seilwaith trosglwyddo ar gyfer Asedau Cynhyrchu Prosiect Gwynt Alltraeth Morgan). Mae Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo ac Asedau Cynhyrchu Prosiectau Gwynt Alltraeth Morgan yn ddau brosiect ar wahân i Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe, ac mae angen i'r ddau wneud cais am eu Gorchmynion Cydsyniad Datblygu eu hunain.

Rydyn ni eisiau i bawb gymryd rhan yn yr ymgynghoriad. Dyna pam rydyn ni'n cynnal digwyddiadau ymgynghori wyneb yn wyneb ac ar-lein. Mae'r digwyddiadau hyn yn ffordd wych o ddysgu am ein cynigion, cwrdd â thîm y prosiect a gofyn unrhyw gwestiynau. Ewch i www.morecambeandmorgan.com/morecambe o 19 Ebrill 2023 ymlaen i gael rhagor o fanylion.

Er mwyn sicrhau bod y dogfennau ymgynghori mor hygyrch â phosibl, mae sawl ffordd o helpu'r rheini sydd angen cymorth ychwanegol, a byddem yn gwerthfawrogi eich adborth yn fawr.

Rydyn ni'n awyddus i glywed unrhyw argymhellion sydd gennych a'r dulliau gorau i'w defnyddio i gyflwyno ein cynigion. Byddem ni hefyd yn croesawu eich awgrymiadau ar gyfer unrhyw grwpiau neu sefydliadau eraill y dylen ni, yn eich barn chi, gysylltu â nhw ynghylch yr ymgynghoriad.

Mae croeso i chi gysylltu â ni drwy anfon neges e-bost i **hello@morecambeoffshorewind.com** neu ffonio **0800 860 6261**.

wedi cael ei lansio, yn unol ag Adran 42 y Ddeddf Cynllunio a Rheoliadau Cynllunio Seilwaith (Ceisiadau: Ffurflenni a Gweithdrefn Ragnodedig) 2009. Byddwn ni hefyd yn darparu mynediad at ddogfennau ymgynghori, gan gynnwys:

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Bydd gwybodaeth am sut gallwch chi gymryd rhan yn yr ymgynghoriad yn cael ei darparu hefyd.
Os oes gennych chi unrhyw gwestiynau am yr ohebiaeth hon, am y Prosiect neu am yr ymgynghoriad, mae croeso i chi gysylltu â ni gan ddefnyddio’r manylion yn yr e-bost hwn. Byddem ni hefyd yn fodlon darparu ar gyfer sesiwn briffio fwy manwl gyda thîm y Prosiect, os hoffech chi gael un.

Cofion gorau
Cynhyrchu Fferm Wynt Alltraeth Morecambe

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Kind regards
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Appendix D5
Section 47 Advance Notice of Statutory Consultation Launching (English)

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Morecambe Offshore Windfarm Generation Assets

Morecambe Offshore Windfarm Generation Assets: consultation to run from 19 April to 4 June 2023

I am writing to provide you with an advance notification of a statutory consultation for the **Morecambe Offshore Windfarm Generation Assets (the Project).** Morecambe Offshore Windfarm Ltd (the "Applicant") is a joint venture between Cobra Instalaciones y Servicios, S.A. ("Cobra") and Flotation Energy Ltd.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project.

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation with 'prescribed persons' specified in the Planning Act 2008 on the proposed application.

The statutory consultation will be open from 19 April to 4 June 2023.

About the Project
The Project is a proposed offshore wind farm, located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the wind farm site is approximately 30km from the shore of the Lancashire coast. The wind farm will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030.

The Project is comprised of the following elements:

- Up to 40 wind turbine generators
- Up to two offshore substation platforms
- Platform link (interconnector) cables
- Inter-array cables

Wind turbines and offshore substation platforms will be located within the offshore wind farm site and fixed to the seabed with foundation structures.

The electricity generated by the wind turbine generators would be transported to the national grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

We want everyone to take part in the consultation. That's why we're holding in-person and online consultation events. These events are a great way to learn more about our proposals, meet the project team and ask any questions. Please visit www.morecambeandmorgan.com/morecambe from 19 April 2023 for more details.

To ensure the consultation documents are as accessible as possible, there are many ways in which we can help those requiring additional support, and we would really value your feedback.

We're keen to hear any recommendations you may have and the best methods we could use to present our proposals. We would also welcome your suggestions for any other groups or organisations that you think we should contact about the consultation.

Please feel free to get in touch by
emailing **hello@morecambeoffshorewind.com** or call **0800 860 6261**.

When to expect further information
We will write to you again to inform you that our consultation has launched, in accordance with Section 42 of the Planning Act and the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. We will also provide access to consultation documents, including:

- A copy of the Preliminary Environmental Information Report (PEIR)
- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
- A copy of the notice published under Section 48 of the Planning Act 2008

Information on how you can take part in the consultation will also be provided. Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us using the details provided within this email. We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

Kind regards
Morecambe Offshore Windfarm Generation Assets

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Appendix D6
Section 47 Advance Notice of Statutory Consultation Launching (Welsh)

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Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

This is a bilingual email containing important information about a statutory consultation. Please scroll down for the English version.

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe: bydd yr ymgynghoriad yn cael ei gynnal rhwng 19 Ebrill a 4 Mehefin 2023

Rwy'n ysgrifennu atoch i roi gwybod i chi ymlaen llaw am ymgynghoriad statudol ar gyfer **Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe (y Prosiect).** Mae Morecambe Offshore Windfarm Limited (yr "Ymgeisydd") yn fenter ar y cyd rhwng Cobra Instalaciones y Servicios, S.A. ("Cobra") a Flotation Energy Ltd.

Mae Morecambe Offshore Windfarm Limited yn bwriadu gwneud cais i'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net am Orchymyn Cydsyniad Datblygu (DCO) o dan Adran 37 o Ddeddf Cynllunio 2008 ar gyfer adeiladu, cynnal a chadw a gweithredu'r Prosiect.

Cyn cyflwyno'r cais am Orchymyn Cydsyniad Datblygu, mae'n ofynnol i Morecambe Offshore Windfarm Limited o dan Adran 42 o Ddeddf Cynllunio 2008 a Rheoliadau Cynllunio Seilwaith (Asesiad o'r Effaith Amgylcheddol) 2017 gynnal ymgynghoriad statudol â 'phersonau rhagnodedig' a nodir yn Neddf Cynllunio 2008 ynghylch y cais arfaethedig.

Bydd yr ymgynghoriad statudol ar agor rhwng 19 Ebrill a 4 Mehefin 2023.

Gwybodaeth am y Prosiect

Y Prosiect yw fferm wynt alltraeth arfaethedig yn nwyrain Môr Iwerddon. Rhagweiir y bydd yn cynhyrchu capasiti enwol o 480 megawat (MW) ac yn cynhyrchu pŵer adnewyddadwy ar gyfer dros 500,000 o gartrefi yn y Deyrnas Unedig (DU). Yn ei man agosaf, mae safle'r fferm wynt tua 30km oddi ar arfordir Swydd Gaerhirfryn. Bydd y fferm wynt yn helpu'r Deyrnas Unedig i gyflawni ei nod o gynhyrchu 50GW o bŵer o wynt alltraeth erbyn 2030.

Mae'r Prosiect yn cynnwys yr elfennau canlynol:

- Hyd at 40 generadur tyrbinau gwynt
- Hyd at ddau blatfform is-orsaf ar y môr
- Ceblau cysylltu plattformau
- Ceblau rhyng-aráe

Bydd y tyrbinau gwynt a'r plattformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen.

Byddai'r trydan a gynhyrchir gan y generaduron tyrbinau gwynt yn cael ei gludo i'r grid cenedlaethol drwy'r prosiect Ffermydd Gwynt Morgan a Morecambe: Asedau Trosglwyddo (ynghyd â seilwaith trosglwyddo ar gyfer Asedau Cynhyrchu Prosiect Gwynt Alltraeth Morgan). Mae Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo ac Asedau Cynhyrchu Prosiectau Gwynt Alltraeth Morgan yn ddau brosiect ar wahân i Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe, ac mae angen i'r ddau wneud cais am eu Gorchmynion Cydsyniad Datblygu eu hunain.

Rydyn ni eisiau i bawb gymryd rhan yn yr ymgynghoriad. Dyna pam rydyn ni'n cynnal digwyddiadau ymgynghori wyneb yn wyneb ac ar-lein. Mae'r digwyddiadau hyn yn ffordd wych o ddysgu am ein cynigion, cwrdd â thîm y prosiect a gofyn unrhyw gwestiynau. Ewch i www.morecambeandmorgan.com/morecambe o 19 Ebrill 2023 ymlaen i gael rhagor o fanylion.

Er mwyn sicrhau bod y dogfennau ymgynghori mor hygyrch â phosibl, mae sawl ffordd o helpu'r rheini sydd angen cymorth ychwanegol, a byddem yn gwerthfawrogi eich adborth yn fawr.

Rydyn ni'n awyddus i glywed unrhyw argymhellion sydd gennych a'r dulliau gorau i'w defnyddio i gyflwyno ein cynigion. Byddem ni hefyd yn croesawu eich awgrymiadau ar gyfer unrhyw grwpiau neu sefydliadau eraill y dylen ni, yn eich barn chi, gysylltu â nhw ynghylch yr ymgynghoriad.

Mae croeso i chi gysylltu â ni drwy anfon neges e-bost i **hello@morecambeoffshorewind.com** neu ffonio **0800 860 6261**.

Pryd i ddisgwyl rhagor o wybodaeth
Byddwn ni'n ysgrifennu atoch eto i roi gwybod i chi bod ein hymgynghoriad wedi cael ei lansio, yn unol ag Adran 42 y Ddeddf Cynllunio a Rheoliadau Cynllunio Seilwaith (Ceisiadau: Ffurflenni a Gweithdrefn Ragnodedig) 2009. Byddwn ni hefyd yn darparu mynediad at ddogfennau ymgynghori, gan gynnwys:

- Copi o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol (PEIR)
- Copi o Grynodeb Annhechnegol y PEIR
- Copi o'r llyfryn ymgynghori
- Copi o'r hysbysiad a gyhoeddwyd o dan Adran 48 o Ddeddf Cynllunio 2008

Bydd gwybodaeth am sut gallwch chi gymryd rhan yn yr ymgynghoriad yn cael ei darparu hefyd.
Os oes gennych chi unrhyw gwestiynau am yr ohebiaeth hon, am y Prosiect neu am yr ymgynghoriad, mae croeso i chi gysylltu â ni gan ddefnyddio'r manylion yn yr e-bost hwn. Byddem ni hefyd yn fodlon darparu ar gyfer sesiwn briffio fwy manwl gyda thîm y Prosiect, os hoffech chi gael un.

Cofion gorau
Cynhyrchu Fferm Wynt Alltraeth Morecambe

Morecambe Offshore Windfarm Generation Assets: consultation to run from 19 April to 4 June 2023

I am writing to provide you with an advance notification of a statutory consultation for the **Morecambe Offshore Windfarm Generation Assets (the Project).** Morecambe Offshore Windfarm Ltd (the "Applicant") is a joint venture between Cobra Instalaciones y Servicios, S.A. ("Cobra") and Flotation Energy Ltd.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project.

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation with 'prescribed persons' specified in the Planning Act 2008 on the proposed application.

The statutory consultation will be open from 19 April to 4 June 2023.

About the Project
The Project is a proposed offshore wind farm, located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the wind farm site is approximately 30km from the shore of the Lancashire coast. The wind farm will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030.

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Wind turbines and offshore substation platforms will be located within the offshore wind farm site and fixed to the seabed with foundation structures.

The electricity generated by the wind turbine generators would be transported to the national grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

We want everyone to take part in the consultation. That's why we're holding in-person and online consultation events. These events are a great way to learn more about our proposals, meet the project team and ask any questions. Please visit www.morecambeandmorgan.com/morecambe from 19 April 2023 for more details.

To ensure the consultation documents are as accessible as possible, there are many ways in which we can help those requiring additional support, and we would really value your feedback.

We're keen to hear any recommendations you may have and the best methods we could use to present our proposals. We would also welcome your suggestions for any other groups or organisations that you think we should contact about the consultation.

Please feel free to get in touch by emailing **hello@morecambeoffshorewind.com** or call **0800 860 6261**.

When to expect further information
We will write to you again to inform you that our consultation has launched, in accordance with Section 42 of the Planning Act and the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. We will also provide access to consultation documents, including:

- A copy of the Preliminary Environmental Information Report (PEIR)
- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
- A copy of the notice published under Section 48 of the Planning Act 2008

Information on how you can take part in the consultation will also be provided. Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us using the details provided within this email. We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

Kind regards
Morecambe Offshore Windfarm Generation Assets

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Appendix D7
Section 42 Statutory Consultation Launch Notification (English)

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Morecambe Offshore Windfarm Generation Assets

Morecambe Offshore Windfarm Generation Assets:
Statutory Consultation under Section 42 of the Planning Act 2008

Flotation Energy Ltd (Flotation Energy) and Cobra Instalaciones y Servicios (Cobra) (the Applicant)

Statutory Consultation under Section 42 of the Planning Act 2008 ("the Act") (as amended) and the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Notification under Regulation 13 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 ("EIA Regulations")

I am writing to consult with you on the proposed application for Morecambe Offshore Windfarm Generation Assets (the Project), as you have been identified as a statutory consultee for the Project.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project. **Morecambe Offshore Windfarm Limited plan to make the application for development consent in 2024.**

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation on the proposed application, including the preliminary environmental information.

About the Project
The Project is a proposed offshore windfarm, located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30km from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030. The Project is comprised of the following elements:

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- Inter-array cables

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The electricity generated by the wind turbine generators would be transported to the National Grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

Consultation documents
Access to the following documents for your consultation is available on the project website at **www.morecambeandmorgan.com/morecambe**:

- A copy of the Preliminary Environmental Information Report (PEIR)
- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
- A copy of the feedback form
- A copy of the Statement of Community Consultation (SoCC)
- A copy of the notice published under Section 48 of the Planning Act 2008
- A copy of the consultation poster

These documents can also be viewed at various reference locations across the Project area. Details of these reference locations can be found on the Project website.

Taking part in this consultation
The consultation is open from **19 April to 4 June 2023**. There are several ways to submit feedback:

- **A feedback form** is available on the Project website. Paper copies can be obtained, at a charge, by request from the community relations team, via the contact details below.
- **An interactive map** is available on the project website: www.morecambeandmorgan.com/morecambe
- **By email** to hello@morecambeoffshorewind.com
- **In writing to** FREEPOST MORECAMBE GENERATION (please be advised it is not possible to send registered post to a freepost address)

The consultation will end at 23:59 on 4 June 2023.
Please ensure that all comments are submitted via the Project website or submitted by email or by post before the consultation end date.

What happens after the consultation closes?
After this consultation has closed, we will look carefully at all the feedback we've received, alongside further technical assessments, and finalise our proposals.

A Consultation Report will be produced that sets out how feedback from all our consultations has shaped the design of the proposed development. The Consultation report will include a summary of consultation responses, including how this feedback was considered and how it may be used. It will detail the consultation process, demonstrating how it was undertaken in accordance with the Statement of Community Consultation (SoCC), and how it met all legal requirements.

Safely managing your data
Responses to this consultation will form part of the DCO Consultation Report, which will be reviewed by the Planning Inspectorate and Secretary of State (BEIS) when deciding whether the application should be granted consent.

Therefore, when providing feedback, please be mindful that its contents may be communicated to others as part of the DCO Consultation Report and DCO process.

Personal details will be held securely and solely for the purposes connected with this consultation, the DCO process and further development of the project. Outside of this, we may be required to provide personal details if specifically requested as part of a Freedom of Information Act request, or if the Planning Inspectorate requests original responses.

The Project's privacy notice can be found at **www.morecambeandmorgan.com/morecambe**.

Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us using the details provided above. We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

Kind regards
[redacted]
Stakeholder Lead, Flotation Energy

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Appendix D8
Section 42 Statutory Consultation Launch Notification (Welsh)

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Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

This is a bilingual email containing important information about a statutory consultation. Please scroll down for the English version.

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Ymgynghoriad Statudol o dan Adran 42 o Ddeddf Cynllunio 2008

Flotation Energy Ltd (Flotation Energy) a Cobra Instalaciones y Servicios (Cobra) – yr ymgeisydd: Morecambe Offshore Windfarm Limited

Ymgynghoriad Statudol o dan Adran 42 o Ddeddf Cynllunio 2008 ("y Ddeddf") (fel y'i diwygiwyd) a Rheoliadau Cynllunio Seilwaith (Ceisiadau: Ffurflenni a Gweithdrefn Ragnodedig) 2009

Hysbysiad o dan Reoliad 11 o Reoliadau Cynllunio Seilwaith (Asesu Effaith Amgylcheddol) 2009 ("Rheoliadau AEA")

Rwy'n ysgrifennu atoch i ymgynghori â chi ynghylch y cais arfaethedig ar gyfer Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe (y Prosiect). Cysylltais â chi o'r blaen i roi gwybod i chi eich bod wedi cael eich enwi fel ymgynghorai ar gyfer y Prosiect.

Mae Morecambe Offshore Windfarm Limited yn bwriadu gwneud cais i'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net am Orchymyn Cydsyniad Datblygu (DCO) o dan Adran 37 o Ddeddf Cynllunio 2008 ar gyfer adeiladu, cynnal a chadw a gweithredu'r Prosiect. **Mae Morecambe Offshore Windfarm Limited yn bwriadu gwneud cais am gydsyniad datblygu yn 2024.**

Cyn cyflwyno'r cais am Orchymyn Cydsyniad Datblygu, mae'n ofynnol i Morecambe Offshore Windfarm Limited o dan Adran 42 o Ddeddf Cynllunio 2008 a Rheoliadau Cynllunio Seilwaith (Asesiad o'r Effaith Amgylcheddol) 2017 gynnal ymgynghoriad statudol ynghylch y cais arfaethedig, gan gynnwys yr wybodaeth amgylcheddol ragarweiniol.

Gwybodaeth am y Prosiect
Mae'r Prosiect yn cynnwys fferm wynt alltraeth arfaethedig yn nwyrain Môr Iwerddon. Rhagwelir y bydd yn cynhyrchu capasiti enwol o 480 megawat (MW) ac yn cynhyrchu pŵer adnewyddadwy ar gyfer dros 500,000 o gartrefi yn y Deyrnas Unedig (DU). Yn ei man agosaf, mae safle'r fferm wynt tua 30km oddi ar arfordir Swydd Gaerhirfryn. Bydd y fferm wynt yn helpu'r Deyrnas Unedig i gyflawni ei nod o gynhyrchu 50GW o bŵer o wynt alltraeth erbyn 2030. Mae'r Prosiect yn cynnwys yr elfennau canlynol:

- Hyd at 40 generadur tyrbinau gwynt
- Hyd at ddau blatfform is-orsaf ar y môr
- Ceblau rhyng-gysylltu platfformau
- Ceblau rhyng-aráe

Bydd y tyrbinau gwynt a'r platfformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen.

Byddai'r trydan a gynhyrchir gan y generaduron tyrbinau gwynt yn cael ei gludo i'r Grid Cenedlaethol drwy'r prosiect Ffermydd Gwynt Morgan a Morecambe: Asedau Trosglwyddo (ynghyd â seilwaith trosglwyddo ar gyfer Asedau Cynhyrchu Prosiect Gwynt Alltraeth Morgan). Mae Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo ac Asedau Cynhyrchu Prosiectau Gwynt Alltraeth Morgan yn ddau brosiect ar wahân i Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe, pob un yn gofyn am eu cais am Orchymyn Cydsyniad Datblygu eu hunain.

Dogfennau ymgynghori
Mae mynediad at y dogfennau canlynol ar gyfer eich sylw ar gael ar wefan y prosiect yn www.morecambeandmorgan.com/morecambe:

- Copi o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol (PEIR)
- Copi o Grynodeb Annhechnegol y PEIR
- Copi o'r llyfryn ymgynghori
- Copi o'r ffurflen adborth
- Copi o'r Datganiad Ymgynghori Cymunedol (SoCC)
- Copi o'r hysbysiad a gyhoeddwyd o dan Adran 48 o Ddeddf Cynllunio 2008
- Copi o boster yr ymgynghoriad

Gellir gweld y dogfennau hyn hefyd mewn lleoliadau cyfeirio amrywiol ar draws ardal y Prosiect. Ceir manylion y lleoliadau cyfeirio hyn ar wefan y Prosiect.

Cymryd rhan yn yr ymgynghoriad hwn
Mae'r ymgynghoriad ar agor rhwng **19 Ebrill a 4 Mehefin 2023** Mae sawl ffordd o gyflwyno adborth:

- Mae **ffurflen adborth** ar gael ar wefan y Prosiect. Gellir cael copïau papur, am ddim, ar gais gan y tîm cysylltiadau cymunedol, drwy'r manylion cyswllt isod.
- Mae **map rhyngweithiol** ar gael ar wefan y prosiect: www.morecambeandmorgan.com/morecambe
- **Drwy e-bost** i hello@morecambeoffshorewind.com
- **Yn ysgrifenedig i** FREEPOST MORECAMBE GENERATION (cofiwch nad oes modd anfon post cofrestredig i gyfeiriad rhadbost)

Daw'r ymgynghoriad i ben am 23.59 ar 4 Mehefin 2023.
Gwnewch yn siŵr fod yr holl sylwadau'n cael eu cyflwyno drwy wefan y Prosiect neu'n cael eu cyflwyno drwy e-bost neu drwy'r post cyn dyddiad cau'r ymgynghoriad.

Beth fydd yn digwydd ar ôl i'r ymgynghoriad ddod i ben?
Ar ôl i'r ymgynghoriad ddod i ben, byddwn ni'n edrych yn ofalus ar yr holl adborth a ddaw i law, ynghyd â rhagor o asesiadau technegol, a byddwn ni'n cwblhau ein cynigion.

Bydd Adroddiad Ymgynghori yn cael ei lunio, sy'n nodi sut mae adborth o'n holl ymgynghoriadau wedi siapio dyluniad y datblygiad arfaethedig. Bydd yr Adroddiad Ymgynghori yn cynnwys crynodeb o'r ymatebion i'r ymgynghoriad, gan gynnwys sut cafodd yr adborth hwn ei ystyried a sut y gellid ei ddefnyddio. Bydd yn manylu ar y broses ymgynghori, gan ddangos sut cafodd ei chynnal yn unol â'r Datganiad o Ymgynghori Cymunedol, a sut roedd yn bodloni'r holl ofynion cyfreithiol

Rheoli eich data yn ddiogel
Bydd ymatebion i'r ymgynghoriad hwn yn rhan o Adroddiad Ymgynghori'r Gorchymyn Cydsyniad Datblygu, a fydd yn cael ei adolygu gan yr Arolygiaeth Gynllunio a'r Ysgrifennydd Gwladol (BEIS) wrth benderfynu a ddylid rhoi caniatâd i'r cais.

Felly, wrth roi adborth, cofiwch y gallai ei gynnwys gael ei gyfleu i eraill fel rhan o Adroddiad Ymgynghori'r Gorchymyn Cydsyniad Datblygu a phroses y Gorchymyn Cydsyniad Datblygu.

Bydd manylion personol yn cael eu cadw'n ddiogel a dim ond at y dibenion sy'n gysylltiedig â'r ymgynghoriad hwn, proses y Gorchymyn Cydsyniad Datblygu a datblygiad pellach y prosiect. Y tu hwnt i hyn, efallai y bydd yn rhaid i ni ddarparu manylion personol os gofynnir yn benodol am hynny fel rhan o gais Deddf Rhyddid Gwybodaeth, neu os bydd yr Arolygiaeth Gynllunio yn gofyn am ymatebion gwreiddiol.

Mae modd gweld hysbysiad preifatrwydd y Prosiect yn **www.morecambeandmorgan.com/morecambe**.

Os oes gennych chi unrhyw gwestiynau am yr ohebiaeth hon, am y Prosiect, neu am yr ymgynghoriad, mae croeso i chi gysylltu â ni gan ddefnyddio'r manylion uchod. Byddem ni hefyd yn fodlon darparu ar gyfer sesiwn briffio fwy manwl gyda thîm y Prosiect, os hoffech chi gael un.

Cofion
[redacted]
Stakeholder Lead l Arweinydd Rhanddeiliaid, Flotation Energy

Morecambe Offshore Windfarm Generation Assets:
Statutory Consultation under Section 42 of the Planning Act 2008

Flotation Energy Ltd (Flotation Energy) and Cobra Instalaciones y Servicios (Cobra) (the Applicant)

Statutory Consultation under Section 42 of the Planning Act 2008 ("the Act") (as amended) and the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Notification under Regulation 13 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 ("EIA Regulations")

I am writing to consult with you on the proposed application for Morecambe Offshore Windfarm Generation Assets (the Project), as you have been identified as a statutory consultee for the Project.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project. **Morecambe Offshore Windfarm Limited plan to make the application for development consent in 2024.**

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation on the proposed application, including the preliminary environmental information.

About the Project
The Project is a proposed offshore windfarm, located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30km from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030. The Project is comprised of the following elements:

- Up to 40 wind turbine generators
- Up to two offshore substation platforms
- Platform link (interconnector) cables
- Inter-array cables

Wind turbines and offshore substation platforms will be located within the offshore windfarm site and fixed to the seabed with foundation structures.

The electricity generated by the wind turbine generators would be transported to the National Grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

Consultation documents
Access to the following documents for your consultation is available on the project website at **www.morecambeandmorgan.com/morecambe**:

- A copy of the Preliminary Environmental Information Report (PEIR)
- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
- A copy of the feedback form
- A copy of the Statement of Community Consultation (SoCC)
- A copy of the notice published under Section 48 of the Planning Act 2008
- A copy of the consultation poster

These documents can also be viewed at various reference locations across the Project area. Details of these reference locations can be found on the Project website.

Taking part in this consultation
The consultation is open from **19 April to 4 June 2023**. There are several ways to submit feedback:

- **A feedback form** is available on the Project website. Paper copies can be obtained, at a charge, by request from the community relations team, via the contact details below.
- **An interactive map** is available on the project website: www.morecambeandmorgan.com/morecambe
- **By email** to hello@morecambeoffshorewind.com
- **In writing to** FREEPOST MORECAMBE GENERATION (please be advised it is not possible to send registered post to a freepost address)

The consultation will end at 23:59 on 4 June 2023.

Please ensure that all comments are submitted via the Project website or submitted by email or by post before the consultation end date.

What happens after the consultation closes?
After this consultation has closed, we will look carefully at all the feedback we've received, alongside further technical assessments, and finalise our proposals.

A Consultation Report will be produced that sets out how feedback from all our consultations has shaped the design of the proposed development. The Consultation report will include a summary of consultation responses, including how this feedback was considered and how it may be used. It will detail the consultation process, demonstrating how it was undertaken in accordance with the Statement of Community Consultation (SoCC), and how it met all legal requirements.

Safely managing your data
Responses to this consultation will form part of the DCO Consultation Report, which will be reviewed by the Planning Inspectorate and Secretary of State (BEIS) when deciding whether the application should be granted consent.

Therefore, when providing feedback, please be mindful that its contents may be communicated to others as part of the DCO Consultation Report and DCO process.

Personal details will be held securely and solely for the purposes connected with this consultation, the DCO process and further development of the project. Outside of this, we may be required to provide personal details if specifically requested as part of a Freedom of Information Act request, or if the Planning Inspectorate requests original responses.

The Project's privacy notice can be found at **www.morecambeandmorgan.com/morecambe**.

Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us using the details provided above. We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

Kind regards
[redacted]
Stakeholder Lead, Flotation Energy

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Appendix D9
Section 47 and Seldom Heard Groups Statutory Consultation Launch Notification (English)

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Morecambe Offshore Windfarm Generation Assets

Morecambe Offshore Windfarm Generation Assets:
Statutory Consultation under Section 47 'Duty to consult local community'

I am writing to consult with you on the proposed application for Morecambe Offshore Windfarm Generation Assets (the Project), as you have been identified as a consultee for the Project.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project. **Morecambe Offshore Windfarm Limited plan to make the application for development consent in 2024.**

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation on the proposed application, including the preliminary environmental information.

About the Project
The Project is a proposed offshore windfarm, located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30km from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030. The Project is comprised of the following elements:

- Up to 40 wind turbine generators

- Inter-array cables

Wind turbines and offshore substation platforms will be located within the offshore windfarm site and fixed to the seabed with foundation structures.

The electricity generated by the wind turbine generators would be transported to the National Grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

Consultation documents
Access to the following documents for your consultation is available on the project website at **www.morecambeandmorgan.com/morecambe**:

- A copy of the Preliminary Environmental Information Report (PEIR)
- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
- A copy of the feedback form
- A copy of the Statement of Community Consultation (SoCC)

These documents can also be viewed at various reference locations across the Project area. Details of these reference locations can be found on the Project website.

Taking part in this consultation
The consultation is open from **19 April to 4 June 2023**. There are several ways to submit feedback:

- **A feedback form** is available on the Project website. Paper copies can be obtained, at a charge, by request from the community relations team, via the contact details below.
- **An interactive map** is available on the project website: www.morecambeandmorgan.com/morecambe
- **By email** to hello@morecambeoffshorewind.com
- **In writing to** FREEPOST MORECAMBE GENERATION (please be advised it is not possible to send registered post to a freepost address)

The consultation will end at 23:59 on 4 June 2023.

What happens after the consultation closes?
After this consultation has closed, we will look carefully at all the feedback we've received, alongside further technical assessments, and finalise our proposals.

A Consultation Report will be produced that sets out how feedback from all our consultations has shaped the design of the proposed development. The Consultation report will include a summary of consultation responses, including how this feedback was considered and how it may be used. It will detail the consultation process, demonstrating how it was undertaken in accordance with the Statement of Community Consultation (SoCC), and how it met all legal requirements.

Safely managing your data
Responses to this consultation will form part of the DCO Consultation Report, which will be reviewed by the Planning Inspectorate and Secretary of State (BEIS) when deciding whether the application should be granted consent.

Therefore, when providing feedback, please be mindful that its contents may be communicated to others as part of the DCO Consultation Report and DCO process.

Personal details will be held securely and solely for the purposes connected with this consultation, the DCO process and further development of the project. Outside of this, we may be required to provide personal details if specifically requested as part of a Freedom of Information Act request, or if the Planning Inspectorate requests original responses.

The Project's privacy notice can be found at **www.morecambeandmorgan.com/morecambe**.

Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us using the details provided above. We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

Kind regards

[redacted]
Stakeholder Lead, Flotation Energy

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Appendix D10
Section 47 and Seldom Heard Groups Statutory Consultation Launch Notification (Welsh)

Gweld ar y we | View in browser

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Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

This is a bilingual email containing important information about a statutory consultation. Please scroll down for the English version.

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe: Ymgynghoriad Statudol o dan Adran 47 'Dyletswydd i ymgynghori â'r gymuned leol'

Rwy'n ysgrifennu atoch i ymgynghori â chi ynghylch y cais arfaethedig ar gyfer Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe (y Prosiect), gan eich bod wedi cael eich nodi fel ymgynghorai ar gyfer y Prosiect.

Mae Morecambe Offshore Windfarm Limited yn bwriadu gwneud cais i'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net am Orchymyn Cydsyniad Datblygu (DCO) o dan Adran 37 o Ddeddf Cynllunio 2008 ar gyfer adeiladu, cynnal a chadw a gweithredu'r Prosiect. **Mae Morecambe Offshore Windfarm Limited yn bwriadu gwneud cais am gydsyniad datblygu yn 2024.**

Cyn cyflwyno'r cais am Orchymyn Cydsyniad Datblygu, mae'n ofynnol i Morecambe Offshore Windfarm Limited o dan Adran 42 o Ddeddf Cynllunio 2008 a Rheoliadau Cynllunio Seilwaith (Asesiad o'r Effaith Amgylcheddol) 2017 gynnal ymgynghoriad statudol ynghylch y cais arfaethedig, gan gynnwys yr wybodaeth amgylcheddol ragarweiniol.

Gwybodaeth am y Prosiect

Mae'r Prosiect yn cynnwys fferm wynt alltraeth arfaethedig yn nwyrain Môr Iwerddon. Rhagwelir y bydd yn cynhyrchu capasiti enwol o 480 megawat (MW) ac yn cynhyrchu pŵer adnewyddadwy ar gyfer dros 500,000 o gartrefi yn y Deyrnas Unedig (DU). Yn ei man agosaf, mae safle'r fferm wynt tua 30km oddi ar arfordir Swydd Gaerhirfryn. Bydd y fferm wynt yn helpu'r Deyrnas Unedig i

- Hyd at 40 generadur tyrbinau gwynt
- Hyd at ddau blatfform is-orsaf ar y môr
- Ceblau rhyng-gysylltu platfformau
- Ceblau rhyng-aráe

Bydd y tyrbinau gwynt a'r platfformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen.

Byddai'r trydan a gynhyrchir gan y generaduron tyrbinau gwynt yn cael ei gludo i'r Grid Cenedlaethol drwy'r prosiect Ffermydd Gwynt Morgan a Morecambe: Asedau Trosglwyddo (ynghyd â seilwaith trosglwyddo ar gyfer Asedau Cynhyrchu Prosiect Gwynt Alltraeth Morgan). Mae Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo ac Asedau Cynhyrchu Prosiectau Gwynt Alltraeth Morgan yn ddau brosiect ar wahân i Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe, pob un yn gofyn am eu cais am Orchymyn Cydsyniad Datblygu eu hunain.

Dogfennau ymgynghori
Mae mynediad at y dogfennau canlynol ar gyfer eich sylw ar gael ar wefan y prosiect yn www.morecambeandmorgan.com/morecambe:

- Copi o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol (PEIR)
- Copi o Grynodeb Annhechnegol y PEIR
- Copi o'r llyfryn ymgynghori
- Copi o'r ffurflen adborth
- Copi o'r Datganiad Ymgynghori Cymunedol (SoCC)

Gellir gweld y dogfennau hyn hefyd mewn lleoliadau cyfeirio amrywiol ar draws ardal y Prosiect. Ceir manylion y lleoliadau cyfeirio hyn ar wefan y Prosiect.

Cymryd rhan yn yr ymgynghoriad hwn
Mae'r ymgynghoriad ar agor rhwng **19 Ebrill a 4 Mehefin 2023** Mae sawl ffordd o gyflwyno adborth:

- Mae **ffurflen adborth** ar gael ar wefan y Prosiect. Gellir cael copïau papur, am ddim, ar gais gan y tîm cysylltiadau cymunedol, drwy'r manylion cyswllt isod.
- Mae **map rhyngweithiol** ar gael ar wefan y prosiect: www.morecambeandmorgan.com/morecambe
- **Drwy e-bost** i hello@morecambeoffshorewind.com

Daw’r ymgynghoriad i ben am 23.59 ar 4 Mehefin 2023.

Gwnewch yn siŵr fod yr holl sylwadau’n cael eu cyflwyno drwy wefan y Prosiect neu’n cael eu cyflwyno drwy e-bost neu drwy’r post cyn dyddiad cau'r ymgynghoriad.

Beth fydd yn digwydd ar ôl i’r ymgynghoriad ddod i ben?
Ar ôl i’r ymgynghoriad ddod i ben, byddwn ni'n edrych yn ofalus ar yr holl adborth a ddaw i law, ynghyd â rhagor o asesiadau technegol, a byddwn ni’n cwblhau ein cynigion.

Bydd Adroddiad Ymgynghori yn cael ei lunio, sy’n nodi sut mae adborth o’n holl ymgynghoriadau wedi siapio dyluniad y datblygiad arfaethedig. Bydd yr Adroddiad Ymgynghori yn cynnwys crynodeb o’r ymatebion i’r ymgynghoriad, gan gynnwys sut cafodd yr adborth hwn ei ystyried a sut y gellid ei ddefnyddio. Bydd yn manylu ar y broses ymgynghori, gan ddangos sut cafodd ei chynnal yn unol â’r Datganiad o Ymgynghori Cymunedol, a sut roedd yn bodloni’r holl ofynion cyfreithiol

Rheoli eich data yn ddiogel
Bydd ymatebion i’r ymgynghoriad hwn yn rhan o Adroddiad Ymgynghori’r Gorchymyn Cydsyniad Datblygu, a fydd yn cael ei adolygu gan yr Arolygiaeth Gynllunio a’r Ysgrifennydd Gwladol (BEIS) wrth benderfynu a ddylid rhoi caniatâd i’r cais.

Felly, wrth roi adborth, cofiwch y gallai ei gynnwys gael ei gyfleu i eraill fel rhan o Adroddiad Ymgynghori’r Gorchymyn Cydsyniad Datblygu a phroses y Gorchymyn Cydsyniad Datblygu.

Bydd manylion personol yn cael eu cadw’n ddiogel a dim ond at y dibenion sy’n gysylltiedig â’r ymgynghoriad hwn, proses y Gorchymyn Cydsyniad Datblygu a datblygiad pellach y prosiect. Y tu hwnt i hyn, efallai y bydd yn rhaid i ni ddarparu manylion personol os gofynnir yn benodol am hynny fel rhan o gais Deddf Rhyddid Gwybodaeth, neu os bydd yr Arolygiaeth Gynllunio yn gofyn am ymatebion gwreiddiol.

Mae modd gweld hysbysiad preifatrwydd y Prosiect yn **www.morecambeandmorgan.com/morecambe**.

Os oes gennych chi unrhyw gwestiynau am yr ohebiaeth hon, am y Prosiect, neu am yr ymgynghoriad, mae croeso i chi gysylltu â ni gan ddefnyddio’r

Cofion
Khaleda Chowdhury
Stakeholder Lead | Arweinydd Rhanddeiliaid, Flotation Energy

Morecambe Offshore Windfarm Generation Assets:
Statutory Consultation under Section 47 'Duty to consult local community'

I am writing to consult with you on the proposed application for Morecambe Offshore Windfarm Generation Assets (the Project), as you have been identified as a consultee for the Project.

Morecambe Offshore Windfarm Limited intend to apply to the Secretary of State for Energy Security and Net Zero for a Development Consent Order (DCO) under Section 37 of the Planning Act 2008 for the construction, maintenance and operation of the Project. **Morecambe Offshore Windfarm Limited plan to make the application for development consent in 2024.**

Prior to submitting the DCO application, Morecambe Offshore Windfarm Limited are required by Section 42 of the Planning Act 2008 and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to carry out statutory consultation on the proposed application, including the preliminary environmental information.

About the Project
The Project is a proposed offshore windfarm, located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30km from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030. The Project is comprised of the following elements:

- Up to 40 wind turbine generators
- Up to two offshore substation platforms
- Platform link (interconnector) cables
- Inter-array cables

The electricity generated by the wind turbine generators would be transported to the National Grid, via the Morgan and Morecambe Offshore Wind Farms: Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project Generation Assets). Morgan and Morecambe Offshore Wind Farms: Transmission Assets and Morgan Offshore Wind Project Generation Assets are two projects separate to Morecambe Offshore Windfarm Generation Assets, each requiring their own DCO application.

Consultation documents

Access to the following documents for your consultation is available on the project website at **www.morecambeandmorgan.com/morecambe**:

- A copy of the Preliminary Environmental Information Report (PEIR)
- A copy of the PEIR Non-Technical Summary
- A copy of the consultation brochure
- A copy of the feedback form
- A copy of the Statement of Community Consultation (SoCC)

These documents can also be viewed at various reference locations across the Project area. Details of these reference locations can be found on the Project website.

Taking part in this consultation

The consultation is open from **19 April to 4 June 2023**. There are several ways to submit feedback:

- **A feedback form** is available on the Project website. Paper copies can be obtained, at a charge, by request from the community relations team, via the contact details below.
- **An interactive map** is available on the project website: www.morecambeandmorgan.com/morecambe
- **By email** to hello@morecambeoffshorewind.com
- **In writing to** FREEPOST MORECAMBE GENERATION (please be advised it is not possible to send registered post to a freepost address)

The consultation will end at 23:59 on 4 June 2023.

Please ensure that all comments are submitted via the Project website or submitted by email or by post before the consultation end date.

What happens after the consultation closes?

proposals.

A Consultation Report will be produced that sets out how feedback from all our consultations has shaped the design of the proposed development. The Consultation report will include a summary of consultation responses, including how this feedback was considered and how it may be used. It will detail the consultation process, demonstrating how it was undertaken in accordance with the Statement of Community Consultation (SoCC), and how it met all legal requirements.

Safely managing your data
Responses to this consultation will form part of the DCO Consultation Report, which will be reviewed by the Planning Inspectorate and Secretary of State (BEIS) when deciding whether the application should be granted consent.

Therefore, when providing feedback, please be mindful that its contents may be communicated to others as part of the DCO Consultation Report and DCO process.

Personal details will be held securely and solely for the purposes connected with this consultation, the DCO process and further development of the project. Outside of this, we may be required to provide personal details if specifically requested as part of a Freedom of Information Act request, or if the Planning Inspectorate requests original responses.

The Project's privacy notice can be found at **www.morecambeandmorgan.com/morecambe**.

Should you have any questions about this correspondence, the Project, or the consultation, please do not hesitate to contact us using the details provided above. We would also be happy to accommodate a more detailed briefing with the Project team, if you would like one.

Kind regards

[redacted]
Stakeholder Lead, Flotation Energy

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Eisiau newid sut yr ydych yn clywed gennym?
Gellir diweddaru'ch dewisiadau neu ddad-danysgrifio.

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Appendix D11
Consultation Closing Soon Notification To All Stakeholders (English)

View in browser

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Morecambe Offshore Windfarm Generation Assets: Consultation Closing Soon

Hello

If you have already taken part in the consultation for Morecambe Offshore Windfarm Generation Assets, we would like to take this opportunity to thank you for your valuable feedback.

If you are planning to take part in the consultation, this is a gentle reminder that consultation will be closing at **11:59pm on 4 June 2023.** Please ensure you provide your feedback before this deadline.

There are a number of ways you can find out more information and provide feedback.

Visit our website: morecambeandmorgan.com/morecambe

Within the consultation hub, you can find more information and access our full suite of materials, including our brochure, online feedback form, online consultation feedback map, visualisations of what the windfarm could look like, our Preliminary Environmental Information Report (PEIR) and PEIR Non-Technical Summary (NTS).

Attend a consultation event
We have already held a number of public consultation events but still have some left:

- Affinity Outlet Shopping Lancashire: Tuesday 23 May, 10am to 1pm
- Preston Market: Wednesday 24 May, 10am to 1pm
- Royal Clifton Hotel Southport: Wednesday 24 May, 4pm to 8pm
- Waitrose and Partners Formby: Thursday 25 May, 10am to 1pm

These events are a great way to meet the Project team and ask any questions you may have. More details are available here.

If you missed our online consultation event, which was held on Tuesday 16 May, that's OK – you can watch a recording of the event here.

Visit one of our deposit locations
Throughout the consultation period (19 April to 4 June 2023) you can visit one of the deposit locations listed here and pick up paper copies of our brochure, feedback form, PEIR NTS and Statement of Community Consultation (SoCC).

You can also email us at **hello@morecambeoffshorewind.com**, call us on **0800 915 2493 (Option 2)**, or write to us at **FREEPOST MORECAMBE GENERATION**.

Kind regards,

[redacted]
Stakeholder Lead
Flotation Energy

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Appendix D12
Consultation Closing Soon Notification To All Stakeholders (Welsh)

Gweld ar y we | View in browser

MORECAMBE

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe: Ymgynghoriad yn dod i ben yn fuan
Morecambe Offshore Windfarm Generation Assets: Consultation Closing Soon

This is a bilingual email containing important information about a statutory consultation. Please scroll down for the English version.

Helo

Os ydych chi eisoes wedi cymryd rhan yn yr ymgynghoriad ar gyfer Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe, hoffem fanteisio ar y cyfle hwn i ddiolch i chi am eich adborth gwerthfawr.

Os ydych chi'n bwriadu cymryd rhan yn yr ymgynghoriad hwn, dyma nodyn bach i'ch atgoffa y bydd yr ymgynghoriad yn dod i ben am **11:59pm ar 4 Mehefin 2023.** Cofiwch roi eich adborth erbyn y dyddiad cau hwn.

Gallwch chi gael rhagor o wybodaeth a rhoi adborth mewn sawl ffordd.

Ewch i'n gwefan: morecambeandmorgan.com/morecambe/cym

Gallwch chi gael rhagor o wybodaeth a chael gafael ar ein casgliad llawn o ddeunyddiau yn yr hwb ymgynghori, gan gynnwys ein llyfryn, ffurflen adborth ar-lein, map adborth yr ymgynghoriad ar-lein, delweddau posibl o'r fferm wynt, Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a Chrynodeb Annhechnegol yr Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Ewch i un o'r digwyddiadau ymgynghori
Rydyn ni eisoes wedi cynnal nifer o ddigwyddiadau ymgynghori â'r cyhoedd ond mae rhai digwyddiadau ar ôl o hyd:

- Marchnad Preston: Dydd Mercher 24 Mai, rhwng 10am ac 1pm
- Gwesty'r Royal Clifton Southport: Dydd Mercher 24 Mai, rhwng 4pm ac 8pm
- Waitrose and Partners Formby: Dydd Iau 25 Mai, rhwng 10am ac 1pm
- Parc Manwerthu JunctionONE: Dydd Iau 25 Mai, rhwng 3pm ac 6pm

Mae'r digwyddiadau hyn yn ffordd wych o gwrdd â thîm y Prosiect a gofyn unrhyw gwestiynau sydd gennych chi. Mae rhagor o fanylion ar gael yma.

Os oeddech chi wedi methu ein digwyddiad ymgynghori ar-lein ddydd Mawrth 16 Mai, na phoener – gallwch wylio recordiad o'r digwyddiad yma.

Ewch i un o'n lleoliadau adneuo
Drwy gydol y cyfnod ymgynghori (19 Ebrill i 4 Mehefin 2023) gallwch chi ymweld ag un o'r lleoliadau adneuo yn y rhestr yma a chael copïau papur o'n llyfryn, ffurflen adborth, Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a'n Datganiad o Ymgynghori Cymunedol (SoCC).

Gallwch chi hefyd anfon e-bost atom i **hello@morecambeoffshorewind.com**, ein ffonio ni ar **0800 915 2493** (Opsiwn 2), neu ysgrifennu atom at **FREEPOST MORECAMBE GENERATION**.

Cofion,

[redacted]
Arweinydd Rhanddeiliaid
Flotation Energy

Hello

If you have already taken part in the consultation for Morecambe Offshore Windfarm Generation Assets, we would like to take this opportunity to thank you for your valuable feedback.

If you are planning to take part in the consultation, this is a gentle reminder that consultation will be closing at **11:59pm on 4 June 2023.** Please ensure you provide your feedback before this deadline.

There are a number of ways you can find out more information and provide

Visit our website: morecambeandmorgan.com/morecambe

Within the consultation hub, you can find more information and access our full suite of materials, including our brochure, online feedback form, online consultation feedback map, visualisations of what the windfarm could look like, our Preliminary Environmental Information Report (PEIR) and PEIR Non-Technical Summary (NTS).

Attend a consultation event
We have already held a number of public consultation events but still have some left:

- Affinity Outlet Shopping Lancashire: Tuesday 23 May, 10am to 1pm
- Preston Market: Wednesday 24 May, 10am to 1pm
- Royal Clifton Hotel Southport: Wednesday 24 May, 4pm to 8pm
- Waitrose and Partners Formby: Thursday 25 May, 10am to 1pm
- JunctionONE Retail Park: Thursday 25 May, 3pm to 6pm

These events are a great way to meet the Project team and ask any questions you may have. More details are available here.

If you missed our online consultation event, which was held on Tuesday 16 May, that's OK – you can watch a recording of the event here.

Visit one of our deposit locations
Throughout the consultation period (19 April to 4 June 2023) you can visit one of the deposit locations listed here and pick up paper copies of our brochure, feedback form, PEIR NTS and Statement of Community Consultation (SoCC).

You can also email us at **hello@morecambeoffshorewind.com**, call us on **0800 915 2493 (Option 2)**, or write to us at **FREEPOST MORECAMBE GENERATION**.

Kind regards,

[redacted]
Stakeholder Lead
Flotation Energy

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Eisiau newid sut yr ydych yn clywed gennym?

Want to change how you receive these emails?
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MORECAMBE

Appendix D13
Section 42 Last Chance to Provide Feedback Notification (English)

MORECAMBE

Morecambe Offshore Windfarm Generation Assets: Last chance to provide feedback

Hello

Thank you if you've already submitted feedback to the statutory consultation for Morecambe Offshore Windfarm Generation Assets. If you haven't, please provide feedback before consultation closes at **11:59pm on 4 June 2023** (this Sunday).

There are a number of ways you can find out more information and provide feedback.

Visit our website: www.morecambeandmorgan.com/morecambe

Within the consultation hub, you can find more information and access and download our full suite of materials, including our brochure, online feedback form, online consultation feedback map, visualisations of what the wind farm could look like, our Preliminary Environmental Information Report (PEIR), PEIR Non-Technical Summary (NTS), Section 48 notice ('duty to publicise') and Section 42 notice.

Please rest assured that the documents available to download via the links in this email will remain available to download and refer back to beyond the close of consultation. For completeness and for your records, our section 48 notice can also be read below.

If you didn't manage to come and see us at one of our consultation events, you can watch a recording of our online event here.

Should you have any questions about anything in this email, please don't hesitate to email us at **hello@morecambeoffshorewind.com**, call us on **0800**

Kind regards

Khaleda Chowdhury
Stakeholder Lead
Flotation Energy

MORECAMBE OFFSHORE WINDFARM GENERATION ASSETS (THE "PROJECT")

THE PLANNING ACT 2008 – SECTION 48 'DUTY TO PUBLICISE'

THE INFRASTRUCTURE PLANNING (APPLICATIONS: PRESCRIBED FORMS AND PROCEDURE) REGULATIONS 2009 REGULATION 4

THE INFRASTRUCTURE PLANNING (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS 2017 - REGULATION 13

NOTICE OF PUBLICISING A PROPOSED APPLICATION FOR A DEVELOPMENT CONSENT ORDER ("DCO") FOR THE MORECAMBE OFFSHORE WINDFARM GENERATION ASSETS

The Application

Notice is hereby given that Morecambe Offshore Windfarm Ltd (the "Applicant") whose registered office is 12 Alva St, Edinburgh, is proposing to submit an application to the Secretary of State for Energy Security and Net Zero under Section 37 of the Planning Act 2008 for development consent (the "Proposed Application") to authorise the construction of the Project. The Applicant is a joint venture between Cobra Instalaciones y Servicios, S.A. ("Cobra") and Flotation Energy Ltd.

The Proposed Application will also cover the operation and maintenance of the Project.

The Project

The Project consists of a proposed offshore windfarm located in the east Irish Sea. It is anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom

of generating 50GW of power from offshore wind by 2030. The Project will comprise of the following elements:

- Up to 40 offshore wind turbine generators
- Up to two offshore substation platforms
- Platform link cables
- Inter-array cables

The wind turbines and offshore substation platforms will be located within the windfarm site (shown below) and fixed to the seabed with foundation structures. The transmission infrastructure to connect the Project to the National Grid will be the subject of a separate application for a Development Consent Order ("DCO"). This separate application will be for the transmission assets for both the Project and the Morgan Offshore Wind Farm Generation Assets.

Environmental Impact Assessment

The Applicant has notified the Secretary of State in writing under Regulation 8(1)(b) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017(the "EIA Regulations") that they intend to provide an Environmental Statement ("ES") in respect of the Project. The Project is therefore an "EIA development" for the purposes of the EIA Regulations and an ES will form part of the Proposed Application.

Information compiled about the Project so far is contained in a Preliminary Environmental Information Report (PEIR). A Non-Technical Summary ("NTS") of the PEIR will also be available.

Consultation Documents

and maps showing the nature and location of the Project (the "Consultation Documents"), are available to download and view free of charge from the Consultation Hub of the Project website: **www.morecambeandmorgan.com/morecambe**. They will be available to download at the start of the statutory consultation on **19 April 2023** until **4 June 2023**. Details of consultation events are also available on this website.

Additionally, copies of the consultation brochure, feedback form, Statement of Community Consultation (SoCC) and PEIR NTS can be viewed at various reference locations in the Project area from 19 April 2023. A full copy of the PEIR will also be available on a USB memory stick. See below for a full list of reference locations. These consultation materials can also be found on the Applicant's website and will be available for inspection from **19 April 2023 until 4 June 2023**. A full list of reference locations can be found on the Applicant's website will be available for inspection at these locations from **19 April 2023 until 4 June 2023**.

If you are unable to access the Project website or visit a deposit location, the consultation documents can be obtained by calling the Project team on **0800 915 2493 (option 2)** or by emailing **hello@morecambeoffshorewind.com.** A reasonable copying charge may apply for requests for a full paper copy of the PEIR. Electronic copies will be free of charge.

Reference location	**Opening times**
Henry Bloom Noble Library, 8 Duke Street, Douglas, Isle of Man IM1 2AY	Mon-Weds and Fri: 8.30am-5pm Thurs: 10am-7pm Sat: 9am-4pm
Ramsey Town Library, Parliament Square, Ramsey, Isle of Man IM8 1RT	Mon-Thurs and Sat: 9am-4:30pm Fri: 9am-4:00pm
Abbots Vale Community Centre, Barrow-in-Furness LA13 9PA	Mon-Fri: 9am-8pm
Barrow-in-Furness Main Public Library, Barrow-in-Furness, Ramsden Square LA14 1LL	Mon-Thurs: 9:30am-6pm Fri: 9:30am-5pm Sat: 10am-4pm
Egremont Community Centre, Egremont Mission, Guildford Street Wallasey CH44 0BP	Mon-Fri: 9am-4pm
Penwortham Town Council and Community Centre, Kingsfold Drive, Penwortham, Preston PR1 9EQ	Mon-Thurs: 10am to 3pm Fri: 10am to 12pm
Preston City Council, Town Hall, Lancaster Road, Preston PR1 2RL	Mon-Weds and Fri: 9am-5pm Thurs: 10am-5pm

Southport PR9 1DS	Sat: 10am-2pm
Amlwch Library, Parys Road, Amlwch, Anglesey LL68 9EA	Tues: 9.30am-12.30pm and 2pm-5pm Weds, Fri, Sat: 9.30am-12.30pm Thurs: 2pm-7pm
Bangor Public Library, Gwynedd Road, Bangor LL57 1DT	Mon-Tues: 9:30am to 6:30pm Weds-Fri: 9:30am to 5pm Sat: 9:30am to 1pm
Llandudno Library, Mostyn Street, Llandudno LL30 2RP	Mon-Weds and Fri: 9am to 5:30pm Thurs: 10am to 7pm Sat: 9:30am to 3pm
Rhyl Library, Museum and Arts Centre, Church Street, Rhyl LL18 3AA	Mon: 9:30am-6pm Tues-Fri: 9:30am-5pm Sat: 9:30am-12.30pm

Responding to this notice

If you wish to respond to this notice or make comments or representations in respect of the Project, these should be sent to the Applicant. Please include your name and address where any correspondence relating to the Project can be sent. Comments may be submitted in the following ways:

- **Completing the feedback form**

An electronic copy is available on the Project website. Paper copies are also available at consultation events, at reference locations, or by request from the community relations team.

- **Interactive map**

Available on the Project website: www.morecambeandmorgan.com/morecambe

- **Telephone**

0800 915 2493 (option 2), open Monday to Friday, 9am to 5pm

- **Email**

hello@morecambeoffshorewind.com

- **In writing**

FREEPOST MORECAMBE GENERATION

Any comments received will be analysed by the Applicant and any appointed agent of the Applicant. Copies may be made available in due course to the

representations may be copied and may be made public.

Your privacy matters to us and we are transparent about how we use your data. If you wish to update your information, find out more, or make any requests, please contact the Project team or visit **www.morecambeandmorgan.com/morecambe**.

Please note that all comments and representations must be received by the Applicant by **midnight 4 June 2023.**

Morecambe Offshore Windfarm Generation Assets

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MORECAMBE

Appendix D14
Section 42 Last Chance to Provide Feedback Notification (Welsh)

Gweld ar y we | View in browser

MORECAMBE

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe: Cyfle olaf i roi adborth
Morecambe Offshore Windfarm Generation Assets: Last chance to provide feedback

This is a bilingual email containing important information about a statutory consultation. Please scroll down for the English version.

Helo

Os ydych eisoes wedi rhoi adborth i'r ymgynghoriad statudol ar gyfer Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe, diolch am wneud hynny. Os nad ydych chi wedi rhoi adborth, a fyddech cystal â gwneud hynny cyn i'r ymgynghoriad ddod i ben am **11:59pm ar 4 Mehefin 2023** (ddydd Sul yma).

Gallwch chi gael rhagor o wybodaeth a rhoi adborth mewn sawl ffordd.

Ewch i'n gwefan: www.morecambeandmorgan.com/morecambe/cym/

O fewn yr hyb ymgynghori, gallwch gael rhagor o wybodaeth a chael gafael ar ein casgliad llawn o ddeunyddiau, gan gynnwys ein llyfryn, ffurflen adborth ar-lein, map adborth yr ymgynghoriad ar-lein, delweddau posibl o'r fferm wynt, Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol, Crynodeb Annhechnegol yr Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol yr hysbysiad Adran 48 ('dyletswydd i roi cyhoeddusrwydd') a'r hysbysiad Adran 42.

Bydd y dogfennau yn y dolenni o fewn yr e-bost hwn yn parhau i fod ar gael i'w lawrlwytho ar ôl dyddiad cau yr ymgynghoriad. Er mwyn bod yn gyflawn ac ar gyfer eich cofnodion, mae ein hysbysiad adran 48 ('dyletswydd i roi cyhoeddusrwydd') ar gael i'w ddarllen isod hefyd.

Os nad oeddech chi'n gallu dod i'n gweld ni yn un o'n digwyddiadau

Os oes gennych chi unrhyw gwestiynau am y wybodaeth yn yr e-bost hwn, mae croeso i chi anfon e-bost atom ni drwy **hello@morecambeoffshorewind.com**, ein ffonio ni ar **0800 915 2493 (Opsiwn 2)**, neu anfon llythyr at **FREEPOST MORECAMBE GENERATION**.

Cofion
Khaleda Chowdhury
Arweinydd Rhanddeiliaid
Flotation Energy

ASEDAU CYNHYRCHU FFERM WYNT ALLTRAETH MORECAMBE (Y "PROSIECT")

DEDDF CYNLLUNIO 2008 – ADRAN 48 'DYLETSWYDD I ROI CYHOEDDUSRWYDD'

RHEOLIADAU CYNLLUNIO SEILWAITH (CEISIADAU: FFURFLENNI A GWEITHDREFNAU RHAGNODEDIG) 2009 RHEOLIAD 4

RHEOLIADAU CYNLLUNIO SEILWAITH (ASESU EFFAITH AMGYLCHEDDOL) 2017 – RHEOLIAD 13

HYSBYSIAD O GYHOEDDI CAIS ARFAETHEDIG AM ORCHYMYN CYDSYNIAD DATBLYGU AR GYFER ASEDAU CYNHYRCHU FFERM WYNT ALLTRAETH MORECAMBE

Y Cais

Hysbysir drwy hyn bod Morecambe Offshore Windfarm Ltd (yr "Ymgeisydd") y mae ei swyddfa gofrestredig yn 12 Alva St, Caeredin, yn bwriadu cyflwyno cais i'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net o dan Adran 37 o Ddeddf Cynllunio 2008 am gydsyniad datblygu (y "Cais Arfaethedig") i awdurdodi adeiladu'r Prosiect. Mae'r Ymgeisydd yn fenter ar y cyd rhwng Cobra Instalaciones y Servicios, S.A. ("Cobra") a Flotation Energy Ltd.

Bydd y Cais Arfaethedig hefyd yn cynnwys gweithredu a chynnal a chadw'r Prosiect.

Y Prosiect

(MW) ac yn cynhyrchu pŵer adnewyddadwy ar gyfer dros 500,000 o gartrefi yn y Deyrnas Unedig (DU). Ar ei bwynt agosaf, mae safle'r fferm wynt tua 30km oddi ar arfordir Swydd Gaerhirfryn. Bydd y Prosiect yn helpu'r Deyrnas Unedig i gyflawni ei nod o gynhyrchu 50GW o bŵer o wynt alltraeth erbyn 2030. Bydd y Prosiect yn cynnwys yr elfennau canlynol:

- Hyd at 40 generadur tyrbinau gwynt ar y môr
- Hyd at ddau blatfform is-orsaf alltraeth
- Ceblau cysylltu platfformau
- Ceblau rhyng-aráe

Bydd y tyrbinau gwynt a'r platfformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth (a ddangosir isod) ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen. Bydd y seilwaith trawsyrru i gysylltu'r Prosiect â'r Grid Cenedlaethol yn destun cais ar wahân am Orchymyn Cydsyniad Datblygu. Bydd y cais ar wahân hwn ar gyfer yr asedau trawsyrru ar gyfer y Prosiect ac Asedau Cynhyrchu Fferm Wynt Alltraeth Morgan.

Asesiad o'r Effaith Amgylcheddol

Mae'r Ymgeisydd wedi rhoi gwybod i'r Ysgrifennydd Gwladol yn ysgrifenedig o dan Reoliad 8(1)(b) o Reoliadau Cynllunio Seilwaith (Asesu Effaith Amgylcheddol) 2017 ei fod yn bwriadu darparu Datganiad Amgylcheddol mewn perthynas â'r Prosiect. Felly, mae'r Prosiect yn "ddatblygiad Asesiad o'r Effaith Amgylcheddol" at ddibenion Rheoliadau'r Asesiad o'r Effaith Amgylcheddol a bydd Datganiad Amgylcheddol yn rhan o'r Cais Arfaethedig.

Mae'r wybodaeth a gasglwyd am y Prosiect hyd yma wedi'i chynnwys mewn Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol. Bydd Crynodeb

Dogfennau'r Ymgynghoriad

Mae'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol, y Crynodeb Annhechnegol a dogfennau eraill sy'n ymwneud â'r Prosiect, gan gynnwys cynlluniau a mapiau sy'n dangos natur a lleoliad y Prosiect (y "Dogfennau Ymgynghori"), ar gael i'w llwytho i lawr a'u gweld yn rhad ac am ddim o'r Hyb Ymgynghori ar wefan y Prosiect: www.morecambeandmorgan.com/morecambe. Byddant ar gael i'w llwytho i lawr o ddechrau'r ymgynghoriad statudol ar **19 Ebrill 2023** tan **4 Mehefin 2023**. Mae manylion digwyddiadau ymgynghori hefyd ar gael ar y wefan hon.

Ar ben hynny, bydd modd gweld copïau o'r llyfryn ymgynghori, y ffurflen adborth, y Datganiad o Ymgynghori Cymunedol, a'r Crynodeb Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol mewn amrywiol leoliadau cyfeirio yn ardal y Prosiect o 19 Ebrill 2023 ymlaen. Bydd copi llawn o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol hefyd ar gael ar gof bach USB. Mae rhestr lawn o'r lleoliadau cyfeirio i'w gweld isod. Maent hefyd ar gael ar wefan yr Ymgeisydd a byddant ar gael i'w harchwilio o **19 Ebrill 2023** tan **4 Mehefin 2023**. Mae rhestr lawn o'r lleoliadau cyfeirio ar gael ar wefan yr Ymgeisydd a bydd ar gael i'w harchwilio tan **4 Mehefin 2023**.

Os nad ydych chi'n gallu mynd i wefan y Prosiect neu ymweld â lleoliad adneuo, gallwch gael y dogfennau ymgynghori drwy ffonio tîm y prosiect ar **0800 915 2493 (opsiwn 2)** neu anfon e-bost at hello@morecambeoffshorewind.com**.** Gall tâl copïo rhesymol fod yn berthnasol i geisiadau am gopi papur llawn o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol. Bydd copïau electronig yn rhad ac am ddim.

Lleoliadau adneuo	**Amseroedd agor**
Llyfrgell Henry Bloom Noble, 8 Duke Street, Douglas, Ynys Manaw IM1 2AY	Llun-Mercher a Gwener: 8.30am-5pm Iau: 10am-7pm Sadwrn: 9am-4pm
Llyfrgell y Dref – Ramsey, Parliament Square, Ramsey, Ynys Manaw IM8 1RT	Llun-Mercher a Sadwrn: 9am-4:30pm Gwener: 9am-4:00pm
Canolfan Gymunedol Abbots Vale, Barrow-in-Furness LA13 9PA	Llun-Gwener: 9am-8pm
Prif Lyfrgell Gyhoeddus Barrow-in-Furness, Barrow-in-Furness, Ramsden	Llun-Iau: 9:30am-6pm Gwener: 9:30am-5pm

Canolfan Gymunedol Egremont, Egremont Mission, Guildford Street, Wallasey CH44 0BP	Llun-Gwener: 9am-4pm
Canolfan Gymunedol a Chyngor Tref Penwortham, Kingsfold Drive, Penwortham, Preston PR1 9EQ	Llun-Iau: 10am-3pm Gwener: 10am-12pm
Cyngor Dinas Preston, Neuadd y Dref, Lancaster Road, Preston PR1 2RL	Llun-Mercher a Gwener: 9am-5pm Iau: 10am-5pm
Llyfrgell Southport, Lord Street, Southport PR8 1DJ	Llun-Gwener: 10am-5pm Sadwrn: 10am-2pm
Llyfrgell Amlwch, Lôn Parys, Amlwch, Ynys Môn LL68 9EA	Mawrth: 9.30am-12.30pm a 2pm-5pm Mercher, Gwener, Sadwrn: 9.30am-12.30pm Iau: 2pm-7pm
Llyfrgell Gyhoeddus Bangor, Ffordd Gwynedd, Bangor, Gwynedd, LL57 1DT	Llun-Mawrth: 9:30am-6:30pm Mercher-Gwener: 9:30am-5pm Sadwrn: 9:30am-1pm
Llyfrgell Llandudno, Stryd Mostyn, Llandudno LL30 2RP	Llun-Mercher a Gwener: 9am-5:30pm Iau: 10am-7pm Sadwrn: 9:30am-3pm
Llyfrgell, Amgueddfa a Chanolfan Gelfyddydol y Rhyl, Stryd yr Eglwys, Y Rhyl LL18 3AA	Llun: 9:30am-6pm Mawrth-Gwener: 9:30am-5pm Sadwrn: 9:30am-12.30pm

Ymateb i'r hysbysiad hwn

Os ydych chi'n dymuno ymateb i'r hysbysiad hwn neu wneud sylwadau mewn perthynas â'r Prosiect, dylid anfon y rhain at yr Ymgeisydd. Rhowch eich enw a chyfeiriad lle gellir anfon unrhyw ohebiaeth sy'n ymwneud â'r Prosiect. Gellir cyflwyno sylwadau yn y ffyrdd canlynol:

- **Llenwi'r ffurflen adborth**

Mae copi electronig ar gael ar wefan y Prosiect. Mae copïau papur ar gael hefyd mewn digwyddiadau ymgynghori, mewn lleoliadau cyfeirio, neu ar gais gan y tîm cysylltiadau cymunedol.

- **Map rhyngweithiol**

Ar gael ar wefan y Prosiect: www.morecambeandmorgan.com/morecambe

- **Ffôn**

- **E-bost**

hello@morecambeoffshorewind.com

- **Ysgrifennu atom**

FREEPOST MORECAMBE GENERATION

Bydd unrhyw sylwadau a dderbynnir yn cael eu dadansoddi gan yr Ymgeisydd ac unrhyw asiant a benodir gan yr Ymgeisydd. Gellir darparu copïau maes o law i'r Ysgrifennydd Gwladol, yr Arolygiaeth Gynllunio ac awdurdodau statudol perthnasol eraill er mwyn gallu nodi eich sylwadau. Mae'n bosib y bydd ymatebion a sylwadau eraill yn cael eu copïo a'u cyhoeddi.

Mae eich preifatrwydd yn bwysig i ni ac rydym yn dryloyw ynghylch sut rydym yn defnyddio eich data. Os hoffech chi ddiweddaru eich gwybodaeth, cael gwybod mwy, neu wneud unrhyw geisiadau, cysylltwch â thîm y Prosiect neu fynd i **www.morecambeandmorgan.com/morecambe**.
Cofiwch fod yn rhaid i'r holl sylwadau ddod i law'r Ymgeisydd erbyn **hanner nos, 4 Mehefin 2023.**

Asedau Cynhyrchu Fferm Wynt ar y Môr Morecambe

Hello

Thank you if you've already submitted feedback to the statutory consultation for Morecambe Offshore Windfarm Generation Assets. If you haven't, please provide feedback before consultation closes at **11:59pm on 4 June 2023** (this Sunday).

There are a number of ways you can find out more information and provide feedback.

Visit our website: www.morecambeandmorgan.com/morecambe

Within the consultation hub, you can find more information and access and download our full suite of materials, including our brochure, online feedback form, online consultation feedback map, visualisations of what the wind farm could look like, our Preliminary Environmental Information Report (PEIR), PEIR Non-Technical Summary (NTS), Section 48 notice ('duty to publicise') and

Please rest assured that the documents available for download via the links in this email will remain available to download and refer back to beyond the close of consultation. For completeness and for your records, our section 48 notice can also be read below.

If you didn't manage to come and see us at one of our consultation events, you can watch a recording of our online event here.

Should you have any questions about anything in this email, please don't hesitate to email us at **hello@morecambeoffshorewind.com**, call us on **0800 915 2493 (Option 2)**, or write to us at **FREEPOST MORECAMBE GENERATION**.

Kind regards,

Khaleda Chowdhury
Stakeholder Lead
Flotation Energy

MORECAMBE OFFSHORE WINDFARM GENERATION ASSETS (THE "PROJECT")

THE PLANNING ACT 2008 – SECTION 48 'DUTY TO PUBLICISE'

THE INFRASTRUCTURE PLANNING (APPLICATIONS: PRESCRIBED FORMS AND PROCEDURE) REGULATIONS 2009 REGULATION 4

THE INFRASTRUCTURE PLANNING (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS 2017 - REGULATION 13

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The Application

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The Proposed Application will also cover the operation and maintenance of the Project.

The Project

The Project consists of a proposed offshore windfarm located in the east Irish Sea. It is anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30km from the shore of the Lancashire coast. The Project will help the UK to achieve its target of generating 50GW of power from offshore wind by 2030. The Project will comprise of the following elements:

- Up to 40 offshore wind turbine generators
- Up to two offshore substation platforms
- Platform link cables
- Inter-array cables

The wind turbines and offshore substation platforms will be located within the windfarm site (shown below) and fixed to the seabed with foundation structures. The transmission infrastructure to connect the Project to the National Grid will be the subject of a separate application for a Development Consent Order ("DCO"). This separate application will be for the transmission assets for both the Project and the Morgan Offshore Wind Farm Generation Assets.

Environmental Impact Assessment

The Applicant has notified the Secretary of State in writing under Regulation

Environmental Statement ("ES") in respect of the Project. The Project is therefore an "EIA development" for the purposes of the EIA Regulations and an ES will form part of the Proposed Application.

Information compiled about the Project so far is contained in a Preliminary Environmental Information Report (PEIR). A Non-Technical Summary ("NTS") of the PEIR will also be available.

Consultation Documents

The PEIR, NTS and other documents relating to the Project, including plans and maps showing the nature and location of the Project (the "Consultation Documents"), are available to download and view free of charge from the Consultation Hub of the Project website: **www.morecambeandmorgan.com/morecambe**. They will be available to download at the start of the statutory consultation on **19 April 2023** until **4 June 2023**. Details of consultation events are also available on this website.

Additionally, copies of the consultation brochure, feedback form, Statement of Community Consultation (SoCC) and PEIR NTS can be viewed at various reference locations in the Project area from 19 April 2023. A full copy of the PEIR will also be available on a USB memory stick. See below for a full list of reference locations. These consultation materials can also be found on the Applicant's website and will be available for inspection from **19 April 2023 until 4 June 2023**. A full list of reference locations can be found on the Applicant's website will be available for inspection at these locations from **19 April 2023 until 4 June 2023**.

If you are unable to access the Project website or visit a deposit location, the consultation documents can be obtained by calling the Project team on **0800 915 2493 (option 2)** or by emailing **hello@morecambeoffshorewind.com.** A reasonable copying charge may apply for requests for a full paper copy of the PEIR. Electronic copies will be free of charge.

Reference location	Opening times
Henry Bloom Noble Library, 8 Duke Street, Douglas, Isle of Man IM1 2AY	Mon-Weds and Fri: 8.30am-5pm Thurs: 10am-7pm Sat: 9am-4pm
Ramsey Town Library, Parliament Square, Ramsey, Isle of Man IM8 1RT	Mon-Thurs and Sat: 9am-4:30pm Fri: 9am-4:00pm
Abbots Vale Community Centre, Barrow-in-Furness LA13 9PA	Mon-Fri: 9am-8pm

Square LA14 1LL	Sat: 10am-4pm
Egremont Community Centre, Egremont Mission, Guildford Street Wallasey CH44 0BP	Mon-Fri: 9am-4pm
Penwortham Town Council and Community Centre, Kingsfold Drive, Penwortham, Preston PR1 9EQ	Mon-Thurs: 10am to 3pm Fri: 10am to 12pm
Preston City Council, Town Hall, Lancaster Road, Preston PR1 2RL	Mon-Weds and Fri: 9am-5pm Thurs: 10am-5pm
Southport Library, Lord Street, Southport PR8 1DJ	Mon-Fri: 10am-5pm Sat: 10am-2pm
Amlwch Library, Parys Road, Amlwch, Anglesey LL68 9EA	Tues: 9.30am-12.30pm and 2pm-5pm Weds, Fri, Sat: 9.30am-12.30pm Thurs: 2pm-7pm
Bangor Public Library, Gwynedd Road, Bangor LL57 1DT	Mon-Tues: 9:30am to 6:30pm Weds-Fri: 9:30am to 5pm Sat: 9:30am to 1pm
Llandudno Library, Mostyn Street, Llandudno LL30 2RP	Mon-Weds and Fri: 9am to 5:30pm Thurs: 10am to 7pm Sat: 9:30am to 3pm
Rhyl Library, Museum and Arts Centre, Church Street, Rhyl LL18 3AA	Mon: 9:30am-6pm Tues-Fri: 9:30am-5pm Sat: 9:30am-12.30pm

Responding to this notice

If you wish to respond to this notice or make comments or representations in respect of the Project, these should be sent to the Applicant. Please include your name and address where any correspondence relating to the Project can be sent. Comments may be submitted in the following ways:

- **Completing the feedback form**

An electronic copy is available on the Project website. Paper copies are also available at consultation events, at reference locations, or by request from the community relations team.

- **Interactive map**

Available on the Project website: www.morecambeandmorgan.com/morecambe

- **Telephone**

- **Email**

hello@morecambeoffshorewind.com

- **In writing**

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Any comments received will be analysed by the Applicant and any appointed agent of the Applicant. Copies may be made available in due course to the Secretary of State, the Planning Inspectorate, and other relevant statutory authorities so that your comments can be noted. Responses and other representations may be copied and may be made public.

Your privacy matters to us and we are transparent about how we use your data. If you wish to update your information, find out more, or make any requests, please contact the Project team or visit **www.morecambeandmorgan.com/morecambe**.
Please note that all comments and representations must be received by the Applicant by **midnight 4 June 2023.**

Morecambe Offshore Windfarm Generation Assets

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Appendix D15
Regulation 11 Consultation List

APPENDIX 1: CONSULTATION BODIES FORMALLY CONSULTED

TABLE A1: PRESCRIBED CONSULTATION BODIES[1]

SCHEDULE 1 DESCRIPTION	ORGANISATION
The Health and Safety Executive	Health and Safety Executive
Natural England (Offshore Wind Farms)	Natural England (Offshore Wind Farms)
The relevant fire and rescue authority	Lancashire Fire and Rescue Authority
The relevant police and crime commissioner	Lancashire Police and Crime Commissioner
The relevant police and crime commissioner	Merseyside Police and Crime Commissioner
The Joint Nature Conservation Committee	Joint Nature Conservation Committee
The Maritime and Coastguard Agency	Maritime & Coastguard Agency
The Maritime and Coastguard Agency - Regional Office	The Maritime and Coastguard Agency - Liverpool
The Marine Management Organisation	Marine Management Organisation (MMO)
The Civil Aviation Authority	Civil Aviation Authority
Trinity House	Trinity House
Public Health England, an executive agency of the Department of Health	United Kingdom Health Security Agency
The Crown Estate Commissioners	The Crown Estate
The Secretary of State for Defence	Ministry of Defence

[1] Schedule 1 of The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the 'APFP Regulations')

TABLE A2: RELEVANT STATUTORY UNDERTAKERS[2]

STATUTORY UNDERTAKER	ORGANISATION
Lighthouse	Trinity House
Civil Aviation Authority	Civil Aviation Authority
Licence Holder (Chapter 1 Of Part 1 Of Transport Act 2000)	NATS En-Route Safeguarding
The relevant public gas transporter	Cadent Gas Limited
	Last Mile Gas Ltd
	Energy Assets Pipelines Limited
	Southern Gas Networks Plc
	ES Pipelines Ltd
	ESP Networks Ltd
	ESP Pipelines Ltd
	ESP Connections Ltd
	Fulcrum Pipelines Limited
	Harlaxton Gas Networks Limited
	GTC Pipelines Limited
	Independent Pipelines Limited
	Indigo Pipelines Limited
	Leep Gas Networks Limited
	Murphy Gas Networks limited
	Quadrant Pipelines Limited
	Squire Energy Limited
	National Grid Gas Plc

[2] 'Statutory Undertaker' is defined in the APFP Regulations as having the same meaning as in Section 127 of the Planning Act 2008 (PA2008)

STATUTORY UNDERTAKER	ORGANISATION
	Scotland Gas Networks Plc
	Southern Gas Networks Plc
The relevant electricity distributor with CPO Powers	Eclipse Power Network Limited
	Energy Assets Networks Limited
	ESP Electricity Limited
	Forbury Assets Limited
	Fulcrum Electricity Assets Limited
	Harlaxton Energy Networks Limited
	Independent Power Networks Limited
	Indigo Power Limited
	Last Mile Electricity Ltd
	Leep Electricity Networks Limited
	Murphy Power Distribution Limited
	The Electricity Network Company Limited
	UK Power Distribution Limited
	Utility Assets Limited
	Vattenfall Networks Limited
	National Grid Electricity Transmission Plc
	National Grid Electricity System Operator Limited

TABLE A3: SECTION 43 LOCAL AUTHORITIES (FOR THE PURPOSES OF SECTION 42(1)(B))[3]

LOCAL AUTHORITY[4]
N/A

TABLE A4: NON-PRESCRIBED CONSULTATION BODIES

ORGANISATION
Blackpool Council
Borough of Barrow-in-Furness
Conwy County Council
Copeland Borough Council
Cumbria County Council
Denbighshire County Council
Flintshire County Council
Fylde Borough Council
Historic England
Isle of Man Government
Lancashire County Council
Lancaster City Council
North West Ambulance Service NHS Trust
Royal National Lifeboat Institution
Sefton Council
South Lakeland District Council
West Lancashire Borough Council

[3] Sections 43 and 42(B) of the PA2008

[4] As defined in Section 43(3) of the PA2008

ORGANISATION
Wirral Council
Wyre Council

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Appendix D16
Section 42 Consultation List

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
The Welsh Ministers	All proposed applications likely to affect land in Wales	All applications likely to affect land in Wales	First Minister of Wales	✓	
			Counsel General and Minister for the Constitution	✓	
			Minister for Finance and Local Government	✓	
			Minister for Economy	✓	
			Minister for Rural Affairs and North Wales, and Trefnydd	✓	
			Minister for Social Justice	✓	
			Minister for Climate Change	✓	
			Minister for Education and Welsh Language	✓	
			Minister for Health and Social Services	✓	
			Deputy Minister for Social Partnership	✓	
			Deputy Minister for Arts and Sport, and Chief Whip	✓	
			Deputy Minister for Social Services	✓	
			Deputy Minister for Mental Health and Wellbeing	✓	
			Deputy Minister for Climate Change	✓	
The Scottish Executive	All proposed applications likely to affect land in Scotland	All applications likely to affect land in Scotland	N/A	N/A	N/A
The relevant Northern Island Department	All proposed applications likely to affect land in Northern Ireland	All applications likely to affect land in Northern Ireland	N/A	N/A	N/A
The relevant Regional Planning Body	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	N/A	N/A	N/A
The Health and Safety Executive	All cases	All cases	Health and Safety Executive	✓	
The National Health Service (NHS) Commissioning Board and the relevant clinical commissioning group	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	National Health Service Commissioning Board	✓	
			National Health Service Wales	✓	
The relevant Health Board	All proposed applications likely to affect land in Scotland	All applications likely to affect land in Scotland	N/A	N/A	N/A
The relevant local Health Board	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Betsi Cadwaladr University Health Board	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Department of Health and Social Care	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	The Walton Centre NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Southport and Ormskirk Hospital NHS Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	The Clatterbridge Cancer Centre NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	North West Boroughs Healthcare NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	North West Ambulance Service NHS Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Mersey Care NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Lancashire and South Cumbria NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Lancashire Teaching Hospitals NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Liverpool Heart and Chest NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Liverpool Women's NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Liverpool University Hospitals NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Blackpool Teaching Hospitals NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	University Hospitals of Morecambe Bay NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Wirral Community Health and Care NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Wirral University Teaching Hospital NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	NHS England	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	NHS Lancashire & South Cumbria Integrated Care Board	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	NHS Cheshire & Merseyside Integrated Care Board	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Warrington and Halton Hospitals NHS Foundation Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Health Protection Team Public Health Wales NHS Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Welsh Ambulance Services Trust	✓	
	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	Velindre NHS Trust	✓	
	All proposed applications likely to affect land in Isle of Man	All applications likely to affect land in Isle of Man	IoM Department of Health and Social Care	✓	
Natural England	All proposed applications likely to affect land in England	All applications likely to affect land in England	Natural England	✓	
The Historic Buildings and Monuments Commission for England	All proposed applications likely to affect land in England	All applications likely to affect land in England	Cadw	✓	
			Historic England	✓	
The relevant fire and rescue authority	All cases	All cases	Isle of Man Fire and Rescue	✓	
			Lancashire Fire and Rescue	✓	
			Merseyside Fire and Rescue	✓	
			North Wales Fire and Rescue Service	✓	
The relevant police and crime commissioner	All cases	All cases	Cumbria Police and Crime Commissioner	✓	
			North Wales Police and Crime Commissioner	✓	
			Isle of Man Constabulary	✓	
			Lancashire Police and Crime Commissioner	✓	
			Merseyside Police and Crime Commissioner	✓	
			Cheshire Police and Crime Commissioner	✓	
The relevant parish council, or, where the application relates to land Wales or Scotland to relevant communities	All cases	All cases	Askam and Ireleth Parish Council	✓	
			Dalton Town with Newton Parish Council	✓	
			Aldingham Parish Council	✓	
			Lower Holker Parish Council	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
			Morecambe Parish Council	✓	
			Heaton-with-Oxcliffe Parish Council	✓	
			Middleton Parish Council	✓	
			Overton Parish Council	✓	
			Preesall Parish Council	✓	
			Fleetwood Parish Council	✓	
			Stalmine-With-Staynall Parish Council	✓	
			Hambleton Parish Council	✓	
			Singleton Parish Council	✓	
			Staining Parish Council	✓	
			Weeton-With-Preese Parish Council	✓	
			Westby-With-Plumptons Parish Council	✓	
			Saint Anne's On the Sea Parish Council	✓	
			North Meols Parish Council	✓	
			Scarisbrick Parish Council	✓	
			Halsall Parish Council	✓	
			Formby Parish Council	✓	
			Little Altcar Parish Council	✓	
			Hightown Parish Council	✓	
			Kirkham Parish Council	✓	
			Ribby-with-Wrea Parish Council	✓	
			Bryning-with-Warton Parish Council	✓	
			Freckleton Parish Council	✓	
			Lea Parish Council	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
			Penwortham Parish Council	✓	
			Hesketh-With-Becconsall Parish Council	✓	
			Hutton Parish Council	✓	
			Longton Parish Council	✓	
			Newton-with-Clifton Parish Council	✓	
			Brynford Community Council	✓	
			Llanasa Community Council	✓	
			Llanddulas and Rhyd-y-foel Community Council	✓	
			Llannefydd Community Council	✓	
			Betws yn rhos Community Council	✓	
			Abergele Community Council	✓	
			Llanfairtalhaiarn Community Council	✓	
			Aber (Abergwyngregyn) Community	✓	
			St Asaph Community Council		✓
			Llaneugrad Community Council		✓
			Bodelwyddan Community Council		✓
			Aberffraw Community Council	✓	
			Bro Garmon Community Council	✓	
			Capel Curig Community Council	✓	
			Bay of Colwyn Town Council	✓	
			Conwy Town Council	✓	
			Cylch-y-Garn Community Council	✓	
			Dolgarrog Community Council	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
			Eglwysbach Community Council	✓	
			Northop Community Council	✓	
			Henryd Community Council	✓	
			Llanbadrig Community Council	✓	
			Llanddoged and Maenan Community Council	✓	
			Llandyrnog Community Council	✓	
			Llaneilian Community Council	✓	
			Llanfair Pwllgwyngyll (Llanfairpwll) Community Council	✓	
			Llanfair-Mathafarn-Eithaf Community Council	✓	
			Llanfair-yn-Neubwll Community Council	✓	
			Llanfairfechan Town Council	✓	
			Bro Cernyw Community Council	✓	
			Llanidan Community Council	✓	
			Llansanffraid Glan Conwy Community Council	✓	
			Llansannan Community Council	✓	
			Menai Bridge Town Council	✓	
			Mochdre Community Council	✓	
			Moelfre Community Council	✓	
			Nannerch Community Council	✓	
			Penmaenmawr Town Council	✓	
			Pentir Community Council	✓	
			Rhosyr Community Council	✓	
			Llanrwst Town Council	✓	
The Environment Agency	All proposed applications likely to affect land in England and/or Wales	All applications likely to affect land in England and/or Wales	The Environment Agency	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
			Natural Resource Wales	✓	
			NRW – North Wales	✓	
The Scottish Environment Protection Agency	All proposal applications likely to affect land in Scotland	All applications likely to affect land in Scotland	N/A	N/A	N/A
The Commission for Architecture and the Built Environment	All proposed applications likely to affect land in England	All applications likely to affect land in England	N/A	N/A	N/A
The Equality and Human Rights Commission	All proposed applications likely to affect land in England and Wales	All applications likely to affect land in England and Wales	The Equality and Human Rights Commission	✓	
The Scottish Human Rights Commission	All proposed applications likely to affect land in Scotland	All applications likely to affect land in Scotland	N/A	N/A	N/A
AONB Conservation Boards	All proposed applications likely to affect an AONB that is managed by a Conservation Board	All applications likely to affect an AONB that is managed by a Conservation Board.	Arnside and Silverdale AONB	✓	
	All proposed applications likely to affect an AONB that is managed by a Conservation Board	All applications likely to affect an AONB that is managed by a Conservation Board.	Forest of Bowland AONB	✓	
	All proposed applications likely to affect an AONB that is managed by a Conservation Board	All applications likely to affect an AONB that is managed by a Conservation Board.	Isle of Anglesey AONB C/o planning dept	✓	
	All proposed applications likely to affect an AONB that is managed by a Conservation Board	All applications likely to affect an AONB that is managed by a Conservation Board.	Clwydian Range and Dee Valley AONB	✓	
	All proposed applications likely to affect an AONB that is managed by a Conservation Board	All applications likely to affect an AONB that is managed by a Conservation Board.	Eryri National Park	✓	
Royal Commission on Ancient and Historical Monuments of Wales	All proposed applications likely to affect the historic environment in Wales	All applications likely to affect land in Wales	Royal Commission on Ancient and Historical Monuments of Wales	✓	
			Clwyd-Powys Archaeological Trust	✓	
The Countryside Council of Wales	All proposed applications likely to affect land in Wales	All applications likely to affect land in Wales	Natural Resources Wales	✓	
The Joint Nature Conservation Committee	All proposed applications likely to affect the marine environment	All applications likely to affect the marine environment	Joint Nature Conservation Committee	✓	
The Commission for Rural Communities	All proposed applications likely to affect rural communities in England	All applications likely to affect rural communities in England	N/A	N/A	N/A
Scottish Natural Heritage	All proposed applications likely to affect land in Scotland	All applications likely to affect land in Scotland	N/A	N/A	N/A
The Maritime Coastguard Agency	All proposed applications likely to affect the maritime or coastal environment, or the shipping industry	All applications likely to affect the maritime or coastal environment, or the shipping industry.	The Maritime Coastguard Agency	✓	
The Marine Management Organisation	All proposed applications likely to affect the marine area in England and Wales	Where the proposal would involve carrying on any activity in the marine area in England and Wales	The Marine Management Organisation	✓	
The Scottish Fisheries Protection Agency	All proposed applications likely to affect the fisheries industry in Scotland	All proposed applications likely to affect the fisheries industry in Scotland	Marine Scotland Conservation	✓	
The Civil Aviation Authority	All proposed applications relating to airports or which are likely to affect an airport or its current or future operation	All applications relating to airports or which are likely to affect an airport or its current or future operation	The Civil Aviation Authority	✓	✓
			NATS En-Route Safeguarding	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
The Secretary of State for Transport	All proposed applications likely to affect road or transport operation and/or planning on roads for which the Secretary of State for Transport is the highway authority.	All applications likely to affect road or transport operation and/or planning on roads for which the Secretary of State for Transport is the highway authority.	The Secretary of State for Transport	✓	
The Highways Agency	All proposed applications likely to affect road or transport operation and/or planning on roads for which the Secretary of State for Transport is the highway authority.	All applications likely to affect road or transport operation and/or planning on roads for which the Secretary of State for Transport is the highway authority.	National Highways North West	✓	
			North and Mid Wales Trunk Rd Agent (on behalf of Welsh Gov)	✓	
Integrated Transport Authorities (ITSs) and Passenger Transport Executives (PTEs)	All proposed applications likely to affect transport within, to or from the relevant integrated transport area of the ITA or PTE	All applications likely to affect transport within, to or from the relevant integrated transport area of the ITA or PTE	Merseytravel		✓
			Transport for Greater Manchester		✓
			Transport for the North		✓
			West Yorkshire Combined Authority	✓	
			Network Rail		✓
			Network Rail - Wales and West Region		✓
			Trafnidiaeth Canolbarth Cymru (TraCC)	✓	
			Transport for Wales	✓	
Transport for London	All proposed applications likely to affect transport within, to or from Greater London	All applications likely to affect transport within, to or from Greater London	N/A	N/A	N/A
The Rail Passengers Council	All proposed applications likely to affect rail passenger transport	All proposed applications likely to affect rail passenger transport	N/A	N/A	N/A
The relevant Highways Authority	All proposed applications likely to have an impact on the road network or the volume of traffic in the vicinity of the proposal	All applications likely to have an impact on the road network or the volume of traffic in the vicinity of the proposal	Liverpool City Council		✓
			Lancashire County Council	✓	
			Cumbria County Council	✓	
			Blackpool Council	✓	
The Disabled Persons Transport Advisory Committee	All proposed applications likely to affect access to transport for disabled people	All applications likely to affect access to transport for disabled people	The Disabled Persons Transport Advisory Committee	✓	
The Coal Authority	All proposed applications that lie within areas of past, present or future coal mining.	All applications that lie within areas of past, present or future coal mining.	N/A	N/A	N/A
The Office of Rail and Regulation and approved operators	All proposed applications likely to affect the rail transport industry	All applications likely to affect the rail transport industry	The Office of Rail and Road	✓	
			Highways England Historical Railways Estate	✓	
			Network Rail Infrastructure Limited		✓

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
			Network Rail - Northern and Central region		✓
			Network Rail - Asset Protection		✓
The Gas and Electricity Markets Authority	All proposed applications likely to affect gas and electricity markets	All applications likely to affect gas and electricity markets	The Gas and Electricity Markets Authority (OFGEM)	✓	
The Water Services Regulation Authority	All proposed applications likely to affect the water industry in England and Wales	All applications likely to affect the water industry in England and Wales	The Water Services Regulation Authority (OFWAT)	✓	✓
The relevant waste regulation authority	All proposed applications likely to affect waste infrastructure	All applications likely to affect waste infrastructure	Lancashire County Council	✓	
			Blackpool Council	✓	
The relevant internal drainage board	All proposed applications likely to increase the risk of flooding in that area or where the proposals relate to an area known to be an area of flood risk	All applications likely to increase the risk of flooding in that area or where the proposals relate to an area know to be an area of flood risk	N/A	N/A	N/A
The British Waterways Board	All proposed applications likely to have an impact on inland waterways or land adjacent to inland waterways	All applications likely to have an impact on inland waterways or land adjacent to inland waterways	The Canal and River Trust	✓	
Trinity House	All proposed applications likely to affect navigation in tidal waters	All applications likely to affect navigation in tidal waters	Trinity House	✓	
The Health Protection Agency	All proposed applications likely to involve chemicals, poisons or radiation which could potentially cause harm to people	All applications likely to involve chemicals, poisons or radiation which could potentially cause harm to people	UK Health Security Agency	✓	
Relevant Statutory Undertakers	All proposed applications likely to affect their functions as statutory undertakers	All applications likely to affect their functions as statutory undertakers	United Utilities	✓	
			Drinking Water Inspectorate	✓	
			Water Resources West	✓	
			South Staffs Water	✓	
			Dwr Cymru Cyfyngedig (Welsh Water)	✓	
			Scotland Gas Networks Plc	✓	
			Indigo Pipelines Limited	✓	
			Cadent Gas Ltd	✓	
			Harlaxton Gas Networks Limited	✓	
			Murphy Gas Networks limited	✓	
			Squire Energy Limited	✓	
			National Grid Gas Plc	✓	
			Scotland Gas Networks Plc	✓	

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
			Wales and West Utilities Ltd	✓	
			Southern Gas Plc	✓	
			Last Mile Electricity Gas Ltd	✓	
			Electricity North West		✓
			Forbury Assets Limited		✓
			National Grid Electricity Transmission plc	✓	
			National Grid Electricity System Operator Limited	✓	
			SP Distribution Plc	✓	
			Eclipse Power Network Limited	✓	
			Energy Assets Networks Limited	✓	
			ESP Electricity Limited	✓	
			Fulcrum Electricity Assets Limited	✓	
			Harlaxton Energy Networks Limited	✓	
			Last Mile Electricity Ltd	✓	
			Murphy Power Distribution Limited	✓	
			Utility Assets Limited	✓	
			Vattenfall Networks Limited	✓	
			Diamond Transmission Partners BBE Limited	✓	
			The Electricity Network Company Limited	✓	✓
			Leep Electricity Networks Limited	✓	✓
			SP Manweb Plc	✓	
			Optimal Power Networks Limited	✓	
			Independent Power Networks Limited	✓	✓

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
			Indigo Power Limited	✓	✓
			Murphy Power Distribution Limited	✓	
			UK Power Distribution Limited	✓	✓
			EAST WEST INTERCONNECTOR - EIRGRID INTERCONNECTOR LTD	✓	
			Eirgrid	✓	
			ESAT 2 - BT	✓	
			GWYNT Y MOR EXPORT CABLES 1 to 4 - BALFOUR BEATTY	✓	
			ORSTED - ACTIVE	✓	
			ROCKABILL - EUNETWORKS	✓	
			McMahon Design & Management Ltd	✓	
			Virgin Media	✓	
			National Grid	✓	
			HAVHINGSTEN 1.5 PROPOSED - TELIA CARRIER (NOW ARELION)	✓	
			WESTERN HVDC LINK - NATIONAL GRID AND SCOTTISH POWER	✓	
			Hibernia Networks	✓	
			America Europe Connect (UK) Limited	✓	
			Lanis 1 - Vodafone		✓
			North Hoyle Export Cable 1		✓
			Gwynt Y Mor Inter Array		✓
			Spirit Energy	✓	
			Harbour Energy	✓	
			ENI UK Limited	✓	
Universal Service Providers			Post Office		✓

Schedule 1 The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations (as amended) Consultee description	Circumstances when that person must be consulted about a proposed application.	Circumstances when that person must be notified about an application.	Organisation	Email	Postal/ Hard Copy
The Crown Estate Commissioners	All proposed applications likely to impact on the Crown Estate	All applications likely to impact on the Crown Estate	The Crown Estate Commissioners	✓	
The Forestry Commission	All proposed applications likely to affect the protection or expansion of forests and woodlands	All applications likely to affect the protection or expansion of forests and woodlands	The Forestry Commission North England	✓	
The Secretary of State for Defence	All proposed applications likely to affect current or future operation of a site identified in a safeguarding map and all developments in the marine area	All applications likely to affect current or future operation of a site identified in a safeguarding map and all developments in the marine area	The Secretary of State for Defence	✓	
The Office for Nuclear Regulation (the ONR)	All proposed applications likely to affect matters relevant to the ONR's purposes within the meaning of Part 3 of the Energy Act 2013 (see section 67 of that Act).	All applications likely to affect matters relevant to the ONR's purposes within the meaning of Part 3 of the Energy Act 2013 (see section 67 of that Act)	The Office for Nuclear Regulation (the ONR)	✓	

Other Relevant Section 42 Consultees Contacted

Organisation	Email	Postal/ Hard Copy
Awel y Mor Offshore Wind Farm Limited	✓	
Bangor City Council	✓	
Barrow-in-Furness Borough Council	✓	
Blackpool Airport	✓	
Blackpool Council	✓	
Bodelwyddan Community Council	✓	
bp/EnBW	✓	
Centre for Environment, Fisheries and Aquaculture Science	✓	
Chrysaor	✓	
Conwy County Borough Council	✓	
Conwy Harbour	✓	
Copeland Borough Council	✓	
Cronfa Melinau Tref Alaw	✓	
Cumberland Council	✓	
Cumbria County Council	✓	
Cumbria Wildlife Trust	✓	
Defence Infrastructure Organisation	✓	
Department for Energy Security and Net Zero	✓	
Department for Levelling Up, Housing and Communities	✓	
Design Council	✓	
Douglas Borough Council	✓	
Fikspos	✓	
Fylde Council	✓	
Greater Manchester Combined Authority	✓	
Gwynt y Mor OFTO plc	✓	
Isle of Man Government	✓	
Isle of Anglesey County Council	✓	

Organisation	Email	Postal/ Hard Copy
Lake District National Park Authority	✓	
Lancashire County Council	✓	
Lancashire Wildlife Trust	✓	
Lancaster City Council	✓	
Liverpool City Council	✓	
Liverpool City Region Combined Authority	✓	
Manx Wildlife Trust	✓	
Ministry of Defence	✓	
MOD - Safeguarding (DIO)	✓	
Mona Offshore Wind Project	✓	
Morecambe Bay Partnership		✓
North Wales Resilience Forum	✓	
North West Coastal Forum	✓	
North Western IFCA	✓	
North Yorkshire County Council	✓	
Office for Health Improvement and Disparities	✓	
Orsted Projects (Barrow Wind Farm)	✓	
Orsted Projects (Burbo Bank Extension)	✓	
Orsted Projects (Isle of Man Wind Farm)	✓	
Orsted Projects (Walney Extension Limited)	✓	
Orsted Projects (West of Duddon Sands)	✓	
Preston City Council	✓	
RAF Woodvale	✓	
Regulator of Social Housing - Community Housing Cymru (CHC)	✓	
Representative from Department of Infrastructure	✓	
Rhyl (Foryd Harbour)	✓	
Rhyl Flats Wind Farm Limited (Rhyl Flats)	✓	
Ribble Valley Borough Council	✓	

Organisation	Email	Postal/ Hard Copy
RSPB	✓	
RWE Npower (North Hoyle)	✓	
RWE Renewables (Awel y Mor (pre planning))	✓	
Secretary of State for Energy Security and Net Zero	✓	
Sefton Council	✓	
South Lakeland District Council	✓	
South Ribble Borough Council	✓	
Welsh Language Commissioner	✓	
West Lancashire Borough Council	✓	
Westmorland and Furness Council	✓	
Wildlife Trusts	✓	
Wirral Council	✓	
Wyre Council	✓	

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Appendix D17
Section 43 Consultation List

Organisation	Notes
Isle of Man	
Douglas Borough Council	3 x contacts consulted
Isle of Man Government	6 x contacts consulted
North West England	
Barrow in Furness Borough Council	2 x contacts consulted
Blackpool Council	4 x contacts consulted
Copeland Borough Council	2 x contacts consulted
Cumberland Council	1 x contacts consulted
Cumbria County Council	2 x contacts consulted
Fylde Borough Council	3 x contacts consulted
Greater Manchester Combined Authority	1 x contacts consulted
Lancashire County Council	3 x contacts consulted
Lancaster City Council	3 x contacts consulted
Liverpool City Council	2 x contacts consulted
Liverpool City Region Combined Authority	1 x contacts consulted
Preston City Council	2 x contacts consulted
Ribble Valley Borough Council	2 x contacts consulted
Sefton Council	4 x contacts consulted
South Lakeland District Council	2 x contacts consulted
South Ribble Borough Council	2 x contacts consulted
West Lancashire Borough Council	2 x contacts consulted
Westmorland and Furness Council	1 x contacts consulted
Wirral Council	1 x contacts consulted
Wyre Council	3 x contacts consulted
Wales	
Conwy County Borough Council	2 x contacts consulted
Bangor City Council	1 x contacts consulted
Denbighshire County Council	3 x contacts consulted
Flintshire County Council	2 x contacts consulted
Isle of Anglesey County Council	3 x contacts consulted
Yorkshire	
North Yorkshire County Council	2 x contacts consulted
West Yorkshire Combined Authority	1 x contacts consulted

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Appendix D18
Section 47 Consultation List

Organisation	Notes
16th Fleetwood Scouts	
2nd Onchan Scout Group	
5th Crosby Scouts	
Aber (Abergwyngregyn) Community Council	
Abergele Community Council	
ABP (Port of Garston, Fleetwood, Barrow in Furness)	
Actif Woods	2 x contacts consulted
Age Concern Isle of Man	
Age Concern Liverpool and Sefton	
Age Connects Wales	2 x contacts consulted
Age UK Fylde	
Age UK Gwynedd	2 x contacts consulted
Age UK Lancashire	3 x contacts consulted
Age UK Wirral	
Ambition North Wales	2 x contacts consulted
Anglesey AONB	
Anglesey Youth Services	
Anglo-North Irish Fish Producers Organisation	
Arbory, Castletown and Malew Constituency	
Attorney General	
Awel y Mor Offshore Wind Farm Limited	
Ayre and Michael Constituency	3 x contacts consulted
Bangor City Council	
Bangor University	4 x contacts consulted
Barrow and Furness Constituency	
Barrow-in-Furness Borough Council	12 x contacts consulted
Barrow Port	
Bay of Colwyn Town Council	
Belfast Harbour Commissioners (Port of Belfast)	
Betws yn rhos Community Council	
Bionet	
Blackpool African Caribbean Friends and Relations Association	

Organisation	Notes
Blackpool Council	44 x contacts consulted
Blackpool Light Craft Club	
Blackpool Town Council	
Blundellsands Sailing Club	
Bodelwyddan Community Council	
Boost Lancashire Business Growth Hub	
Boskalis	
Braddan District	2 x contacts consulted
Braddan Parish Commissioners	
Bristow Helicopters (Search and Rescue)	
Bro Garmon Community Council	
Brown May Fisheries Consultancy	
Brynford Community Council	
Bryning-with-Warton Parish Council	
BTO (British Trust for Ornithology)	
Business in the Community Wales	
Bynam Fishing LLP	
Cadw	
Caernarfon Harbour	
Caim Risk	2 x contacts consulted
Cambria Business School	
Capel Curig	
CBI Wales	
Centre for Environment, Fisheries and Aquaculture Science (Cefas)	
CHC Helicopters	
Cheshire and Warrington Local Enterprise Partnership	
Cheshire Wildlife Trust - Wirral Wildlife Local Group	
Chrysoar	2 x contacts consulted
Civil Aviation Authority	
Clwyd & Conwy Rivers Trust	
Clwydian Range and Dee Valley AONB	
Clwyd-Powys Archaeological Trust	

Organisation	Notes
Colwyn Bay Town Council	
Colwyn Bay Heritage	
Connah's Quay Town Council	
Conwy County Borough Council	57 x contacts consulted
Conwy Fields	2 x contacts consulted
Conwy Friends of the Earth Local Group	
Conwy Town Council	
Conwy Youth Services	
Copeland Borough Council	4 x contacts consulted
Council for British Archeology (North West)	
Country Land and Business Association (CLA) Wales	
Creu Conwy	
Crosby Sailing Club	
Cruising Association	2 x contacts consulted
Cumberland Council	
Cumbria County Council	
Cumbria LEP	
Cumbria Nature Partnership	
Cumbria Wildlife Trust	
Cumbria Young Farmers	
Cyfoeth Naturiol Cymru	
Cylch-y-Garn Community Council	
DEFA (IoM)	
Denbighshire County Council	41 x contacts consulted
Denbighshire Youth Services	
Department for Infrastructure, Isle of Man Government	
Department for Transport	
Discover Anglesey	
Dolgarrog	
Douglas Borough Council	
Douglas Central Constituency	2 x contacts consulted
Douglas East Constituency	2 x contacts consulted
Douglas North Constituency	2 x contacts consulted

Organisation	Notes
Douglas South Constituency	2 x contacts consulted
Dublin Port Company	
DVSC	
East Lancashire Chamber of Commerce	
EAST WEST INTERCONNECTOR - EIRGRID INTERCONNECTOR LTD	
Eglwysbach Community Council	
English Heritage	
ENI UK Limited	6 x contacts consulted
Eyri National Park	2 x contacts consulted
Federation of Small Businesses Wales	
Fishing Industry Representative (FIR)	
Fleetwood Town Council	
Flintshire County Council	16 x contacts consulted
Flintshire Fairtrade Coalition	
Flintshire in Business	
Flintshire Youth Services	
Freckleton Parish Council	
French Directorate for the Environment, Planning and Housing	
Friends of the Isle of Anglesey Coastal Path	
Furness Economic Development Forum	
Fylde Council	36 x contacts consulted
Fylde Foodbank	
Galloway's	
Galloway's Morecambe	
Galloway's Southport	
Garff Constituency	2 x contacts consulted
Glasson Sailing Club	
Glenfaba and Peel Constituency	
Go North Wales	
Gwynedd Business Network Limited	
Gwynedd Council	17 x contacts consulted
Gwynedd Youth Services	

Organisation	Notes
Harbour Energy	4 x contacts consulted
HAVHINGSTEN 1.5 PROPOSED - TELIA CARRIER (NOW ARELION)	
Henryd Community Council	
Henshaws Society for Blind People	
Heritage Trust Network (North West)	
Heritage Trust Network (Wales)	
HIBERNIA ATLANTIC SEG.A AND C - HIBERNIA ATLANTIC (Now HIBERNIA NETWORKS)	
Holyhead Port Authority	
Holyhead Sailing Club	
Holyhead Town Council	
House of Keys	2 x contacts consulted
Hoylake Sailing Club	
Hutton Parish Council	
Hyndburn and Ribble Valley Friends of the Earth	
IOM Fisherman	
Irish Chamber of Shipping	
Irish Sea Fisheries Protection Authority	
Irish South and East Fish Producers Organisation	
Isle of Anglesey County Council	32 x contacts consulted
Isle of Man Business Network	
Isle of Man Chamber of Commerce	
Isle of Man Government	
Isle of Man Government Head of Energy Policy	
Isle of Man Harbours (Port of Douglas)	
Isle of Man Legislative Council	2 x contacts consulted
Isle of Man Parliament (Tynwald)	10 x contacts consulted
Isle of Man Steam Packet Company Limited	5 x contacts consulted
Joint Nature Conservation Committee	
Julie Anne Diving Charters	
Kirkham Parish Council	
Knowsley Constituency	
Lancashire County Council	13 x contacts consulted

Organisation	Notes
Lancashire Environment Forum Partnership	
Lancashire Local Enterprise Partnership	
Lancashire Young Farmers	
Lancashire, Greater Manchester and north Merseyside Wildlife Trust	
Lancaster City Council	14 x contacts consulted
Lancaster Deaf Club	
Laxey Sailing Club	
Lea & Cottam Parish Council	
Liverpool Airport	
Liverpool and Sefton Chamber of Commerce	
Liverpool Black Men's Group	
Liverpool City Council	8 x contacts consulted
Liverpool City Region Combined Authority	6 x contacts consulted
Liverpool City Region Local Enterprise Partnership	
Liverpool Friends of the Earth	
Liverpool Irish Centre	
Llanasa Community Council	
Llanbadrig Community Council	
Llanddulas and Rhyd-y-foel Community Council	
Llandudno Hospitality Association	
Llandyrnog Community Council	
Llaneilian Community Council	
Llaneugrad Community Council	
Llanfair Pwllgwyngyll (Llanfairpwll)	
Llanfairfechan Town Council	
Llanfairfechan Sailing Club	
Llanfair-Mathafarn-Eithaf Community Council	
Llanfairtalhaiarn Community Council	
Llanfair-yn-Neubwll Community Council	
Llangernyw Community Council	
Llanidan Community Council	
Llannefydd Community Council	

Organisation	Notes
Llansanffraid Glan Conwy	
Llansannan Community Council	
Longton Parish Council	
Manchester Airport	
Manchester Ship Canal	
Manx Birdlife	2 x contacts consulted
Manx Deaf Society	
Manx Fish Producers Organisation	
Manx Whale and Dolphin Watch	
Manx Wildlife Trust	2 x contacts consulted
Maresconnect	
Marine Energy Wales	
Marine Space	2 x contacts consulted
Maritime and Coastguard Agency	
Marton and Mereside Youth and Community Centre	
Member of Parliament for Aberconwy	
Member of Parliament for Alyn and Deeside	
Member of Parliament for Anglesey	
Member of Parliament for Arfon	
Member of Parliament for Birkenhead	
Member of Parliament for Blackpool North and Cleveleys	
Member of Parliament for Blackpool South	
Member of Parliament for Bootle	
Member of Parliament for Chorley	
Member of Parliament for Clyd West	
Member of Parliament for Copeland	
Member of Parliament for Delyn	
Member of Parliament for Fylde	
Member of Parliament for Garston and Halewood	
Member of Parliament for Lancaster and Fleetwood	
Member of Parliament for Liverpool Riverside	
Member of Parliament for Liverpool Walton	
Member of Parliament for Liverpool Wavertree	

Organisation	Notes
Member of Parliament for Preston Borough	
Member of Parliament for Ribble Valley	
Member of Parliament for Richmond (Yorks)	
Member of Parliament for Sefton Central	
Member of Parliament for Shipton and Ripon	
Member of Parliament for South Ribble	
Member of Parliament for Southport	
Member of Parliament for Vale of Clwyd	
Member of Parliament for Wallasey	
Member of Parliament for West Lancashire	
Member of Parliament for Westmorland and Lonsdale	
Member of Parliament for Wirral South	
Member of Parliament for Wirral West	
Menai Bridge	
Menter Mon	
Mersey Dee Alliance	2 x contacts consulted
Mersey Maritime	
Mersey Rivers Trust	
Merseyside Environmental Trust	
Merseyside Society for Deaf People	
Merseyside Youth Association	
Middle Constituency	
Marine Management Organisation	2 x contacts consulted
Mochdre Community Council	
Moelfre Community Council	
Mona Offshore Wind Project	
Morecambe and Heysham Sea Cadets	
Morecambe and Lunesdale Constituency	
Morecambe Sailing Club	
Morecambe Town Council	
Nannerch Community Council	
National Federation of Fisherman's Organisations	3 x contacts consulted
National Parks & Wildlife Service (NPWS)	

Organisation	Notes
National Trust (North West)	
National Trust Wales	
Natural England	
Natural Resources Wales	
NatureScot	
Newton-with-Clifton Parish Council	
NFU Cymru	
NFU North West	
NHV Helicopters	
North and Mid Wales Association of Local Councils	
North and Western Lancashire Chamber of Commerce	
North Liverpool Foodbank	
North Meols Parish Council	
North Wales Deaf Association	2 x contacts consulted
North Wales Together	
North Wales Wildlife Trust	3 x contacts consulted
North Western IFCA	
Northern Ireland Environment Agency (NIEA)	
Northern Ireland Fish Producers' Organisation	3 x contacts consulted
Northern Lighthouse Board	
Northop Community Council	
ODE Ltd	
Offshore Energy Alliance	
Onchan Constituency	2 x contacts consulted
ORE Catapult	
Ormskirk and District Friends of the Earth	
P&O Ferries	3 x contacts consulted
Peel Ports (Port of Liverpool)	4 x contacts consulted
Penmaenmawr Town Council	
Penrith and the Border Constituency	
Pentir Community Council	
Penwortham Parish Council	
Port of Barrow in Furness	

Organisation	Notes
Port of Bromborough	
Port of Douglas	
Port of Fleetwood	
Port of Garston	
Port of Holyhead	
Port of Liverpool	
Port of Mostyn	
Port Penrhyn	
Port St Mary Commissioners	
Powys County Council	
Prestatyn Sailing Club	
Ramsey Constituency	2 x contacts consulted
Rederscentrale	3 x contacts consulted
Renewable UK Cymru	
Rhosyr	
Rhyl Flats Wind Farm Limited (Rhyl Flats)	
Rhyl Yachting Club	
RNLI	
Roa Island Boating Club Ltd	
ROCKABILL - EUNETWORKS	3 x contacts consulted
Ronaldsway (IOM) Airport	
Royal Commission on Ancient and Historical Monument of Wales	
Royal Society for the Protection of Birds (RSPB)	
Royal Yachting Association	2 x contacts consulted
RSPB Cymru	
RSPB Northern England	
RSPB South Stack	
Rushen Constituency	2 x contacts consulted
RYA Cymru Wales	
Saint Anne's On the Sea Parish Council	
Santon District	
Scarisbrick Ward	2 x contacts consulted

Organisation	Notes
Scottish Fishermen's Federation	3 x contacts consulted
Scottish White Fish Producers Association	2 x contacts consulted
Seatruck Ferries	3 x contacts consulted
Secretary of State for Defence	
Sefton Council	63 x contacts consulted
Senedd	12 x contacts consulted
Singleton Parish Council	
SIRIUS SOUTH - VIRGIN MEDIA	
SLVIA Authorities: Isle of Anglesey	
SLVIA Authorities: Isle of Man	
Social Enterprise UK	
South Cumbria Rivers Trust	
South Lakeland District Council	3 x contacts consulted
South Sefton Foodbank	
Southport Centre for the Deaf	
Southport Foodbank	
Southport Sailing Club	
Spirit Energy	4 x contacts consulted
St Asaph Community Council	
Stena Line	
The Business Network Central & East Lancashire	
The Doves Centre Youth Group	
The Fylde Coat BSL Centre	
The Hispanic Liverpool Project	
The Llangollen Chamber of Trade & Tourism	
The Maritime and Coastguard Agency	
The Pavilion Theatre	
The Port of Mostyn	2 x contacts consulted
The Youth Service	
The FDF (formerly the Flintshire Disability Forum)	
Tref Alaw	
Trinity House	3 x contacts consulted
UK Chamber of Shipping	

Organisation	Notes
UK Ports Association	
Vision Support Barrow and District	
Visit Conwy	
Visit Wales	
Wales Tourism Alliance	
Walney/Barrow Airport	
Warrenpoint Harbour Authority	
Warton (BaE) Airport	
Weeton-With-Preese Parish Council	
Welsh Fishermen	
Welsh Fishermen's Association	3 x contacts consulted
Welsh Fishing Safety Committee	
Welsh Government	2 x contacts consulted
Welsh Government Fisheries Officer	
Welsh Government Marine & Fisheries	
Welsh Government Marine Planning	
West Chesire Sailing Club	
West Chester and North Wales Chamber of Commerce	
West Coast Sea Products Ltd	2 x contacts consulted
West Lancashire Borough Council	9 x contacts consulted
Westby-With-Plumptons Parish Council	
Western Fish Producers Organisation	
Westmorland and Furness Council	5 x contacts consulted
Whitehaven Fishermen's Cooperative Ltd	
Wirral Council	56 x contacts consulted
Wirral Foodbank	
Wirral Society of the Blind and Partially Sighted	
Workington Constituency	
Wrexham County Borough Council	
WS Mezeron	
Wyre Council	33 x contacts consulted
Wyre Rivers Trust	37 x contacts consulted
Youth Service Isle of Man	

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Appendix D19
Statutory Consultation Brochure (English)

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Morecambe Offshore Windfarm Generation Assets

Statutory consultation brochure
April 2023

Visit:
www.morecambeandmorgan.com/morecambe
or scan the QR code

Email:
hello@morecambeoffshorewind.com

Write to us at:
FREEPOST MORECAMBE GENERATION

Call:
0800 915 2493 (option 2)

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About us

Morecambe Offshore Windfarm (referred to throughout this brochure as 'the Project') is being developed as a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra), and Flotation Energy Limited.

- **About Cobra**

  Cobra is a world leader in the development, construction and management of industrial infrastructure and energy projects, with more than 75 years of experience.

- **About Flotation Energy**

  Flotation Energy is a United Kingdom-based offshore wind development company which has a growing project pipeline of offshore wind projects. The expertise of the Flotation Energy team lies in the project management and engineering of large infrastructure projects.

The Project is a proposed offshore windfarm located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over **500,000 homes** in the UK. At its nearest point, the windfarm site is approximately 30 kilometres (km) from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50 gigawatts (GW) of power from offshore wind by 2030.

The importance of renewable energy

The UK 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 as a society need to reduce greenhouse gas emissions to reach 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.

Renewable energy is central to supporting the UK's ambition 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.

To meet 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.

Our consultation

We're now holding a public consultation on our latest proposals which will run for **47 days, from 19 April to 4 June 2023**. We're committed to an open and transparent consultation and would like to hear your views about the Project.

This is our second consultation on the latest design of the Project. This brochure provides an overview of the work we've carried out following the feedback we received during our first consultation in 2022. We're encouraging feedback on our proposals and the work we've undertaken so far.

See opposite for more information about how to provide your feedback. Please note that your feedback doesn't need to be limited to the areas covered in this brochure. We would like to hear any thoughts you may have.

Find out more by reading this brochure and viewing all consultation materials on our website: **www.morecambeandmorgan.com/morecambe**. This includes our Preliminary Environmental Information Report (or 'PEIR'), which forms the basis of this consultation.

We would also encourage you to come along to one of our in-person or online public consultation events. See pages 6-7 or visit **www.morecambeandmorgan.com/meettheteams** for more information about our events.

This stage of consultation is a statutory requirement of the Development Consent Order (or 'DCO') process, in accordance with the Planning Act 2008.

This project is categorised as a Nationally Significant Infrastructure Project (or 'NSIP') under the Planning Act 2008. This means we're required to make an application for a DCO which grants us permission to build, operate and maintain the Project.

How to respond

You can share any feedback you may have by using one of the following methods:

Online consultation feedback map:
Visit **www.morecambeandmorgan.com/morecambe** to see a map of our proposals that allows you to zoom in, pinpoint specific locations, and provide feedback.

Online feedback form:
Visit **www.morecambeandmorgan.com/morecambe** to complete an online version of our feedback form.

Paper copy feedback form:
Pick up a paper feedback form at one of our in-person consultation events or from one of the deposit locations listed on page 8. Simply fill it out, fold it using the instructions provided, seal it and pop it in your local post box. There is no need to use a stamp.

Send an email to:
hello@morecambeoffshorewind.com

Write to us at:
FREEPOST MORECAMBE GENERATION

All responses to this consultation must be received via one of these methods by **midnight 4 June 2023**. Responses received after this date may not be considered.

Where to get more information

We want to make sure you have access to all the information you need about the Project. During the consultation you can:

Visit our website: www.morecambeandmorgan.com/morecambe

Here you can find more information and access our full suite of materials, including this brochure, online feedback form, online consultation feedback map, visualisations of what the windfarm could look like, PEIR and PEIR Non-Technical Summary (PEIR NTS).

Scanning the QR code will take you straight to the Consultation Hub on our project website, which is where all our consultation materials are digitally hosted.

Attend a consultation event

We will be holding a series of public consultation events where you can meet our team, find out more about the Project, and ask any questions you might have. You can either come and see us in-person or join our online event, which will include a question-and-answer session. Full details opposite and on our website: **www.morecambeandmorgan.com/meettheteams**

Visit one of our deposit locations

Throughout the consultation period (19 April to 4 June 2023) you can visit one of the deposit locations listed and pick up paper copies of our brochure, feedback form, PEIR NTS and Statement of Community Consultation (or 'SoCC'). Please note that opening times of deposit locations may vary so please refer to the venues' websites before visiting.

Consultation events

These are drop-in events, meaning you can come along at any time between the hours stated below. There will be printed materials and members of the Project team there for you to talk to and find out more.

Please check **www.morecambeandmorgan.com/meettheteams** before attending a consultation event in case of any unforeseen changes.

Location	Date	Time
Llanddulas Village Hall Beulah Avenue, Llanddulas, Abergele LL22 8FH	Thurs 4 May	3pm to 7pm
St Asaph Parish Church 1 High Street, St Asaph LL17 0RG	Fri 5 May	3pm to 6pm
Winter Gardens Blackpool 97 Church Street, Blackpool FY1 1HL	Weds 10 May	3pm to 7pm
Fylde Rugby Football Club Woodlands Memorial Ground, Blackpool Road, Lytham St Annes FY8 4EL	Fri 12 May	3pm to 7pm
Kingsfold Methodist Church Hawksbury Drive, Kingsfold, Penwortham PR1 9EN	Sat 13 May	10am to 1pm
Ramsey Town Hall Parliament Square, Ramsey, Isle of Man IM8 1RT	Thurs 18 May	3pm to 7pm
Bodelwyddan Village Hall Ronaldsway, Bodelwyddan, Rhyl LL18 5TE	Fri 19 May	3pm to 7pm
Douglas Borough Council Town Hall, Ridgeway Street, Douglas, Isle of Man IM99 1AD	Fri 19 May	3pm to 7pm
Neuadd Owen Village Hall Cefn Meiriadog, St Asaph, Denbighshire LL17 0EY	Sat 20 May	10am to 1pm
Hutton Village Hall Moor Lane, Hutton, Preston PR4 5SE	Mon 22 May	3pm to 7pm
Royal Clifton Hotel Southport Promenade, Southport PR8 1RB	Weds 24 May	4pm to 8pm

Pop-up events

These are smaller-scale events in areas of high footfall, but still a great way to meet the Project team and ask any questions you may have.

Location	Date	Time
Llandudno Library 48 Mostyn Street, Llandudno LL30 2RP	Weds 3 May	2pm to 5pm
Rhyl Tourist Information Centre The Village, West Parade, Rhyl LL18 1HZ	Thurs 4 May	10am to 1pm
Amlwch Library Parys Road, Amlwch LL68 9EA	Sat 6 May	10am to 12pm
Barrow Park Leisure Centre Greengate Street, Barrow-in-Furness LA13 9DT	Thurs 11 May	10am to 1pm
Affinity Outlet Shopping Lancashire Anchorage Road, Fleetwood FY7 6AE	Tues 23 May	10am to 1pm
Preston Market 28 Market Street, Preston PR1 2AR	Weds 24 May	10am to 1pm
Waitrose & Partners Formby Three Tuns Lane, Formby, Liverpool L37 4AJ	Thurs 25 May	10am to 1pm
JunctionONE Retail Park Bidston Moss, Wallasey CH44 2HE	Thurs 25 May	3pm to 6pm

Online event

If you can't make it to an in-person event, you can register to attend our online event by scanning the QR code below, or visiting **www.morecambeandmorgan.com/morecambe/en/meettheteams/**. This event will include a presentation by the Project team and a question-and-answer session.

Location	Date	Time
This online event will take place on Zoom. Once you have registered to attend, you will receive an email confirmation with information about how to join this online event.	Tues 16 May	6pm to 7pm

Everything in green is explained in our glossary on page 26.

Deposit locations

These are publicly accessible venues where printed copies of the SoCC, consultation brochure, PEIR NTS and feedback form can be viewed. You will also be able to view our full PEIR digitally.

Isle of Man

Location	Opening times
Henry Bloom Noble Library 8 Duke Street, Douglas, Isle of Man IM1 2AY	Mon-Weds and Fri: 8.30am to 5pm Thurs: 10am to 7pm Sat: 9am to 4pm
Ramsey Town Library Parliament Square, Ramsey, Isle of Man IM8 1RT	Mon-Thurs and Sat: 9am to 4:30pm Fri: 9am to 4:00pm

North West

Location	Opening times
Abbots Vale Community Centre Barrow-in-Furness LA13 9PA	Mon-Fri: 9am to 8pm
Barrow-in-Furness Main Public Library Ramsden Square LA14 1LL	Mon-Thurs: 9:30am to 6pm Fri: 9:30am to 5pm Sat: 10am to 4pm
Egremont Community Centre Egremont Mission, Guildford Street, Wallasey CH44 0BP	Mon-Fri: 9am to 4pm
Penwortham Town Council and Community Centre, Kingsfold Drive, Penwortham, Preston PR1 9EQ	Mon-Thurs: 10am to 3pm Fri: 10am to 12pm
Preston City Council Town Hall, Lancaster Road, Preston PR1 2RL	Mon-Weds and Fri: 9am to 5pm Thurs: 10am to 5pm
Southport Library Lord Street, Southport PR8 1DJ	Mon-Fri: 10am to 5pm Sat: 10am to 2pm

North Wales

Location	Opening times
Amlwch Library, Parys Road, Amlwch, Anglesey LL68 9EA	Tues: 9.30am to 12.30pm and 2pm to 5pm Weds, Fri, Sat: 9.30am to 12.30pm Thurs: 2pm to 7pm
Bangor Public Library, Gwynedd Road, Bangor LL57 1DT	Mon-Tues: 9:30am to 6:30pm Weds-Fri: 9:30am to 5pm Sat: 9:30am to 1pm
Llandudno Library 48 Mostyn Street, Llandudno LL30 2RP	Mon-Weds and Fri: 9am to 5:30pm Thurs: 10am to 7pm Sat: 9:30am to 3pm
Rhyl Library, Museum & Arts Centre Church Street, Rhyl LL18 3AA	Mon: 9:30am to 6pm Tues-Fri: 9:30am to 5pm Sat: 9:30am to 12.30pm

About the project

At its nearest point, the Project will be approximately 30km from the shore of the Lancashire coast. When fully operational, our windfarm is anticipated to generate a nominal capacity of 480MW and produce renewable power for over **500,000 homes** in the UK, as well as providing a viable alternative to fossil fuel powered energy generation plants.

This Project will play a key role in tackling climate change by:

- Generating low carbon electricity from an offshore windfarm in support of the decarbonisation and security of the UK electricity supply.
- Optimising generation capacity within the constraints of available sites and grid infrastructure.
- Delivering a significant volume of offshore wind in support of the UK Government's Net Zero by 2050 target and commitment to deliver up to 50GW of offshore wind by 2030.
- Contribute to achieving the aims of the UK's Energy Security Strategy.

Our aims are also to:

- Co-exist and collaborate with other activities, developers and operators to enable the balance of different users.
- Contribute to the local, regional and national economy by providing investment, as well as employment and new infrastructure during all phases of the Project.
- Continue to drive down technology and development costs to help provide low-cost energy to consumers and provide community benefits to help contribute to the fight against fuel poverty.
- Align with the key drivers in current and planned updates to national policy.

The exact layout of the Project's infrastructure is still being developed and will not be finalised until the Project has been granted consent by the Planning Inspectorate and Secretary of State for the Department for Energy Security and Net Zero. Due to the complexity of the Project, many details will likely remain unknown to us at the time of submitting our application, including the:

- Precise number, location and configuration of the wind turbine generators (WTGs), offshore substation platforms (OSPs) and any associated development.
- Type of foundation to install the turbines and any associated development.
- Exact height of the tip of the turbine rotors and the diameter of the rotors.

Visit **www.morecambeandmorgan.com/morecambe/en/consultationmap** or see pages 12-13 for a map.

Everything in green is explained in our glossary on page 26.

About the project

Morecambe Offshore Windfarm Generation Assets is a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra) and Flotation Energy Ltd to develop a windfarm in the Irish Sea.

Morecambe Offshore Windfarm Generation Assets is the focus of this brochure and this consultation. All consultation responses should relate to this Project **only**. If you would like to provide feedback on any of the other Crown Estate Leasing Round 4 developments, please refer to their respective websites.

Choosing the right location
We undertook an exercise which considered the technical and environmental constraints of the areas offered by the Crown Estate in its Leasing Round 4 process. This was followed by detailed analysis, informed by engineers, planners, legal, and environmental professionals, whose expertise was drawn upon throughout the process. To date, some key design decisions have been made through the site selection process, ongoing engagement, and stakeholder feedback, for example:

- The windfarm site boundary has been designed to co-exist with existing oil and gas infrastructure and its operations, and therefore limits overlap with other marine users.
- The windfarm site has been located outside of any environmentally designated site.

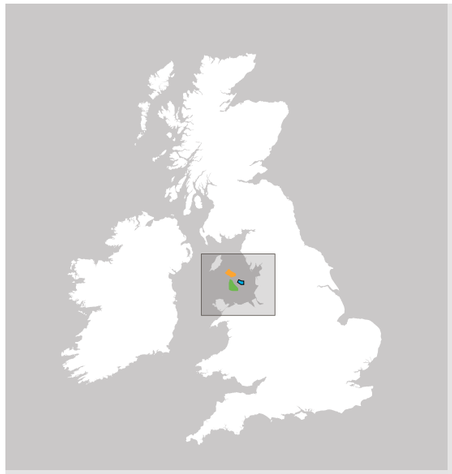
Further information is provided in chapter 4 (Site Selection and Assessment of Alternatives) of the PEIR. The Project design process will continue to evolve through technical studies and feedback received from communities and stakeholders throughout this consultation.

Other neighbouring Crown Estate Leasing Round 4 developments:

Morgan and Morecambe Offshore Wind Farms: Transmission Assets refers to the offshore and onshore assets that will be used to transport electricity from the Morgan and Morecambe Offshore Wind Farms to the National Grid substation at Penwortham. See page 22 or visit **www.morecambeandmorgan.com/transmission** for more information.

Morgan Offshore Wind Project Generation Assets is a joint venture between bp and Energie Baden-Württemberg AG (EnBW) to develop a windfarm in the Irish Sea. Visit **www.morecambeandmorgan.com/morgan** for more information.

Mona Offshore Wind Project is another offshore windfarm being developed by bp and EnBW in the Irish Sea, off the coast of North Wales. Visit **www.morganandmona.com** for more information.

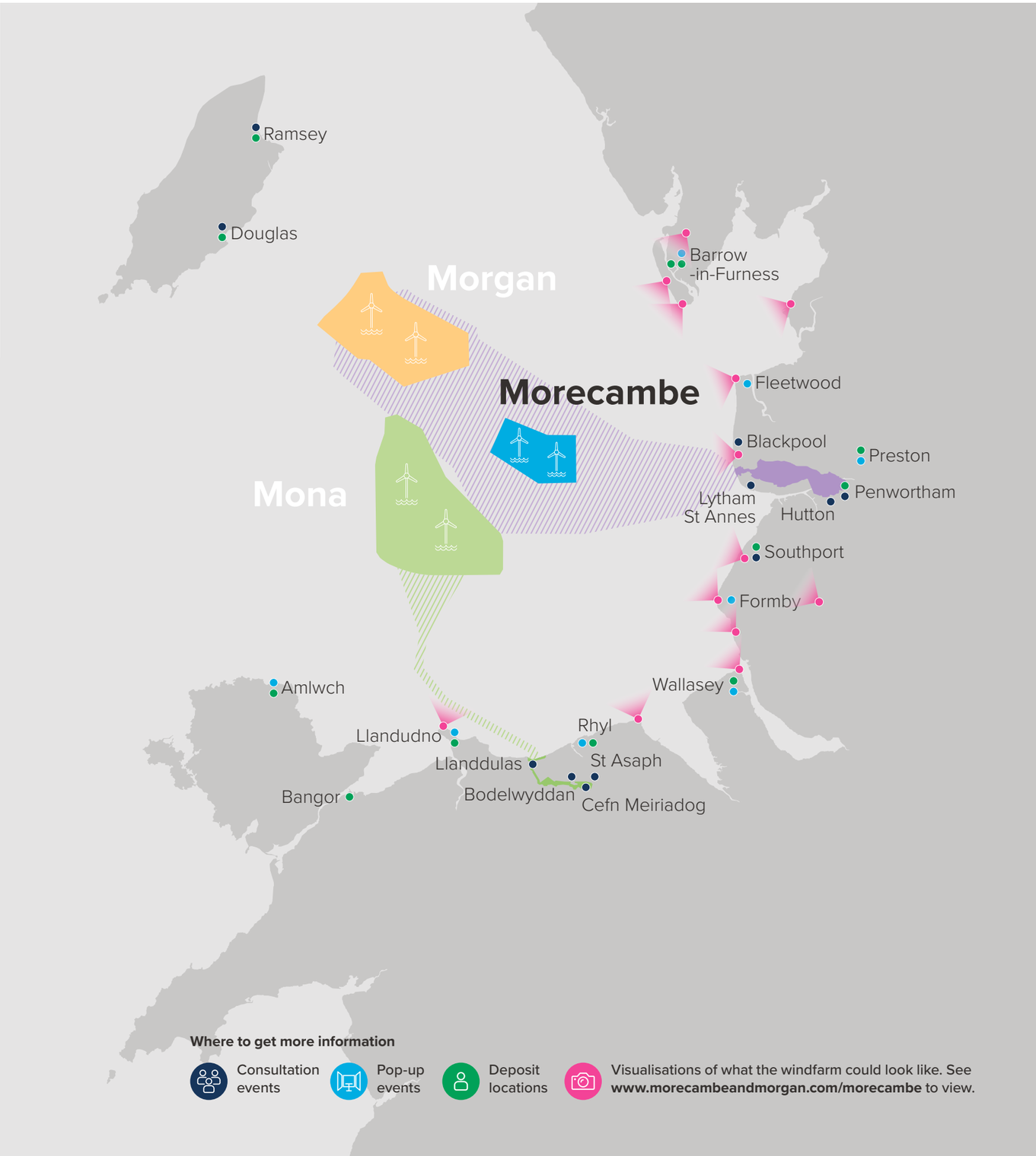


Morecambe area
125km²

Morecambe powering
500,000
homes

Location
30km
from the coast

Water depth
18-40m



Where to get more information

Consultation events

Pop-up events

Deposit locations

Visualisations of what the windfarm could look like. See **www.morecambeandmorgan.com/morecambe** to view.

What the Project will look like

We expect that the Project will comprise of the following elements:

- Up to 40 wind turbine generators (WTGs)
- Up to two offshore substation platforms (OSPs)
- Platform link (interconnector) cables
- Inter-array cables

WTGs and OSPs will be located within the offshore windfarm site and be fixed to the seabed with foundation structures.

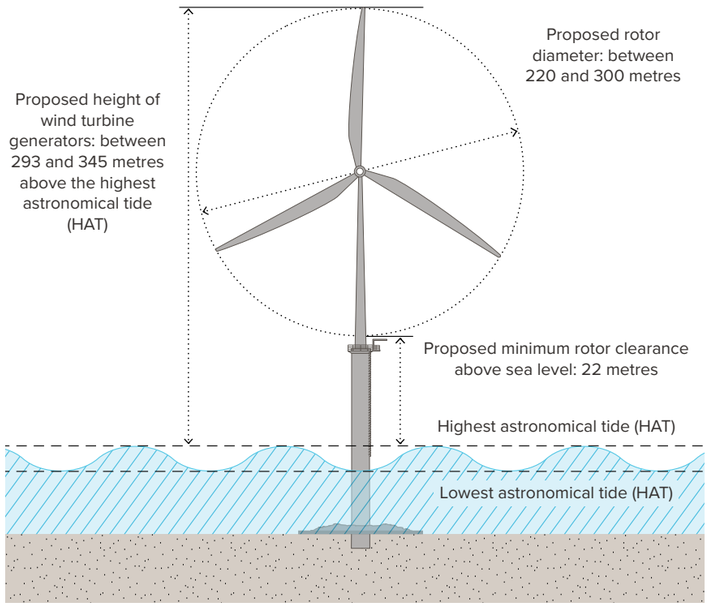
Inter-array cables will connect the WTGs to each other and carry renewable energy to the OSPs. The OSPs will convert the power to a suitable voltage. This is then transferred into the electricity transmission network via the existing National Grid substation at Penwortham in Lancashire.

For more information about the transmission part of the project and why a separate DCO application is needed for this, visit **www.morecambeandmorgan.com/transmission** or see page 22.

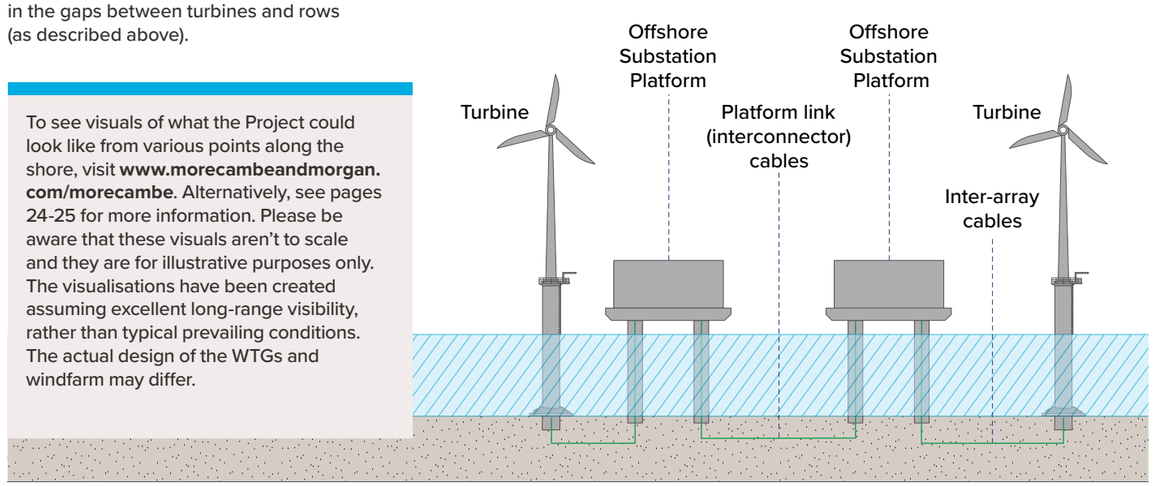
WTGs will be set out in rows. The minimum space between each individual WTG in a row is estimated to be around 990 metres (0.99 kilometres). The minimum space between each row of WTGs is estimated to be around 1,760 metres (1.76 kilometres).

The seabed conditions and the presence of existing infrastructure will influence the final layout of the WTGs within the site boundary. This may lead to an increase in the gaps between turbines and rows (as described above).

To see visuals of what the Project could look like from various points along the shore, visit **www.morecambeandmorgan.com/morecambe**. Alternatively, see pages 24-25 for more information. Please be aware that these visuals aren't to scale and they are for illustrative purposes only. The visualisations have been created assuming excellent long-range visibility, rather than typical prevailing conditions. The actual design of the WTGs and windfarm may differ.



Indicative diagram of what a typical WTG could look like. Actual design may differ. The above image is not to scale and for illustrative purposes only.



The components of Morecambe Offshore Windfarm Generation Assets

This information is based on our current understanding of the Project and will be refined ahead of submitting our DCO application. These numbers are assuming the generation of 480MW of electricity.

Fast facts: WTGs

- Proposed number of WTGs: **up to 40**
- Proposed rotor diameter: **between 220 and 300 metres**
- Proposed maximum tip height of wind turbine: **up to 345 metres above the highest astronomical tide (HAT)**
- Example rotor speed range: **between 6 and 10 revolutions per minute (RPM)**
- Minimum rotor clearance above sea level (HAT): **22 metres**

Fast facts: OSPs

- Proposed maximum number of OSPs: **2**
- Proposed maximum topside width ('topside' meaning the decks supported by the foundation structure on which equipment is installed): **55 metres**
- Proposed maximum topside length: **80 metres**
- Proposed highest point of topside (above HAT), excluding the helicopter landing pad and lightning protection: **65 metres**

Fast facts: Inter-array cables

These are installed to connect individual WTGs and also to connect the wind turbine generators to the OSPs.

- Proposed maximum width of disturbance due to the preparation, installation and burying of inter-array cables beneath the seabed: **25 metres**
- Proposed depth range for burying inter-array cables: **0.5 to 3 metres (target depth of 1.5m)**
- The maximum total length of inter-array cables is **110 kilometres**. At most, we anticipate **10%** of the cable length requiring protection due to ground conditions (11 kilometres).

Fast facts: Platform link (interconnector) cables

Should the project require two OSPs, platform link cables will be needed to connect each OSP to enable the transfer of electricity. They would also ensure that electricity transmission can continue in the unlikely event that a cable or OSP should unexpectedly fail.

- Proposed maximum number of cables (and trenches): **2**
- Proposed maximum length of cable (per cable): **5 kilometres**
- The maximum total length of platform link cables is 10km. At most, we anticipate **10%** of the cable requiring cable protection due to ground conditions (1km)

For more information about how we plan to build the Project, please see our PEIR NTS and chapter 5 (Project Description) of our PEIR.

Everything in green is explained in our glossary on page 26.

Our work so far

In June 2022 we published a Scoping Report which set out what we understood at the time to be the Project's likely effects on the environment and how we would assess them. Our Scoping Report was followed by the Secretary of State's Scoping Opinion, which was provided in August 2022.

Since then, we've been carrying out a range of environmental assessments to better understand the potential impacts of the Project on the environment. We also continue to engage with stakeholders to understand in greater detail the area that we're proposing to work in.

Our environmental assessments are undertaken using a wide range of data sources, including project specific surveys. To date, we've undertaken the following surveys:

- **Geophysical surveys** – to distinguish the physical characteristics of the site (surface and subsurface).
- **Benthic surveys** – to identify and map any habitats. Video footage and a collection of sediment samples have been taken.
- **Aerial surveys** – to record any birds and marine mammals seen across the site. So far, we have processed a year's worth of data and have another year's worth of data that will feed into our final assessment.
- **Viewpoint photography** – to analyse the existing views in comparison to indicative views of the proposed Project.
- **Marine vessel traffic surveys** – two 14-day at sea surveys were undertaken to record vessel activity in the area around the Project.

Using the wide range of data gathered, we have produced a Preliminary Environmental Information Report (PEIR). The PEIR provides a summary of the Project, the site selection process, engineering design development and the key findings of the Environmental Impact Assessment (EIA) process to date.

The purpose of the EIA is to allow stakeholders to develop an informed view of the development, as required by The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017).

The PEIR also covers a comprehensive range of environmental topics. It presents assessments and potential impacts that were specified within the Planning Inspectorate's Scoping Opinion, on behalf of the Secretary of State. Throughout our PEIR, we have set out how we have addressed the comments included in the Scoping Opinion. Assessments have been supported by a wide range of analysis, including:

- **Underwater noise modelling** – to understand effects, particularly in the construction phase during potentially noisy activity (such as piling).
- **Collision risk modelling** – to predict the number of birds that would be at risk of encounters with turbines or rotor blades.
- **Radar line of sight modelling** – to identify the radars likely to detect the Project.
- **Navigational risk assessment** – to identify and assess the hazards and risks affecting vessel navigation. This was undertaken alongside other neighbouring projects.

As described in chapter 6 of the PEIR (Methodology), all PEIR chapters provide an overview of the existing environment, followed by an assessment of the potential effects and associated mitigation during all phases of the Project.

Our assessment work to date has been guided and informed by engagement with a number of technical stakeholders. This will continue as the Project develops.

Cumulative effects with other plans and projects are also assessed when considered with the Project.

The assessments for most topics concluded that the Project will not result in significant effects, alone or when considering the Project alongside other activities, plans and projects. Certain mitigations identified will need to be agreed and further developed with stakeholders. For topics where significant effects have been identified, further analysis and assessments are being undertaken.

The findings are detailed in each chapter of the PEIR and have been summarised in the PEIR NTS, with information on some of the topics on pages 17-18.

Ornithology

The assessment on seabirds during construction includes disturbance and displacement and indirect effects on habitats and prey species, including sensitive species such as the red-throated diver (pictured). Additionally, during the operation and maintenance phases, potential impacts also include collision risk.

No significant adverse effects were identified for the Project alone. This included any risk to collisions with turbines, which is assessed as no greater than minor, and not significant, for all species recorded in flight at the windfarm site. This includes the most sensitive species, such as gannet, kittiwake (pictured), common gull, herring gull, lesser black-backed gull and great black-backed gull.

The cumulative assessment, when including other plans and projects in the area, will be considered in more detail as the EIA progresses and when all data is available.

Socioeconomic, tourism and recreation

Our assessment drew on a range of publicly available statistics for the local study area: Liverpool, Halton, Sefton, Wirral, Copeland, South Lakeland, Barrow-in-Furness, Blackpool, Fylde, Lancaster, West Lancashire, Wyre, Cheshire West and Chester, Denbighshire, and Flintshire, as well as the UK as a whole.

No significant effects on the tourism economy, recreational activities or community assets were identified.

Potential benefits will arise from an increase in expenditure, and a resulting boost for the economy during construction, operation and maintenance of the Project.

There's potential for the creation of employment opportunities during all phases, in particular during the construction phase of the Project.

Marine mammals

Our work to date has enabled us to identify the most relevant marine mammals in the area, including harbour porpoise (pictured), bottlenose dolphin, common dolphin, Risso's dolphin, white-beaked dolphin, minke whale, grey seal and harbour seal.

Underwater noise modelling was carried out to better understand the impact of underwater noise effects on marine mammals.

Assessments found that, with mitigation for the Project alone, only 'minor adverse' and 'non-significant' effects to marine mammals would occur.

The cumulative assessment, when including other plans and projects in the area, will be considered in more detail as the EIA progresses and when all data is available.

Everything in green is explained in our glossary on page 26.

Seascape, Landscape and Visual Impact Assessment (SLVIA)

For the assessments, the study area included the English counties of Cumbria, Lancashire and Merseyside; a southern terrestrial area, including the Welsh counties of Flintshire, Denbighshire, Conwy, Gwynedd and the Isle of Anglesey; and a western offshore area, defined by the waters of the Irish Sea and the Isle of Man.

The assessments identified that most views of the Project are either distant and/or dominated by existing offshore windfarms. The areas with the most visual effects, which are deemed to be significant, are limited to areas along the Fylde and Sefton coastline.

Although there are localised effects on views from this section of the coast, the effects will only occur during infrequent periods of excellent, long-range visibility, and will not occur during most prevailing conditions.

The information provided in this brochure is by no means exhaustive or fully representative of all the work we've done. More detailed information about all the assessments we've carried out and the subsequent results can be found in our PEIR NTS and PEIR.

Interactions with other marine users

We have conducted a range of assessments within our study area to see how our proposed windfarm site could possibly impact other users and industries. For example, commercial fisheries, oil and gas infrastructure, shipping and navigation.

Below we've provided an overview of the results for some of these assessments. More detailed information about the assessments carried out and the subsequent results can be found in chapters 13 (Commercial Fishing), 14 (Shipping and Navigation), 16 (Civil and Military Aviation and Radar) and 17 (Infrastructure and Other Users) of our PEIR and in the PEIR NTS.

View over Douglas Harbour, Isle Of Man

Commercial fisheries

Commercial fishing activity has been characterised using landings statistics, vessel monitoring, surveillance data, and engagement with the fishing industry. Based on an analysis of the location of the windfarm site, fishing activity is expected to be dominated by larger vessels potting for whelk, and to a lesser extent dredging for scallops.

With mitigation for the construction period, it has been assessed that the effects from the Project are minor. When considering other plans and projects in the area, further assessment will be undertaken.

The Project will continue to engage with stakeholders in the region related to commercial fisheries and explore how we can further mitigate any potential impacts.

Shipping and navigation

In the study area, data shows that service vessels associated with existing offshore windfarms and oil and gas infrastructure account for a large proportion of vessel movements. Large vessels passing through the windfarm site are predominantly ferries and service vessels, and commercial cargo. Tanker routes are of low frequency in the windfarm site. Four principal operators were identified in the eastern Irish Sea through our assessments:

- **Isle of Man Steam Packet Company**, operating between Douglas, Liverpool and Heysham.
- **Seatruck**, operating between Heysham, Liverpool, Warrenpoint and Dublin.
- **Stena**, operating between Liverpool, Heysham and Belfast.
- **P&O**, operating between Liverpool and Dublin.

Our assessments found that while our Project would affect the Liverpool to Douglas and Liverpool to Belfast ferry routes, only the Liverpool to Belfast route would require a small additional travel distance as a result of the Project. The impacts from the Project alone were assessed as not significant. However, mitigations have been identified to reduce these effects further.

When considering the Project with other plans and neighbouring projects, significant effects have been identified. Through ongoing assessments and continued engagement with stakeholders and regulators we will aim to implement suitable mitigation measures and explore possible additional measures ahead of developing our Environmental Statement and submitting our DCO application.

Everything in green is explained in our glossary on page 26.

Your feedback

We would like your feedback on the work we've undertaken on our Project to date. This is covered broadly in this brochure and in more significant detail in our PEIR NTS and PEIR.

Our PEIR covers a comprehensive range of environmental topics for which potential effects have been assessed. These have been listed below, with a corresponding chapter number in our PEIR where you can find more information. Please note that your feedback does not need to be limited to the areas listed on this page.

- **Marine Geology, Oceanography and Physical Processes** includes assessment on protected sites, features and habitats within the study area as well as processes such as waves and tides and sediment movement. See our PEIR NTS and chapter 7 of our PEIR.
- **Marime Sediment and Water Quality** considers both effects to the water column and the seabed. See our PEIR NTS and chapter 8 of our PEIR.
- **Benthic Ecology** considers effects to the habitats and species on the seabed. See our PEIR NTS and chapter 9 of our PEIR.
- **Fish and Shellfish Ecology** considers effects to species that live in the water column as well as those at the sea bed, including effects of noise. See our PEIR NTS and chapter 10 of our PEIR.
- **Marine Mammals** includes assessment of effects to harbour porpoise, bottlenose dolphin, minke whale, grey seal (and more), including underwater noise. See our PEIR NTS and chapter 11 of our PEIR.
- **Offshore Ornithology** considers the assessment of seabirds including effects such as collision risk and displacement See our PEIR NTS and chapter 12 of our PEIR.
- **Commercial Fisheries** considers the current fishing activities and the effects on the fishing industry. See our PEIR NTS and chapter 13 of our PEIR.
- **Shipping and Navigation** considers effects to the marine transport of people and goods (both commercially and recreationally). See our PEIR NTS and chapter 14 of our PEIR.
- **Marine Archaeology and Cultural Heritage** considers the historical landscape and seabed features of archaeological interest, such as wrecks of either maritime or aviation origin, as well as the setting of onshore historical assets. See our PEIR NTS and chapter 15 of our PEIR.
- **Civil and Military Aviation and Radar** considers effects on civil and military aerodromes and radar facilities, and offshore fixed-wing and helicopter flights. See our PEIR NTS and chapter 16 of our PEIR.
- **Infrastructure and Other Users** considers the effects of interaction with other activities and users, for example, offshore oil and gas infratructure, telecommuncations cables and interconnectors, other offshore windfarm developments and marine recreation. See our PEIR NTS and chapter 17 of our PEIR.
- **Seascape, Landscape and Visual Impact Assessment (SLVIA)** considers the extent of views of the Project as well as effects on the landscape character. See our PEIR NTS and chapter 18 of our PEIR.
- **Human Health** considers activities which may affect physical or mental health. See our PEIR NTS and chapter 19 of our PEIR.
- **Socioeconomic, Tourism and Recreation** considers effects to the economy and community assets. See our PEIR NTS and chapter 20 of our PEIR.
- **Climate Change** considers effects to the global climate, including an assessment of the emissions of the Project during all Project phases. See our PEIR NTS and chapter 21 of our PEIR
- **Traffic and Transport** considers the framework for onshore assessment, noting that assessment is not undertaken in detail until the port(s) servicing the Project are selected. See our PEIR NTS and chapter 22 of our PEIR.

We are also encouraging feedback on:

- Our work to **understand the technical and environmental constraints of the areas offered to us by the Crown Estate as part of its leasing process**. This work informed our decision to locate the Project within the area shown on the map on pages 12-13. Constraints analysed and considered include water depths, wind capacity, wave height, seabed conditions, and the location of possible onshore connection and marine port facilities (among other things). See our PEIR NTS and chapter 4 (Site Selection and Assessment of Alternatives) of our PEIR.
- **Community Benefits.** See our PEIR NTS and chapter 20 (Socioeconomic, Tourism and Recreation) of our PEIR.
- **Any information that could help us plan for construction.** See our PEIR NTS and chapter 5 (Project Description) of our PEIR.
- **How we can help support job creation.** See our PEIR NTS and chapter 20 (Socioeconomic, Tourism and Recreation) of our PEIR.

Should any refinements to the Project be needed as a result of the feedback we receive, these will be covered in our Environmental Statement, which will form an important part of our DCO application. See page 23 for more information about next steps beyond this consultation.

What is Morgan and Morecambe Offshore Wind Farms: Transmission Assets

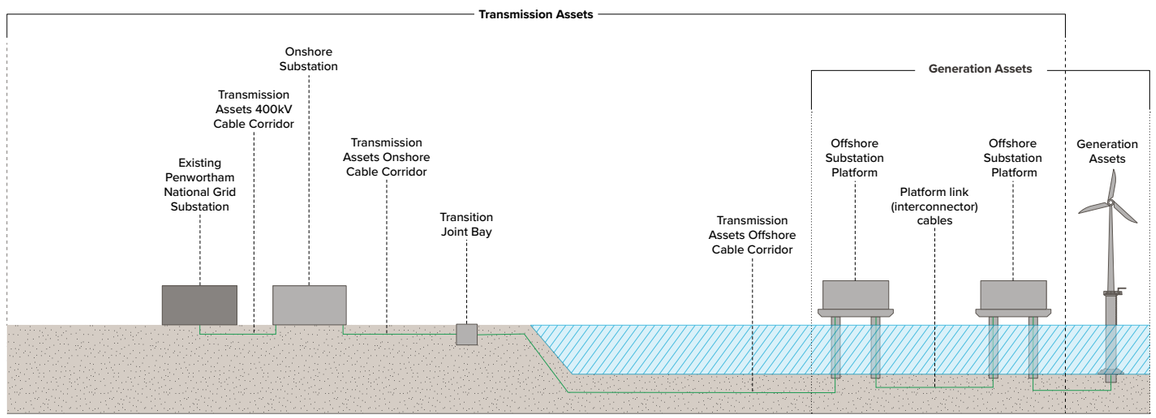
Morgan and Morecambe Offshore Wind Farms: Transmission Assets refers to the offshore and onshore assets that will be used to transport electricity from **Morecambe Offshore Windfarm** and the **Morgan Offshore Wind Project** to the National Grid substation at Penwortham.

The Morgan Offshore Wind Project is another proposed windfarm to be located in the Irish Sea and also requires its own DCO application. Combined, Morecambe Offshore Windfarm and the Morgan Offshore Wind Project will generate almost 2GW of energy.

Both projects were scoped into the Pathways to 2030 workstream under the Offshore Transmission Network Review. As part of this review, National Grid 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 windfarms to the national grid at Penwortham in Lancashire.

Therefore, both projects intend to submit a single joint application for the transmission assets, comprising of offshore and onshore export cables, an offshore booster station for the Morgan Offshore Wind Project, onshore substations, plus associated grid connection infrastructure. These transmission assets will be associated with both the Morecambe Offshore Windfarm and the Morgan Offshore Wind Project.

Morecambe Offshore Windfarm Generation Assets is the focus of this brochure and this consultation. All consultation responses should relate to this project ***only***. If you would like to provide feedback on any of the other projects, please refer to their respective websites.



This indicative diagram illustrates which part of the projects are classified as generation assets (Morecambe Offshore Windfarm and Morgan Offshore Wind Project) and which parts are classified as transmission assets (Morgan and Morecambe Offshore Wind Farms: Transmission Assets).

Next steps

This consultation closes at **midnight 4 June 2023**. Once consultation has closed, we'll carefully consider all the responses received as we develop our proposals further and prepare to submit our DCO application to the Planning Inspectorate and Secretary of State.

Our application will include:

- A Consultation Report which will set out how feedback from all our consultations has shaped the design of the proposed development. It will include a summary of consultation responses, including how feedback has been considered and how it may be used. It will also detail the consultation process, demonstrating how it was undertaken in accordance with our SoCC, and how it met all legal requirements.
- An Environmental Statement setting out the environmental considerations for the Project and how we could look to mitigate them.

The DCO application will be submitted to the Planning Inspectorate and Secretary of State for Energy Security and Net Zero. We expect to submit our application in 2024.

If the DCO application is accepted, a pre-examination stage will begin, with opportunities for local community members to register as an interested party on the Planning Inspectorate's website and request to take part in the examination process.

The Planning Inspectorate will then examine the DCO application, with input from interested parties and statutory consultees. The examination period is expected to be a maximum of six months. Following the examination, the Planning Inspectorate will present its recommendation to the Secretary of State for Energy Security and Net Zero, who will then make the final decision on whether the DCO should be granted. We anticipate a final decision being made on our application in 2025.

In the meantime, we will continue to engage with stakeholders and undertake further technical assessments to help influence the design of the best possible Project.

Assuming the DCO application is successful, we expect to start construction in 2026 at the earliest.

If, as a result of the feedback received during this consultation, the Project needs to change to an extent that it is necessary to carry out further consultation, this will be carried out in accordance with the principles set out in our SoCC and targeted geographically, or by group, as is appropriate to the change.

Everything in green is explained in our glossary on page 26.

Indicative timeline

2022

Ongoing technical and environmental survey work.

Non-statutory consultation on Morecambe and Morgan offshore windfarms.

2023

Statutory consultation on Morecambe Offshore Windfarm Generation Assets.

2024

Application submitted for a Development Consent Order (DCO).

2026

Earliest anticipated commencement of construction.

2028/29

Expected start – Commercial Operation Date (COD).

Correct at time of publication: April 2023. Please note that this is an indicative timeline subject to change.

Visualisations of the proposed Project

The size, number and positioning of our turbines have yet to be decided. But at this early stage we've created indicative visualisations to show potential views of the Project from a range of onshore locations.

Visit **www.morecambeandmorgan.com/morecambe** to view these visualisations in more detail.

Using the online map, click on the place marker icons along the north-west coastline. This will bring up visualisations created to show the view, including existing infrastructure and how the view might look once the Project has been built. The icons represent different locations on the shore from which the Project might be visible.

Please note that these visualisations are for illustrative purposes only and are not to scale.

These effects will, however, only occur during infrequent periods of excellent, long-range, visibility, and will not occur during most prevailing conditions and periods of lower visibility.

Glossary

Consultation Report

This is a summary of the feedback received during the consultation and how the Project has sought to address this feedback, as far as possible. It will also detail how the Project has delivered effective engagement with stakeholders and communities and be submitted as part of the Project's DCO application (see below).

Department for Energy Security and Net Zero

The Department for Energy Security and Net Zero (DESNZ) is focused on the energy portfolio and was created following the dissolution of the former Department for Business, Energy and Industrial Strategy (BEIS).

Deposit locations

These are prominent locations chosen along the north-west of England, Isle of Man and Wales where people can visit and read paper copies of the Project's consultation materials. See page 8 to see where these are.

Development Consent Order (DCO)

A DCO is the means of obtaining permission for developments categorised as Nationally Significant Infrastructure Projects (NSIPs). See below.

Energy Security Strategy

On 7 April 2022 the UK government published its British Energy Security Strategy which proposes to accelerate the UK towards a low-carbon, energy independent future.

Environmental Impact Assessment (EIA)

This assesses the significant effects of a Project of development proposal on the environmental. EIAs ensure that Project decision makers think about the likely effects on the environment at the earliest possible time and aim to avoid, reduce or offset those effects.

Environmental Statement

This will include a full factual description of the Project and its likely environmental effects. This is also submitted as part of the Project's DCO application.

Highest Astronomical Tide (HAT)

The highest level of water that can be predicted to occur under average meteorological conditions and any combination of astronomical conditions.

Leasing Round 4

Offshore Wind Leasing Round 4 creates the opportunity for a c.8GW of new offshore wind projects in the waters around England and Wales by the end of the decade. That's enough to power more than seven million homes and deliver a step-change in the UK's journey to net zero by 2050. Source: thecrownestate.co.uk/round-4/

Net Zero by 2050

In 2019, the UK became the first major economy to pass legislation that commits the country to net zero emissions by 2050. In other words, the target is to reduce net greenhouse gas emissions by 100 per cent, relative to 1990 levels.

Nationally Significant Infrastructure Project (NSIP)

NSIPs are major infrastructure developments in England and Wales that bypass normal local planning requirements. They can include proposals for power plants, new airports, major road projects and large renewable energy projects like this one.

Offshore Transmission Network Review

The review looked into the way that the offshore transmission network is designed and delivered, consistent with the ambition to deliver net zero emissions by 2050. Source: www.gov.uk/government/groups/offshore-transmission-network-review

Pathway to 2030 Holistic Network Design

This represents a major step for Great Britain in delivering cheap, clean energy from offshore wind. It sets out a single, integrated design that supports the large-scale delivery of electricity generated from offshore wind, taking power to where it's needed across Great Britain. Source: nationalgrideso.com/future-energy/pathway-2030-holistic-network-design

PEIR Non-Technical Summary

This is a more succinct summary of the PEIR's key points.

Planning Act 2008

The 2008 Act provides the consenting regime for granting planning and other consents for nationally significant infrastructure projects. These are large scale developments, both onshore and offshore, such as new harbours, roads, railways, power stations and electricity transmission lines. The 2008 Act sets out the thresholds above which certain types of infrastructure development are considered to be nationally significant and in relation to which developers must seek development consent. The Secretary of State may also issue a direction, the effect of which is to bring a project into the remit of the 2008 Act.

Planning Inspectorate

The Planning Inspectorate is an executive agency with responsibility for making decisions and providing recommendations and advice on a range of land use planning-related issues across England and Wales.

DCO applications are examined by a single inspector or a panel of inspectors from the Planning Inspectorate, known as the Examining Authority. On completion of the examination, the Examining Authority will provide a recommendation report to the Secretary of State who will decide whether development consent should be granted.

Preliminary Environmental Information Report (PEIR)

This describes the Project and sets out its potential effects, considering the environment, social and economic effects, and the mitigation measures proposed to reduce any potential effects.

Scoping Opinion

This is produced by the Secretary of State and refers to the range of issues they believe should be contained in an Environmental Impact Assessment. The Scoping Opinion follows the Project's Scoping Report (see below). The Scoping Opinion is available to read on the Planning Inspectorate's website: **www.gov.uk/government/organisations/planning-inspectorate**.

Scoping Report

A Scoping Report sets out the proposed content, methodologies to be adopted and the anticipated likely significant environmental effects that are proposed to be considered in the EIA (see above). It supports a request from the project for a written Scoping Opinion (see above) from the Planning Inspectorate, on behalf of the Secretary of State. Our Scoping Report is available to read on **www.morecambeandmorgan.com/morecambe**.

Statement of Community Consultation (SoCC)

This sets out how the Project intends to consult with local communities on its proposals. Our SoCC is available to read on **www.morecambeandmorgan.com/morecambe**.

Statutory bodies

These are government-appointed bodies set up to give advice and be consulted for comment on development plans and planning applications affecting matters of public interest.

Windfarm site

The area within which the wind turbine generators, inter-array cables, offshore substation platforms and platform link (interconnector) cables will be present.

Contact us

If you'd like any more information or have any questions about the Project, you can contact us:

Visiting:
www.morecambeandmorgan.com/morecambe
or use the QR code below.

Calling:
0800 915 2493 (option 2)
between 9am and 5pm

Emailing:
hello@morecambeoffshorewind.com

Writing to:
FREEPOST MORECAMBE GENERATION

MORECAMBE

Visit:
www.morecambeandmorgan.com/morecambe
or scan the QR code

Email:
hello@morecambeoffshorewind.com

Write to us at:
FREEPOST MORECAMBE GENERATION

Call:
0800 915 2493 (option 2)

MORECAMBE

Appendix D20
Statutory Consultation Brochure (Welsh)

MORECAMBE

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe

Llyfryn yr ymgynghoriad statudol
Ebrill 2023

Ewch i
www.morecambeandmorgan.com/morecambe
neu sganiwch y cod QR

E-bost:
hello@morecambeoffshorewind.com

Ysgrifennwch atom:
FREEPOST MORECAMBE GENERATION

Ffoniwch:
0800 915 2493 (option 2)

Cynnwys

Gwybodaeth amdanom ni 04
Pwysigrwydd ynni adnewyddadwy 04

Ein hymgynghoriad 05
Sut mae ymateb 05

Ble i gael rhagor o wybodaeth 06-08

Gwybodaeth am y prosiect 11-13

Sut bydd y prosiect yn edrych 14
Ffeithiau cyflym: Generaduron tyrbin gwynt 15
Ffeithiau cyflym: Platfformau is-orsaf ar y môr 15
Ffeithiau cyflym: Ceblau rhyng-aráe 15
Ffeithiau cyflym: Ceblau cysylltu (rhyng-gysylltu) platfformau 15

Ein gwaith hyd yma 16
Adareg 17
Nodweddion economaidd-gymdeithasol, twristiaeth a hamdden 17
Mamaliaid morol 17
Asesiad o'r Effaith Weledol a'r Effaith ar y Morwedd a'r Tirwedd (SLVIA) 18

Rhyngweithio â defnyddwyr morol eraill
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Morgludo a mordwyo 19

Eich adborth 20-21

Beth yw Ffermydd Gwynt Alltraeth Morgan a Morecambe Asedau Trosglwyddo 22

Y camau nesaf 23

Delweddau o'r Prosiect arfaethedig 24-25

Geirfa 26

Cysylltu â ni 27

Gwybodaeth amdanom ni

Mae Fferm Wynt Alltraeth Morecambe (y cyfeirir ati drwy'r llyfryn hwn fel 'y Prosiect') yn cael ei chyflwyno fel menter ar y cyd rhwng Cobra Instalaciones y Servicos, S.A. (Cobra), a Flotation Energy Limited.

- **Gwybodaeth am Cobra**

  Mae Cobra yn arwain y byd o ran datblygu, adeiladu a rheoli seilwaith diwydiannol a phrosiectau ynni, gyda mwy na 75 mlynedd o brofiad.

- **Gwybodaeth am Flotation Energy**

  Mae Flotation Energy yn gwmni datblygu gwynt alltraeth yn y Deyrnas Unedig, sydd â llif cynyddol o brosiectau gwynt ar y môr. Mae tîm Flotation Energy yn arbenigo ar y gwaith o reoli prosiect a pheirianneg prosiectau seilwaith mawr.

Mae'r Prosiect yn cynnwys fferm wynt alltraeth arfaethedig yn nwyrain Môr Iwerddon. Rhagwelir y bydd yn cynhyrchu capasiti enwol o 480 megawat (MW) ac yn cynhyrchu pŵer adnewyddadwy ar gyfer dros **500,000 o gartrefi** yn y Deyrnas Unedig (DU). Yn ei fan agosaf, mae safle'r fferm wynt tua 30 cilometr (km) oddi ar arfordir Swydd Gaerhirfyn. Bydd y fferm wynt yn helpu'r Deyrnas Unedig i gyrraedd ei nod o gynhyrchu 50 gigawat (GW) o bŵer o wynt ar y môr erbyn 2030.

Pwysigrwydd ynni adnewyddadwy

Mae llywodraeth y Deyrnas Unedig wedi ymrwymo i gynlluniau uchelgeisiol a fydd yn sicrhau bod y wlad yn flaenllaw yn y frwydr dros ddyfodol mwy gwyrdd. Fel rhan o'r cynlluniau hyn, bydd angen i ni fel cymdeithas leihau allyriadau nwyon tŷ gwydr i Sero Net erbyn 2050.

Er mwyn cyflawni hyn, bydd angen i ni newid y ffordd rydym yn gwresogi ein cartrefi, yn pweru ein cerbydau ac, yn bwysig iawn, y ffordd rydym yn cynhyrchu ein trydan.

Mae ynni adnewyddadwy yn ganolog i gefnogi uchelgais y DU i arwain y byd wrth fynd i'r afael â newid yn yr hinsawdd, lleihau ein dibyniaeth ar danwydd ffosil a chroesawu dyfodol lle mae ynni adnewyddadwy yn pweru ein cartrefi a'n busnesau.

Er mwyn cyflawni ein nodau hinsawdd, mae angen i ni gynhyrchu bedair gwaith yn fwy o ynni gwynt ar y môr – sy'n golygu gosod a gweithredu capasiti 50GW erbyn 2030.

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Ein hymgynghoriad

Rydyn ni nawr yn cynnal ymgynghoriad cyhoeddus ar ein cynigion diweddaraf, a bydd ymlaen am **47 diwrnod rhwng 19 Ebrill a 4 Mehefin 2023**. Rydyn ni wedi ymrwymo i gynnal ymgynghoriad agored a thryloyw, a hoffem glywed eich barn am y Prosiect.

Dyma ein hail ymgynghoriad ar ddyluniad diweddaraf y Prosiect. Mae'r llyfryn hwn yn rhoi trosolwg o'r gwaith rydyn ni wedi'i wneud yn dilyn yr adborth a gawsom yn ystod ein hymgynghoriad cyntaf yn 2022. Rydyn ni'n annog adborth ar ein cynigion a'r gwaith rydyn ni wedi'i wneud hyd yma.

Edrychwch ar y dudalen gyferbyn i gael rhagor o wybodaeth am sut i roi eich adborth. Nid oes angen cyfyngu eich adborth i'r meysydd a drafodir yn y llyfryn hwn. Byddem yn falch o glywed unrhyw sylwadau sydd gennych. Mae rhagor o wybodaeth ar gael drwy ddarllen y llyfryn hwn a gweld yr holl ddeunyddiau ymgynghori ar ein gwefan: **www.morecambeandmorgan.com/morecambe**

Mae hyn yn cynnwys ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol (neu 'PEIR'), sy'n sail i'r ymgynghoriad hwn.

Byddem ni hefyd yn eich annog i ddod i un o'n digwyddiadau ymgynghori cyhoeddus a gynhelir wyneb yn wyneb neu ar-lein. Ewch i dudalennau 6-7 neu ewch i **www.morecambeandmorgan.com/meettheteams/** i gael rhagor o wybodaeth am ein digwyddiadau.

Mae'r cam hwn o ymgynghori yn ofyniad statudol o'r broses Gorchymyn Cydsyniad Datblygu (neu DCO), yn unol â Deddf Cynllunio 2008.

Mae'r prosiect hwn wedi'i gategoreiddio fel Prosiect Seilwaith o Arwyddocâd Cenedlaethol (neu 'NSIP') o dan Ddeddf Cynllunio 2008. Mae hyn yn golygu ei bod yn ofynnol i ni wneud cais am DCO sy'n rhoi caniatâd i ni adeiladu, gweithredu a chynnal y Prosiect.

Sut mae ymateb

Gallwch chi rannu unrhyw adborth sydd gennych drwy ddefnyddio un o'r dulliau canlynol:

Map adborth o'r ymgynghoriad ar-lein: Ewch i **www.morecambeandmorgan.com/morecambe** i weld map o'n cynigion sy'n eich galluogi i nesáu a phellhau, canfod lleoliadau penodol, a rhoi adborth.

Ffurflen adborth ar-lein: Ewch i **www.morecambeandmorgan.com/morecambe** i lenwi fersiwn ar-lein o'n ffurflen adborth.

Copi papur o'r ffurflen adborth: Cymerwch ffurflen adborth bapur yn un o'n digwyddiadau ymgynghori wyneb yn wyneb neu yn un o'r lleoliadau adneuo yn y rhestr ar dudalen 8. Y cyfan sydd angen ei wneud ydy llenwi'r ffurflen, ei phlygu gan ddefnyddio'r cyfarwyddiadau a roddir, ei selio a'i rhoi yn eich blwch post lleol. Does dim angen defnyddio stamp.

Anfonwch e-bost at: **hello@morecambeoffshorewind.com**

Ysgrifennwch atom yn: **FREEPOST MORECAMBE GENERATION**

Rhaid i'r holl ymatebion i'r ymgynghoriad hwn ddod i law drwy un o'r dulliau hyn erbyn **hanner nos ar 4 Mehefin 2023**. Efallai na fydd ymatebion a ddaw i law ar ôl y dyddiad hwn yn cael eu hystyried.

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Ble i gael rhagor o wybodaeth

Rydyn ni eisiau gwneud yn siŵr eich bod yn gallu cael gafael ar yr holl wybodaeth sydd ei hangen arnoch am y Prosiect. Yn ystod yr ymgynghoriad:

Ewch i'n gwefan: www.morecambeandmorgan.com/morecambe

Yno, gallwch chi gael rhagor o wybodaeth a chael gafael ar ein casgliad llawn o ddeunyddiau, gan gynnwys y llyfryn hwn, ffurflen adborth ar-lein, map adborth ymgynghoriad ar-lein, delweddau o sut gallai'r fferm wynt edrych, yr Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a Datganiad Annhechnegol or Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Bydd sganio'r cod ansawdd yn mynd â chi'n syth i'r Hwb Ymgynghori ar wefan ein prosiect, lle mae ein holl ddeunyddiau ymgynghori ar gael yn ddigidol.

Ewch i un o'r digwyddiadau ymgynghori

Byddwn ni'n cynnal cyfres o ddigwyddiadau ymgynghori cyhoeddus lle gallwch chi gwrdd â'n tîm, cael gwybod mwy am y Prosiect, a gofyn unrhyw gwestiynau sydd gennych. Gallwch chi naill ai ddod i'n gweld ni wyneb yn wyneb neu ymuno â'n digwyddiad ar-lein, a fydd yn cynnwys sesiwn holi ac ateb. Mae'r holl fanylion ar gael gyferbyn ac ar ein gwefan: **www.morecambeandmorgan.com/meettheteams/**

Ewch i un o'n lleoliadau adneuo

Drwy gydol y cyfnod ymgynghori (19 Ebrill i 4 Mehefin) gallwch chi ymweld ag un o'r lleoliadau adneuo yn y rhestr, a chael copïau papur o'n llyfryn, ffurflen adborth, Datganiad Annhechnegol o'r Adroddiad Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a'n Datganiad o Ymgynghori Cymunedol (neu 'SoCC'). Cofiwch y gall amseroedd agor lleoliadau adneuo amrywio, felly edrychwch ar wefannau'r lleoliadau cyn ymweld.

Digwyddiadau ymgynghori

Digwyddiadau galw heibio yw'r rhain, sy'n golygu y gallwch ddod draw unrhyw bryd rhwng yr oriau a nodir isod. Bydd deunyddiau wedi'u hargraffu yno, a bydd aelodau o dîm y prosiect ar gael i chi siarad gyda nhw a chael rhagor o wybodaeth.

Edrychwch ar **www.morecambeandmorgan.com/meettheteams/** cyn dod i un o'r digwyddiadau ymgynghori rhag ofn y bydd unrhyw newidiadau annisgwyl.

Lleoliad	Dyddiad	Amser
Neuadd Bentref Llanddulas Rhodfa Beulah, Llanddulas, Abergele LL22 8FH	Iau 4 Mai	3pm tan 7pm
Eglwys Sant Asa Llanelwy 1 Stryd Fawr, Llanelwy LL17 0RG	Gwen 5 Mai	3pm tan 6pm
Winter Gardens Blackpool 97 Church Street, Blackpool FY1 1HL	Mer 10 Mai	3pm tan 7pm
Clwb Rygbi Fylde Woodlands Memorial Ground, Blackpool Road, Lytham St Annes FY8 4EL	Gwen 12 Mai	3pm tan 7pm
Eglwys Fethodistaidd Kingsfold Hawksbury Drive, Kingsfold, Penwortham PR1 9EN	Sad 13 Mai	10am tan 1pm
Neuadd y Dref Ramsey Parliament Square, Ramsey, Isle of Man IM8 1RT	Iau 18 Mai	3pm tan 7pm
Neuadd Bentref Bodelwyddan Ronaldsway, Bodelwyddan, Rhyl LL18 5TE	Gwen 19 Mai	3pm tan 7pm
Cyngor Bwrdeistref Douglas Neuadd y Dref, Ridgeway Street, Douglas, Ynys Manaw IM99 1AD	Gwen 19 Mai	3pm tan 7pm
Neuadd Owen Cefn Meiriadog, Llanelwy, Sir Ddinbych LL17 0EY	Sad 20 Mai	10am tan 1pm
Neuadd Bentref Hutton Moor Lane, Hutton, Preston PR4 5SE	Môn 22 Mai	3pm tan 7pm
Gwesty'r Royal Clifton Southport Promenâd, Southport PR8 1RB	Mer 24 Mai	4pm tan 8pm

Digwyddiadau achlysurol

Mae'r rhain yn ddigwyddiadau llai o faint mewn ardaloedd prysur, ond maen nhw'n dal yn ffordd wych o gwrdd â thîm y prosiect a gofyn unrhyw gwestiynau sydd gennych chi.

Lleoliad	Dyddiad	Amser
Llyfrgell Llandudno 48 Stryd Mostyn, Llandudno LL30 2RP	Mer 3 Mai	2pm tan 5pm
Canolfan Groeso'r Rhyl Y Pentref, Rhodfa'r Gorllewin, Y Rhyl LL18 1H	Iau 4 Mai	10am tan 1pm
Llyfrgell Amlwch Lôn Parys, Amlwch LL68 9AB	Sad 6 Mai	10am tan 12pm
Canolfan Hamdden Barrow Park Greengate Street, Barrow-in-Furness LA13 9DT	Iau 11 Mai	10am tan 1pm
Affinity Outlet Shopping Lancashire Anchorage Road, Fleetwood FY7 6AE	Maw 23 Mai	10am tan 1pm
Marchnad Preston 28 Market Street, Preston PR1 2AR	Mer 24 Mai	10am tan 1pm
Waitrose & Partners Formby Three Tuns Lane, Formby, Lerpwl L37 4AJ	Iau 25 Mai	10am tan 1pm
Parc Manwerthu JunctionONE Bidston Moss, Wallasey CH44 2HE	Iau 25 Mai	3pm tan 6pm

Digwyddiad Ar-lein

Os na allwch chi ddod i un o'r digwyddiadau wyneb yn wyneb, gallwch gofrestru i fynychu digwyddiad ar-lein drwy sganio'r cod QR isod, neu drwy fynd i **www.morecambeandmorgan.com/meettheteams/**. Bydd y digwyddiad hwn yn cynnwys cyflwyniad gan dîm y Prosiect a sesiwn holi ac ateb.

Lleoliad	Dyddiad	Amser
Bydd y digwyddiad ar-lein hwn yn cael ei gynnal dros Zoom. Ar ôl i chi gofrestru i fod yn bresennol, byddwch chi'n cael cadarnhad drwy e-bost gyda gwybodaeth am sut i ymuno â'r digwyddiad ar-lein hwn.	Maw 16 Mai	6pm tan 7pm

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Lleoliadau Adneuo

Mae'r rhain yn lleoliadau hygyrch i'r cyhoedd lle gellir gweld copïau wedi'u hargraffu o'r Datganiad o Ymgynghori Cymunedol, llyfryn yr ymgynghoriad, Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a ffurflen adborth. Byddwch chi hefyd yn gallu gweld ein Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol llawn yn ddigidol.

Ynys Manaw

Lleoliadau	Amseroedd agor
Llyfrgell Henry Bloom Noble 8 Duke Street, Douglas, Ynys Manaw IM1 2AY	Llun-Mercher a Gwener: 8.30am tan 5pm Iau: 10am tan 7pm Sad: 9am tan 4pm
Llyfrgell Tref Ramsey Parliament Square, Ramsey, Ynys Manaw IM8 1RT	Llun-Mercher a Sadwrn: 9am tan 4:30pm Gwener: 9am tan 4:00pm

Gogledd-orllewin Lloegr

Lleoliadau	Amseroedd agor
Canolfan Gymunedol Abbots Vale Barrow-in-Furness LA13 9PA	Llun-Gwener: 9am tan 8pm
Prif Lyfrgell Gyhoeddus Barrow-in-Furness Ramsden Square LA14 1LL	Llun-Iau: 9:30am tan 6pm Gwener: 9:30am tan 5pm Sad: 10am tan 4pm
Canolfan Gymunedol Egremont Egremont Mission, Guildford Street, Wallasey CH44 0BP	Llun-Gwener: 9am tan 4pm
Cyngor Tref a Chanolfan Gymunedol Penwortham Kingsfold Drive, Penwortham, Preston PR1 9EQ	Llun-Iau: 10am tan 3pm Gwener: 10am tan Hanner Dydd
Cyngor Dinas Preston Neuadd y Dref, Lancaster Road, Preston PR1 2RL	Llun-Mercher a Gwener: 9am tan 5pm Iau: 10am tan 5pm
Llyfrgell Southport Lord Street, Southport PR8 1DJ	Llun-Gwener: 10am tan 5pm Sad: 10am tan 2pm

Gogledd Cymru

Lleoliadau	Amseroedd agor
Llyfrgell Amlwch Lôn Parys, Amlwch, Ynys Môn LL68 9EA	Maw: 9.30am tan 12.30pm a 2pm tan 5pm Mercher, Gwener, Sadwrn: 9.30am tan 12.30pm Iau: 2pm tan 7pm
Llyfrgell Gyhoeddus Bangor Ffordd Gwynedd, Bangor LL57 1DT	Llun-Mawrth: 9:30am tan 6:30pm Mercher-Gwener: 9:30am tan 5pm Sad: 9:30am tan 1pm
Llyfrgell Llandudno Stryd Mostyn, Llandudno LL30 2RP	Llun-Mercher a Gwener: 9am tan 5:30pm Iau: 10am tan 7pm Sad: 9:30am tan 3pm
Llyfrgell, Amgueddfa a Chanolfan Gelfyddydau'r Rhyl Stryd yr Eglwys, Y Rhyl LL18 3AA	Llun: 9:30am tan 6pm Mawrth-Gwener: 9:30am tan 5pm Sad: 9:30am tan 12.30pm

Gwybodaeth am y Prosiect

Yn y fan agosaf, bydd y Prosiect tua 30km o arfordir Swydd Gaerhirfryn. Pan fydd y fferm wynt yn gwbl weithredol, rhagwelir y bydd yn cynhyrchu capasiti enwol o 480MW ac yn cynhyrchu pŵer adnewyddadwy ar gyfer **dros 500,000 o gartrefi** yn y DU, yn ogystal â darparu dewis ymarferol yn lle gorsafoedd cynhyrchu ynni sy'n cael eu pweru gan danwydd ffosil.

Bydd y prosiect hwn yn chwarae rhan allweddol yn y gwaith o fynd i'r afael â'r newid yn yr hinsawdd drwy wneud y canlynol:

- Cynhyrchu trydan carbon isel o fferm wynt ar y môr i gefnogi datgarboneiddio a diogelwch cyflenwad trydan y DU.
- Manteisio i'r eithaf ar y capasiti cynhyrchu o fewn cyfyngiadau'r safleoedd a'r seilwaith grid sydd ar gael.
- Darparu swm arwyddocaol o ynni gwynt ar y môr i gefnogi targed Sero Net Llywodraeth y DU erbyn 2050 a'r ymrwymiad i ddarparu hyd at 50 gigawat (GW) o ynni gwynt ar y môr erbyn 2030.
- Cyfrannu at gyflawni nodau Strategaeth Diogelwch Ynni y DU.

Ein nodau hefyd yw:

- Cydfodoli a chydweithio â gweithgareddau, datblygwyr a gweithredwyr eraill er mwyn gallu cael cydbwysedd rhwng gwahanol ddefnyddwyr.
- Cyfrannu at yr economi leol, ranbarthol a chenedlaethol drwy fuddsoddi, yn ogystal â chynnig cyfleoedd cyflogaeth a seilwaith newydd yn ystod pob cam o'r prosiect.
- Parhau i gadw costau technegol a datblygu yn isel er mwyn darparu ynni cost isel i ddefnyddwyr a darparu buddion cymunedol er mwyn helpu i gyfrannu at y frwydr yn erbyn tlodi tanwydd.
- Cyd-fynd â'r prif ffactorau sy'n sbarduno diweddariadau i bolisïau cenedlaethol.

Mae union gynllun seilwaith y Prosiect yn dal i gael ei ddatblygu ac ni fydd yn cael ei gwblhau'n derfynol nes bydd yr Arolygiaeth Gynllunio ac Ysgrifennydd Gwladol yr Adran Diogelwch Ynni a Sero Net wedi rhoi caniatâd i'r prosiect. Oherwydd cymhlethdod y Prosiect, mae'n debygol na fyddwn yn gwybod llawer o fanylion ar adeg cyflwyno ein cais, gan gynnwys:

- Nifer, lleoliad a ffurfweddiad y generaduron tyrbinau gwynt, llwyfannau is-orsafoedd ar y môr ac unrhyw ddatblygiad cysylltiedig.
- Math o sylfaen i osod y tyrbinau ac unrhyw ddatblygiad cysylltiedig.
- Union uchder blaen rotorau'r tyrbinau a diamedr y rotorau.

Ewch i **feedback.morecambeandmorgan.com/morecambe/map** neu ewch i dudalennau 12-13 i gael map.

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Gwybodaeth am y prosiect

Mae **Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe** yn fenter ar y cyd rhwng Cobra Instalaciones y Servicios, S.A. (Cobra) a Flotation Energy Ltd i ddatblygu fferm wynt ym Môr Iwerddon.

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe sydd dan sylw yn y llyfryn a'r ymgynghoriad hwn. Dylai pob ymateb i'r ymgynghoriad ymwneud â'r Prosiect hwn **yn unig**. Os ydych chi'n dymuno rhoi adborth ar unrhyw un o ddatblygiadau eraill Rownd 4 Prydlesu Ystad y Goron, ewch i'w gwefannau perthnasol.

Dewis y lleoliad iawn
Fe wnaethom ni gynnal ymarferiad a oedd yn ystyried cyfyngiadau technegol ac amgylcheddol yr ardaloedd a gynigir gan Ystad y Goron yn ei phroses Prydlesu Rownd 4. Dilynwyd hyn gan ddadansoddiad manwl, wedi'i lywio gan beirianwyr, cynllunwyr, gweithwyr proffesiynol cyfreithiol ac amgylcheddol, y defnyddiwyd eu harbenigedd drwy gydol y broses. Hyd yma, mae rhai penderfyniadau dylunio allweddol wedi cael eu gwneud drwy'r broses o ddewis safle, ymgysylltu parhaus, ac adborth gan randdeiliaid, er enghraifft:

- Mae ffin safle'r fferm wynt wedi cael ei dylunio i gydfodoli â'r seilwaith olew a nwy presennol a'i weithrediadau, felly mae'n cyfyngu ar orgyffwrdd â defnyddwyr morol eraill.
- Mae safle'r fferm wynt y tu allan i unrhyw safle sydd wedi'i ddynodi'n amgylcheddol.

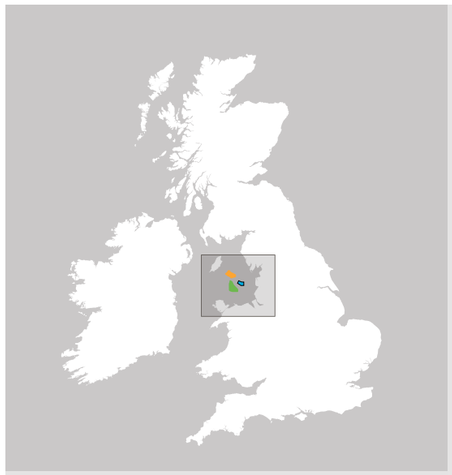
Mae rhagor o wybodaeth ar gael ym Mhennod 4 (Dewis Safle ac Asesu Opsiynau Eraill) yn yr Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol. Bydd proses ddylunio'r Prosiect yn parhau i esblygu drwy astudiaethau technegol ac adborth gan gymunedau a rhanddeiliaid drwy gydol yr ymgynghoriad hwn.

Datblygiadau eraill cyfagos Rownd 4 Prydlesu Ystad y Goron:

Mae **Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo** yn cyfeirio at yr asedau ar y môr ac ar y tir a fydd yn cael eu defnyddio i gludo trydan o Ffermydd Gwynt Alltraeth Morgan a Morecambe i is-orsaf y Grid Cenedlaethol yn Penwortham. Ewch i dudalen 22 neu ewch i **www.morecambeandmorgan.com/transmission** i gael rhagor o wybodaeth.

Mae **Asedau Cynhyrchu Prosiect Gwynt Alltraeth organ** yn fenter ar y cyd rhwng bp ac Energie Baden-Württemberg AG (EnBW) i ddatblygu fferm wynt ym Môr Iwerddon. Ewch i **www.morecambeandmorgan.com/morgan** i gael rhagor o wybodaeth.

Mae **Prosiect Gwynt Alltraeth Mona** yn fferm wynt arall ar y môr sy'n cael ei datblygu gan bp ac EnBW ym Môr Iwerddon, oddi ar arfordir Gogledd Cymru. Ewch i **www.morganandmona.com** i gael rhagor o wybodaeth.

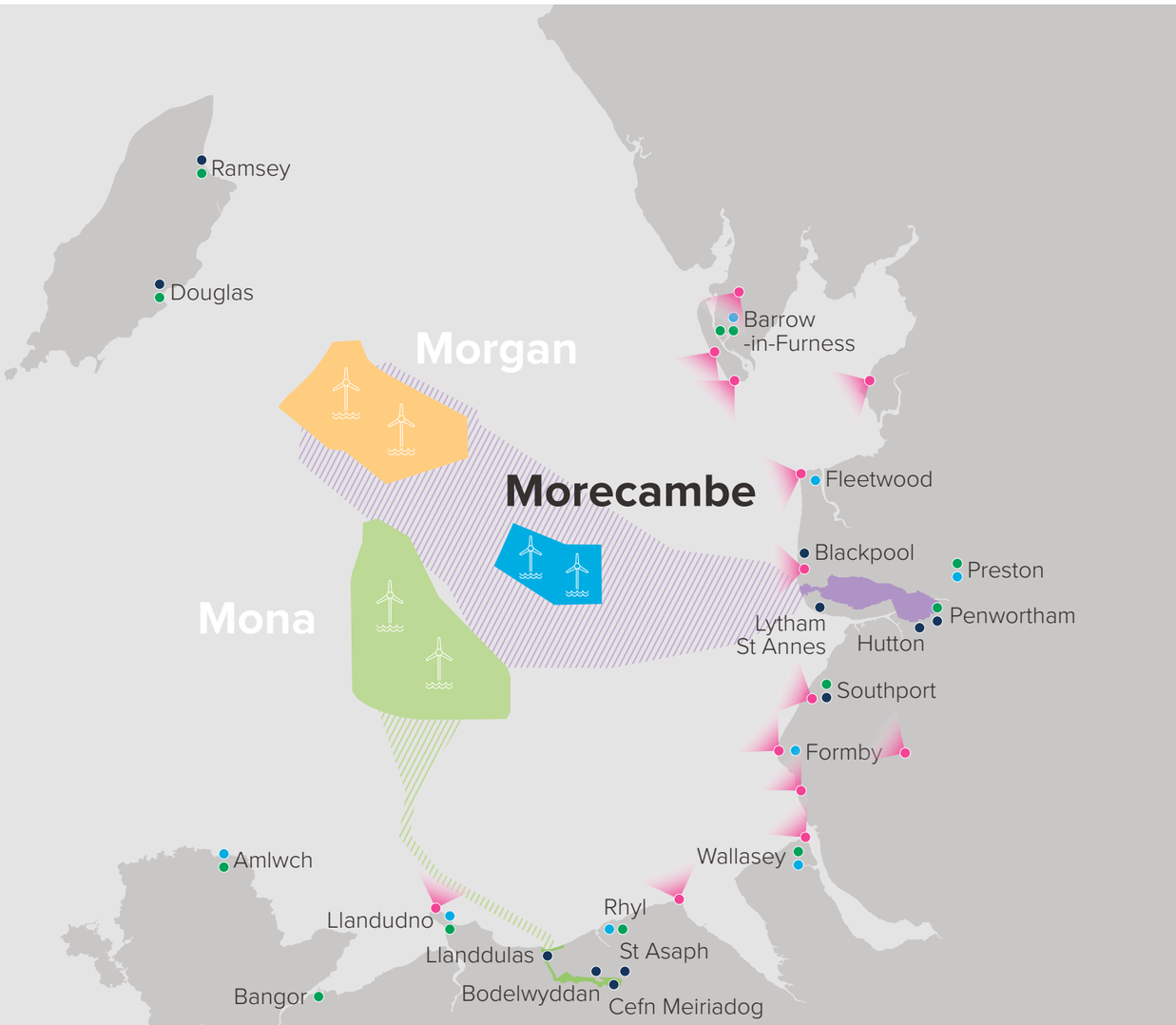


Ardal Morecambe
125km²

Morecambe yn Pweru
500,000
o gartrefi

Lleoliad
30km
oddi ar yr arfordir

Dyfnder y dŵr
18-40m



Ble i gael rhagor o wybodaeth

- Digwyddiadau ymgynghori
- Digwyddiadau dros dro
- Lleoliadau Adneuo
- Delweddau o sut gallai'r fferm wynt edrych. Ewch i **www.morecambeandmorgan.com/morecambe** i weld.

Sut bydd y Prosiect yn edrych

Rydyn ni'n disgwyl i'r Prosiect gynnwys yr elfennau canlynol:

- Hyd at 40 o generaduron tyrbinau gwynt
- Hyd at ddau blatfform is-orsaf ar y môr
- Ceblau cysylltu (rhyng-gysylltu) platfformau
- Ceblau rhyng-arále

Bydd y tyrbinau gwynt a'r platfformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth (a ddangosir isod) ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen.

Bydd ceblau rhyng-arále yn cysylltu'r generaduron tyrbinau gwynt â'i gilydd ac yn cludo ynni adnewyddadwy i'r platfformau is-orsaf ar y môr. Bydd y platfformau'n trosi'r pŵer yn foltedd addas. Yna, bydd hyn yn cael ei drosglwyddo i'r rhwydwaith trosglwyddo trydan drwy is-orsaf bresennol y National Grid yn Penwortham yn Swydd Gaerhirfryn.

I gael rhagor o wybodaeth am yr elfen trosglwyddo o'r prosiect a pham mae angen cais am Orchymyn Cydsyniad Datblygu ar wahân ar gyfer hyn, ewch i **www.morecambeandmorgan.com/transmission** neu ewch i dudalen 22.

Bydd generaduron tyrbinau gwynt yn cael eu gosod mewn rhesi. Amcangyfrifir mai tua 990 metr (0.99 cilomedr) yw'r gofod lleiaf rhwng pob Generaduron Tyrbinau Gwynt unigol mewn rhes. Amcangyfrifir mai tua 1,760 metr (1.76 cilomedr) yw'r gofod lleiaf rhwng pob rhes o Generaduron Tyrbinau Gwynt.

Bydd amodau gwely'r môr a phresenoldeb seilwaith presennol yn dylanwadu ar gynllun terfynol y Generaduron Tyrbinau Gwynt o fewn ffin y safle. Gallai hyn arwain at newidiadau yn y bylchau rhwng tyrbinau a rhesi (fel y disgrifir uchod).

I weld delweddau o sut gallai'r Prosiect edrych o wahanol fannau ar hyd y lan, ewch i **www.morecambeandmorgan.com/morecambe**. Mae rhagor o fanylion ar dudalen X. Cofiwch nad yw'r delweddau wrth raddfa, ac maent at ddibenion enghreifftiol yn unig. Cafodd y delweddau eu creu gan dybio bod gweledded pellter hir yn rhagorol, yn hytrach na'r amodau cyffredin. Gall dyluniad gwirioneddol y Generaduron Tyrbinau Gwynt a'r fferm wynt fod yn wahanol.

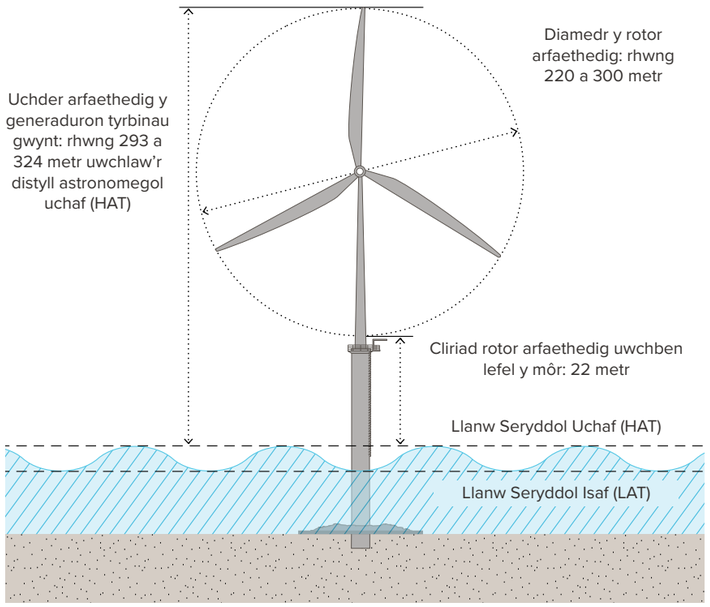
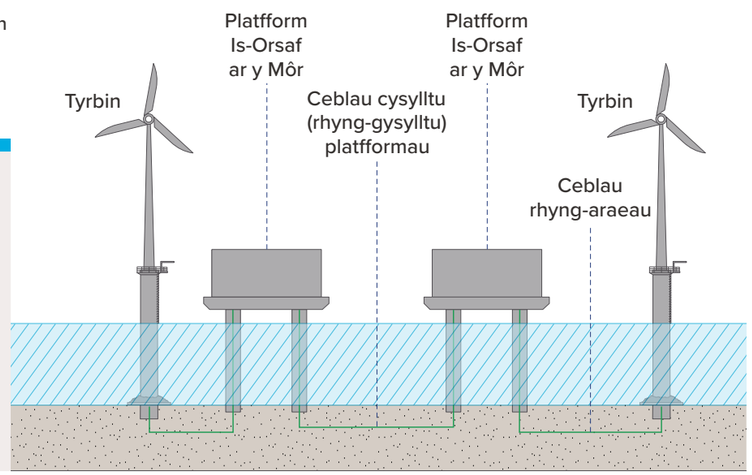


Diagram dangosol o sut gallai Generaduron Tyrbinau Gwynt nodweddiadol edrych. Gall y dyluniad go iawn fod yn wahanol. Nid yw'r ddelwedd uchod wrth raddfa, ac mae at ddibenion enghreifftiol yn unig.



Cydrannau Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe

Mae'r wybodaeth hon yn seiliedig ar ein dealltwriaeth bresennol o'r Prosiect a bydd yn cael ei mireinio cyn cyflwyno ein cais am Orchymyn Cydsyniad Datblygu. Mae'r niferoedd hyn yn seiliedig ar dybio y bydd 480MW o drydan yn cael ei gynhyrchu.

Ffeithiau cyflym: Generaduron tyrbinau gwynt

- Nifer arfaethedig y generaduron tyrbinau gwynt: **hyd at 40**
- Diamedr y rotor arfaethedig: **rhwng 220 a 300 metr**
- Uchafswm uchder uchaf arfaethedig y tyrbin gwynt: **345 metr uwchlaw'r distyll astronegol uchaf**
- Ystod cyflymder rotor enghreifftiol: **rhwng 6 a 10 cylchdro y funud (RBM)**
- Cliriad rotor isaf uwchben lefel y môr: **22 metr**

Ffeithiau cyflym: Platfformau is-orsaf ar y môr

- Uchafswm arfaethedig nifer y platfformau is-orsaf ar y môr: **2**
- Uchafswm arfaethedig lled y rhan (ystyr 'rhan uchaf' yw'r deciau sy'n cael eu cynnal gan y strwythur sylfaen y caiff y cyfarpar ei osod arno): **55 metr**
- Hyd mwyaf y rhan uchaf arfaethedig: **80 metr.**
- Pwynt uchaf y rhan uchaf arfaethedig (uwchlaw'r distyll astronomegol isaf), heb gynnwys y lanfa i hofrenyddion a'r deunydd amddiffyn rhag mellt: **115 metr**

Ffeithiau cyflym: Ceblau rhyng-arále

Mae'r rhain yn cael eu gosod i gysylltu Generaduron Tyrbinau Gwynt unigol a hefyd i gysylltu generaduron y tyrbinau gwynt â'r platfformau is-orsaf ar y môr.

- Uchafswm lled arfaethedig yr aflonyddwch o ganlyniad i baratoi, gosod a chladdu ceblau rhyng-aerau o dan wely'r môr: **25 metr**
- Ystod dyfnder arfaethedig ar gyfer claddu ceblau rhyng-arále: **0.5 i 3 metr (dyfnder targed o 1.5m)**
- Uchafswm hyd ceblau rhyng-arae yw **110km**. Ar y mwyaf, rydyn ni'n rhagweld y bydd angen i **10%** o'r cebl gael ei ddiogelu a chebl oherwydd cyflwr y tir (11km).

Ffeithiau cyflym: Ceblau cysylltu (rhyng-gysylltu) platfformau

Os bydd angen dau blatfform is-orsaf ar y môr ar gyfer y prosiect, bydd angen ceblau cysylltu platfformau i gysylltu pob platfform er mwyn gallu trosglwyddo trydan. Byddai'r rhain hefyd yn sicrhau bod modd parhau i drosglwyddo trydan os digwydd i gebl neu blatfform fethu'n annisgwyl.

- Uchafswm arfaethedig nifer y ceblau (a'r ffosydd): **2**
- Hyd mwyaf arfaethedig y cebl (fesul cebl): **5 cilometr**
- Cyfanswm hyd ceblau cysylltu platfformau yw 10km. Ar y mwyaf, rydyn ni'n rhagweld y bydd angen i **10%** o'r cebl gael ei ddiogelu oherwydd cyflwr y ddaear (1km).

I gael rhagor o wybodaeth am sut rydyn ni'n bwriadu adeiladu'r Prosiect, edrychwch ar bennod 5 (disgrifiad o'r prosiect) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Ein gwaith hyd yma

Ym mis Mehefin 2022 fe wnaethom ni gyhoeddi Adroddiad Cwmpasu a oedd yn amlinellu'r hyn roeddem yn ei ddeall, ar y pryd, fel effeithiau tebygol y prosiect ar yr amgylchedd a sut byddem yn asesu'r rheini. Ar ôl cyhoeddi ein Hadroddiad Cwmpasu, cawsom Farn Gwmpasu gan yr Ysgrifennydd Gwladol, a ddarparwyd ym mis Awst 2022.

Ers hynny, rydyn ni wedi bod yn cynnal amrywiaeth o asesiadau amgylcheddol er mwyn deall effeithiau posibl y prosiect yn well. Rydyn ni hefyd yn parhau i ymgysylltu â rhanddeiliaid i ddeall yn fanylach y maes rydyn ni'n bwriadu gweithio ynddo.

Mae ein hasesiadau amgylcheddol yn cael eu cynnal gan ddefnyddio amrywiaeth eang o ffynonellau data, gan gynnwys arolygon sy'n benodol i'r prosiect. Hyd yma, rydyn ni wedi cynnal yr arolygon canlynol:

- **Arolygon geoffisegol** – i wahaniaethu rhwng nodweddion ffisegol y safle, yr arwyneb a'r is-wyneb.
- **Arolygon benthig** – i ganfod a mapio unrhyw gynefinoedd. Crewyd fideos a chasglwyd samplau o waddodion.
- **Arolygon o'r awyr** – i gofnodi'r amrywiaeth o rywogaethau a niferoedd adar a mamaliaid morol ar draws y safle. Hyd yma, rydyn ni wedi prosesu gwerth blwyddyn o ddata ac mae gennym werth blwyddyn arall o ddata a fydd yn bwydo i mewn i'n hasesiad terfynol.
- **Ffotograffau golygfan** – i ddadansoddi'r golygfeydd presennol o'u cymharu â safbwyntiau dangosol y Prosiect arfaethedig.
- **Arolygon traffig llongau morol** – cynhaliwyd dau arolwg ar y môr yn para 14 diwrnod i gofnodi gweithgarwch morgludo yn yr ardal o amgylch y Prosiect.

Gan ddefnyddio'r ystod eang o ddata a gasglwyd, rydyn ni wedi cynhyrchu Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol (PEIR). Mae'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol yn rhoi crynodeb o'r Prosiect, y broses o ddewis safle, datblygiad dylunio peirianyddol a chanfyddiadau allweddol y broses Asesiad o'r Effaith Amgylcheddol hyd yma.

Pwrpas yr Asesiad o'r Effaith Amgylcheddol yw galluogi rhanddeiliaid i ddatblygu barn wybodus am y datblygiad, fel sy'n ofynnol o dan Reoliadau Cynllunio Seilwaith (Asesiad o'r Effaith Amgylcheddol) 2017 (Rheoliadau'r Asesiad o'r Effaith Amgylcheddol 2017).

Mae'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol yn ymdrin hefyd ag amrywiaeth gynhwysfawr o bynciau amgylcheddol. Mae'n cyflwyno asesiadau ac effeithiau posibl a nodwyd yn y Farn Gwmpasu a gafwyd gan yr Arolygiaeth Gynllunio. Drwy gydol ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol, rydyn ni wedi nodi sut aethom i'r afael â'r sylwadau sydd wedi'u cynnwys yn y Farn Gwmpasu. Mae amrywiaeth eang o ddadansoddiadau wedi ategu'r asesiadau, gan gynnwys:

- **Modelu sŵn o dan y dŵr** – deall yr effeithiau, yn enwedig yn y cam adeiladu yn ystod gweithgareddau a allai fod yn swnllyd (fel gosod seilbyst).
- **Modelu risg gwrthdrawiadau** – i ragweld nifer yr adar a fyddai mewn perygl o ddod ar draws tyrbinau neu lafnau rotor.
- **Modelu llinell olwg radar** – yn nodi'r radarau sy'n debygol o ganfod y Prosiect.
- **Asesiad risg mordwyol** – a gynhaliwyd ar gyfer y Prosiect ochr yn ochr â Phrosiectau cyfagos eraill er mwyn nodi ac asesu'r peryglon a'r risgiau sy'n effeithio ar fordwyo llongau.

Mae ein gwaith asesu hyd yma wedi cael ei lywio a'i oleuo drwy ymgysylltu â nifer o randdeiliaid technegol. Bydd hyn yn parhau wrth i'r Prosiect ddatblygu.

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Daeth yr asesiadau ar gyfer y rhan fwyaf o bynciau i'r casgliad na fydd y Prosiect yn arwain at effeithiau sylweddol, ar ei ben ei hun nac wrth ystyried y Prosiect ochr yn ochr â gweithgareddau, cynlluniau a phrosiectau eraill. Bydd angen cytuno ar fesurau lliniaru penodol a nodwyd, a'u datblygu ymhellach gyda rhanddeiliaid.

Ar gyfer pynciau lle nodwyd effeithiau sylweddol, mae rhagor o waith dadansoddi ac asesiadau wrthi'n cael eu gwneud.

Mae'r canfyddiadau wedi'u nodi ym mhob pennod o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol, ac wedi cael eu crynhoi yn y Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol, gyda gwybodaeth am rai o'r pynciau yma:

Adareg

Mae'r asesiad o adar y môr yn y cam adeiladu yn cynnwys aflonyddwch a dadleoliad ac effeithiau anuniongyrchol ar gynefinoedd a rhywogaethau ysglyfaeth, gan gynnwys rhywogaethau sensitif fel y trochydd gyddfgoch (yn y llun). Ar ben hynny, yn ystod y camau gweithredu a chynnal a chadw, mae'r effeithiau posibl hefyd yn cynnwys risg o wrthdaro.

Ni nodwyd unrhyw effeithiau arwyddocaol ar gyfer y Prosiect yn unig. Roedd hyn yn cynnwys unrhyw risg o wrthdaro â thyrbinau, yr asesir nad yw'n fwy na bach, ac nad yw'n arwyddocaol, ar gyfer yr holl rywogaethau a gofnodwyd yn hedfan ar safle'r fferm wynt. Mae hyn yn cynnwys y rhywogaethau mwyaf sensitif, fel hugan, gwylan goesddu (yn y llun), gwylan y gweunydd, gwylan y penwaig, gwylan gefnddu leiaf a gwylan gefnddu fwyaf.

Pan fydd yr asesiad yn cynnwys cynlluniau a phrosiectau eraill yn yr ardal, bydd yn cael ei ystyried yn fanylach wrth i'r Asesiad o'r Effaith Amgylcheddol fynd rhagddo a phan fydd yr holl ddata ar gael.

Nodweddion economaidd-gymdeithasol, twristiaeth a hamdden

Roedd ein hasesiad yn defnyddio amrywiaeth o ystadegau a oedd ar gael i'r cyhoedd ar gyfer ardal yr astudiaeth leol: Lerpwl, Halton, Sefton, Cilgwri, Copeland, South Lakeland, Barrow-in-Furness, Blackpool, Fylde, Caerhirfyn, Gorllewin Swydd Gaerhirfryn, Wyre, Caer a Gorllewin Swydd Gaer, Sir Ddinbych a Sir y Fflint, yn ogystal â'r DU yn gyffredinol.

Ni nodwyd unrhyw effeithiau sylweddol ar yr economi dwristiaeth, gweithgareddau hamdden nac asedau cymunedol.

Gallai manteision posibl ddeillio o gynnydd mewn gwariant, a hwb i'r economi yn sgil hynny yn ystod y gwaith o adeiladu, gweithredu a chynnal a chadw'r Prosiect.

Mae potensial am hwb i greu cyfleoedd cyflogaeth yn ystod cyfnod adeiladu'r Prosiect.

Mamaliaid morol

Mae ein gwaith hyd yma wedi ein galluogi i ganfod y mamaliaid morol mwyaf perthnasol yn yr ardal, gan gynnwys y llamhidydd (yn y llun), dolffin trwyn potel, dolffin cyffredin, dolffin Risso, dolffin pigwyn, morfil pigfain, morlo llwyd a morlo cyffredin.

Cynhaliwyd gwaith modelu sŵn o dan y dŵr er mwyn deall yn well pa ddylanwad y mae effeithiau sŵn tanddwr yn ei gael ar famaliaid morol.

Canfu'r asesiadau mai dim ond 'mân niweidiol' oeddent, gyda mesurau lliniaru ar gyfer y Prosiect yn unig. A byddai effeithiau 'nad ydynt yn arwyddocaol' ar famaliaid morol.

Pan fydd yr asesiad yn cynnwys cynlluniau a phrosiectau eraill yn yr ardal, bydd yn cael ei ystyried yn fanylach wrth i'r Asesiad o'r Effaith Amgylcheddol fynd rhagddo a phan fydd yr holl ddata ar gael.

Asesiad o'r Effaith Weledol a'r Effaith ar y Morwedd a'r Tirwedd (SLVIA)

Ar gyfer yr asesiadau, roedd ardal yr astudiaeth yn cynnwys Cumbria, Swydd Gaerhirfryn a Glannau Mersi yn Lloegr; ardal diriogaethol ddeheuol, gan gynnwys Sir y Fflint, Sir Ddinbych, Conwy, Gwynedd ac Ynys Môn yng Nghymru; ac ardal orllewinol ar y môr, a ddiffinnir gan ddyfroedd Môr Iwerddon ac Ynys Manaw.

Roedd yr asesiadau'n nodi bod y rhan fwyaf o olygfeydd o'r Prosiect naill ai'n bell a / neu'n cael eu dominyddu gan ffermydd gwynt sydd eisoes ar y môr. Mae'r ardaloedd sy'n cael yr effeithiau gweledol mwyaf, yr ystyrir eu bod yn arwyddocaol, wedi'u cyfyngu i ardaloedd ar hyd arfordir Fylde a Sefton.

Er bod effeithiau lleol ar olygfeydd o'r rhan hon o'r arfordir, ni fydd yr effeithiau ond yn digwydd yn ystod cyfnodau prin o weledded pellter hir rhagorol, ac ni fyddant yn digwydd yn ystod y rhan fwyaf o amodau cyffredin.

Nid yw'r wybodaeth yn y llyfryn hwn yn gwbl gynhwysfawr nac yn cynrychioli'r holl waith rydyn ni wedi'i wneud.

Mae rhagor o wybodaeth fanwl am yr holl asesiadau a gynhaliwyd a'r canlyniadau dilynol ar gael yn ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Rhyngweithio â defnyddwyr morol eraill

Rydyn ni wedi cynnal amrywiaeth o asesiadau yn ardal ein hastudiaeth i weld sut gallai safle ein fferm wynt arfaethedig effeithio o bosibl ar ddefnyddwyr a diwydiannau eraill. Er enghraifft, pysgodfeydd masnachol, seilwaith olew a nwy, morgludo a mordwyo.

Isod, rydyn ni wedi rhoi trosolwg o ganlyniadau'r asesiadau hyn. Mae rhagor o wybodaeth fanwl am yr asesiadau a gynhaliwyd a'r canlyniadau dilynol ar gael ym mhenodau 13 (caniatáu masnachol), 14 (morgludiant a mordwyo), 16 (awyrennau a radar) ac 17 (seilwaith a defnyddwyr eraill) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol ac yn y Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Pysgodfeydd masnachol

Mae gweithgarwch pysgota masnachol wedi cael ei nodweddu gan ystadegau glanio, monitro cychod, data gwyliadwriaeth, ac ymgynghori â'r diwydiant pysgota. Ar sail dadansoddiad o leoliad safle'r fferm wynt, disgwylir y bydd y gweithgarwch pysgota'n cael ei ddominyddu gan longau mwy o faint yn chwilota am wichiaid.

Gyda mesurau lliniaru ar gyfer y cyfnod adeiladu, aseswyd mai bach yw effeithiau'r Prosiect. Wrth ystyried cynlluniau a phrosiectau eraill yn yr ardal, bydd angen asesiad pellach.

Bydd y Prosiect yn parhau i ymgysylltu â rhanddeiliaid yn y rhanbarth sy'n ymwneud â physgodfeydd masnachol ac yn ystyried sut gallwn ni liniaru rhagor ar unrhyw effeithiau posibl.

Morgludo a mordwyo

Yn ardal yr astudiaeth, mae data'n dangos bod llongau gwasanaeth sy'n gysylltiedig â'r ffermydd gwynt alltraeth presennol a seilwaith olew a nwy yn gyfrifol am gyfran fawr o symudiadau llongau. Mae llongau mawr sy'n pasio drwy safle'r fferm wynt yn gychod fferi a llongau gwasanaeth yn bennaf, ynghyd â nwyddau masnachol.

Mae llwybrau tanceri yn brin yn safle'r fferm wynt. Cafodd pedwar prif cwmni eu nodi yn nwyrain Môr Iwerddon drwy ein hasesiadau:

Yr olygfa dros Harbwr Douglas, Ynys Manaw

- **Isle of Man Steam Packet Company**, sy'n gweithredu rhwng Douglas, Lerpwl a Heysham.
- **Seatruck**, sy'n gweithredu rhwng Heysham, Lerpwl, Warrenpoint a Belfast.
- **Stena**, sy'n gweithredu rhwng Lerpwl, Heysham a Belfast.
- **P&O**, sy'n gweithredu rhwng Lerpwl a Dulyn.

Canfu ein hasesiadau y byddai ein Prosiect yn effeithio ar lwybrau fferi Lerpwl i Douglas a Lerpwl i Belfast, ond dim ond llwybr Lerpwl i Belfast fyddai angen pellter teithio ychwanegol o ganlyniad i'r Prosiect. Aseswyd nad oedd effeithiau'r Prosiect yn unig yn arwyddocaol. Fodd bynnag, nodwyd mesurau lliniaru er mwyn lleihau rhagor ar yr effeithiau hyn.

Wrth ystyried y Prosiect gyda chynlluniau eraill a phrosiectau cyfagos, nodwyd effeithiau arwyddocaol. Drwy ymgysylltu'n barhaus â rhanddeiliaid a rheoleiddwyr, byddwn ni'n ceisio rhoi mesurau lliniaru addas ar waith ac archwilio mesurau ychwanegol posibl cyn datblygu ein Datganiad Amgylcheddol a chyflwyno ein cais am Orchymyn Cydsyniad Cynllunio.

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Eich adborth

Byddem ni'n falch o gael eich adborth ar y gwaith rydyn ni wedi'i wneud ar ein Prosiect hyd yma. Mae hyn yn cael sylw cyffredinol yn y llyfryn hwn ac yn fanylach yn ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol yn ymdrin ag amrywiaeth gynhwysfawr o bynciau amgylcheddol y cafodd effeithiau posibl eu hasesu ar eu cyfer. Mae'r rhain wedi cael eu rhestru isod, gyda rhif pennod gyfatebol yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol lle gallwch chi gael rhagor o wybodaeth. Nid oes angen cyfyngu eich adborth i'r meysydd a restrir ar y dudalen hon.

Mae **daeareg forol, eigioneg a phrosesau ffisegol** yn cynnwys asesu safleoedd, nodweddion a chynefinoedd gwarchodedig yn ardal yr astudiaeth, yn ogystal â phrosesau fel tonnau a llanw a symudiad gwaddod. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 11 (mamaliaid morol) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Gwaddodion morol ac ansawdd dŵr. Mae'n ystyried effeithiau i'r golofn ddŵr ac i wely'r môr. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 8 (gwaddodion morol ac ansawdd dŵr) yn ein Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **ecoleg fenthig** yn ystyried yr effeithiau ar y cynefinoedd a'r rhywogaethau ar wely'r môr. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 9 (ecoleg fenthig) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **ecoleg pysgod a physgod cregyn** yn ystyried yr effeithiau ar rywogaethau sy'n byw yn y golofn ddŵr, yn ogystal â'r rheini ar wely'r môr, gan gynnwys effeithiau sŵn Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 10 (ecoleg pysgod a physgod cregyn) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **mamaliaid morol** yn cynnwys asesiad o'r effeithiau ar y llamhidydd, dolffin trwyn potel, morfil pigfain, morlo llwyd (a mwy), gan gynnwys sŵn tanddwr.

Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 11 (mamaliaid morol) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **adareg ar y môr** yn ystyried yr asesiad o adar môr, gan gynnwys effeithiau fel risg o wrthdaro a dadleoli. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 12 (adareg ar y môr) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **pysgodfeydd masnachol** yn ystyried y gweithgareddau pysgota presennol a'r effeithiau ar y diwydiant pysgota. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 13 (pysgodfeydd masnachol) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **morgludo a mordwyo** yn ystyried effeithiau ar gludo pobl (nid ar bobl) a nwyddau (yn fasnachol ac yn hamdden). Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 14 (morgludo a mordwyo) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **archaeoleg a threftadaeth ddiwylliannol ar y môr yn** ystyried y dirwedd hanesyddol a nodweddion gwely'r môr sydd o ddiddordeb archeolegol, fel llongddrylliadau o darddiad morol neu hedfan, yn ogystal â gosod asedau hanesyddol ar y tir. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 15 (archeoleg a threftadaeth ddiwylliannol ar y môr) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **awyrennau sifil a milwrol a radar** yn ystyried yr effeithiau ar awyrennau sifil a milwrol a chyfleusterau radar, a theithiau awyrennau adenydd sefydlog a hofrenyddion ar y môr. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 16 (awyrennau sifil a milwrol a radar) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Mae **seilwaith a defnyddwyr eraill** yn ystyried effeithiau rhyngweithio â gweithgareddau a defnyddwyr eraill, er enghraifft, seilwaith olew a nwy ar y môr, ceblau telegyfathrebu a rhyng-gysylltu, datblygiadau ffermydd gwynt eraill ar y môr a hamdden morol. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 17 (seilwaith) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

- Mae'r **Asesiad o'r Effaith Weledol a'r Effaith ar y Morwedd a'r Tirwedd (SLVIA)** yn ystyried hyd a lled y golygfeydd o'r Prosiect, yn ogystal â'r effeithiau ar gymeriad y dirwedd. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 18 (SLVIA) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.
- **Iechyd pobl**, asesiad o weithgareddau a allai effeithio ar iechyd corfforol neu iechyd meddwl. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 19 (iechyd pobl) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.
- Mae **nodweddion economaidd-gymdeithasol, twristiaeth a hamdden** yn ystyried yr effeithiau ar yr economi ac asedau cymunedol. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 20 (nodweddion economaidd-gymdeithasol, twristiaeth a radar??) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.
- Mae **newid yn yr hinsawdd** yn ystyried yr effeithiau ar yr hinsawdd fyd-eang, gan gynnwys asesiad o allyriadau'r Prosiect yn ystod y cam adeiladu. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 21 (newid yn yr hinsawdd) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.
- Mae **traffig a thrafnidiaeth** yn ystyried y fframwaith ar gyfer asesu ar y tir a nodwyd , gan nodi nad yw'r asesiad yn cael ei gynnal yn fanwl nes bydd y porthladd(oedd) sy'n gwasanaethu'r Prosiect wedi'u dewis. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 22 (traffig a thrafnidiaeth) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Rydyn ni hefyd yn annog adborth ar y canlynol:

- Ein gwaith ar **ddeall cyfyngiadau technegol ac amgylcheddol yr ardaloedd a gynigir i ni gan Ystad y Goron fel rhan o'i phroses brydlesu**. Bu'r gwaith hwn yn sail i'n penderfyniad i leoli'r Prosiect yn yr ardal a ddangosir ar y map ar dudalennau 12-13. Mae'r cyfyngiadau a ddadansoddwyd ac a ystyriwyd yn cynnwys dyfnderoedd dŵr, capasiti gwynt, uchder tonnau, amodau gwely'r môr, a lleoliad cysylltiad posib ar y tir a chyfleusterau porthladd morol (ymhlith pethau eraill). Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 4 (dewis safle ac asesu opsiynau eraill) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.
- **Buddion cymunedol**. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 20 (nodweddion economaidd-gymdeithasol, twristiaeth a hamdden) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.
- **Unrhyw wybodaeth a allai ein helpu i gynllunio ar gyfer y gwaith adeiladu**. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 5 (disgrifiad o'r prosiect) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.
- **Sut gallwn ni helpu i gefnogi creu swyddi**. Edrychwch ar ein Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol a phennod 20 (nodweddion economaidd-gymdeithasol, twristiaeth a hamdden) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Os bydd angen mireinio'r Prosiect o ganlyniad i'r adborth a gawn, bydd y rhain yn cael sylw yn ein Datganiad Amgylcheddol, a fydd yn rhan bwysig o'n cais am Orchymyn Cydsyniad Datblygu. Edrychwch ar dudalen 23 i gael rhagor o wybodaeth am y camau nesaf y tu hwnt i'r ymgynghoriad hwn.

Beth yw Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo

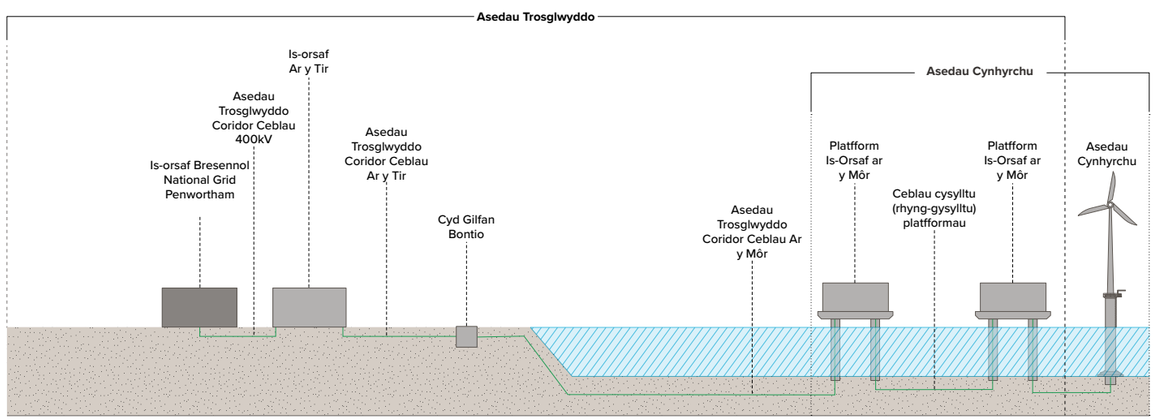
Mae Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo yn cyfeirio at yr asedau ar y môr ac ar y tir a fydd yn cael eu defnyddio i gludo trydan o **Fferm Wynt Alltraeth Morecambe a Phrosiect Gwynt Alltraeth Morgan** i is-orsaf y National Grid yn Penwortham.

Mae Prosiect Gwynt Alltraeth Morgan yn fferm wynt arfaethedig arall sydd i gael ei lleoli ym Môr Iwerddon ac sydd hefyd angen ei gais am Orchymyn Cydsyniad Datblygu ei hun. Gyda'i gilydd, bydd Fferm Wynt Alltraeth Morecambe a Phrosiect Gwynt Alltraeth Morgan yn cynhyrchu bron i 2GW o ynni.

Cafodd y ddau brosiect eu cwmpasu yn y ffrwd waith Llwybr at 2030 o dan yr Adolygiad o'r Rhwydwaith Trosglwyddo ar y Môr. Fel rhan o'r adolygiad hwn, roedd National Grid wedi asesu opsiynau i wella'r gwaith o gydlynu cysylltiadau cynhyrchu ynni gwynt ar y môr a rhwydweithiau trosglwyddo. Ym mis Gorffennaf 2022, cyhoeddodd Llywodraeth y DU ddogfennau Cynllunio Rhwydwaith Cyfannol Llwybr at 2030, a oedd yn nodi'r dull gweithredu ar gyfer cysylltu 50GW o ynni gwynt ar y môr â rhwydwaith trydan y DU. Daeth allbwn y broses hon i'r casgliad y dylai Fferm Wynt Alltraeth Morecambe a Phrosiect Gwynt Alltraeth Morgan weithio ar y cyd i gysylltu'r ffermydd gwynt â'r grid cenedlaethol yn Penwortham yn Swydd Gaerhirfryn.

Felly, mae'r ddau brosiect yn bwriadu cyflwyno un cais ar gyfer yr asedau trosglwyddo, sy'n cynnwys ceblau allforio, is-orsaf ar y tir a cheblau ar y tir. Bydd yr asedau trosglwyddo hyn yn gysylltiedig â Fferm Wynt Alltraeth Morecambe a Phrosiect Gwynt Alltraeth Morgan.

Fferm Wynt Alltraeth Morecambe Asedau Cynhyrchu sydd dan sylw yn y llyfryn a'r ymgynghoriad hwn. Dylai pob ymateb i'r ymgynghoriad ymwneud â'r prosiect hwn ***yn unig***. Os ydych chi'n dymuno rhoi adborth ar unrhyw un o'r prosiectau eraill, ewch i'w gwefannau perthnasol.



Mae'r diagram dangosol hwn yn dangos pa ran o'r prosiectau sy'n cael eu dosbarthu fel asedau cynhyrchu (Fferm Wynt Alltraeth Morecambe a Phrosiect Alltraeth Morgan) a pha rannau sy'n cael eu dosbarthu fel asedau trosglwyddo (Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo).

Y camau nesaf

Daw'r ymgynghoriad hwn i ben am **hanner nos ar 4 Mehefin 2023.** Ar ôl i'r ymgynghoriad ddod i ben, byddwn ni'n ystyried yr holl ymatebion a ddaeth i law yn ofalus wrth i ni ddatblygu ein cynigion ymhellach ac yn paratoi i gyflwyno ein cais am Orchymyn Cydsyniad Datblygu i'r Arolygiaeth Gynllunio a'r Ysgrifennydd Gwladol.

Bydd ein cais yn cynnwys:

- Adroddiad Ymgynghori, a fydd yn cael ei lunio ac yn nodi sut mae adborth o ymgynghoriadau statudol ac anstatudol wedi siapio dyluniad y datblygiad arfaethedig. Bydd yn cynnwys crynodeb o'r ymatebion i'r ymgynghoriad, gan gynnwys sut cafodd yr adborth hwn ei ystyried a sut y gellid ei ddefnyddio. Bydd hefyd yn manylu ar y broses ymgynghori, gan ddangos sut cafodd ei chynnal yn unol â'r Datganiad hwn, a sut roedd yn bodloni'r holl ofynion cyfreithiol.
- Datganiad Amgylcheddol yn nodi'r ystyriaethau amgylcheddol ar gyfer y Prosiect a sut gallem ystyried eu lliniaru.

Bydd y cais am Orchymyn Cydsyniad Datblygu yn cael ei gyflwyno i'r Arolygiaeth Gynllunio a'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net. Rydyn ni'n disgwyl cyflwyno ein cais yn 2024.

Os derbynnir y cais am Orchymyn Cydsyniad Datblygu, bydd cam cyn-archwilio yn dechrau, gyda chyfleoedd i aelodau'r gymuned leol gofrestru fel parti â diddordeb ar wefan yr Arolygiaeth Gynllunio a gwneud cais i gymryd rhan yn y broses archwilio.

Yna, bydd yr Arolygiaeth Gynllunio yn archwilio'r cais am Orchymyn Cydsyniad Datblygu, gyda mewnbwn gan bartïon sydd â diddordeb ac ymgyngoreion statudol. Mae'r cyfnod archwilio yn uchafswm o chwe mis.

Ar ôl yr archwiliad, bydd yr Arolygiaeth Gynllunio yn cyflwyno ei hargymhelliad i'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net, a fydd wedyn yn gwneud y penderfyniad terfynol ynghylch a ddylid caniatáu'r Gorchymyn Cydsyniad Datblygu ai peidio. Rydyn ni'n rhagweld y bydd penderfyniad terfynol yn cael ei wneud ar ein cais yn 2025.

Yn y cyfamser, byddwn ni'n parhau i ymgysylltu â rhanddeiliaid ac yn cynnal rhagor o asesiadau technegol i helpu i ddylanwadu ar ddyluniad y Prosiect gorau posibl.

Gan gymryd y bydd y cais am Orchymyn Cydsyniad Datblygu yn llwyddiannus, rydyn ni'n disgwyl dechrau'r gwaith adeiladu yn 2026 ar y cynharaf.

Os bydd angen i'r Prosiect, o ganlyniad i'r adborth a gafwyd yn ystod yr ymgynghoriad hwn, newid i'r graddau bod angen cynnal ymgynghoriad pellach, bydd hyn yn cael ei wneud yn unol â'r egwyddorion a nodir yn y Datganiad hwn ac yn cael ei dargedu'n ddaearyddol, neu fesul grŵp, fel sy'n briodol i'r newid.

Caiff popeth sy'n wyrdd ei egluro yn ein geirfa ar dudalen 26.

Indicative timeline

2022

Gwaith arolygon technegol ac amgylcheddol sy'n mynd ymlaen

Ymgynghoriad anstatudol ar ffermydd gwynt alltraeth Morecambe a Morgan.

2023

Ymgynghoriad statudol ar Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe.

2024

Cyflwyno cais am Orchymyn Cydsyniad Datblygu.

2026

Y dyddiad cynharaf y disgwylir i'r gwaith adeiladu ddechrau.

2028/29

Dyddiad dechrau disgwyliedig – Gweithredu Masnachol Dyddiad (Dyddiad Gweithredu Masnachol).

Cywir adeg cyhoeddi: Ebrill 2023. Sylwch mai amserlen ddangosol yw hon a gallai newid.

Delweddau o’r Prosiect arfaethedig

Nid ydym wedi penderfynu eto ar faint, nifer a lleoliad ein tyrbinau. Ond yn y cam cynnar hwn rydyn ni wedi creu delweddau dangosol i ddangos golygfeydd posibl o’r Prosiect o amrywiaeth o fannau ar y tir.

Ewch i **www.morecambeandmorgan.com/morecambe** i weld y delweddau hyn yn fanylach.

Gan ddefnyddio’r map ar-lein, cliciwch ar yr eiconau marcio lleoliad ar hyd arfordir y gogledd-orllewin. Bydd hyn yn creu delweddau i ddangos yr olygfa, gan gynnwys y seilwaith presennol a sut gallai’r olygfa edrych ar ôl adeiladu’r Prosiect.

Mae’r eiconau’n cynrychioli gwahanol leoliadau ar y lan y gallai’r Prosiect fod yn weladwy ohonynt.

Cofiwch mai at ddibenion enghreifftiol yn unig y mae’r delweddau hyn, ac nid ydynt ar raddfa fawr.

Fodd bynnag, ni fydd yr effeithiau hyn ond yn digwydd yn ystod cyfnodau anaml o welededd rhagorol, pellter hir, ac ni fyddant yn digwydd yn ystod y rhan fwyaf o amodau a chyfnodau pan fo'r gwelededd yn is.

Geirfa

Adolygiad o'r Rhwydwaith Trosglwyddo ar y Môr
Roedd yr adolygiad yn edrych ar y ffordd mae'r rhwydwaith trosglwyddo ar y môr yn cael ei ddylunio a'i ddarparu, sy'n cyd-fynd â'r uchelgais i sicrhau allyriadau sero net erbyn 2050. Ffynhonnell: www.gov.uk/government/groups/offshore-transmission-network-review

Adroddiad Cwmpasu
Mae Adroddiad Cwmpasu yn nodi'r cynnwys arfaethedig, y methodolegau i'w mabwysiadu, a'r effeithiau amgylcheddol arwyddocaol tebygol a ragwelir y bwriedir eu hystyried yn yr Asesiad o'r Effaith Amgylcheddol (gweler uchod). Mae'n cefnogi cais gan y prosiect am Farn Gwmpasu ysgrifenedig (gweler uchod) gan yr Arolygiaeth Gynllunio, ar ran yr Ysgrifennydd Gwladol. Mae ein Hadroddiad Cwmpasu ar gael i'w ddarllen yn **www.morecambeandmorgan.com/morecambe**.

Adran Diogelwch Ynni a Sero Net
Mae'r Adran Diogelwch Ynni a Sero Net yn canolbwyntio ar y portffolio ynni, a chafodd ei chreu ar ôl diddymu'r Adran Busnes, Ynni a Strategaeth Ddiwydiannol.

Adroddiad Gwybodaeth Amgylcheddol Rhagarweiniol
Mae hwn yn disgrifio'r Prosiect ac yn nodi ei effeithiau posibl, gan ystyried yr effeithiau amgylcheddol, cymdeithasol ac economaidd, a'r mesurau lliniaru a gynigir i leihau unrhyw effeithiau posibl.

Adroddiad yr Ymgynghoriad
Dyma grynodeb o'r adborth a gafwyd yn ystod yr ymgynghoriad a sut mae'r Prosiect wedi ceisio mynd i'r afael â'r adborth hwn, cyn belled ag y bo modd. Bydd hefyd yn manylu ar y modd mae'r Prosiect wedi ymgysylltu'n effeithiol â rhanddeiliaid a chymunedau, a bydd yn cael ei gyflwyno fel rhan o gais y Prosiect am Orchymyn Cydsyniad Datblygu (gweler isod).

Arolygiaeth Gynllunio
Mae'r Arolygiaeth Gynllunio yn asiantaeth weithredol sy'n gyfrifol am wneud penderfyniadau a darparu argymhellion a chyngor ar amrywiaeth o faterion sy'n ymwneud â chynllunio defnydd tir ledled Cymru a Lloegr.

Asesiad o'r Effaith Amgylcheddol
Mae hyn yn helpu i sicrhau bod awdurdod sy'n rhoi cydsyniad datblygu ar gyfer prosiect yn gwneud ei benderfyniad gan wybod yn llawn am unrhyw effeithiau amgylcheddol sylweddol tebygol ar yr amgylchedd.

Barn Gwmpasu
Caiff hwn ei gynhyrchu gan yr Ysgrifennydd Gwladol ac mae'n cyfeirio at yr ystod o faterion y dylid eu cynnwys mewn Asesiad o'r Effaith Amgylcheddol yn eu barn hwy. Mae'r Farn Gwmpasu yn dilyn Adroddiad Cwmpasu'r Prosiect (gweler isod). Mae'r Farn Gwmpasu ar gael i'w darllen ar wefan yr Arolygiaeth Gynllunio: **www.gov.uk/government/organisations/planning-inspectorate**.

Cynllunio Rhwydwaith Cyfannol Llwybr at 2030
Mae hwn yn gam mawr i Brydain o ran darparu ynni rhad a glân o wynt ar y môr. Mae'n nodi un dyluniad integredig sy'n cefnogi'r gwaith o gynhyrchu trydan ar raddfa fawr o wynt ar y môr, gan fynd â phŵer i'r mannau lle mae ei angen ledled Prydain. Ffynhonnell: National Grid

Cyrff statudol
Cyrff a benodir gan y llywodraeth yw'r rhain, a sefydlwyd i roi cyngor ac y gellir ymgynghori â nhw i gael sylwadau ar gynlluniau datblygu a cheisiadau cynllunio sy'n effeithio ar faterion sydd o ddiddordeb i'r cyhoedd.

Datganiad Amgylcheddol
Bydd hyn yn cynnwys disgrifiad ffeithiol llawn o'r Prosiect a'i effeithiau amgylcheddol tebygol. Mae hwn hefyd yn cael ei gyflwyno fel rhan o gais y Prosiect am Orchymyn Cydsyniad Datblygu.

Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol
Mae hwn yn grynodeb byr o brif bwyntiau'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol.

Datganiad o Ymgynghori Cymunedol
Mae hwn yn nodi sut mae'r Prosiect yn bwriadu ymgynghori â chymunedau lleol ynghylch ei gynigion. Mae ein Datganiad ar gael i'w ddarllen ar **www.morecambeandmorgan.com/morecambe**.

Deddf Cynllunio 2008
Mae hon yn Ddeddf seneddol sydd â'r nod o gyflymu'r broses o bennu prosiectau seilwaith mawr newydd.

Distyll Astronomegol Uchaf
Y lefel uchaf o ddŵr y gellir rhagweld y bydd yn digwydd o dan amodau meteorolegol cyfartalog ac unrhyw gyfuniad o amodau astronomegol.

Gorchymyn Cydsyniad Datblygu
Mae Gorchymyn Cydsyniad Datblygu yn ffordd o gael caniatâd ar gyfer datblygiadau sydd wedi'u categoreiddio fel Prosiectau Seilwaith o Arwyddocâd Cenedlaethol. Gweler Isod

Lleoliadau adneuo
Mae'r rhain yn lleoliadau amlwg a ddewisir ar hyd gogledd-orllewin Lloegr, Ynys Manaw a Chymru lle gall pobl ymweld a darllen copïau papur o ddeunyddiau ymgynghori'r Prosiect. Edrychwch ar dudalen 8 i weld lle mae'r rhain.

Prosiect Seilwaith o Arwyddocâd Cenedlaethol
Mae Prosiectau Seilwaith o Arwyddocâd Cenedlaethol yn ddatblygiadau seilwaith mawr yng Nghymru a Lloegr sy'n osgoi gofynion cynllunio lleol arferol. Gallant gynnwys cynigion ar gyfer gorsafoedd pŵer, meysydd awyr newydd, prosiectau ffyrdd mawr a phrosiectau ynni adnewyddadwy mawr fel hwn.

Rownd 4 Prydlesu
Mae Rownd 4 Prydlesu Gwynt ar y Môr yn creu'r cyfle i gael tua 8GW o brosiectau gwynt alltraeth newydd yn y dyfroedd o amgylch Cymru a Lloegr erbyn diwedd y degawd. Mae hynny'n ddigon i bweru dros saith miliwn o gartrefi ac i sicrhau newid sylweddol yn nhaith y DU tuag at sero net erbyn 2050.

Safle Fferm Wynt
Bydd yr ardal lle bydd generaduron tyrbinau gwynt, ceblau rhyng-aerau, platfformau is-orsaf ar y môr (heb gynnwys y potensial ar gyfer ail-bwrpasu llwyfannau olew a nwy y tu allan i safle'r fferm wynt) a cheblau cysylltu platfformau.

Sero Net erbyn 2050
Yn 2019, y DU oedd yr economi fawr gyntaf i basio deddfwriaeth sy'n ymrwymo'r wlad i allyriadau sero net erbyn 2050. Mewn geiriau eraill, y targed yw lleihau allyriadau nwyon tŷ gwydr net 100 y cant, o'i gymharu â lefelau 1990.

Strategaeth Diogelwch Ynni
Ar 7 Ebrill 2022, cyhoeddodd Llywodraeth y DU ei Strategaeth Diogelwch Ynni Prydain sy'n cynnig sbarduno'r DU tuag at ddyfodol carbon isel sy'n annibynnol o ran ynni.

Cysylltu â ni

Os ydych chi'n dymuno cael rhagor o wybodaeth neu os oes gennychchi unrhyw gwestiynau am y Prosiect, gallwch chi gysylltu â ni:

Ewch i:
www.morecambeandmorgan.com/morecambe
neu defnyddiwch y cod QR isod

Ffôn:
0800 915 2493 (opsiwn 2)
rhwng 9am a 5pm

E-bost:
hello@morecambeoffshorewind.com

Ysgrifennwch at:
FREEPOST MORECAMBE GENERATION

MORECAMBE

Ewch i:
www.morecambeandmorgan.com/morecambe
neu sganiwch y cod QR

E-bost:
hello@morecambeoffshorewind.com

Ysgrifennwch atom:
FREEPOST MORECAMBE GENERATION

Ffôn:
0800 915 2493 (option 2)

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Appendix D21
Statutory Consultation Feedback Form (English)

Fold B

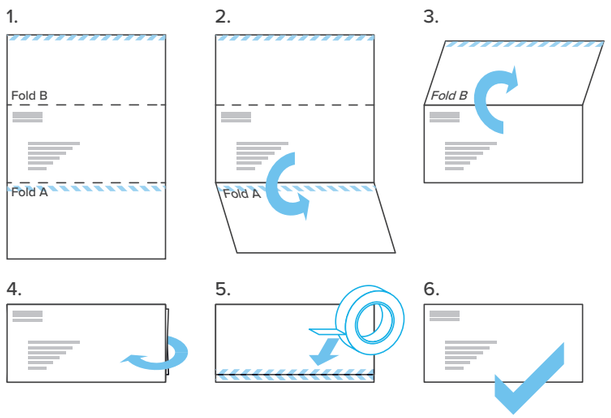
FREEPOST MORECAMBE GENERATION

Fold A

Folding instructions

Once you've completed the questionnaire please follow these instructions before returning it to us:

1. With the return address facing you...
2. fold the bottom part backwards along Fold A;
3. fold the top part backwards along Fold B;
4. turn the folded questionnaire over; and
5. secure it by sticking clear tape along the length of hatched area.
6. There's no need for a stamp, just pop it in the post.



MORECAMBE

Morecambe Offshore Windfarm Generation Assets

Statutory consultation feedback form
19 April to 4 June 2023

Project overview

Morecambe Offshore Windfarm is a proposed offshore windfarm located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30 kilometres (km) from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50 gigawatts (GW) of power from offshore wind by 2030.

The Morecambe Offshore Windfarm Generation Assets are expected to include:

- Up to 40 wind turbine generators (WTGs)
- Up to two offshore substation platforms (OSPs)
- Platform link (interconnector) cables
- Inter-array cables

WTGs and OSPs will be fixed to the seabed with foundation structures. The electricity generated by the WTGs would be transported to the National Grid via the Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project). The Transmission Assets project is the subject of a separate application for consent. This form focuses on gaining feedback in relation to the Morecambe Offshore Windfarm Generation Assets project.

Visit **www.morecambeandmorgan.com/morecambe** to find out more about our proposals. We encourage you to complete this feedback form while referring to a number of other resources designed to help you understand the Project in more detail. These are available to read via our website, at consultation events, and at a number of deposit locations across the project area.

The consultation

Our consultation is now open and will run for 47 days, from 19 April to 4 June 2023.

Your feedback will help us to develop our plans in preparation to submit our application for a Development Consent Order (DCO) to the Planning Inspectorate and Secretary of State for Energy Security and Net Zero.

How to respond

Please complete this feedback form and return to us using our freepost address: **FREEPOST MORECAMBE GENERATION**. Simply fold and stick your response form with the freepost address on the front and put it in your local post box. There is no need to use a stamp.

As well as completing this feedback form, you can also submit feedback via the following methods:

Online:

Complete this feedback form online by visiting **www.morecambeandmorgan.com/morecambe** or leave a comment on our online consultation feedback map. The mapping tool allows you to leave comments at specific locations.

Email:

Send your response to **hello@morecambeoffshorewind.com**.

Post:

Write to us at **FREEPOST MORECAMBE GENERATION**

Should you have any questions or require more information, please visit our website **www.morecambeandmorgan.com/morecambe** or call the project team on **0800 915 2493 (option 2)**

Once consultation has closed, we will carefully consider all the feedback we receive as we continue to further develop our plans for Morecambe Offshore Windfarm Generation Assets. A Consultation Report summarising the feedback and showing how it has informed our refinements of the project will then be produced, which will form part of our Development Consent Order (DCO) application.

Personal information

Title:	First name:
Date:	Surname:
Company / organisation, if applicable (optional):	
Address:	
Postcode (optional):	Email address:

How would you describe your interest in Morecambe Offshore Windfarm Generation Assets project?

- ☐ Local interest group
- ☐ Local resident
- ☐ Statutory body
- ☐ Local business
- ☐ Local representative
- ☐ Other (please specify)

☐ Please tick this box if you would like to receive future project updates.

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

Q1 Do you have any comments on the work we've undertaken on the project to date generally, as well as specifically on the areas listed (1.1 to 1.16)?

This is set out in detail in our Preliminary Environmental Information Report (PEIR), which includes surveys and assessments carried out by the Project to date, and more succinctly summarised in our PEIR Non-Technical Summary (PEIR NTS). These are both available to read in full at **www.morecambeandmorgan.com/morecambe**.

1.1 Marine Geology, Oceanography and Physical Processes
See our PEIR NTS and chapter 7 (Marine Geology, Oceanography and Physical Processes) of our PEIR

1.2 Marine Sediment and Water Quality
See our PEIR NTS and chapter 8 (Marine Sediment and Water Quality) of our PEIR

1.3 Benthic Ecology
See our PEIR NTS and chapter 9 (Benthic Ecology) of our PEIR

1.4 Fish and Shellfish Ecology
See our PEIR NTS and chapter 10 (Fish and Shellfish Ecology) of our PEIR

1.5 Marine Mammals
See our PEIR NTS and chapter 11 (Marine Mammals) of our PEIR

1.6 Offshore Ornithology
See our PEIR NTS and chapter 12 (Offshore Ornithology) of our PEIR

1.7 Commercial Fisheries
See our PEIR NTS and chapter 13 (Commercial Fisheries) of our PEIR

1.8 Shipping and Navigation
See our PEIR NTS and chapter 14 (Shipping and Navigation) of our PEIR

1.9 Marine Archaeology and Cultural Heritage
See our PEIR NTS and chapter 15 (Marine Archaeology and Cultural Heritage) of our PEIR

1.10 Civil and Military Aviation and Radar
See our PEIR NTS and chapter 16 (Civil and Military Aviation and Radar) of our PEIR

1.11 Infrastructure and Other Users
See our PEIR NTS and chapter 17 (Infrastructure and Other Users) of our PEIR

1.12 Seascape, Landscape and Visual Impact Assessment (SLVIA) See our PEIR NTS and chapter 18 (SLVIA) of our PEIR

1.13 Human Health
See our PEIR NTS and chapter 19 (Human Health) of our PEIR

1.14 Socioeconomics, Tourism and Recreation
See our PEIR NTS and chapter 20 (Socioeconomic, Tourism and Recreation) of our PEIR

1.15 Climate Change
See our PEIR NTS and chapter 21 (Climate Change) of our PEIR

1.16 Traffic and Transport
See our PEIR NTS and chapter 22 (Traffic and Transport) of our PEIR

Q2

Do you have any comments on our work to understand the technical and environmental constraints of the areas offered to us by the Crown Estate as part of its Round 4 leasing process?

This work informed our decision to locate Morecambe Offshore Windfarm within the proposed windfarm site. Constraints analysed and considered include water depths, wind capacity, wave height, seabed conditions, and the location of possible onshore connection and marine port facilities (among other things). See our PEIR NTS and chapter 4 (Site Selection & Assessment of Alternatives) of the PEIR for more information.

Q3

Do you have any comments on the possible community benefits of Morecambe Offshore Windfarm, and how the project can support the local, regional and national economy?

See our PEIR NTS and chapter 20 (Socioeconomic, Tourism and Recreation) of our PEIR. Please note that this work remains ongoing and more detail will be provided as part of our DCO application.

Q4 Do you have any comments on how we are proposing to construct Morecambe Offshore Windfarm?

See our PEIR NTS and chapter 5 (Project Description) of our PEIR for more information.

Q5 Do you have any comments on how our project interacts with with other marine users? For example, commercial fisheries, ferry routes etc.

See our PEIR NTS and chapter 13 (Commercial Fisheries) for more information.

Q6 Do you have any comments on anything else within this consultation?

See our PEIR NTS, PEIR and **www.morecambeandmorgan.com/morecambe** for more information.

Your privacy matters to us and we are transparent about how we use your data.

FAQs

Why are we collecting this data?

- We value your feedback to help us develop our proposals for Morecambe Offshore Windfarm Generation Assets
- To allow us to keep you up to date as the project progresses
- To meet our statutory obligations under the Planning Act 2008 and any other relevant legislation

Who are we sharing this information with?

- With our contractors and suppliers with whom we have contracts in place to support in the development of the project. For example, Camargue, RPS and Royal HaskoningDHV who act behalf of Morecambe Offshore Windfarm Ltd.
- With relevant government bodies, such as the Planning Inspectorate and the Department for Energy Security and Net Zero, to support the project planning application process.

How long will we keep this information?

- We will keep the information for the time required to fulfil the purposes of the project.

If you wish to update your information, find out more, or make any requests, please contact:

- Email: **hello@morecambeoffshorewind.com**
- Phone: **0800 915 2493 (option 2)**

Scan the QR code or visit:
www.morecambeandmorgan.com/morecambe

Email:
hello@morecambeoffshorewind.com

Write to us at:
FREEPOST MORECAMBE GENERATION

Call:
0800 915 2493 (option 2)

MORECAMBE

Appendix D22
Statutory Consultation Feedback Form (Welsh)

Plyg B

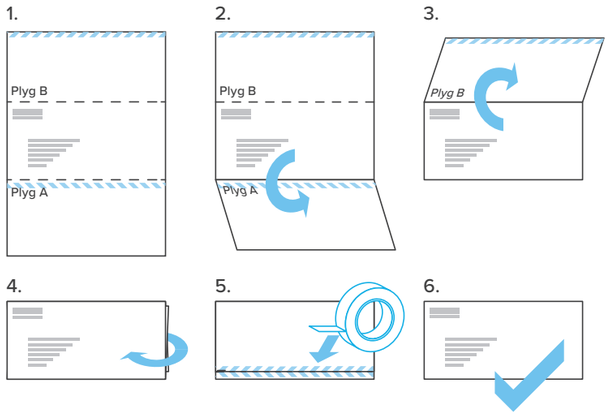
FREEPOST MORECAMBE GENERATION

Plyg A

Cyfarwyddiadau plygu

Ar ôl i chi lenwi'r holiadur, dilynwch y cyfarwyddiadau hyn cyn ei ddychwelyd atom:

1. Gyda'r cyfeiriad dychwelyd yn eich wynebu chi...
2. plygwch y rhan isaf yn ôl ar hyd Plyg A;
3. plygwch y rhan uchaf yn ôl ar hyd Plyg B;
4. trowch yr holiadur drosodd ar ôl ei blygu; a
5. seliwch yr holiadur drwy ludo tâp clir ar hyd yr ardal linellog.
6. Does dim angen stamp, dim ond ei roi yn y post.



MORECAMBE

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe

Ffurflen adborth yr ymgynghoriad statudol Rhwng 19 Ebrill a 4 Mehefin 2023

Golwg Gyffredinol ar y Prosiect

Fferm wynt alltraeth arfaethedig yn nwyrain Môr Iwerddon yw Fferm Wynt Alltraeth Morecambe. Rhagwelir y bydd yn cynhyrchu capasiti nominal o 480 megawat (MW) ac yn cynhyrchu pŵer adnewyddadwy ar gyfer dros 500,000 o gartrefi yn y Deyrnas Unedig (DU). Ar ei bwynt agosaf, mae safle'r fferm wynt tua 30 cilometr (km) oddi ar arfordir Swydd Gaerhirfryn. Bydd y fferm wynt yn helpu'r Deyrnas Unedig i gyrraedd ei nod o gynhyrchu 50 gigawat (GW) o bŵer o wynt ar y môr erbyn 2030.

Disgwylir i Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe gynnwys:

- Hyd at 40 generadur tyrbinau gwynt (WTG)
- Hyd at ddau blatfform is-orsaf alltraeth (OSP)
- Ceblau cysylltu (rhyng-gysylltu) platfformau
- Ceblau rhyng-aráe

Bydd tyrbinau gwynt a phlatfformau is-orsaf ar y môr yn cael eu gosod yn sownd i wely'r môr gyda strwythurau sylfaen. Byddai'r trydan a gynhyrchir gan y generaduron tyrbinau gwynt yn cael ei gludo i'r Grid Cenedlaethol drwy'r prosiect Asedau Trosglwyddo (ynghyd â seilwaith trawsyrru ar gyfer Prosiect Gwynt Alltraeth Morgan). Mae'r prosiect Asedau Trosglwyddo yn destun cais ar wahân am ganiatâd. Mae'r ffurflen hon yn canolbwyntio ar gael adborth mewn perthynas â phrosiect Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe.

Ewch i **www.morecambeandmorgan.com/morecambe** i gael gwybod mwy am ein cynigion. Rydym yn eich annog i lenwi'r ffurflen adborth hon gan gyfeirio at nifer o adnoddau eraill sydd wedi'u cynllunio i'ch helpu i ddeall y Prosiect yn fwy manwl. Mae'r rhain ar gael i'w darllen drwy ein gwefan, mewn digwyddiadau ymgynghori, ac mewn nifer o leoliadau adneuo ar draws ardal y Prosiect.

Yr ymgynghoriad

Mae ein hymgynghoriad ar agor nawr a bydd yn para am 47 diwrnod, rhwng 19 Ebrill a 4 Mehefin 2023.

Bydd eich adborth yn ein helpu i ddatblygu ein cynlluniau wrth baratoi i gyflwyno ein cais am Orchymyn Cydsyniad Datblygu i'r Arolygiaeth Gynllunio a'r Ysgrifennydd Gwladol dros Ddiogelwch Ynni a Sero Net.

Sut mae ymateb

Llenwch y ffurflen adborth hon a'i dychwelyd atom gan ddefnyddio ein cyfeiriad rhadbost: **FREEPOST MORECAMBE GENERATION**. Y cwbl sy'n rhaid i chi ei wneud yw plygu a gludo eich ffurflen ymateb gyda'r cyfeiriad rhadbost ar y blaen a'i rhoi yn eich blwch post lleol. Does dim angen defnyddio stamp.

Yn ogystal â llenwi'r ffurflen adborth hon, gallwch hefyd gyflwyno adborth drwy'r dulliau canlynol:

Ar-lein:

Llenwch y ffurflen adborth hon ar-lein drwy fynd i **www.morecambeandmorgan.com/morecambe** neu rhowch sylw ar fap adborth ein hymgynghoriad ar-lein. Mae'r adnodd mapio yn caniatáu i chi roi sylwadau mewn lleoliadau penodol.

E-bost:

Anfonwch eich ymateb at **hello@morecambeoffshorewind.com**.

Post:

Ysgrifennwch atom yn **FREEPOST MORECAMBE GENERATION**

Os oes gennych chi unrhyw gwestiynau neu os oes angen rhagor o wybodaeth arnoch, ewch i'n gwefan **www.morecambeandmorgan.com/morecambe** neu ffoniwch dîm y prosiect ar **0800 915 2493 (opsiwn 2)**

Ar ôl i'r ymgynghoriad ddod i ben, byddwn yn ystyried yr holl adborth a gawn yn ofalus wrth i ni barhau i ddatblygu ein cynlluniau ymhellach ar gyfer Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe. Byddwn wedyn yn llunio Adroddiad Ymgynghori yn crynhoi'r adborth ac yn dangos sut mae wedi cyfrannu at y gwaith o fireinio'r Prosiect, a bydd hwn yn rhan o'n cais am Orchymyn Cydsyniad Datblygu.

Gwybodaeth bersonol

Teitl:	Enw cyntaf:
Dyddiad:	Cyfenw:
Cwmni / sefydliad, os yw'n berthnasol (dewisol):	
Cyfeiriad:	
Cod post (dewisol):	Cyfeiriad e-bost:

Sut byddech chi'n disgrifio eich buddiant ym mhrosiect Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe?

- ☐ Grŵp buddiant lleol
- ☐ Preswylydd lleol
- ☐ Corff statudol
- ☐ Busnes lleol
- ☐ Cynrychiolydd lleol
- ☐ Arall (rhowch fanylion)

☐ Ticiwch y blwch hwn os hoffech gael yr wybodaeth ddiweddaraf am y prosiect yn y dyfodol.

Edrychwch ar yr hysbysiad preifatrwydd dros y dudalen i gael manylion ynghylch sut byddwn yn delio â'ch data.

C1 Oes gennych chi unrhyw sylwadau cyffredinol ar y gwaith rydyn ni wedi'i wneud ar y prosiect hyd yma, yn ogystal â sylwadau penodol ar y meysydd a restrir (1.1 i 1.16)?

Mae hyn wedi'i nodi'n fanwl yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol (AGAR), sy'n cynnwys arolygon ac asesiadau a gynhaliwyd gan y Prosiect hyd yma, ac mae'n cael ei grynhoi'n fyrrach yn ein Crynodeb Annhechnegol o'r AGAR. Mae fersiynau llawn o'r ddau ar gael i'w darllen yn **www.morecambeandmorgan.com/morecambe**.

1.1 Daeareg Forol, Eigioneg a Phrosesau Ffisegol

Edrychwch ar ein Crynodeb Annhechnegol o'r AGAR a phennod 7 (Daeareg Forol, Eigioneg a Phrosesau Ffisegol) yn ein AGAR

1.2 Ansawdd Dŵr a Gwaddodion Morol

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 8 (Ansawdd Dŵr a Gwaddodion Morol) yn ein AGAR

1.3 Ecoleg Benthig

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 9 (Ecoleg Benthig) yn ein AGAR

1.4 Ecoleg Pysgod a Physgod Cregyn

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 10 (Ecoleg Pysgod a Physgod Cregyn) yn ein AGAR

1.5 Mamaliaid Morol

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 11 (Mamaliaid Morol) yn ein AGAR

1.6 Adareg Alltraeth

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 12 (Adareg Alltraeth) yn ein AGAR

1.7 Pysgodfeydd Masnachol

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 13 (Pysgodfeydd Masnachol) yn ein AGAR

1.8 Morgludiant a Mordwyo

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 14 (Morgludiant a Mordwyo) yn ein AGAR

1.9 Treftadaeth Ddiwylliannol ac Archaeoleg y Môr
Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 15 (Treftadaeth Ddiwylliannol ac Archaeoleg y Môr) yn ein AGAR

1.10 Hediadau a Radar Sifil a Milwrol
Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 16 (Hediadau a Radar Sifil a Milwrol) yn ein AGAR

1.11 Seilwaith a Defnyddwyr Eraill
Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 17 (Seilwaith a Defnyddwyr Eraill) yn ein AGAR

1.12 Asesiad o'r Effeithiau Gweledol a'r Effeithiau ar y Morwedd a'r Tirwedd Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod18 (Asesiad o'r Effeithiau Gweledol a'r Effeithiau ar y Morwedd a'r Tirwedd) yn ein AGAR

1.13 Iechyd Pobl
Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 19 (Iechyd Pobl) yn ein AGAR

1.14 Nodweddion Economaidd-gymdeithasol, Twristiaeth a Hamdden Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 20 (Nodweddion Economaidd-gymdeithasol, Twristiaeth a Hamdden) yn ein AGAR

1.15 Newid Hinsawdd
Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 21 (Newid Hinsawdd) yn ein AGAR

1.16 Traffig a Thrafnidiaeth
Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 22 (Traffig a Thrafnidiaeth) yn ein AGAR

C2 Oes gennych chi sylwadau ar ein gwaith ar ddeall cyfyngiadau technegol ac amgylcheddol yr ardaloedd a gynigir i ni gan Ystad y Goron fel rhan o'i phroses brydlesu Rownd 4?

Roedd y gwaith hwn yn sail i'n penderfyniad i leoli Fferm Wynt Alltraeth Morecambe ar safle'r fferm wynt arfaethedig. Mae'r cyfyngiadau a ddadansoddwyd ac a ystyriwyd yn cynnwys dyfnderoedd dŵr, capasiti gwynt, uchder tonnau, amodau gwely'r môr, a lleoliad cysylltiad posib ar y tir a chyfleusterau porthladd morol (ymhlith pethau eraill). Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 4 (Dewis Safle ac Asesu Opsiynau Eraill) yn ein AGAR i gael rhagor o wybodaeth.

C3 Oes gennych chi unrhyw sylwadau ar fanteision cymunedol posib Fferm Wynt Alltraeth Morecambe, a sut gall y prosiect gefnogi'r economi leol, ranbarthol a chenedlaethol?

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 20 (Nodweddion Economaidd-gymdeithasol, Twristiaeth a Hamdden) yn ein AGAR. Sylwch fod y gwaith hwn yn parhau a bydd rhagor o fanylion yn cael eu darparu fel rhan o'n cais am Orchymyn Cydsyniad Datblygu.

C4 Oes gennych chi unrhyw sylwadau ar sut rydym yn bwriadu adeiladu Fferm Wynt Alltraeth Morecambe?

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 5 (Disgrifiad o'r Prosiect) yn ein AGAR i gael rhagor o wybodaeth.

C5 Oes gennych chi unrhyw sylwadau ar sut mae ein prosiect yn rhyngweithio â defnyddwyr morol eraill? Er enghraifft, pysgodfeydd masnachol, llwybrau ffeřiau ac ati.

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR a phennod 13 (Pysgodfeydd Masnachol) yn ein AGAR i gael rhagor o wybodaeth.

C6 Oes gennych chi unrhyw sylwadau ar unrhyw beth arall yn yr ymgynghoriad hwn?

Edrychwch ar ein Crynodeb Anhechnegol o'r AGAR, yr AGAR ei hun, a **www.morecambeandmorgan.com/morecambe** i gael rhagor o wybodaeth.

Mae eich preifatrwydd yn bwysig i ni ac rydym yn dryloyw ynghylch sut rydym yn defnyddio eich data.

Cwestiynau Cyffredin

Pam ydyn ni'n casglu'r data yma?

- Rydyn ni'n gwerthfawrogi eich adborth i'n helpu i ddatblygu ein cynigion ar gyfer Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
- Er mwyn i ni allu rhoi'r wybodaeth ddiweddaraf i chi wrth i'r Prosiect fynd rhagddo
- Er mwyn cyflawni ein rhwymedigaethau statudol o dan Ddeddf Cynllunio 2008 ac unrhyw ddeddfwriaeth berthnasol arall

Gyda phwy ydyn ni'n rhannu'r wybodaeth hon?

- Gyda'n contractwyr a'r cyflenwyr y mae gennym gontractau gyda nhw i gefnogi'r gwaith o ddatblygu'r Prosiect. Er enghraifft, Camargue, RPS a Royal HaskoningDHV sy'n gweithredu ar ran Morecambe Offshore Windfarm Ltd.
- Gyda chyrff perthnasol y llywodraeth, fel yr Arolygiaeth Gynllunio a'r Adran Diogelwch Ynni a Sero Net, i gefnogi'r broses o wneud ceisiadau cynllunio ar gyfer prosiectau

Am faint fyddwn ni'n cadw'r wybodaeth hon?

- Byddwn yn cadw'r wybodaeth am yr amser sy'n ofynnol i gyflawni dibenion y Prosiect.

Os hoffech chi ddiweddaru eich gwybodaeth, cael gwybod mwy, neu wneud unrhyw geisiadau, cysylltwch â ni:

- E-bost: **hello@morecambeoffshorewind.com**
- Ffôn: **0800 915 2493 (opsiwn 2)**

Sganiwch y cod QR neu ewch i:
www.morecambeandmorgan.com/morecambe

E-bost:
hello@morecambeoffshorewind.com

Ysgrifennwch atom:
FREEPOST MORECAMBE GENERATION

Ffoniwch:
0800 915 2493 (opsiwn 2)

MORECAMBE

Appendix D23
Statutory Consultation Poster (English)

MORECAMBE

EnBW bp

Partners in UK offshore wind

Morgan Offshore Wind Project Generation Assets

Morecambe Offshore Windfarm Generation Assets

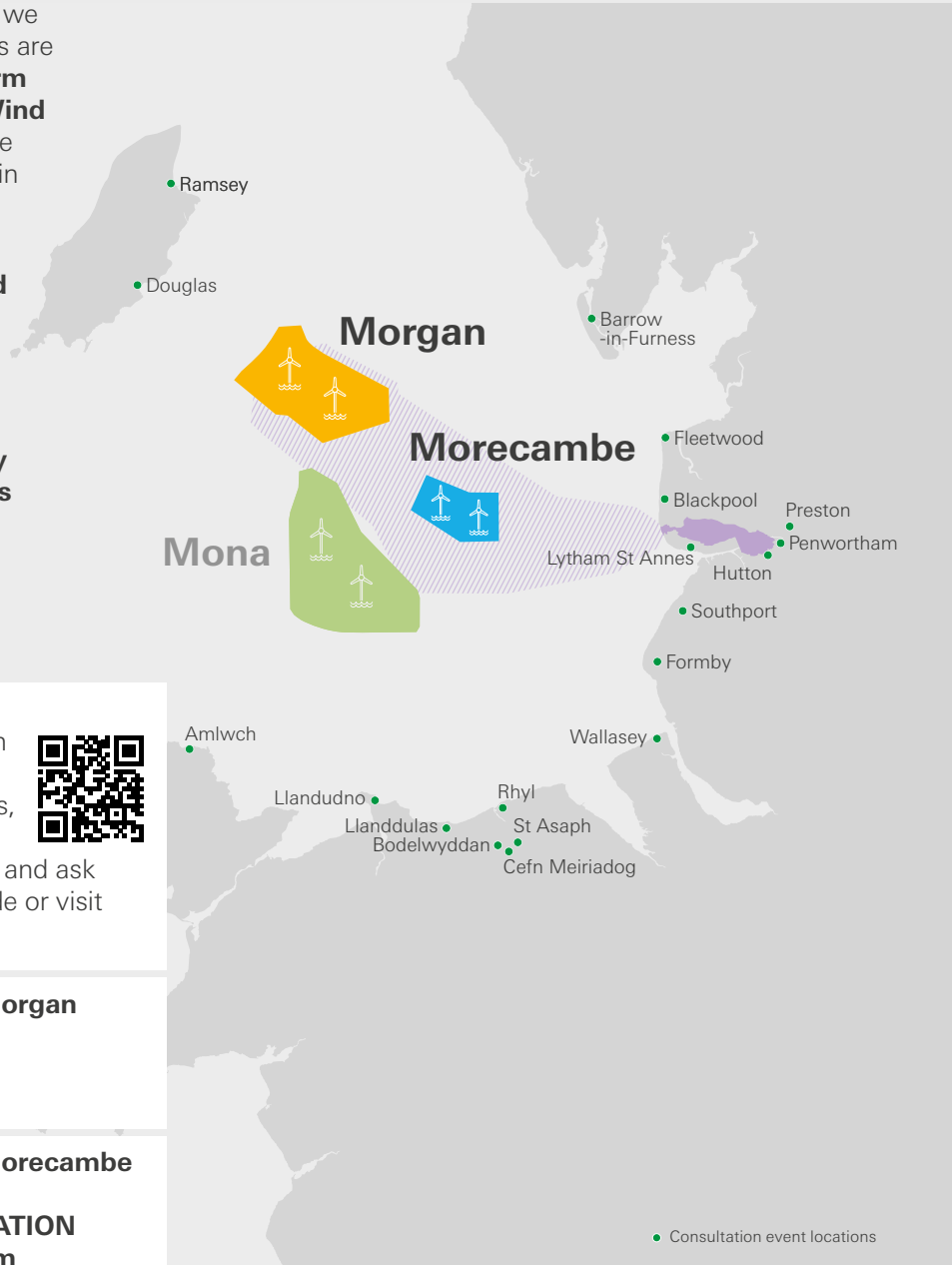
Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Consultations open: 19 April to 4 June 2023

We're holding three separate consultations and we want to hear your views. Statutory consultations are now open for **Morecambe Offshore Windfarm Generation Assets** and **Morgan Offshore Wind Project Generation Assets**. These projects are two new offshore wind farms being developed in the Irish Sea.

A non-statutory consultation is also open for **Morgan and Morecambe Offshore Wind Farms: Transmission Assets**. This focuses on the infrastructure which connects both wind farms (generation assets) to the existing electricity network.

Please provide feedback and have your say on each of the three separate consultations by 4 June 2023.



Come and see us:
All information regarding the consultations can be found on the project websites (see below). Alternatively, visit one of our joint public events, which are highlighted on the map. These are a great way to find out more about each project and ask any questions you may have. Scan the QR code or visit the website for more details.

Visit **www.morecambeandmorgan.com/morgan**
Call **0800 915 2493 (option 1)**
Write to **FREEPOST MORGAN**
Email **info@morganoffshorewind.com**

Visit **www.morecambeandmorgan.com/morecambe**
Call **0800 915 2493 (option 2)**
Write to **FREEPOST MORECAMBE GENERATION**
Email **hello@morecambeoffshorewind.com**

Visit **www.morecambeandmorgan.com/transmission**
Call **0800 915 2493 (option 3)**
Write to **FREEPOST MORECAMBE AND MORGAN**
Email **info@morecambeandmorgan.com**

Mona Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morganandmona.com**

MORECAMBE

Appendix D24
Statutory Consultation Poster (Welsh)

MORECAMBE

EnBW | bp

Partners in UK offshore wind

Prosiect Gwynt Alltraeth Mona
Mona Offshore Wind Project

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

Ymgynghoriadau ar agor: 19 Ebrill hyd 4 Mehefin 2023

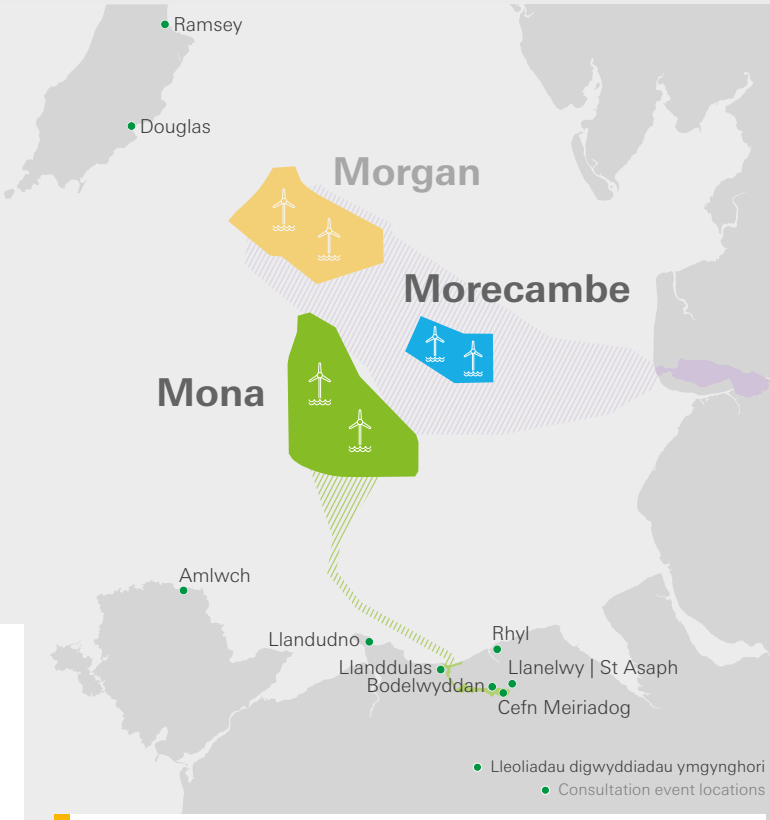
Consultations open: 19 April to 4 June 2023

Mae ymgynghoriadau statudol nawr ar agor ar gyfer **Prosiect Gwynt Alltraeth Mona** ac **Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe**, sef dwy fferm wynt newydd ar y môr sy'n cael eu datblygu ym Môr Iwerddon.

Rydyn ni eisiau clywed eich barn. Rhowch adborth a dweud eich dweud am y ddau ymgynghoriad erbyn 4 Mehefin 2023.

Statutory consultations are now open for **Mona Offshore Wind Project** and **Morecambe Offshore Windfarm Generation Assets**, two new offshore wind farms being developed in the Irish Sea.

We want to hear your views. Please provide feedback and have your say on both consultations by 4 June 2023.



Dewch i'n gweld ni:
Mae'r holl wybodaeth am yr ymgynghoriadau ar gael ar wefannau'r prosiectau (gweler drosodd). Neu, ewch i un o'n digwyddiadau cyhoeddus ar y cyd, sydd wedi'u nodi ar y map. Mae'r rhain yn ffordd wych o gael rhagor o wybodaeth am bob prosiect a gofyn unrhyw gwestiynau sydd gennych chi.

Come and see us:
All information regarding the consultations can be found on the project websites (see overleaf). Alternatively, visit one of our joint public events, which are highlighted on the map. These are a great way to find out more about each project and ask any questions you may have.

Mae **Prosiect Gwynt Alltraeth Morgan** yn fferm wynt arall ar y môr sy'n cael ei datblygu gan bp ac EnBW ym Môr Iwerddon. I gael rhagor o wybodaeth am y prosiect hwn a'i ymgynghoriad statudol, ewch i **www.morecambeandmorgan.com/morgan**.

Morgan Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morecambeandmorgan.com/morgan**.

Ewch i | Visit **www.morganandmona.com**
Ffoniwch | Call **0800 860 6263**
Ysgrifennwch at | Write **FREEPOST MONA**
E-bostiwch | Email **info@monaoffshorewind.com**

Ewch i | Visit **www.morecambeandmorgan.com/morecambe**
Ffoniwch | Call **0800 915 2493 (opsiwn | option 2)**
Ysgrifennwch at | Write **FREEPOST MORECAMBE GENERATION**
E-bostiwch | Email **hello@morecambeoffshorewind.com**

Mae ymgynghoriad anstatudol ar agor hefyd ar gyfer **Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo**. Mae rhagor o wybodaeth ar gael yn **www.morecambeandmorgan.com/transmission**.

A non-statutory consultation is also open for **Morgan and Morecambe Offshore Wind Farms: Transmission Assets**. More information can be found at **www.morecambeandmorgan.com/transmission**.

MORECAMBE

Appendix D25
Statutory Consultation Post Card (English)

MORECAMBE

EnBW bp

Partners in UK offshore wind

Consultations open from 19 April to 4 June 2023

Statutory consultations are now open for **Morecambe Offshore Windfarm Generation Assets** and **Morgan Offshore Wind Project Generation Assets**, two new offshore wind farms being developed in the Irish Sea.

A non-statutory consultation is also open for **Morgan and Morecambe Offshore Wind Farms: Transmission Assets**. This focuses on the infrastructure which connects both wind farms (generation assets) to the existing electricity network.

We want to hear your views. Please provide feedback and have your say on each of the three separate consultations by 4 June 2023.

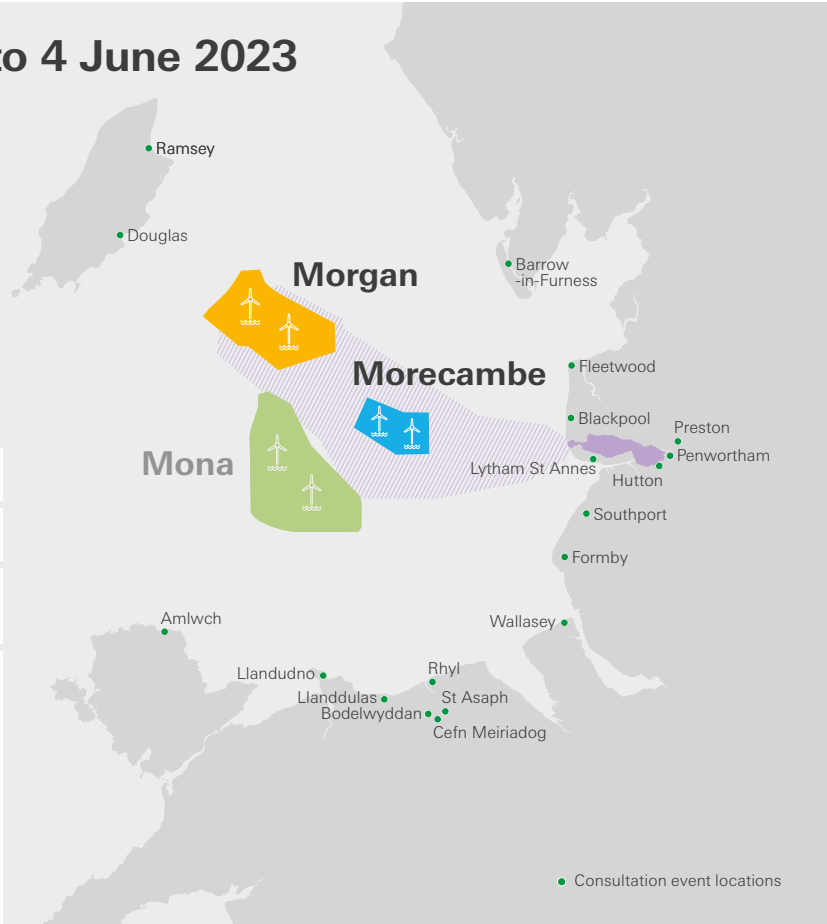
Morgan Offshore Wind Project Generation Assets

Morecambe Offshore Windfarm Generation Assets

Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Come and see us:
All information regarding the consultations can be found on the project websites (see overleaf). Alternatively, visit one of our joint public events, which are highlighted on the map. These are a great way to find out more about each project and ask any questions you may have. Scan the QR code or visit the website for more details.

TO BE UPDATED



Consultations open from 19 April to 4 June 2023

Please remember:
As three consultations are taking place at the same time for three separate projects, it's important for you to let us know which of the projects (see overleaf) your feedback refers to. This will help us to ensure that all feedback is considered effectively.

Visit **www.morecambeandmorgan.com/morgan**
Call **0800 915 2493 (option 1)**
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Email **info@morganoffshorewind.com**

Visit **www.morecambeandmorgan.com/morecambe**
Call **0800 915 2493 (option 2)**
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Write to **FREEPOST MORECAMBE AND MORGAN**
Email **info@morecambeandmorgan.com**

Mona Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morganandmona.com**

We want to hear your views. Please provide feedback and have your say on each of the three separate consultations by 4 June 2023.

MORECAMBE

Appendix D26
Statutory Consultation Post Card (Welsh)

MORECAMBE

EnBW | bp

Partners in UK offshore wind

Ymgynghoriadau ar agor rhwng 19 Ebrill a 4 Mehefin 2023

Consultations open from 19 April to 4 June 2023

Mae ymgynghoriadau statudol nawr ar agor ar gyfer **Prosiect Gwynt Alltraeth Mona ac Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe**, sef dwy fferm wynt newydd ar y môr sy'n cael eu datblygu ym Môr Iwerddon.

Rydyn ni eisiau clywed eich barn. Rhowch adborth a dweud eich dweud am y ddau ymgynghoriad erbyn 4 Mehefin 2023.

Statutory consultations are now open for **Mona Offshore Wind Project** and **Morecambe Offshore Windfarm Generation Assets**, two new offshore wind farms being developed in the Irish Sea.

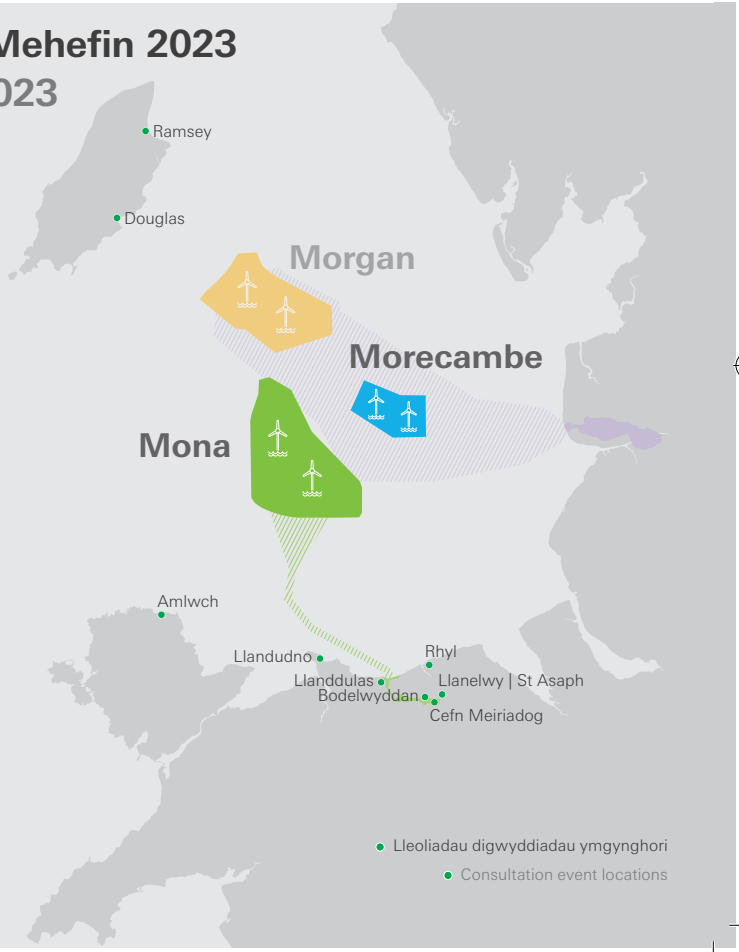
We want to hear your views. Please provide feedback and have your say on both consultations by 4 June 2023.

Prosiect Gwynt Alltraeth Mona
Mona Offshore Wind Project

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

Dewch i'n gweld ni:
Mae'r holl wybodaeth am yr ymgynghoriadau ar gael ar wefannau'r prosiectau (gweler drosodd). Neu, ewch i un o'n digwyddiadau cyhoeddus ar y cyd, sydd wedi'u nodi ar y map. Mae'r rhain yn ffordd wych o gael rhagor o wybodaeth am bob prosiect a gofyn unrhyw gwestiynau sydd gennych chi.

Come and see us:
All information regarding the consultations can be found on the project websites (see overleaf). Alternatively, visit one of our joint public events, which are highlighted on the map. These are a great way to find out more about each project and ask any questions you may have.



Cofiwch:
Gan fod dau ymgynghoriad yn cael eu cynnal ar yr un pryd ar gyfer dau brosiect ar wahân, mae'n bwysig eich bod yn rhoi gwybod i ni pa brosiect y mae eich adborth yn cyfeirio ato (gweler drosodd). Bydd hyn yn ein helpu i sicrhau bod yr holl adborth yn cael ei ystyried yn effeithiol.

Please remember:
As two consultations are taking place at the same time for two separate projects, it's important for you to let us know which of the projects (see overleaf) your feedback refers to. This will help us to ensure that all feedback is considered effectively.

Ewch i | Visit **www.morganandmona.com**
Ffoniwch | Call **0800 860 6263**
Ysgrifennwch at | Write to **FREEPOST MONA**
E-bostiwch | Email **info@monaoffshorewind.com**

Ewch i | Visit **www.morecambeandmorgan.com/morecambe**
Ffoniwch | Call **0800 915 2493 (opsiwn | option 2)**
Ysgrifennwch at | Write to **FREEPOST MORECAMBE GENERATION**
E-bostiwch | Email **hello@morecambeoffshorewind.com**

Mae **Prosiect Gwynt Alltraeth Morgan** yn fferm wynt arall ar y môr sy'n cael ei datblygu gan bp ac EnBW ym Môr Iwerddon. I gael rhagor o wybodaeth am y prosiect hwn a'i ymgynghoriad statudol, ewch i **www.morecambeandmorgan.com/morgan**.

Morgan Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morecambeandmorgan.com/morgan**.

Mae ymgynghoriad anstatudol ar agor hefyd ar gyfer **Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo**. Mae rhagor o wybodaeth ar gael yn **www.morecambeandmorgan.com/transmission**.

A non-statutory consultation is also open for **Morgan and Morecambe Offshore Wind Farms: Transmission Assets**. More information can be found at **www.morecambeandmorgan.com/transmission**.

MORECAMBE

Appendix D27
Statutory Consultation Website (Welsh)

Croeso i fferm wynt Alltraeth Morecambe

Rydyn ni nawr yn cynnal ymgynghoriad cyhoeddus ar ein cynigion diweddaraf, a bydd ymlaen am **47 diwrnod rhwng 19 Ebrill a 4 Mehefin 2023**. Rydyn ni wedi ymrwymo i gynnal ymgynghoriad agored a thryloyw, a hoffem glywed eich barn am y Prosiect

Dyma ein hail ymgynghoriad ar ddyluniad diweddaraf y Prosiect. Mae'r wefan hon yn rhoi trosolwg o'r gwaith rydym wedi'i wneud yn dilyn yr adborth a gawsom yn ystod ein hymgynghoriad cyntaf yn 2022. Rydyn ni'n annog adborth ar ein cynigion a'r gwaith rydyn ni wedi'i wneud hyd yma

Mae'r cam hwn o ymgynghori yn ofyniad statudol o'r broses Gorchymyn Cydsyniad Datblygu (neu DCO), yn unol â Deddf Cynllunio 2008.

Mae'r prosiect hwn wedi'i gategoreiddio fel Prosiect Seilwaith o Arwyddocâd Cenedlaethol (neu 'NSIP') o dan Ddeddf Cynllunio 2008. Mae hyn yn golygu ei bod yn ofynnol i ni wneud cais am DCO sy'n rhoi caniatâd i ni adeiladu, gweithredu a chynnal y Prosiect.

Mae rhagor o wybodaeth am sut i roi eich adborth ar gael ar ddolenni yn y panel ochr. *Sylwch nad oes angen cyfyngu eich adborth i'r meysydd a drafodir ar y wefan hon. Hoffem glywed unrhyw feddyliau sydd gennych.*

Gallwch hefyd weld ein holl ddeunyddiau ymgynghori ar ein hyb ymgynghori. Mae hyn yn cynnwys ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol (neu 'PEIR'), sy'n sail i'r ymgynghoriad hwn.

Gweld canolbwynt ymgynghori

Cwrdd â'r tîm

Rydym yn eich annog i ddod i un o'n digwyddiadau ymgynghori cyhoeddus personol neu ar-lein. Ewch i'n tudalen cwrdd â'r timau am ragor o wybodaeth am ein digwyddiadau.

Dod o hyd i ddigwyddiad

Cysylltwch â ni a chymerwch ran

Os oes gennych unrhyw ymholiadau ynglŷn â'r ymgynghoriad hwn, cysylltwch â ni gan ddefnyddio un o'r dulliau isod:

- **Email us:** hello@morecambeoffshorewind.com
- **Call us:** 0800 915 2493 (option 2)
- **Write to us:** FREEPOST MORECAMBE GENERATION

Gallwch chi adael adborth i ni trwy ddefnyddio dolen map ein hymgynghoriad isod. Neu gallwch chi hefyd lenwi mewn an ffurflen adborth ar-lein yma.

Rhaid derbyn pob ymateb i'r ymgynghoriad hwn erbyn hanner nos 4 Mehefin 2023. Efallai na fydd ymatebion a ddaw i law ar ôl y dyddiad hwn yn cael eu hystyried.

Map ymgynghori

Delweddau

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau 3D dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir.

Gweld map

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Sut bydd y Prosiect yn edrych

Rydyn ni'n disgwyl i'r Prosiect gynnwys yr elfennau canlynol:

- Hyd at 40 o generaduron tyrbinau gwynt
- Hyd at ddau blatfform is-orsaf ar y môr
- Ceblau cysylltu (rhyng-gysylltu) platfformau
- Ceblau rhyng-aráe

Bydd y tyrbinau gwynt a'r platfformau is-orsaf ar y môr wedi'u lleoli ar safle'r fferm wynt alltraeth (a ddangosir isod) ac wedi'u gosod yn sownd i wely'r môr gyda strwythurau sylfaen.

Bydd ceblau rhyng-aráe yn cysylltu'r generaduron tyrbinau gwynt â'i gilydd ac yn cludo ynni adnewyddadwy i'r platfformau is-orsaf ar y môr. Bydd y platfformau'n trosi'r pŵer yn foltedd addas. Yna, bydd hyn yn cael ei drosglwyddo i'r rhwydwaith trosglwyddo trydan drwy is-orsaf bresennol y National Grid yn Penwortham yn Swydd Gaerhirfryn.

I gael rhagor o wybodaeth am yr elfen trosglwyddo o'r prosiect a pham mae angen cais am Orchymyn Cydsyniad Datblygu ar wahân ar gyfer hyn, ewch i transmission.

Bydd generaduron tyrbinau gwynt yn cael eu gosod mewn rhesi. Amcangyfrifir mai tua 990 metr (0.99 cilomedr) yw'r gofod lleiaf rhwng pob Generaduron Tyrbinau Gwynt unigol mewn rhes. Amcangyfrifir mai tua 1,760 metr (1.76 cilomedr) yw'r gofod lleiaf rhwng pob rhes o Generaduron Tyrbinau Gwynt.

Bydd amodau gwely'r môr a phresenoldeb seilwaith presennol yn dylanwadu ar gynllun terfynol y Generaduron Tyrbinau Gwynt o fewn ffin y safle. Gallai hyn arwain at newidiadau yn y bylchau rhwng tyrbinau a rhesi (fel y disgrifir uchod).

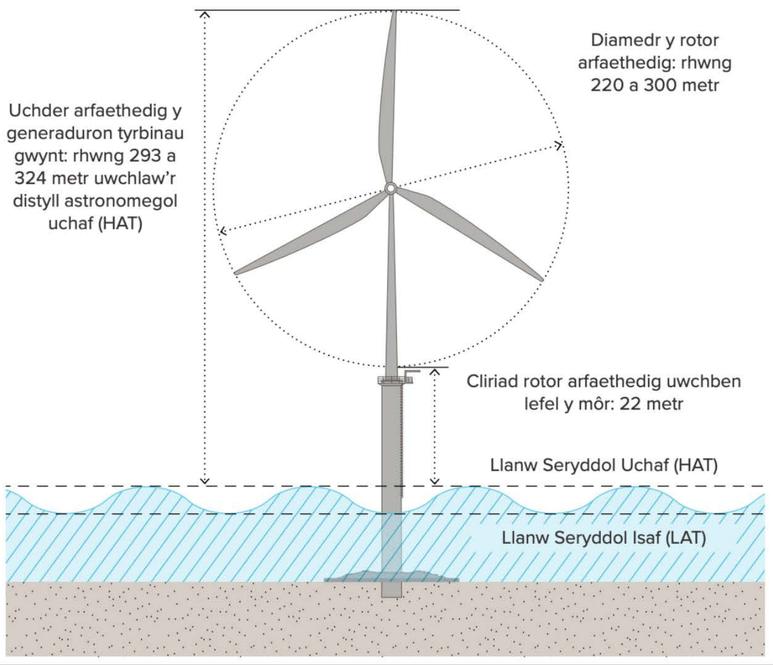

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Diagram dangosol o sut gallai Generaduron Tyrbinau Gwynt nodweddiadol edrych. Gall y dyluniad go iawn fod yn wahanol. Nid yw'r ddelwedd uchod wrth raddfa, ac mae at ddibenion enghreifftiol yn unig.

Cysylltwch â ni a chymerwch ran

Os oes gennych unrhyw ymholiadau ynglŷn â'r ymgynghoriad hwn, cysylltwch â ni gan ddefnyddio un o'r dulliau isod:

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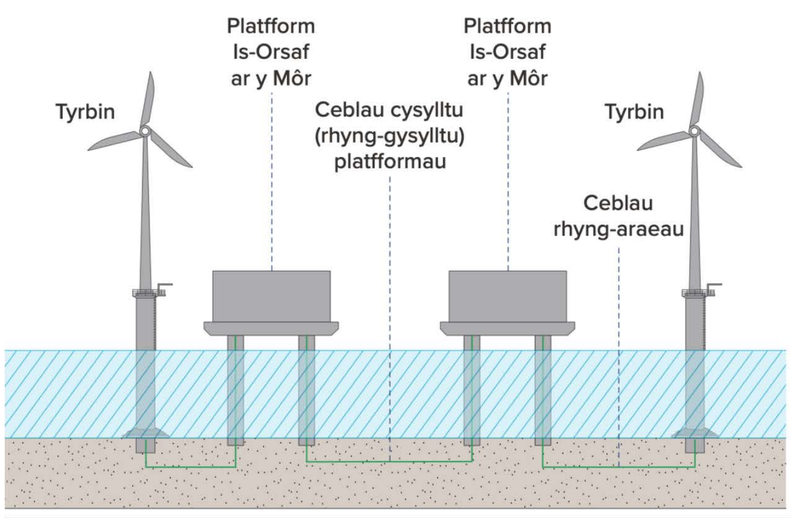
Rhaid derbyn pob ymateb i'r ymgynghoriad hwn erbyn hanner nos 4 Mehefin 2023. Efallai na fydd ymatebion a ddaw i law ar ôl y dyddiad hwn yn cael eu hystyried.

Map ymgynghori

Delweddau

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau 3D dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir.

Gweld map



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Cydrannau Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe

Mae'r wybodaeth hon yn seiliedig ar ein dealltwriaeth bresennol o'r Prosiect a bydd yn cael ei mireinio cyn cyflwyno ein cais am Orchymyn Cydsyniad Datblygu. Mae'r niferoedd hyn yn seiliedig ar dybio y bydd 480MW o drydan yn cael ei gynhyrchu.

Ffeithiau cyflym: Generaduron tyrbinau gwynt

- Nifer arfaethedig y generaduron tyrbinau gwynt: **hyd at 40**
- Diamedr y rotor arfaethedig: **rhwng 220 a 300 metr**
- Uchafswm uchder uchaf arfaethedig y tyrbin gwynt: 345 metr uwchlaw'r distyll astronegol uchaf
- Ystod cyflymder rotor enghreifftiol: **rhwng 6 a 10 cylchdro y funud (RBM)**
- Cliriad rotor isaf uwchben lefel y môr: **22 metr**

Ffeithiau cyflym: Platfformau is-orsaf ar y môr

- Uchafswm arfaethedig nifer y platfformau is-orsaf ar y môr: **2**
- Uchafswm arfaethedig lled y rhan (ystyr 'rhan uchaf' yw'r deciau sy'n cael eu cynnal gan y strwythur sylfaen y caiff y cyfarpar ei osod arno): **55 metr**
- Hyd mwyaf y rhan uchaf arfaethedig: **80 metr**
- Pwynt uchaf y rhan uchaf arfaethedig (uwchlaw'r distyll astronomegol isaf), heb gynnwys y lanfa i hofrenyddion a'r deunydd amddiffyn rhag mellt: **115 metr**

Ffeithiau cyflym: Ceblau rhyng-aráe

Mae'r rhain yn cael eu gosod i gysylltu Generaduron Tyrbinau Gwynt unigol a hefyd i gysylltu generaduron y tyrbinau gwynt â'r platfformau is-orsaf ar y môr.

- Uchafswm lled arfaethedig yr aflonyddwch o ganlyniad i baratoi, gosod a chladdu ceblau rhyng-aerau o dan wely'r môr: **25 metr**
- Ystod dyfnder arfaethedig ar gyfer claddu ceblau rhyng-aráe: **0.5 i 3 metr (dyfnder targed o 1.5m)**
- Uchafswm hyd ceblau rhyng-arae yw 110km. Ar y mwyaf, rydyn ni'n rhagweld y bydd angen i **10%** o'r cebl gael ei ddiogelu a chebl oherwydd cyflwr y tir (11km).

Ffeithiau cyflym: Ceblau cysylltu (rhyng-gysylltu) platfformau

Os bydd angen dau blatfform is-orsaf ar y môr ar gyfer y prosiect, bydd angen ceblau cysylltu platfformau i gysylltu pob platfform er mwyn gallu trosglwyddo trydan. Byddai'r rhain hefyd yn sicrhau bod modd parhau i drosglwyddo trydan os digwydd i gebl neu blatfform fethu'n annisgwyl.

- Uchafswm arfaethedig nifer y ceblau (a'r ffosydd): **2**
- Hyd mwyaf arfaethedig y cebl (fesul cebl):**5 cilometr**
- Cyfanswm hyd ceblau cysylltu platfformau yw 10km. Ar y mwyaf, rydyn ni'n rhagweld y bydd angen i **10%** o'r cebl gael ei ddiogelu oherwydd cyflwr y ddaear (1km).

Am fwy o wybodaeth ar sut ydym ni rydym yn bwriadu adeiladu'r Prosiect, edrychwch yn ein Adroddiad Gwybodaeth Amgylcheddol Rhagarweiniol ar ein hyb ymgynghori.

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Gwybodaeth amdanom ni

Mae Fferm Wynt Alltraeth Morecambe (y cyfeirir ati drwy'r llyfryn hwn fel 'y Prosiect') yn cael ei chyflwyno fel menter ar y cyd rhwng Cobra Instalaciones y Servicos, S.A. (Cobra), a Flotation Energy Limited.

Gwybodaeth am Cobra

Mae Cobra yn arwain y byd o ran datblygu, adeiladu a rheoli seilwaith diwydiannol a phrosiectau ynni, gyda mwy na 75 mlynedd o brofiad.

Gwybodaeth am Flotation Energy

Mae Flotation Energy yn gwmni datblygu gwynt alltraeth yn y Deyrnas Unedig, sydd â llif cynyddol o brosiectau gwynt ar y môr. Mae tîm Flotation Energy yn arbenigo ar y gwaith o reoli prosiect a pheirianneg prosiectau seilwaith mawr.

Pwysigrwydd ynni adnewyddadwy

Mae llywodraeth y Deyrnas Unedig wedi ymrwymo i gynlluniau uchelgeisiol a fydd yn sicrhau bod y wlad yn flaenllaw yn y frwydr dros ddyfodol mwy gwyrdd. Fel rhan o'r cynlluniau hyn, bydd angen i ni fel cymdeithas leihau allyriadau nwyon tŷ gwydr i Sero Net erbyn 2050.

Er mwyn cyflawni hyn, bydd angen i ni newid y ffordd rydym yn gwresogi ein cartrefi, yn pweru ein cerbydau ac, yn bwysig iawn, y ffordd rydym yn cynhyrchu ein trydan.

Mae ynni adnewyddadwy yn ganolog i gefnogi uchelgais y DU i arwain y byd wrth fynd i'r afael â newid yn yr hinsawdd, lleihau ein dibyniaeth ar danwydd ffosil a chroesawu dyfodol lle mae ynni adnewyddadwy yn pweru ein cartrefi a'n busnesau.

Er mwyn cyflawni ein nodau hinsawdd, mae angen i ni gynhyrchu bedair gwaith yn fwy o ynni gwynt ar y môr – sy'n golygu gosod a gweithredu capasiti 50GW erbyn 2030.

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

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Gweld map

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Gwybodaeth am y Prosiect

Yn y fan agosaf, bydd y Prosiect tua 30km o arfordir Swydd Gaerhirfryn

Pan fydd y fferm wynt yn gwbl weithredol, rhagwelir y bydd yn cynhyrchu capasiti enwol o 480MW ac yn cynhyrchu pŵer adnewyddadwy ar gyfer dros **500,000 o gartrefi** yn y DU, yn ogystal â darparu dewis ymarferol yn lle gorsafoedd cynhyrchu ynni sy'n cael eu pweru gan danwydd ffosil.

Bydd y prosiect hwn yn chwarae rhan allweddol yn y gwaith o fynd i'r afael â'r newid yn yr hinsawdd drwy wneud y canlynol:

- Cynhyrchu trydan carbon isel o fferm wynt ar y môr i gefnogi datgarboneiddio a diogelwch cyflenwad trydan y DU.
- Manteisio i'r eithaf ar y capasiti cynhyrchu o fewn cyfyngiadau'r safleoedd a'r seilwaith grid sydd ar gael.
- Darparu swm arwyddocaol o ynni gwynt ar y môr i gefnogi targed Sero Net Llywodraeth y DU erbyn 2050 a'r ymrwymiad i ddarparu hyd at 50 gigawat (GW) o ynni gwynt ar y môr erbyn 2030.
- Cyfrannu at gyflawni nodau Strategaeth Diogelwch Ynni y DU.

Ein nodau hefyd yw:

- Cydfodoli a chydweithio â gweithgareddau, datblygwyr a gweithredwyr eraill er mwyn gallu cael cydbwysedd rhwng gwahanol ddefnyddwyr.
- Cyfrannu at yr economi leol, ranbarthol a chenedlaethol drwy fuddsoddi, yn ogystal â chynnig cyfleoedd cyflogaeth a seilwaith newydd yn ystod pob cam o'r prosiect.
- Parhau i gadw costau technegol a datblygu yn isel er mwyn darparu ynni cost isel i ddefnyddwyr a darparu buddion cymunedol er mwyn helpu i gyfrannu at y frwydr yn erbyn tlodi tanwydd.
- Cyd-fynd â'r prif ffactorau sy'n sbarduno diweddariadau i bolisïau cenedlaethol.

Mae union gynllun seilwaith y Prosiect yn dal i gael ei ddatblygu ac ni fydd yn cael ei gwblhau'n derfynol nes bydd yr Arolygiaeth Gynllunio ac Ysgrifennydd Gwladol yr Adran Diogelwch Ynni a Sero Net wedi rhoi caniatâd i'r prosiect. Oherwydd cymhlethdod y Prosiect, mae'n debygol na fyddwn yn gwybod llawer o fanylion ar adeg cyflwyno ein cais, gan gynnwys:

- Nifer, lleoliad a ffurfweddiad y generaduron tyrbinau gwynt, llwyfannau is-orsafoedd ar y môr ac unrhyw ddatblygiad cysylltiedig.
- Math o sylfaen i osod y tyrbinau ac unrhyw ddatblygiad cysylltiedig.
- Union uchder blaen rotorau'r tyrbinau a diamedr y rotorau.

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Map ymgynghori

Delweddau

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Gweld map

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.

Read more

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.

Read more

Next steps

Once this consultation closes on 4 June 2023, we will consider all the feedback we have received alongside carrying out further technical, engineering and environmental work.

Read more

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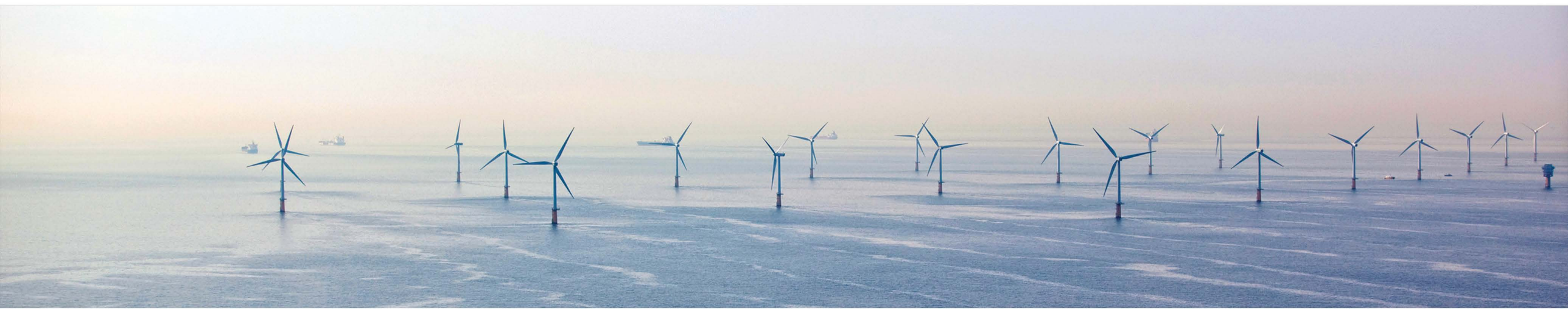

Ein gwaith hyd yma

Ym mis Mehefin 2022 fe wnaethom ni gyhoeddi Adroddiad Cwmpasu a oedd yn amlinellu'r hyn roeddem yn ei ddeall, ar y pryd, fel effeithiau tebygol y prosiect ar yr amgylchedd a sut byddem yn asesu'r rheini.

Ar ôl cyhoeddi ein Hadroddiad Cwmpasu, cawsom Farn Gwmpasu gan yr Ysgrifennydd Gwladol, a ddarparwyd ym mis Awst 2022.

Ers hynny, rydyn ni wedi bod yn cynnal amrywiaeth o asesiadau amgylcheddol er mwyn deall effeithiau posibl y prosiect yn well. Rydyn ni hefyd yn parhau i ymgysylltu â rhanddeiliaid i ddeall yn fanylach y maes rydyn ni'n bwriadu gweithio ynddo.

Mae ein hasesiadau amgylcheddol yn cael eu cynnal gan ddefnyddio amrywiaeth eang o ffynonellau data, gan gynnwys arolygon sy'n benodol i'r prosiect. Hyd yma, rydyn ni wedi cynnal yr arolygon canlynol:

- **Arolygon geoffisegol** – i wahaniaethu rhwng nodweddion ffisegol y safle, yr arwyneb a'r is-wyneb.
- **Arolygon benthig** – i ganfod a mapio unrhyw gynefinoedd. Crewyd fideos a chasglwyd samplau o waddodion
- **Arolygon o'r awyr** – i gofnodi'r amrywiaeth o rywogaethau a niferoedd adar a mamaliaid morol ar draws y safle. Hyd yma, rydyn ni wedi prosesu gwerth blwyddyn o ddata ac mae gennym werth blwyddyn arall o ddata a fydd yn bwydo i mewn i'n hasesiad terfynol.
- **Ffotograffau golygfan** – i ddadansoddi'r golygfeydd presennol o'u cymharu â safbwyntiau dangosol y Prosiect arfaethedig.
- **Arolygon traffig llongau morol** – cynhaliwyd dau arolwg ar y môr yn para 14 diwrnod i gofnodi gweithgarwch morgludo yn yr ardal o amgylch y Prosiect.

Gan ddefnyddio'r ystod eang o ddata a gasglwyd, rydyn ni wedi cynhyrchu Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol (PEIR). Mae'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol yn rhoi crynodeb o'r Prosiect, y broses o ddewis safle, datblygiad dylunio peirianyddol a chanfyddiadau allweddol y broses Asesiad o'r Effaith Amgylcheddol hyd yma.

Pwrpas yr Asesiad o'r Effaith Amgylcheddol yw galluogi rhanddeiliaid i ddatblygu barn wybodus am y datblygiad, fel sy'n ofynnol o dan Reoliadau Cynllunio Seilwaith (Asesiad o'r Effaith Amgylcheddol) 2017 (Rheoliadau'r Asesiad o'r Effaith Amgylcheddol 2017).

Mae'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol yn ymdrin hefyd ag amrywiaeth gynhwysfawr o bynciau amgylcheddol. Mae'n cyflwyno asesiadau ac effeithiau posibl a nodwyd yn y Farn Gwmpasu a gafwyd gan yr Arolygiaeth Gynllunio. Drwy gydol ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol, rydyn ni wedi nodi sut aethom i'r afael â'r sylwadau sydd wedi'u cynnwys yn y Farn Gwmpasu.

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

Delweddau

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Gweld map

Mae amrywiaeth eang o ddadansoddiadau wedi ategu'r asesiadau, gan gynnwys:

- **Modelu sŵn o dan y dŵr** – deall yr effeithiau, yn enwedig yn y cam adeiladu yn ystod gweithgareddau a allai fod yn swnllyd (fel gosod seilbyst).
- **Modelu risg gwrthdrawiadau** – i ragweld nifer yr adar a fyddai mewn perygl o ddod ar draws tyrbinau neu lafnau rotor.
- **Modelu llinell olwg radar** – yn nodi'r radarau sy'n debygol o ganfod y Prosiect.
- **Asesiad risg mordwyol** – a gynhaliwyd ar gyfer y Prosiect ochr yn ochr â Phrosiectau cyfagos eraill er mwyn nodi ac asesu'r peryglon a'r risgiau sy'n effeithio ar fordwyo llongau.

Daeth yr asesiadau ar gyfer y rhan fwyaf o bynciau i'r casgliad na fydd y Prosiect yn arwain at effeithiau sylweddol, ar ei ben ei hun nac wrth ystyried y Prosiect ochr yn ochr â gweithgareddau, cynlluniau a phrosiectau eraill. Bydd angen cytuno ar fesurau lliniaru penodol a nodwyd, a'u datblygu ymhellach gyda rhanddeiliaid.

Ar gyfer pynciau lle nodwyd effeithiau sylweddol, mae rhagor o waith dadansoddi ac asesiadau wrthi'n cael eu gwneud.

Mae'r canfyddiadau wedi'u nodi ym mhob pennod o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol, ac wedi cael eu crynhoi yn y Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol, gyda gwybodaeth am rai o'r pynciau yma:

Adareg

Mae'r asesiad o adar y môr yn y cam adeiladu yn cynnwys aflonyddwch a dadleoliad ac effeithiau anuniongyrchol ar gynefinoedd a rhywogaethau ysglyfaeth, gan gynnwys rhywogaethau sensitif fel y trochydd gyddfgoch (yn y llun). Ar ben hynny, yn ystod y camau gweithredu a chynnal a chadw, mae'r effeithiau posibl hefyd yn cynnwys risg o wrthdaro.

Ni nodwyd unrhyw effeithiau arwyddocaol ar gyfer y Prosiect yn unig. Roedd hyn yn cynnwys unrhyw risg o wrthdaro â thyrbinau, yr asesir nad yw'n fwy na bach, ac nad yw'n arwyddocaol, ar gyfer yr holl rywogaethau a gofnodwyd yn hedfan ar safle'r fferm wynt. Mae hyn yn cynnwys y rhywogaethau mwyaf sensitif, fel hugan, gwylan goesddu (yn y llun), gwylan y gweunydd, gwylan y penwaig, gwylan gefnddu leiaf a gwylan gefnddu fwyaf.

Pan fydd yr asesiad yn cynnwys cynlluniau a phrosiectau eraill yn yr ardal, bydd yn cael ei ystyried yn fanylach wrth i'r Asesiad o'r Effaith Amgylcheddol fynd rhagddo a phan fydd yr holl ddata ar gael.

Nodweddion economaiddgymdeithasol, twristiaeth a hamdden

Roedd ein hasesiad yn defnyddio amrywiaeth o ystadegau a oedd ar gael i'r cyhoedd ar gyfer ardal yr astudiaeth leol: Lerpwl, Halton, Sefton, Cilgwri, Copeland, South Lakeland, Barrowin-Furness, Blackpool, Fylde, Caerhirfyn, Gorllewin Swydd Gaerhirfryn, Wyre, Caer a Gorllewin Swydd Gaer, Sir Ddinbych a Sir y Fflint, yn ogystal â'r DU yn gyffredinol.

Ni nodwyd unrhyw effeithiau sylweddol ar yr economi dwristiaeth, gweithgareddau hamdden nac asedau cymunedol.

Gallai manteision posibl ddeillio o gynnydd mewn gwariant, a hwb i'r economi yn sgil hynny yn ystod y gwaith o adeiladu, gweithredu a chynnal a chadw'r Prosiect.

Mae potensial am hwb i greu cyfleoedd cyflogaeth yn ystod cyfnod adeiladu'r Prosiect.

Mamaliaid morol

Mae ein gwaith hyd yma wedi ein galluogi i ganfod y mamaliaid morol mwyaf perthnasol yn yr ardal, gan gynnwys y llamhidydd (yn y llun), dolffin trwyn potel, dolffin cyffredin, dolffin Risso, dolffin pigwyn, morfil pigfain, morlo llwyd a morlo cyffredin.

Cynhaliwyd gwaith modelu sŵn o dan y dŵr er mwyn deall yn well pa ddylanwad y mae effeithiau sŵn tanddwr yn ei gael ar famaliaid morol.

Canfu'r asesiadau mai dim ond 'mân niweidiol' oeddent, gyda mesurau lliniaru ar gyfer y Prosiect yn unig. A byddai effeithiau 'nad ydynt yn arwyddocaol' ar famaliaid morol.

Pan fydd yr asesiad yn cynnwys cynlluniau a phrosiectau eraill yn yr ardal, bydd yn cael ei ystyried yn fanylach wrth i'r Asesiad o'r Effaith Amgylcheddol fynd rhagddo a phan fydd yr holl ddata ar gael.

Asesiad o'r Effaith Weledol a'r Effaith ar y Morwedd a'r Tirwedd (SLVIA)

Ar gyfer yr asesiadau, roedd ardal yr astudiaeth yn cynnwys Cumbria, Swydd Gaerhirfryn a Glannau Mersi yn Lloegr; ardal diriogaethol ddeheuol, gan gynnwys Sir y Fflint, Sir Ddinbych, Conwy, Gwynedd ac Ynys Môn yng Nghymru; ac ardal orllewinol ar y môr, a ddiffinnir gan ddyfroedd Môr Iwerddon ac Ynys Manaw.

Roedd yr asesiadau'n nodi bod y rhan fwyaf o olygfeydd o'r Prosiect naill ai'n bell a / neu'n cael eu dominyddu gan ffermydd gwynt sydd eisoes ar y môr. Mae'r ardaloedd sy'n cael yr effeithiau gweledol mwyaf, yr ystyrir eu bod yn arwyddocaol, wedi'u cyfyngu i ardaloedd ar hyd arfordir Fylde a Sefton.

Er bod effeithiau lleol ar olygfeydd o'r rhan hon o'r arfordir, ni fydd yr effeithiau ond yn digwydd yn ystod cyfnodau prin o weledeed pellter hir rhagorol, ac ni fyddant yn digwydd yn ystod y rhan fwyaf o amodau cyffredin.

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Rhyngweithio â defnyddwyr morol eraill

Rydyn ni wedi cynnal amrywiaeth o asesiadau yn ardal ein hastudiaeth i weld sut gallai safle ein fferm wynt arfaethedig effeithio o bosibl ar ddefnyddwyr a diwydiannau eraill. Er enghraifft, pysgodfeydd masnachol, seilwaith olew a nwy, morgludo a mordwyo.

Isod, rydyn ni wedi rhoi trosolwg o ganlyniadau'r asesiadau hyn. Mae rhagor o wybodaeth fanwl am yr asesiadau a gynhaliwyd a'r canlyniadau dilynol ar gael ym mhenodau 13 (caniatáu masnachol), 14 (morgludiant a mordwyo), 16 (awyrennau a radar) ac 17 (seilwaith a defnyddwyr eraill) yn ein Hadroddiad Gwybodaeth Amgylcheddol Ragarweiniol ac yn y Datganiad Annhechnegol o'r Adroddiad Gwybodaeth Amgylcheddol Ragarweiniol yn ein hyb ymgynghori.

Pysgodfeydd masnachol

Mae gweithgarwch pysgota masnachol wedi cael ei nodweddu gan ystadegau glanio, monitro cychod, data gwyliadwriaeth, ac ymgynghori â'r diwydiant pysgota. Ar sail dadansoddiad o leoliad safle'r fferm wynt, disgwylir y bydd y gweithgarwch pysgota'n cael ei ddominyddu gan longau mwy o faint yn chwilota am wichiaid.

Gyda mesurau lliniaru ar gyfer y cyfnod adeiladu, aseswyd mai bach yw effeithiau'r Prosiect. Wrth ystyried cynlluniau a phrosiectau eraill yn yr ardal, bydd angen asesiad pellach.

Bydd y Prosiect yn parhau i ymgysylltu â rhanddeiliaid yn y rhanbarth sy'n ymwneud â physgodfeydd masnachol ac yn ystyried sut gallwn ni liniaru rhagor ar unrhyw effeithiau posibl.

Morgludo a mordwyo

Yn ardal yr astudiaeth, mae data'n dangos bod llongau gwasanaeth sy'n gysylltiedig â'r ffermydd gwynt alltraeth presennol a seilwaith olew a nwy yn gyfrifol am gyfran fawr o symudiadau llongau. Mae llongau mawr sy'n pasio drwy safle'r fferm wynt yn gychod fferi a llongau gwasanaeth yn bennaf, ynghyd â nwyddau masnachol.

Mae llwybrau tanceri yn brin yn safle'r fferm wynt. Cafodd pedwar prif cwmni eu nodi yn nwyrain Môr Iwerddon drwy ein hasesiadau:

- **Isle of Man Steam Packet Company**, sy'n gweithredu rhwng Douglas, Lerpwl a Heysham.
- **Seatruck**, sy'n gweithredu rhwng Heysham, Lerpwl, Warrenpoint a Belfast.
- **Stena**, sy'n gweithredu rhwng Lerpwl, Heysham a Belfast.
- **P&O**, sy'n gweithredu rhwng Lerpwl a Dulyn

Cysylltwch â ni a chymerwch ran

Os oes gennych unrhyw ymholiadau ynglŷn â'r ymgynghoriad hwn, cysylltwch â ni gan ddefnyddio un o'r dulliau isod:

- **Email us:** hello@morecambeoffshorewind.com
- **Call us:** 0800 915 2493 (option 2)
- **Write to us:** FREEPOST MORECAMBE GENERATION

Gallwch chi adael adborth i ni trwy ddefnyddio dolen map ein hymgynghoriad isod. Neu gallwch chi hefyd lenwi mewn an ffurflen adborth ar-lein yma.

Rhaid derbyn pob ymateb i'r ymgynghoriad hwn erbyn hanner nos 4 Mehefin 2023. Efallai na fydd ymatebion a ddaw i law ar ôl y dyddiad hwn yn cael eu hystyried.

Map ymgynghori

Delweddau

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau 3D dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir.

Gweld map

Canfu ein hasesiadau y byddai ein Prosiect yn effeithio ar lwybrau fferi Lerpwl i Douglas a Lerpwl i Belfast, ond dim ond llwybr Lerpwl i Belfast fyddai angen pellter teithio ychwanegol o ganlyniad i'r Prosiect. Aseswyd nad oedd effeithiau'r Prosiect yn unig yn arwyddocaol. Fodd bynnag, nodwyd mesurau lliniaru er mwyn lleihau rhagor ar yr effeithiau hyn.

Wrth ystyried y Prosiect gyda chynlluniau eraill a phrosiectau cyfagos, nodwyd effeithiau arwyddocaol. Drwy ymgysylltu'n barhaus â rhanddeiliaid a rheoleiddwyr, byddwn ni'n ceisio rhoi mesurau lliniaru addas ar waith ac archwilio mesurau ychwanegol posibl cyn datblygu ein Datganiad Amgylcheddol a chyflwyno ein cais am Orchymyn Cydsyniad Cynllunio.

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Hyb Ymgynghori

Ar y dudalen hon gallwch weld a lawrlwytho detholiad o ddeunyddiau sy'n darparu mwy o wybodaeth am brosiectau gwynt ar y môr ac ar y tir Morecambe.

Os bydd angen unrhyw un o'r deunyddiau hyn arnoch mewn ffurfiau mwy hygyrch, neu mewn iaith wahanol, cysylltwch â thîm y prosiect drwy e-bostio **hello@morecambeoffshorewind.com** neu ffonio **0800 915 2493 (option 2)**.

Delweddau

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau 3D dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir.

Gweld map

Cysylltwch â ni a chymerwch ran

Os oes gennych unrhyw ymholiadau ynglŷn ôl ymgynghoriad hwn, cysylltwch â ni gan ddefnyddio un o'r dulliau isod.

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Rhaid derbyn pob ymateb i'r ymgynghoriad hwn erbyn hanner nos 4 Mehefin 2023. Efallai na fydd ymatebion a ddaw i law ar ôl y dyddiad hwn yn cael eu hystyried.

Map ymgynghori

Deunyddiau ymgynghori statudol

Deunyddiau ymgynghori

Consultation Brochure (Single pages)

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Consultation Brochure (Spread pages)

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Ffurflen Adborth

Download

Datganiad o Ymgynghori Cymunedol

Download

Hysbysiad Adran 42

Download

Hysbysiad Adran 47 (hysbysiad yn rhoi cyhoeddusrwydd i'r Datganiad o Ymgynghori Cymunedol)

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Hysbysiad Adran 48

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Deposit Locations

Download

Consultation Poster

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Delweddau

Delweddau o sut olwg fydd ar y prosiect

Download

Preliminary Environmental Information Report (PEIR)

- Preliminary Environmental Information Report (PEIR) Chapter 1
- Preliminary Environmental Information Report (PEIR) Chapter 2
- Preliminary Environmental Information Report (PEIR) Chapter 3
- Preliminary Environmental Information Report (PEIR) Chapter 4
- Preliminary Environmental Information Report (PEIR) Chapter 5
- Preliminary Environmental Information Report (PEIR) Chapter 6
- Preliminary Environmental Information Report (PEIR) Chapter 7
- Preliminary Environmental Information Report (PEIR) Chapter 8
- Preliminary Environmental Information Report (PEIR) Chapter 9
- Preliminary Environmental Information Report (PEIR) Chapter 10
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- Preliminary Environmental Information Report (PEIR) Chapter 21
- Preliminary Environmental Information Report (PEIR) Chapter 22
- Reports
- Non-Technical Summary

Deunyddiau ymgynghori anstatudol

Deunyddiau ymgynghori anstatudol

Llyfryn ymgynghori Morecambe a Morgan - Hydref 2022

Download

Cofnodi digwyddiad ymgynghori ar-lein

Watch

Adroddiad Cwmpasu Fferm Wynt Alltraeth Morecambe

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Map delweddu

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir. Cliciwch ar y saethau i weld fideos sy'n dangos golygfeydd yn ystod y dydd a'r nos. Rydyn ni'n dangos awyr gymylog gan mai'r rhain sy'n rhoi'r cyferbyniad mwyaf amlwg ar gyfer y tyrbinau gwynt. I weld y delweddau, ewch i'n hwb ymgynghori neu cliciwch isod.

Sylwch: i weld y map hwn, rhaid derbyn y defnydd o gwcis ar y wefan hon.

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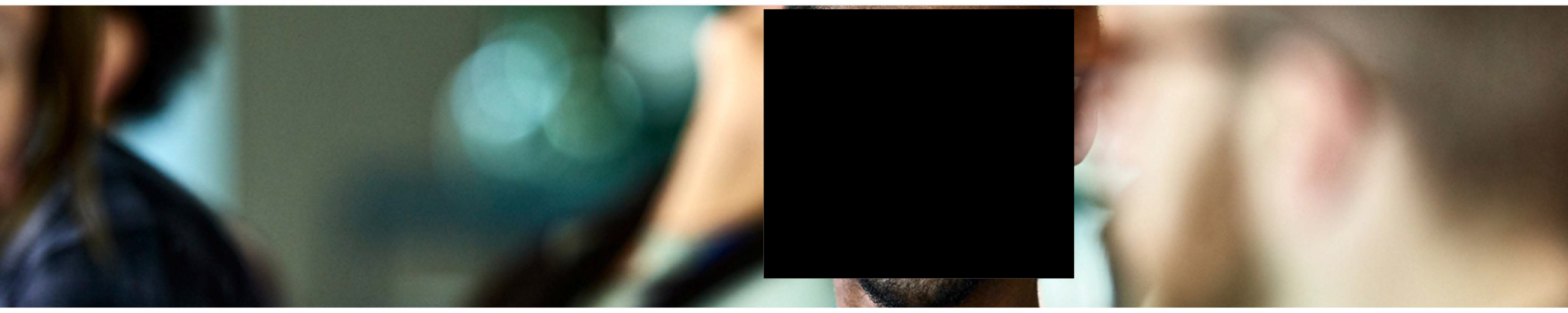

Cwrdd â'r timau

Gallwch ddarganfod mwy am Asedion Cynhyrchu Ffermydd Gwynt Alltraeth Morecambe

Byddwn yn cynnal cyfres o ddigwyddiadau ymgynghori cyhoeddus lle gallwch gwrdd â'n tîm, darganfod mwy am y Prosiect, a gofyn unrhyw gwestiynau sydd gennych. Gallwch naill ai ddod i'n gweld yn bersonol neu ymuno â'n digwyddiad ar-lein, a fydd yn cynnwys sesiwn holi ac ateb. Mae manylion llawn ein digwyddiadau isod.

Os cewch unrhyw broblemau wrth geisio cofrestru i fynychu ein digwyddiadau ymgynghori ar-lein, yna cysylltwch ag un o'r timau prosiect:

Delweddau

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau 3D dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir.

Gweld map

Cysylltwch â ni a chymerwch ran

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Rhaid derbyn pob ymateb i'r ymgynghoriad hwn erbyn hanner nos 4 Mehefin 2023. Efallai na fydd ymatebion a ddaw i law ar ôl y dyddiad hwn yn cael eu hystyried.

Map ymgynghori

Digwyddiadau ymgynghori

Lleoliad	Dyddiad	Amser
Llanddulas Village Hall Beulah Avenue, Llanddulas, Abergele LL22 8FH	Thur 4 May	3pm to 7pm
St Asaph Parish Church 1 High Street, St Asaph LL17 0RG	Fri 5 May	3pm to 6pm
Winter Gardens, Blackpool 97 Church Street, Blackpool FY1 1HL	Wed 10 May	3pm to 7pm
Fylde Rugby Football Club Woodlands Memorial Ground, Blackpool Road, Lytham St Annes FY8 4EL	Fri 12 May	3pm to 7pm
Kingsfold Methodist Church Hawksbury Drive, Kingsfold, Penwortham PR1 9EN	Sat 13 May	10am to 1pm
Ramsey Town Hall Parliament Square, Ramsey, Isle of Man IM8 1RT	Thur 18 May	3pm to 7pm
Bodelwyddan Village Hall Ronaldsway, Bodelwyddan, Rhyl LL18 5TE	Fri 19 May	3pm to 7pm
Douglas Borough Council Town Hall, Ridgeway Street, Douglas, Isle of Man IM99 1AD	Fri 19 May	3pm to 7pm
Neuadd Owen Village Hall Cefn Meiriadog, St Asaph, Denbighshire LL17 0EY	Sat 20 May	10am to 1pm
Hutton Village Hall Moor Lane, Hutton, Preston PR4 5SE	Mon 22 May	3pm to 7pm
Royal Clifton Hotel Southport Promenade, Southport PR8 1RB	Wed 24 May	4pm to 8pm

Digwyddiadau pop-up

Lleoliad	Dyddiad	Amser
Llandudno Library Mostyn Street, Llandudno LL30 2RP	Wed 3 May	2pm to 5pm
Rhyl Tourist Information Centre The Village, West Parade, Rhyl LL18 1HZ	Thur 4 May	10am to 1pm
Amlwch Library Parys Road, Amlwch LL68 9AB	Sat 6 May	10am to 12pm
Barrow Park Leisure Centre Greengate Street, Barrow-in-Furness LA13 9DT	Thur 11 May	10am to 1pm
Affinity Outlet Shopping Lancashire Anchorage Road, Fleetwood FY7 6AE	Tue 23 May	10am to 1pm
Preston Market 28 Market Street, Preston PR1 2AR	Wed 24 May	10am to 1pm
Waitrose & Partners Formby Three Tuns Lane, Formby, Liverpool L37 4AJ	Thur 25 May	10am to 1pm
Wallasey Junction One Retail Park Bidston Moss, Wallasey CH44 2HE	Thur 25 May	3pm to 6pm

Digwyddiadau ar-lein

Lleoliad	Dyddiad	Amser
Online Zoom Consultation event: Click to Register Here	**Tues 16 May**	6pm to 7pm

Please refer back to this page before attending any consultation events in case of unexpected cancellation.

Ymweld ag un o'n lleoliadau Blaendal

Drwy gydol y cyfnod ymgynghori gallwch ymweld ag un o'r lleoliadau adneuo a restrir a chasglu copïau papur o'n llyfryn, ffurflen adborth, PEIR NTS a Datganiad o Ymgynghori Cymunedol (neu 'SoCC'). Sylwch y gall amseroedd agor lleoliadau blaendal amrywio felly cyfeiriwch at wefannau'r lleoliadau cyn ymweld.

Gweld lleoliadau

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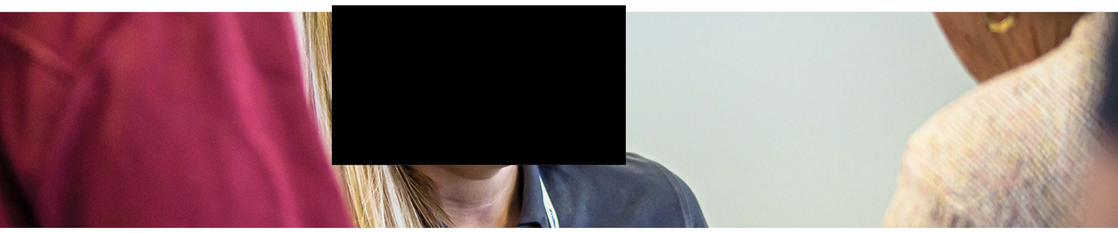

Ffurflen adborth

Hoffem gael eich adborth ar y gwaith rydym wedi'i wneud ar ein Prosiect hyd yma.

I gael rhagor o wybodaeth am y pynciau y gallwch roi adborth arnynt, gweler ein llyfryn a'n PEIR NTS neu PEIR yn ein hyb ymgynghori.

Gallwch rannu unrhyw adborth sydd gennych drwy ddefnyddio un o'r dulliau canlynol:

- **Ffurflen adborth ar-lein:** cwblhewch y fersiwn ar-lein o'n ffurflen adborth.
- **Ffurflen adborth papur:** lawrlwythwch gopi pdf o'n ffurflen adborth yma a'i e-bostio atomhere and email it to us
- **E-bostiwch ni:** hello@morecambeoffshorewind.com
- **Ysgrifennwch atom:** FREEPOST MORECAMBE GENERATION

Cyffredinol

Section 1 of 6

1. A oes gennych unrhyw sylwadau ar y gwaith rydym wedi'i wneud ar y prosiect hyd yn hyn yn gyffredinol, yn ogystal ag yn benodol ar y meysydd a restrir (1.1 i 1.16).

Character Count: **7000**

Enter your feedback

1.1 Daeareg forol, eigioneg a phrosesau ffisegol

Character Count: **1000**

Enter your feedback

1.2 Gwaddod morol ac ansawdd dŵr

Character Count: **1000**

Enter your feedback

1.3 Ecoleg benthig

Character Count: **1000**

Enter your feedback

1.4 Ecoleg pysgod a physgod cregyn

Character Count: **1000**

Enter your feedback

1.5 Mamaliaid morol

Character Count: **1000**

Enter your feedback

1.6 Adareg ar y môr

Character Count: **1000**

Enter your feedback

1.7 Pysgodfeydd masnachol

Character Count: **1000**

Enter your feedback

1.8 Llongau a mordwyo

Character Count: **1000**

Enter your feedback

1.9 Archaeoleg alltraeth a threftadaeth ddiwylliannol

Character Count: **1000**

Enter your feedback

1.10 Hedfan sifil a milwrol a radar

Character Count: **1000**

Enter your feedback

1.11 Isadeiledd a defnyddwyr eraill

Character Count: **1000**

Enter your feedback

1.12 Asesiad Morlun, Tirwedd ac Effaith Weledol

Character Count: **1000**

Enter your feedback

1.13 Iechyd dynol

Character Count: **1000**

Enter your feedback

1.14 Economeg gymdeithasol, twristiaeth a hamdden

Character Count: **1000**

Enter your feedback

1.15 Newid hinsawdd

Character Count: **1000**

Enter your feedback

1.16 Traffig a thrafnidiaeth

Character Count: **1000**

Enter your feedback

Continue

Feedback sections

- **Cyffredinol**
- Amgylcheddol
- Cymuned
- Adeiladu
- Masnachol
- Cyffredinol
- Your details — **Complete**

Cysylltwch â ni a chymerwch ran

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Gallwch chi adael adborth i ni trwy ddefnyddio dolen map ein hymgynghoriad isod. Neu gallwch chi hefyd lenwi mewn an ffurflen adborth ar-lein yma.

Rhaid derbyn pob ymateb i'r ymgynghoriad hwn erbyn hanner nos 4 Mehefin 2023. Efallai na fydd ymatebion a ddaw i law ar ôl y dyddiad hwn yn cael eu hystyried.

Map ymgynghori

Delweddau

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau 3D dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir.

Gweld map

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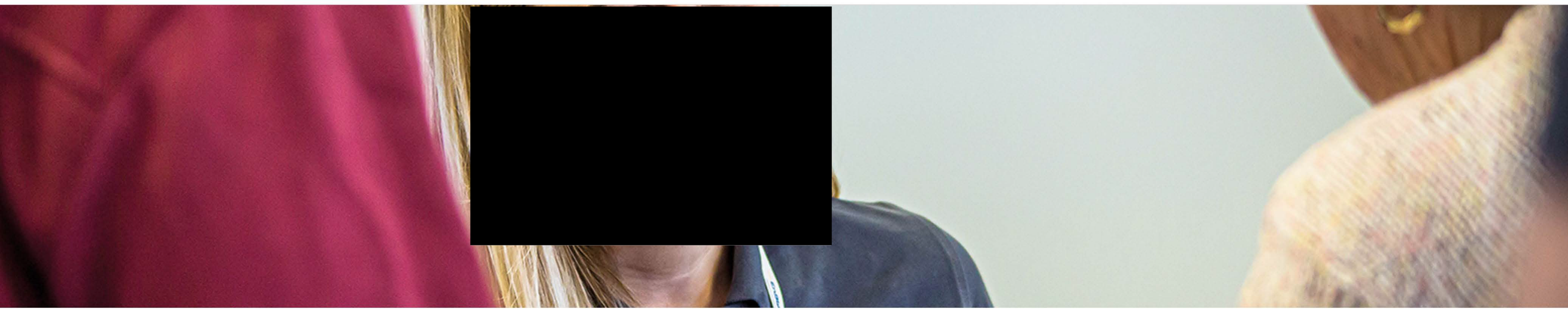

Ffurflen adborth

Amgylcheddol

Section 2 of 6

2. A oes gennych unrhyw sylwadau am ein gwaith i ddeall cyfyngiadau technegol ac amgylcheddol yr ardaloedd a gynigir i ni gan Ystad y Goron fel rhan o'i phroses brydlesu Rownd 4?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

Cyffredinol

Amgylcheddol

Cymuned

Adeiladu

Masnachol

Cyffredinol

Your details **Complete**

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

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Gweld map

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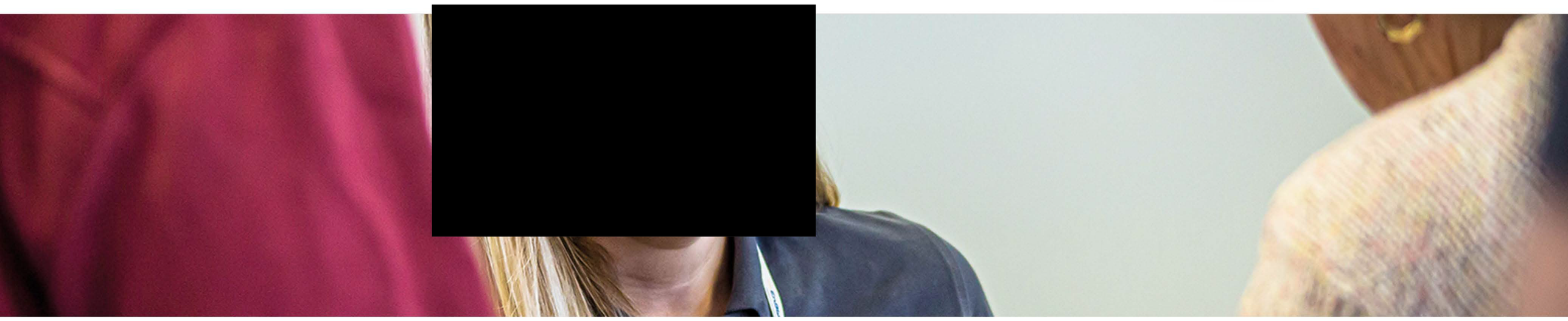

Ffurflen adborth

Cymuned

Section 3 of 6

3. A oes gennych unrhyw sylwadau ar fanteision cymunedol posibl Fferm Wynt Alltraeth Morecambe, a sut y gall y prosiect gefnogi'r economi leol, ranbarthol a chenedlaethol?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

- Cyffredinol
- Amgylcheddol
- **Cymuned**
- Adeiladu
- Masnachol
- Cyffredinol
- Your details **Complete**

Cysylltwch â ni a chymerwch ran

Os oes gennych unrhyw ymholiadau ynglŷn â'r ymgynghoriad hwn, cysylltwch â ni gan ddefnyddio un o'r dulliau isod:

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- **Call us:** 0800 915 2493 (option 2)
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Map ymgynghori

Delweddau

Nid yw maint, nifer a lleoliad ein tyrbinau wedi'u penderfynu eto. Ond yn y cyfnod cynnar hwn rydym wedi creu delweddiadau 3D dangosol i ddangos golygfeydd posibl o Fferm Wynt Alltraeth Morecambe o ystod o leoliadau ar y tir.

Gweld map

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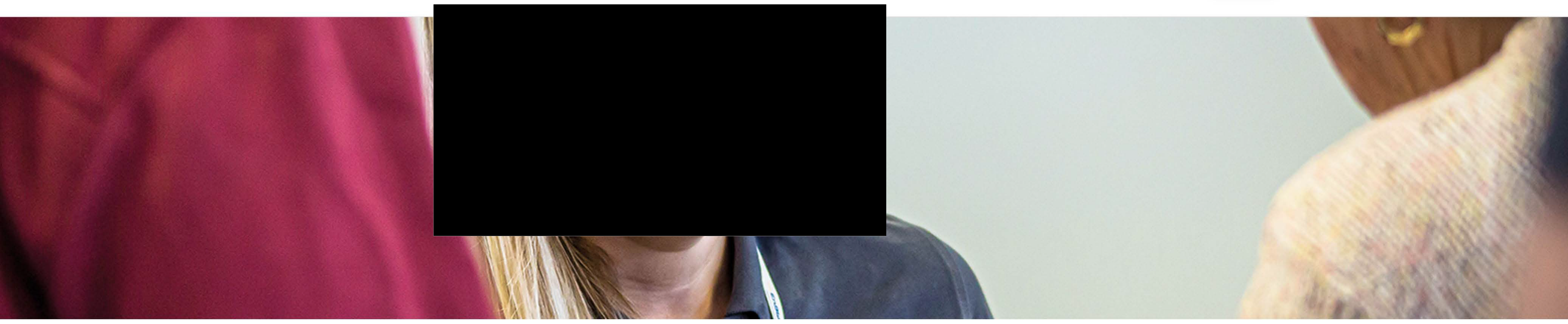

Ffurflen adborth

Adeiladu

Section 4 of 6

4. A oes gennych unrhyw sylwadau ar sut yr ydym yn bwriadu adeiladu Fferm Wynt Alltraeth Morecambe?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

- Cyffredinol
- Amgylcheddol
- Cymuned
- **Adeiladu**
- Masnachol
- Cyffredinol
- Your details **Complete**

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

Delweddau

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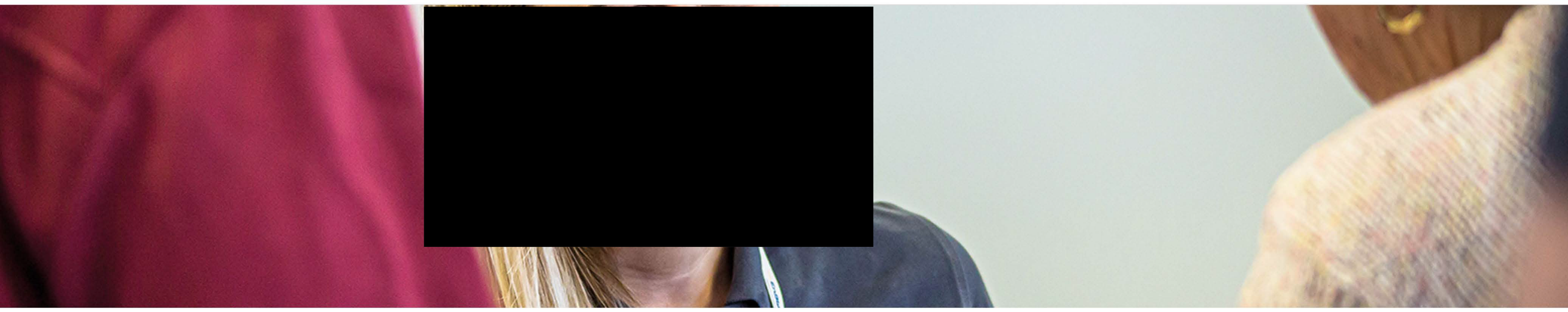

Ffurflen adborth

Masnachol

Section 5 of 6

5. A oes gennych unrhyw sylwadau ar sut mae ein prosiect yn rhyngweithio â physgodfeydd masnachol, llongau a mordwyo?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

Cyffredinol
Amgylcheddol
Cymuned
Adeiladu
Masnachol
Cyffredinol
Your details **Complete**

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

Delweddau

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Gweld map

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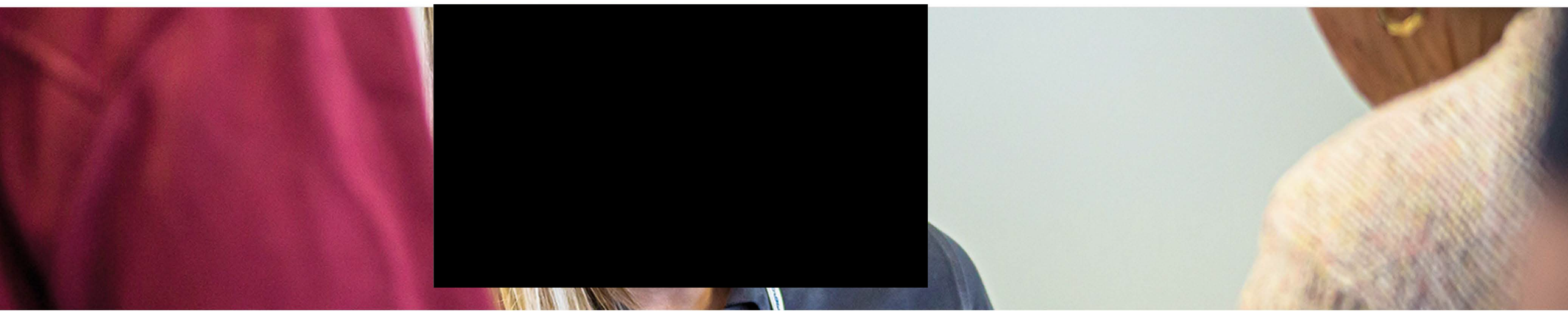

Ffurflen adborth

Cyffredinol

Section 6 of 6

6. A oes gennych unrhyw sylwadau ar unrhyw beth arall o fewn yr ymgynghoriad presennol hwn?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

- Cyffredinol
- Amgylcheddol
- Cymuned
- Adeiladu
- Masnachol
- **Cyffredinol**
- Your details **Complete**

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

Delweddau

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Gweld map

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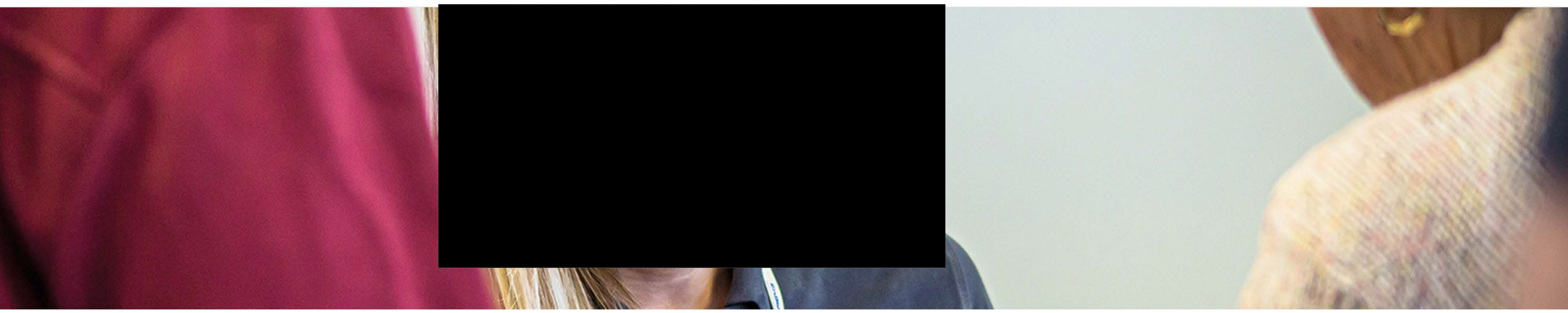

Ffurflen adborth

Teitl

Enw cyntaf*

Hannah

Enw olaf*

Pingriff

Cyfeiriad

[redacted]

Côd post*

[redacted]

Ffon

[redacted]

Ebost

[redacted]

A ydych yn ymateb ar ran sefydliad?

○ Oes ○ Na

Sefydliad

If yes, which one?

☑ Cofiwch roi gwybod i mi am y prosiectau cynnydd

Sut fyddech chi'n disgrifio'ch diddordeb ym mhrosiect Asedau Cynhyrchu Ffermydd Gwynt Alltraeth Morecambe?

- ☐ Grŵp diddordeb lleol
- ☐ Busnes lleol
- ☐ Preswylydd lleol
- ☐ Cynrychiolydd lleol
- ☐ Corff statudol
- ☐ Arall

Diddordeb arall

Nodwch ddiddordeb arall

Mynd yn ôl

Adolygwch eich adborth

Feedback sections

- Cyffredinol
- Amgylcheddol
- Cymuned
- Adeiladu
- Masnachol
- Cyffredinol
- **Your details** **Complete**

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

Delweddau

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Gweld map

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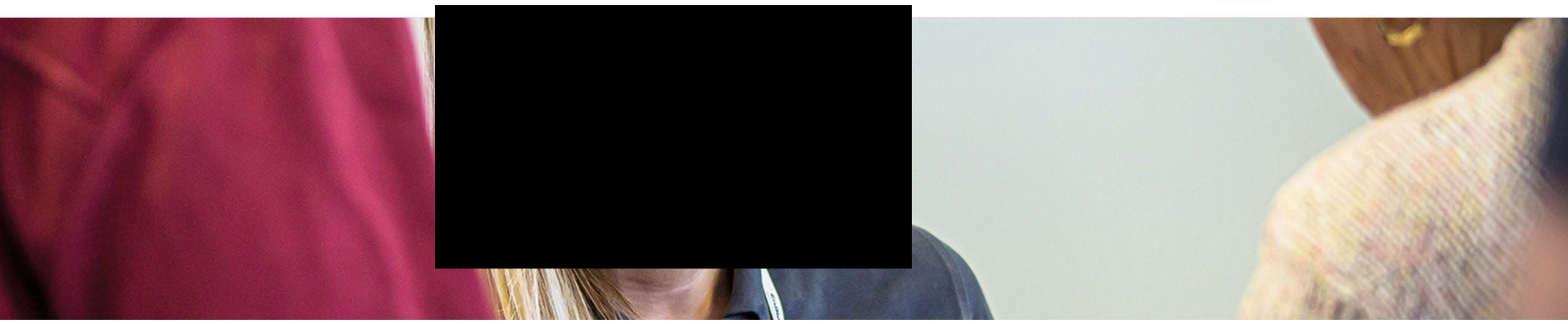

Ffurflen adborth

Adolygwch eich adborth

Cwestiwn	Eich ymateb
Teitl	
Enw cyntaf	Hannah
Enw olaf	Pingriff
Cyfeiriad	[redacted]
Côd post	[redacted]
Ffon	
Sefydliad	
Please keep me informed of the project's progress	on
Diddordeb arall	
Ebost	[redacted]

I'm not a robot

reCAPTCHA
Privacy - Terms

I gyflwyno'r ffurflen adborth hon, gofynnwn am ymateb dynol yn unig gan reCAPTCHA. Er mwyn i hyn weithio'n gywir, rhaid derbyn y defnydd o gwcis.

Mynd yn ôl

Cyflwyno'ch adborth

Feedback sections

- Cyffredinol
- Amgylcheddol
- Cymuned
- Adeiladu
- Masnachol
- Cyffredinol
- Your details **Complete**

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

Delweddau

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Gweld map

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Adborth llwyddiannus

Mae eich adborth wedi'i gyflwyno

Diolch am gyflwyno eich adborth. Byddwn yn adolygu pob un eich sylwadau ochr yn ochr ag adborth arall a chymerwch nhw i mewn cyfrif wrth i ni baratoi ein cais cynllunio.

Yn ôl adref

Cysylltwch â ni a chymerwch ran

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Map ymgynghori

Delweddau

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Gweld map

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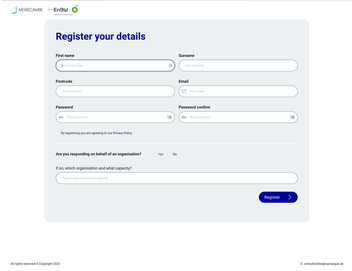
Sut i ddefnyddio ein map ymgynghori

Cofrestru

I roi eich adborth i ni ar y prosiect, bydd angen i chi gofrestru. Rhowch eich enw, e-bost, a chod post i ni a dywedwch wrthym os ydych yn ymateb ar ran sefydliad neu fel unigolyn.



Anfonir e-bost atoch i gadarnhau pwy ydych. Cliciwch ar y ddolen yn yr e-bost i gadarnhau. Os nad ydych wedi mewngofnodi'n awtomatig, cliciwch ar mewngofnodi.

Cliciwch yma i weld ein Polisi GDPR ar sut rydym yn rheoli data ar gyfer y prosiect hwn.

Mewngofnodi

Ewch i'r dudalen mewngofnodi a rhowch eich e-bost a'ch cyfrinair.

Anfonir e-bost atoch i gadarnhau pwy ydych. Cliciwch ar y ddolen yn yr e-bost i gadarnhau. Os nad ydych wedi mewngofnodi'n awtomatig, cliciwch ar mewngofnodi.

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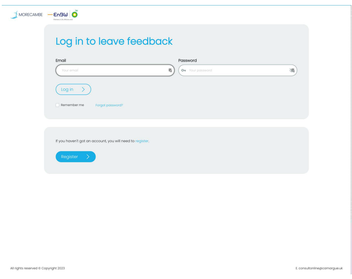
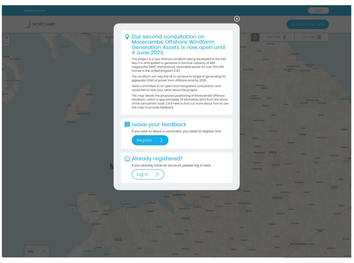
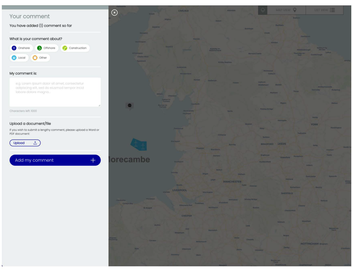


Ychwanegwch eich adborth

Gallwch glosio a symud y map o gwmpas i'r lleoliad yr hoffech adael adborth amdano.



Cliciwch ar y map a bydd panel yn popio allan i adael i chi adael sylw yn y pwynt hwnnw.



Gallwch ddewis y 'thema' sy'n cyfateb agosaf i'r pwynt rydych chi am ei wneud i ni. Os nad yw'ch sylw yn cyd-fynd â thema dewiswch 'Nid yw'n berthnasol i unrhyw un o'r themâu hyn'.

Teipiwch eich sylw yn y blwch testun. Os hoffech roi adborth hir (mwy na 1000 o nodau), ysgrifennwch eich sylw mewn dogfen, h.y. Word, a'i llwytho fel atodiad ar waelod y dudalen.

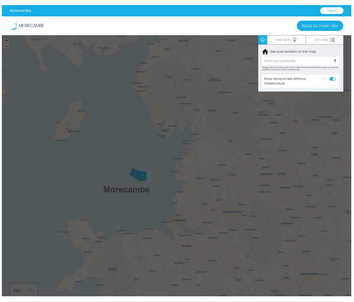
Cliciwch ar 'Ychwanegu fy sylw' i ychwanegu eich adborth at y map. Bydd eich pwyntydd yn ymddangos ar y map. Mae hyn yn bwysig gan na fydd eich sylw yn cael ei gofrestru oni bai eich bod yn clicio ymaa i'w anfon atom.

Sylwer: ni allwch olygu sylw ar ôl iddo gael ei gyflwyno. Os hoffech adael adborth ychwanegol, ychwanegwch sylw pellach.

Nodweddion

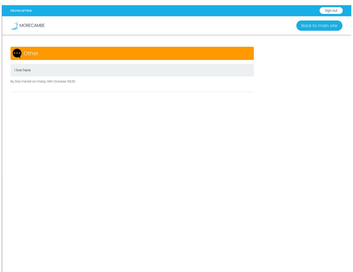
Amlinelliad y prif gynllun a phlotio'ch lleoliad

Gallwch droi graffig y prif gynllun ymlaen ac i ffwrdd trwy glicio ar yr eicon haenau a dewis 'Dangos amlinelliad o'r prif gynllun'. Gallwch hefyd nodi'ch cod post a phlotio'ch cartref ar y map i weld pa mor agos ydych chi i'r ardal (sylwer nad oes modd gweld lleoliadau sydd ymhellach na 2km o'r ardal ymgynghori).



Golwg rhestr

Gallwch weld rhestr o'ch holl adborth naill ai ar y map neu drwy ddefnyddio'r 'golwg rhestr':



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Map ymgynghori

Delweddau

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Gweld map

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MORECAMBE

Appendix D28
Statutory Consultation Website (English)

Welcome to Morecambe Offshore Windfarm

We're now holding a public consultation on our latest proposals which will run for **47 days, from 19 April to 4 June 2023**. We're committed to an open and transparent consultation and would like to hear your views about the Project.

This is our second consultation on the latest design of the Project. This website provides an overview of the work we've carried out following the feedback we received during our first consultation in 2022. We're encouraging feedback on the work we've undertaken at this consultation.

This stage of consultation is a statutory requirement of the Development Consent Order (or 'DCO') process, in accordance with the Planning Act 2008.

This project is categorised as a Nationally Significant Infrastructure Project (or 'NSIP') under the Planning Act 2008. This means we're required to make an application for a DCO which grants us permission to build, operate, and maintain the Project.

More information about how to provide your feedback can be found on links in the sidepanel. *Please note that your feedback doesn't need to be limited to the areas covered on this website. We would like to hear any thoughts you may have.*

You can also view all our consultation materials on our Consultation hub. This includes our Preliminary Environmental Information Report (or 'PEIR'), which forms the basis of this consultation.

View Consultation hub

Contact us and take part

Should you have any queries regarding this consultation please get in touch with us using one of the methods below:

- **Email us:** hello@morecambeoffshorewind.com
- **Call us:** 0800 915 2493 (option 2)
- **Write to us:** FREEPOST MORECAMBE GENERATION

You can leave us feedback by using our consultation map link below. Or you can also fill in an online feedback form here.

All responses to this consultation must be received by midnight 4 June 2023. Responses received after this date may not be considered.

Consultation map

Visualisations

The size, number and positioning of our turbines have yet to be decided. But at this early stage we've created indicative 3D visualisations to show potential views of the Morecambe Offshore Windfarm from a range of onshore locations.

View map

Meet the team

We encourage you to come along to one of our in-person or online public consultation events. Visit our meet the teams page for more information about our events.

Find an event

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What the Project will look like

We expect that the Project will comprise of the following elements:

- Up to 40 wind turbine generators (WTGs)
- Up to two offshore substation platforms (OSPs)
- Platform link (interconnector) cables
- Inter-array cables

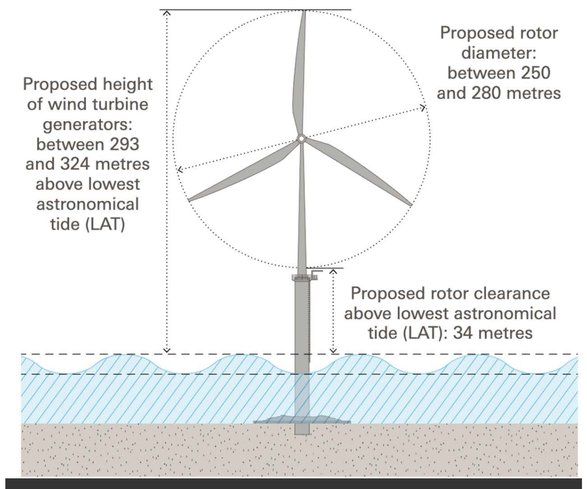
WTGs and OSPs will be located within the offshore windfarm site and be fixed to the seabed with foundation structures.

Inter-array cables will connect the WTGs to each other and carry renewable energy to the OSPs. The OSPs will convert the power to a suitable voltage. This is then transferred into the electricity transmission network via the existing National Grid substation at Penwortham in Lancashire

For more information about the transmission part of the project and why a separate DCO application is needed for this, visit transmission.

WTGs will be set out in rows. The minimum space between each individual WTG in a row is estimated to be around 990 metres (0.99 kilometres). The minimum space between each row of WTGs is estimated to be around 1,760 metres (1.76 kilometres).

The seabed conditions and the presence of existing infrastructure will influence the final layout of the WTGs within the site boundary. This may lead to an increase in the gaps between turbines and rows (as described above).



Click image to enlarge

Indicative diagram of what a typical WTG could look like. Actual design may differ. The above image is not to scale and for illustrative purposes only.

Contact us and take part

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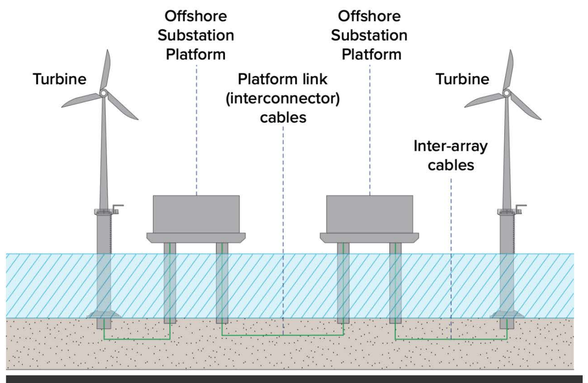
View map



Click image to enlarge

The components of Morecambe Offshore Windfarm Generation Assets

This information is based on our current understanding of the Project and will be refined ahead of submitting our DCO application. These numbers are assuming the generation of 480MW of electricity.

Fast facts: WTGs

- Proposed number of WTGs: **up to 40**
- Proposed rotor diameter: **between 220 and 300 metres**
- Proposed maximum tip height of wind turbine: **up to 345 metres above the highest astronomical tide (HAT)**
- Example rotor speed range: **between 6 and 10 revolutions per minute (RPM)**
- Minimum rotor clearance above sea level (HAT): **22 metres**

Fast facts: OSPs

- Proposed maximum number of OSPs: **2**
- Proposed maximum topside width ('topside' meaning the main structure on top of the foundations above the sea surface): **55 metres**
- Proposed maximum topside length: **80 metres**
- Proposed highest point of topside (above LAT), excluding the helicopter landing pad and lightning protection: **65 metres**

Fast facts: Inter-array cables

These are installed to connect individual WTGs and also to connect the wind turbine generators to the OSPs.

- Proposed maximum width of disturbance due to the preparation, installation and burying of inter-array cables beneath the seabed: **25 meters**
- Proposed depth range for burying inter-array cables: **0.5 to 3 metres (target depth of 1.5m)**
- The maximum total length of inter-array cables is 1**10 kilometres**. At most, we anticipate **10%**of the cable length requiring protection due to ground conditions (11 kilometres).

Fast facts: Platform link (interconnector) cables

Should the project require two OSPs, platform link cables will be needed to connect each OSP to enable the transfer of electricity. They would also ensure that electricity transmission can continue in the unlikely event that a cable or OSP should unexpectedly fail.

- Proposed maximum number of cables (and trenches): **2**
- Proposed maximum length of cable (per cable): **5 kilometres**
- The maximum total length of platform link cables is 10km. At most, we anticipate **10%** of the cable requiring cable protection due to ground conditions (1km)

For more information about how we plan to build the Project, please see our PEIR on our consultation hub.

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About the project

At its nearest point, the Project will be approximately 30km from the shore of the Lancashire coast.

When fully operational, our windfarm is anticipated to generate a nominal capacity of 480MW and produce renewable power for over **500,000 homes** in the UK, as well as providing a viable alternative to fossil fuel powered energy generation plants.

This Project will play a key role in tackling climate change by:

- Generating low carbon electricity from an offshore windfarm in support of the decarbonisation and security of the UK electricity supply.
- Optimising generation capacity within the constraints of available sites and grid infrastructure.
- Delivering a significant volume of offshore wind in support of the UK Government's Net Zero by 2050 target and commitment to deliver up to 50GW of offshore wind by 2030.
- Contribute to achieving the aims of the UK's Energy Security Strategy.

Our aims are also to:

- Co-exist and collaborate with other activities, developers and operators to enable the balance of different users.
- Contribute to the local, regional and national economy by providing investment, as well as employment and new infrastructure during all phases of the Project.
- Continue to drive down technology and development costs to help provide lowcost energy to consumers and provide community benefits to help contribute to the fight against fuel poverty.
- Align with the key drivers in current and planned updates to national policy.

The exact layout of the Project's infrastructure is still being developed and will not be finalised until the Project has been granted consent by the Planning Inspectorate and Secretary of State for the Department for Energy Security and Net Zero. Due to the complexity of the Project, many details will likely remain unknown to us at the time of submitting our application, including the:

- Precise number, location and configuration of the wind turbine generators (WTGs), offshore substation platforms (OSPs) and any associated development.
- Type of foundation to install the turbines and any associated development.
- Exact height of the tip of the turbine rotors and the diameter of the rotors.

Contact us and take part

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- **Call us:** 0800 915 2493 (option 2)
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Consultation map

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View map

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.

Read more

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.

Read more

Next steps

Once this consultation closes on 4 June 2023, we will consider all the feedback we have received alongside carrying out further technical, engineering and environmental work.

Read more

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About us

Morecambe Offshore Windfarm (referred to throughout this brochure as 'the Project') is being developed as a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra), and Flotation Energy Limited.

About Cobra

Cobra is a world leader in the development, construction and management of industrial infrastructure and energy projects, with more than 75 years of experience

About Flotation Energy

Flotation Energy is a United Kingdom-based offshore wind development company which has a growing project pipeline of offshore wind projects. The expertise of the Flotation Energy team lies in the project management and engineering of large infrastructure projects.

The importance of renewable energy

The UK 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 as a society need to reduce greenhouse gas emissions to reach 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.

Renewable energy is central to supporting the UK's ambition 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.

To meet 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.

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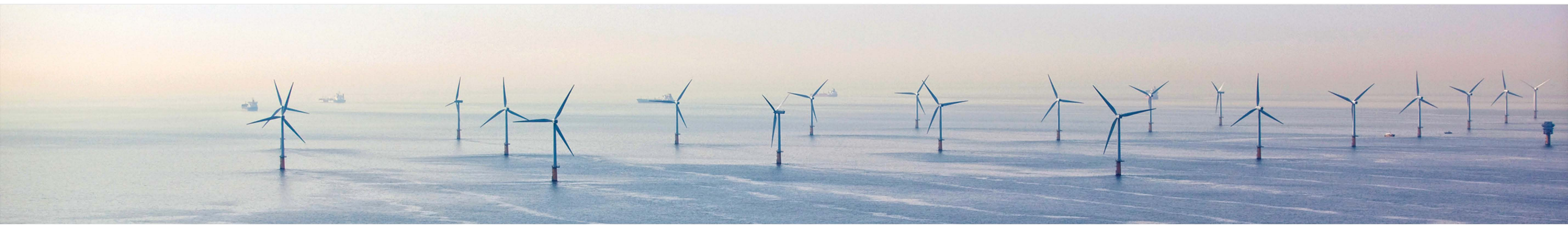

Our work so far

In June 2022 we published a Scoping Report which set out what we understood at the time to be the Project's likely effects on the environment and how we would assess them.

Our Scoping Report was followed by the Secretary of State's Scoping Opinion, which was provided in August 2022.

Since then, we've been carrying out a range of environmental assessments to better understand the potential impacts of the Project on the environment. We also continue to engage with stakeholders to understand in greater detail the area that we're proposing to work in.

Our environmental assessments are undertaken using a wide range of data sources, including project specific surveys. To date, we've undertaken the following surveys:

- **Geophysical surveys** – to distinguish the physical characteristics of the site (surface and subsurface).
- **Benthic surveys** – to identify and map any habitats. Video footage and a collection of sediment samples have been taken.
- **Aerial surveys** – to record any birds and marine mammals seen across the site. So far, we have processed a year's worth of data and have another year's worth of data that will feed into our final assessment.
- **Viewpoint photography** – to analyse the existing views in comparison to indicative views of the proposed Project.
- **Marine vessel traffic surveys** – two 14-day at sea surveys were undertaken to record vessel activity in the area around the Project.

Using the wide range of data gathered, we have produced a Preliminary Environmental Information Report (PEIR). The PEIR provides a summary of the Project, the site selection process, engineering design development and the key findings of the Environmental Impact Assessment (EIA) process to date.

The purpose of the EIA is to allow stakeholders to develop an informed view of the development, as required by The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017).

The PEIR also covers a comprehensive range of environmental topics. It presents assessments and potential impacts that were specified within the Planning Inspectorate's Scoping Opinion, on behalf of the Secretary of State. Throughout our PEIR, we have set out how we have addressed the comments included in the Scoping Opinion.

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Assessments have been supported by a wide range of analysis, including:

- **Underwater noise modelling** – to understand effects, particularly in the construction phase during potentially noisy activity (such as piling).
- **Collision risk modelling** – to predict the number of birds that would be at risk of encounters with turbines or rotor blades.
- **Radar line of sight modelling** – to identify the radars likely to detect the Project.
- **Marine vessel traffic surveys** – two 14-day at sea surveys were undertaken to record shipping activity in the area around the Project.
- **Navigational risk assessment** – to identify and assess the hazards and risks affecting vessel navigation. This was undertaken alongside other neighbouring projects.

As described in chapter 6 of the PEIR (Methodology), all PEIR chapters provide an overview of the existing environment, followed by an assessment of the potential effects and associated mitigation during all phases of the Project.

Cumulative effects with other plans and projects are also assessed when considered with the Project.

The assessments for most topics concluded that the Project will not result in significant effects, alone or when considering the Project alongside other activities, plans and projects. Certain mitigations identified will need to be agreed and further developed with stakeholders. For topics where significant effects have been identified, further analysis and assessments are being undertaken.

The findings are detailed in each chapter of the PEIR and have been summarised in a Non-Technical Summary, with information on some of the topics here:

Ornithology

The assessment on seabirds during construction includes disturbance and displacement and indirect effects on habitats and prey species, including sensitive species such as the red-throated diver (pictured). Additionally, during the operation and maintenance phases, potential impacts also include collision risk.

No significant adverse effects were identified for the Project alone. This included any risk to collisions with turbines, which is assessed as no greater than minor, and not significant, for all species recorded in flight at the windfarm site. This includes the most sensitive species, such as gannet, kittiwake (pictured), common gull, herring gull, lesser black-backed gull and great black-backed gull.

The cumulative assessment, when including other plans and projects in the area, will be considered in more detail as the EIA progresses and when all data is available.

Socioeconomic, tourism and recreation

Our assessment drew on a range of publicly available statistics for the local study area: Liverpool, Halton, Sefton, Wirral, Copeland, South Lakeland, Barrow-in-Furness, Blackpool, Fylde, Lancaster, West Lancashire, Wyre, Cheshire West and Chester, Denbighshire, and Flintshire, as well as the UK as a whole.

No significant effects on the tourism economy, recreational activities or community assets were identified.

Potential benefits will arise from an increase in expenditure, and a resulting boost for the economy during construction, operation and maintenance of the Project.

There's potential for the creation of employment opportunities during all phases, in particular during the construction phase of the Project.

Marine mammals

Our work to date has enabled us to identify the most relevant marine mammals in the area, including harbour porpoise (pictured), bottlenose dolphin, common dolphin, Risso's dolphin, white-beaked dolphin, minke whale, grey seal and harbour seal.

Underwater noise modelling was carried out to better understand the impact of underwater noise effects on marine mammals.

Underwater noise modelling was carried out to better understand the impact of underwater noise effects on marine mammals.

The cumulative assessment, when including other plans and projects in the area, will be considered in more detail as the EIA progresses and when all data is available.

Seascape, Landscape and Visual Impact Assessment (SLVIA)

For the assessments, the study area included the English counties of Cumbria, Lancashire and Merseyside; a southern terrestrial area, including the Welsh counties of Flintshire, Denbighshire, Conwy, Gwynedd and the Isle of Anglesey; and a western offshore area, defined by the waters of the Irish Sea and the Isle of Man

The assessments identified that most views of the Project are either distant and/or dominated by existing offshore windfarms. The areas with the most visual effects, which are deemed to be significant, are limited to areas along the Fylde and Sefton coastline.

Although there are localised effects on views from this section of the coast, the effects will only occur during infrequent periods of excellent, long-range visibility, and will not occur during most prevailing conditions.

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Interactions with other marine users

We have conducted a range of assessments within our study area to see how our proposed windfarm site could possibly impact other users and industries. For example, commercial fisheries, oil and gas infrastructure, shipping and navigation.

Below we've provided an overview of the results for some of these assessments. More detailed information about the assessments carried out and the subsequent results can be found in chapters 13 (Commercial Fishing), 14 (Shipping and Navigation), 16 (Civil and Military Aviation and Radar) and 17 (Infrastructure and Other Users) of our PEIR and in the PEIR NTS in our consultation hub.

Commercial fisheries

Commercial fishing activity has been characterised using landings statistics, vessel monitoring, surveillance data, and engagement with the fishing industry. Based on an analysis of the location of the windfarm site, fishing activity is expected to be dominated by larger vessels potting for whelk, and to a lesser extent dredging for scallops.

With mitigation for the construction period, it has been assessed that the effects from the Project are minor. When considering other plans and projects in the area, further assessment will be undertaken.

The Project will continue to engage with stakeholders in the region related to commercial fisheries and explore how we can further mitigate any potential impacts.

Shipping and navigation

In the study area, data shows that service vessels associated with existing offshore windfarms and oil and gas infrastructure account for a large proportion of vessel movements. Large vessels passing through the windfarm site are predominantly ferries and service vessels, and commercial cargo. Tanker routes are of low frequency in the windfarm site. Four principal operators were identified in the eastern Irish Sea through our assessments:

- **Isle of Man Steam Packet Company**, operating between Douglas, Liverpool and Heysham.
- **Seatruck**, operating between Heysham, Liverpool, Warrenpoint and Belfast.
- **Stena**, operating between Liverpool, Heysham and Belfast.
- **P&O**, operating between Liverpool and Dublin.

Contact us and take part

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View map

Our assessments found that while our Project would affect the Liverpool to Douglas and Liverpool to Belfast ferry routes, only the Liverpool to Belfast route would require a small additional travel distance as a result of the Project. The impacts from the Project alone were assessed as not significant. However, mitigations have been identified to reduce these effects further.

When considering the Project with other plans and neighbouring projects, significant effects have been identified. Through ongoing assessments and continued engagement with stakeholders and regulators we will aim to implement suitable mitigation measures and explore possible additional measures ahead of developing our Environmental Statement and submitting our DCO application.

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Consultation Hub

On this page you can view and download a selection of materials that provide more information about the Morecambe offshore and onshore wind projects.

Should you require any of these materials in a more accessible format, or in a different language, please contact the project team by emailing **hello@morecambeoffshorewind.com** or calling **0800 915 2493 (option 2)**.

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Consultation map

Statutory consultation materials

Consultation materials

PEIR and PEIR Non-Technical Summary

View PEIR Documents

View Non-Technical Summary

Consultation Brochure (Single pages)

Download

Consultation Brochure (Spread pages)

Download

Feedback Form

Download

Statement of Community Consultation (SoCC)

Download

Section 42 Notice

Download

Section 47 Notice (a notice publicising the SoCC)

Download

Section 48 Notice (duty to publicise)

Download

Deposit Locations

Download

Consultation Poster

Download

Visualisations

Visualisations of what the Project will look like

Download

Preliminary Environmental Information Report (PEIR)

- Preliminary Environmental Information Report (PEIR) Chapter 1
- Preliminary Environmental Information Report (PEIR) Chapter 2
- Preliminary Environmental Information Report (PEIR) Chapter 3
- Preliminary Environmental Information Report (PEIR) Chapter 4
- Preliminary Environmental Information Report (PEIR) Chapter 5
- Preliminary Environmental Information Report (PEIR) Chapter 6
- Preliminary Environmental Information Report (PEIR) Chapter 7
- Preliminary Environmental Information Report (PEIR) Chapter 8
- Preliminary Environmental Information Report (PEIR) Chapter 9
- Preliminary Environmental Information Report (PEIR) Chapter 10
- Preliminary Environmental Information Report (PEIR) Chapter 11
- Preliminary Environmental Information Report (PEIR) Chapter 12
- Preliminary Environmental Information Report (PEIR) Chapter 13
- Preliminary Environmental Information Report (PEIR) Chapter 14
- Preliminary Environmental Information Report (PEIR) Chapter 15
- Preliminary Environmental Information Report (PEIR) Chapter 16
- Preliminary Environmental Information Report (PEIR) Chapter 17
- Preliminary Environmental Information Report (PEIR) Chapter 18
- Preliminary Environmental Information Report (PEIR) Chapter 19
- Preliminary Environmental Information Report (PEIR) Chapter 20
- Preliminary Environmental Information Report (PEIR) Chapter 21
- Preliminary Environmental Information Report (PEIR) Chapter 22
- Reports
- Non-Technical Summary

Non-statutory consultation materials

Consultation materials

Morecambe and Morgan consultation brochure - Autumn 2022

Download

Recording of online consultation event

Watch

Morecambe Offshore Wind Farm Scoping Report

Download

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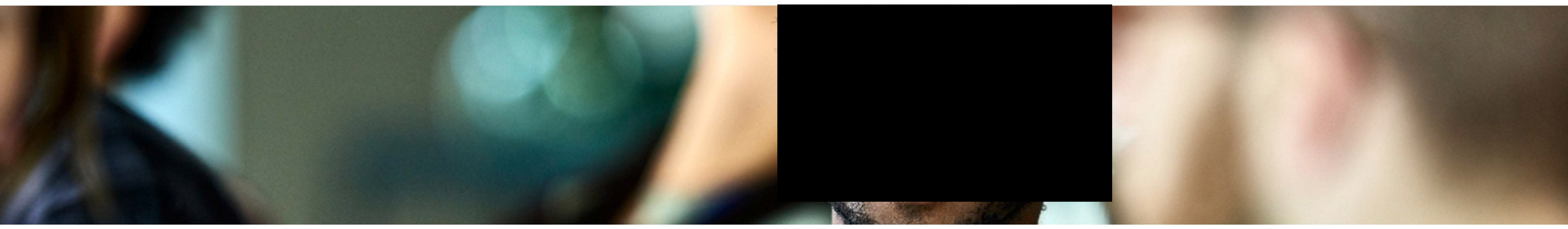

Meet the teams

You can find out more about Morecambe Offshore Windfarm Generation Assets

We will be holding a series of public consultation events where you can meet our team, find out more about the Project, and ask any questions you might have. You can either come and see us inperson or join our online event, which will include a question-and-answer session. Full details of our events are below.

Should you experience any issues while trying to register to attend our online consultation events, then please contact one of the project teams:

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Consultation events		
Location	**Date**	**Time**
Llanddulas Village Hall Beulah Avenue, Llanddulas, Abergele LL22 8FH	Thur 4 May	3pm to 7pm
St Asaph Parish Church 1 High Street, St Asaph LL17 0RG	Fri 5 May	3pm to 6pm
Winter Gardens, Blackpool 97 Church Street, Blackpool FY1 1HL	Wed 10 May	3pm to 7pm
Fylde Rugby Football Club Woodlands Memorial Ground, Blackpool Road, Lytham St Annes FY8 4EL	Fri 12 May	3pm to 7pm
Kingsfold Methodist Church Hawksbury Drive, Kingsfold, Penwortham PR1 9EN	Sat 13 May	10am to 1pm
Ramsey Town Hall Parliament Square, Ramsey, Isle of Man IM8 1RT	Thur 18 May	3pm to 7pm
Bodelwyddan Village Hall Ronaldsway, Bodelwyddan, Rhyl LL18 5TE	Fri 19 May	3pm to 7pm
Douglas Borough Council Town Hall, Ridgeway Street, Douglas, Isle of Man IM99 1AD	Fri 19 May	3pm to 7pm
Neuadd Owen Village Hall Cefn Meiriadog, St Asaph, Denbighshire LL17 0EY	Sat 20 May	10am to 1pm
Hutton Village Hall Moor Lane, Hutton, Preston PR4 5SE	Mon 22 May	3pm to 7pm
Royal Clifton Hotel Southport Promenade, Southport PR8 1RB	Wed 24 May	4pm to 8pm
Pop-up events		
Location	**Date**	**Time**
Llandudno Library Mostyn Street, Llandudno LL30 2RP	Wed 3 May	2pm to 5pm
Rhyl Tourist Information Centre The Village, West Parade, Rhyl LL18 1HZ	Thur 4 May	10am to 1pm
Amlwch Library Parys Road, Amlwch LL68 9AB	Sat 6 May	10am to 12pm
Barrow Park Leisure Centre Greengate Street, Barrow-in-Furness LA13 9DT	Thur 11 May	10am to 1pm
Affinity Outlet Shopping Lancashire Anchorage Road, Fleetwood FY7 6AE	Tue 23 May	10am to 1pm
Preston Market 28 Market Street, Preston PR1 2AR	Wed 24 May	10am to 1pm
Waitrose & Partners Formby Three Tuns Lane, Formby, Liverpool L37 4AJ	Thur 25 May	10am to 1pm
Wallasey Junction One Retail Park Bidston Moss, Wallasey CH44 2HE	Thur 25 May	3pm to 6pm
Online events		
Location	**Date**	**Time**
Online Zoom Consultation event: Click to Register Here	**Tues 16 May**	6pm to 7pm

Please refer back to this page before attending any consultation events in case of unexpected cancellation.

Visit one of our Deposit locations

Throughout the consultation period you can visit one of the deposit locations listed and pick up paper copies of our brochure, feedback form, PEIR NTS and Statement of Community Consultation (or 'SoCC'). Please note that opening times of deposit locations may vary so please refer to the venues' websites before visiting.

View locations

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Visualisation map

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Please note: to view this map, the use of cookies on this website must be accepted.

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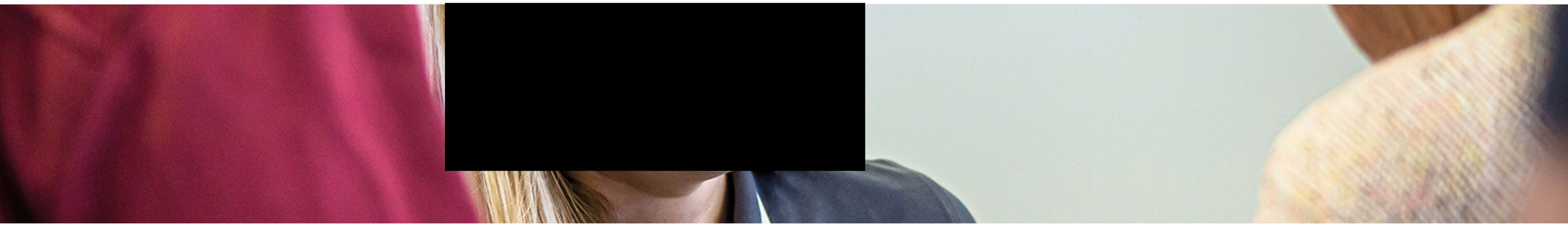

Feedback form

Environmental

Section 2 of 6

2. Do you have any comments on our work to understand the technical and environmental constraints of the areas offered to us by the Crown Estate as part of its Round 4 leasing process?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

- General
- **Environmental**
- Community
- Construction
- Commercial
- General
- Your details **Complete**

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The size, number and positioning of our turbines have yet to be decided. But at this early stage we've created indicative 3D visualisations to show potential views of the Morecambe Offshore Windfarm from a range of onshore locations.

View map

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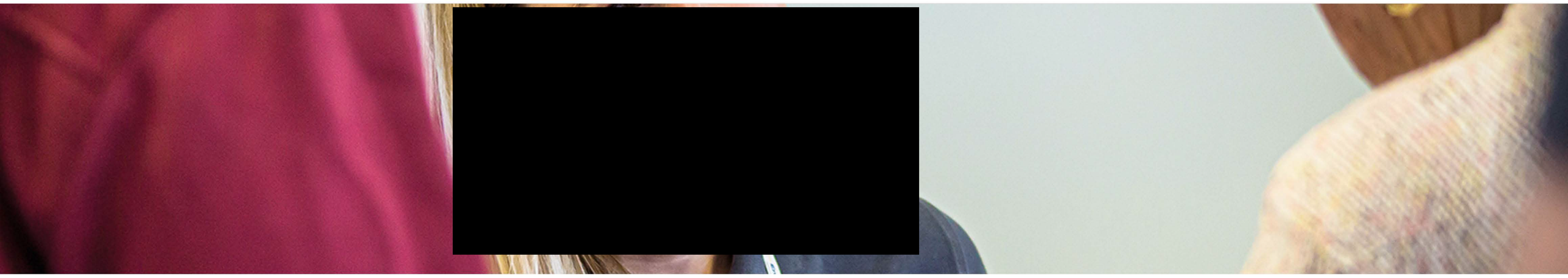

Feedback form

Community

Section 3 of 6

3. Do you have any comments on the possible community benefits of Morecambe Offshore Windfarm, and how the project can support the local, regional and national economy?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

General

Environmental

Community

Construction

Commercial

General

Your details **Complete**

Contact us and take part

Should you have any queries regarding this consultation please get in touch with us using one of the methods below:

- **Email us:** hello@morecambeoff-shorewind.com
- **Call us:** 0800 915 2493 (option 2)
- **Write to us:** FREEPOST MORECAMBE GENERATION

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View map

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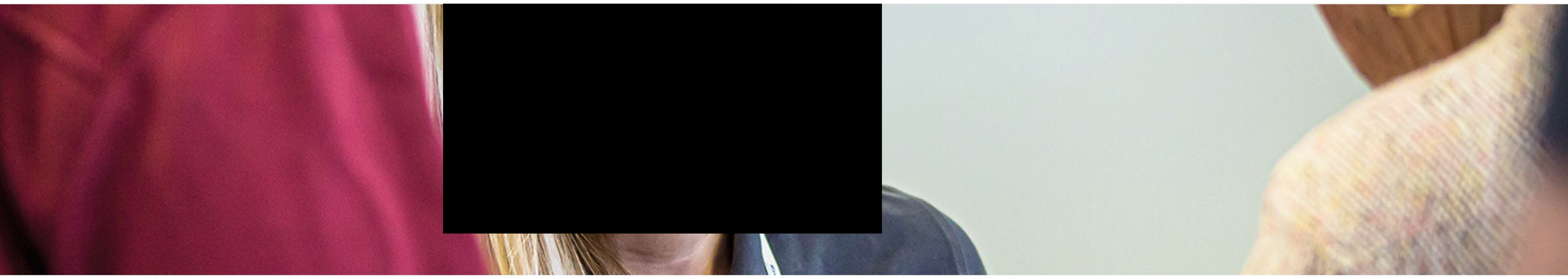
POWERED BY Camargue

Privacy policy | Cookie policy



Feedback form

Commercial

Section 5 of 6

5. Do you have any comments on how our Project interacts with commercial fisheries, shipping and navigation?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

General

Environmental

Community

Construction

Commercial

General

Your details **Complete**

Contact us and take part

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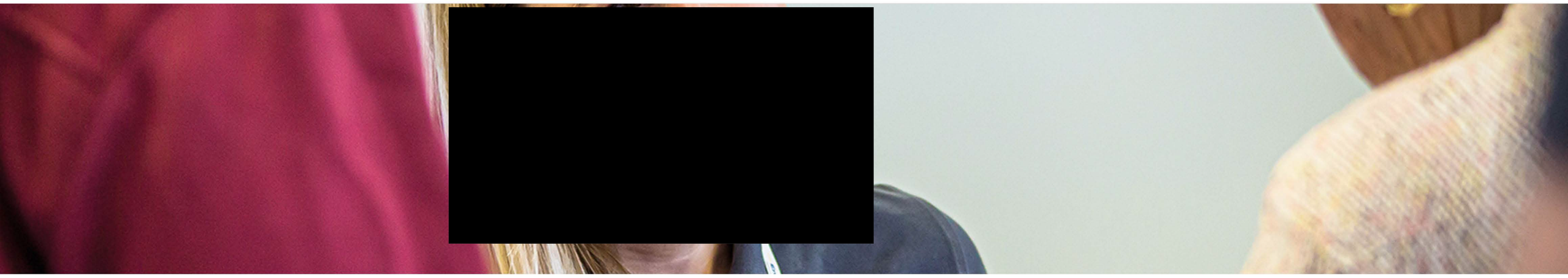

Feedback form

General

Section 6 of 6

6. Do you have any comments on anything else within this current consultation?

Characters remaining: **7000**

Enter your feedback

Go back

Continue

Feedback sections

General

Environmental

Community

Construction

Commercial

General

Your details **Complete**

Contact us and take part

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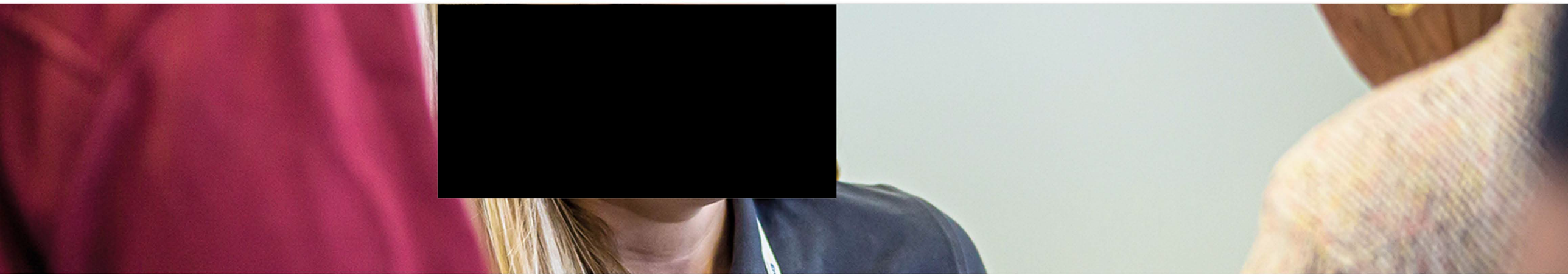

Feedback form

Title

First name*

Hannah

Last name*

Pingriff

Address

[redacted]

Postcode*

[redacted]

Phone

[redacted]

Email

[redacted]

Are you responding on behalf of an organisation?

○ Yes ○ No

Organisation

If yes, which one?

☑ Please keep me informed of the project's progress

How would you describe your interest in the Morecambe Offshore Windfarm Generation Assets project?

- ☐ Local interest group
- ☐ Local business
- ☐ Local resident
- ☐ Local representative
- ☐ Statutory body
- ☐ Other

Other Interest

Specify other interest

Go back

Review your feedback

Feedback sections

- General
- Environmental
- Community
- Construction
- Commercial
- General
- **Your details** Complete

Contact us and take part

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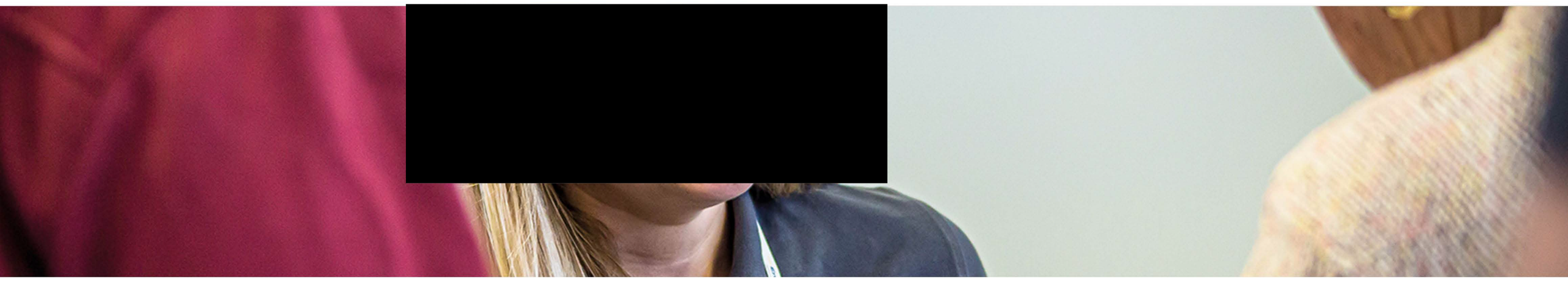

Feedback form

Question	Your response
Title	
First name	Hannah
Last name	Pingriff
Address	
Postcode	
Phone	
Organisation	
Please keep me informed of the project's progress	on
Other interest	
Email	

I'm not a robot

reCAPTCHA
Privacy - Terms

To submit this feedback form, we ask for a human-only response from a reCAPTCHA. For this to work correctly, the use of cookies must be accepted.

Go back

Submit your feedback

Feedback sections

- General
- Environmental
- Community
- Construction
- Commercial
- General
- Your details **Complete**

Contact us and take part

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View map

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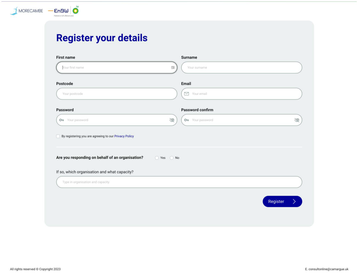
Using our consultation map

Register

To give us your feedback on the project, you will need to register. Please provide us with your name, email, and postcode and tell us if you are responding on behalf of an organisation or as an individual.

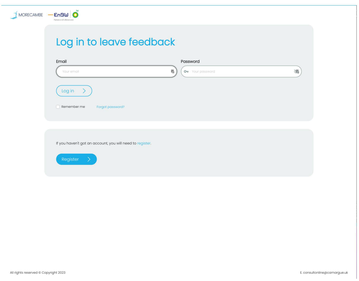


You will be sent an email to confirm your identity. Please click the link in the email to confirm. If you are not automatically logged in please click on login.

Click here to view our GDPR Policy on how we manage data for this project.

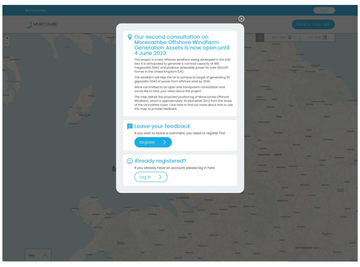
Login

Visit the login page and enter your email and password.

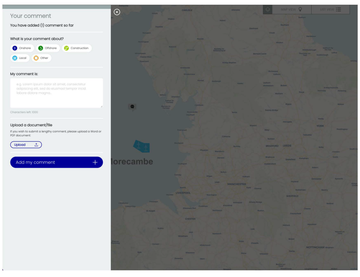


Add your feedback

You can zoom and move the map around to the location you wish to leave feedback.



Click on the map and a panel will pop out to allow you to leave a comment at that point:



You can select the 'theme' that is the closest match to the point that you want to make to us. If your comment doesn't match a theme please select 'Doesn't apply to any of these themes'.

Type your comment into the text box. If you wish to provide lengthy feedback (greater than 1000 characters), please write your comment in a document i.e. Word and upload it as an attachment at the bottom of the page.

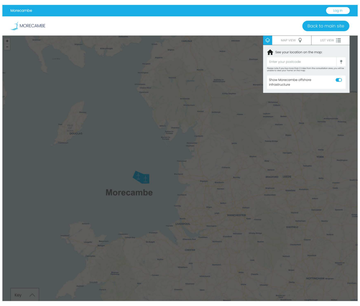
Click on 'Add my comment' to add your feedback to the map. Your pointer will appear on the map. This is important as your comment will not be registered unless you click here to send it to us.

Please note: You are unable to edit a comment once it has been submitted. If you wish to leave additional feedback please add a further comment.

Features

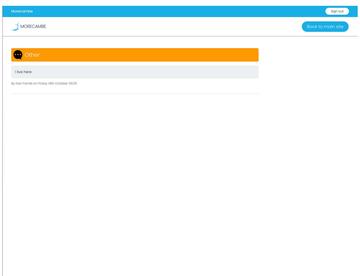
Masterplan outline and plot your location

You are able to turn the masterplan graphic on and off by clicking on the layers icon and selecting 'Show masterplan outline'. You can also enter your postcode and plot your home on the map to see how close you are to the area (please note that locations further than 2km from the consultation area are not viewable).



List view

You can view a list of all of your feedback either on the map or using the 'list view':



Contact us and take part

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View map

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MORECAMBE

Appendix D29
Statutory Consultation Social Media Posts

Flotation Energy
9,744 followers
1yr • Edited •

We're pleased to announce that the Statement of Community Consultation (SOCC) is now available for our Morecambe Offshore Windfarm.

The SoCC sets out our proposed approach to consultation for the Morecambe Offshore Windfarm: Generation Assets. It's designed to help members of the public understand how they can take part in the consultation and which parts of the project they can influence.

To view the SoCC, please visit our website at: https://buff.ly/3nFofrT.

#OffshoreWind #Renewables

Flotation Energy
9,744 followers
11mo •

Today we launched our next round of consultation on the Morecambe Offshore Windfarm Generation Assets.

The Morecambe Offshore Windfarm is being developed through a joint venture between Cobra Instalaciones y Servicios, S.A. and Flotation Energy. At its nearest point, the windfarm site is approximately 30km from the shore of the Lancashire coast and is anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes. It will also help the UK to achieve its target of generating 50GW of power from offshore wind by 2030.

The consultation will be open until 4 June 2023. We look forward to hearing from individuals and community groups on all aspects of this remarkable project. To find out more about the consultation and how you can take part, please visit: https://buff.ly/3nFofrT

For our latest joint news release on the Morecambe and Morgan project please visit: https://buff.ly/3ULv47H

Flotation Energy
9,744 followers
11mo •

We're holding public consultation events throughout May to discuss and answer questions regarding the Morecambe Offshore Windfarm Generation Assets.

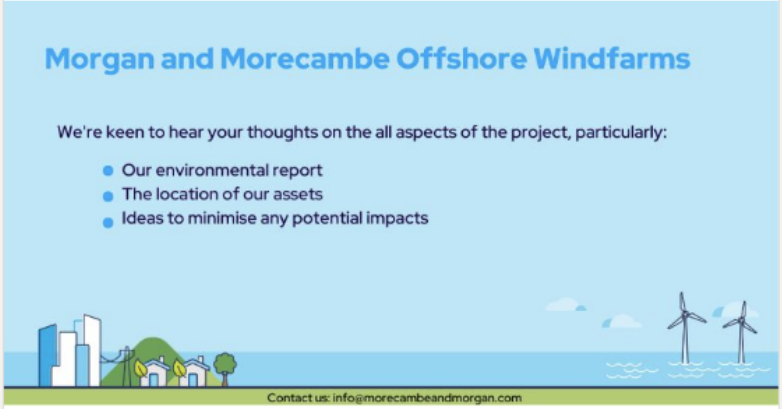
If you would like to get in touch or have a question about the project and the consultation, please pop along to one of the sessions. Alternatively, please contact a member of the project team on 0800 915 2493 (option 2) or via email: hello@morecambeoffshorewind.com

The list of dates and event locations can be found here: https://buff.ly/3nFofrT

Flotation Energy
9,745 followers
11mo •

Throughout May, we're holding public consultation events for the Morgan and Morecambe Offshore Windfarms' Transmission Assets. The list of dates and event locations can be found here. https://buff.ly/3py5lhT

If you would like to get in touch or have a question about the project and the consultation, please pop along to one of the sessions. Alternatively, please contact a member of the project team on 0800 915 2493 (option 3) or via email to info@morecambeandmorgan.com



Flotation Energy
9,746 followers
11mo •

As part of our Morecambe Offshore Windfarm Generation Assets consultation, we're hosting a webinar on the 16 May 2023 from 6pm to 7pm.

We'll present our proposals and hold a Q&A session at the end. For more information about the event and how to register to join, visit: https://buff.ly/3nFofrT.

Flotation Energy
9,746 followers
10mo •

Local consultations for UK windfarms: Morecambe, Morgan and Mona will end on 4 June 2023 after six weeks of events for local stakeholders and residents. The online consultation hub is still available for those wanting to provide feedback, to access the events schedule, or find out further details on the projects. With our joint venture partner Cobra Instalaciones y Servicios, S.A we are developing the Morecambe windfarm.

We'd love to hear your thoughts on these pioneering windfarms and welcome all feedback, as this helps us ensure that we're developing our projects in the most effective and collaborative way possible. Please note that responses to this consultation must be submitted by midnight on 4 June.

To find out more or to submit a response please visit: https://lnkd.in/e5B8X7NV

MORECAMBE

Appendix D30
Statutory Consultation Digital Advertisement (Isle of Man)

BP ENBW Morgan, Morecambe, Transmission and Mona digital ads
Isle of Man only
MMMT-Billboard_970px x 250px_4 tiles

BP ENBW Morgan, Morecambe, Transmission and Mona digital ads Isle of Man only
MMMT-Leaderboard_728px x 90px_4 tiles

Morecambe Offshore Windfarm
Consultation open: 19 April to 4 June 2023

MORECAMBE

Morgan Offshore Wind Project
Consultation open: 19 April to 4 June 2023

EnBW bp
Partners in UK offshore wind

Joint Transmission Assets
Consultation open: 19 April to 4 June 2023

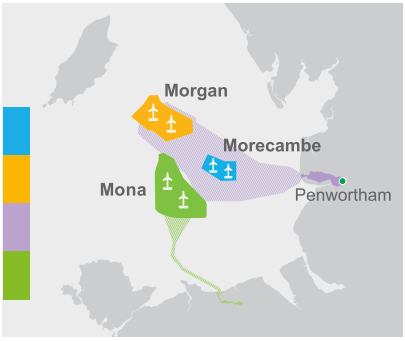
EnBW bp
Partners in UK offshore wind
MORECAMBE

Mona Offshore Wind Project
Consultation open: 19 April to 4 June 2023

EnBW bp
Partners in UK offshore wind

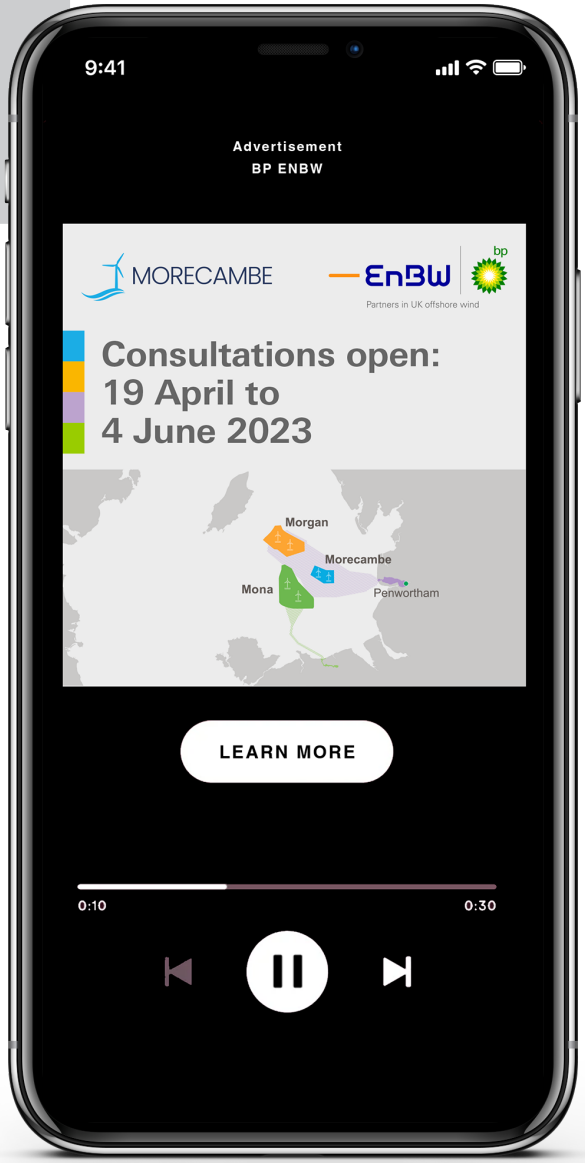
BP ENBW Morgan, Morecambe, Transmission and Mona digital ads Isle of Man only
MMMT-Mobile banner_320px x 50px_4 tiles

BP ENBW Morgan, Morecambe, Transmission and Mona digital ads Isle of Man only
MMMT-MPU_300px x 250px_3 tiles



BP ENBW Morgan, Morecambe, Transmission and Mona digital ads Isle of Man only
MMMT-Double MPU_300px x600px_4 tiles

BP ENBW Morgan, Morecambe, Transmission and Mona digital ads
Isle of Man only
MMMT_Spotify_640px x640px



MORECAMBE

Appendix D31
Statutory Consultation Digital Advertisement (England)

BP ENBW Morgan, Morecambe & Transmission digital ads
MMT-Billboard_970px x 250px_3 tiles

BP ENBW Morgan, Morecambe & Transmission digital ads
MMT-Leaderboard_728px x 90px_3 tiles

Morecambe Offshore Windfarm
Consultation open: 19 April to 4 June 2023

MORECAMBE

Morgan Offshore Wind Project
Consultation open: 19 April to 4 June 2023

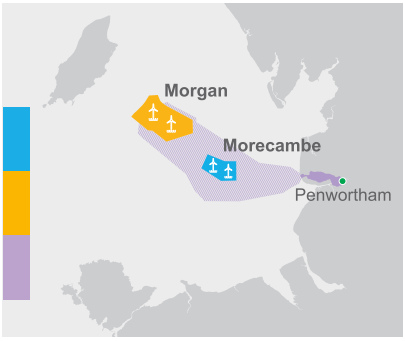
EnBW
Partners in UK offshore wind
bp

Joint Transmission Assets
Consultation open: 19 April to 4 June 2023

EnBW
Partners in UK offshore wind
bp
MORECAMBE

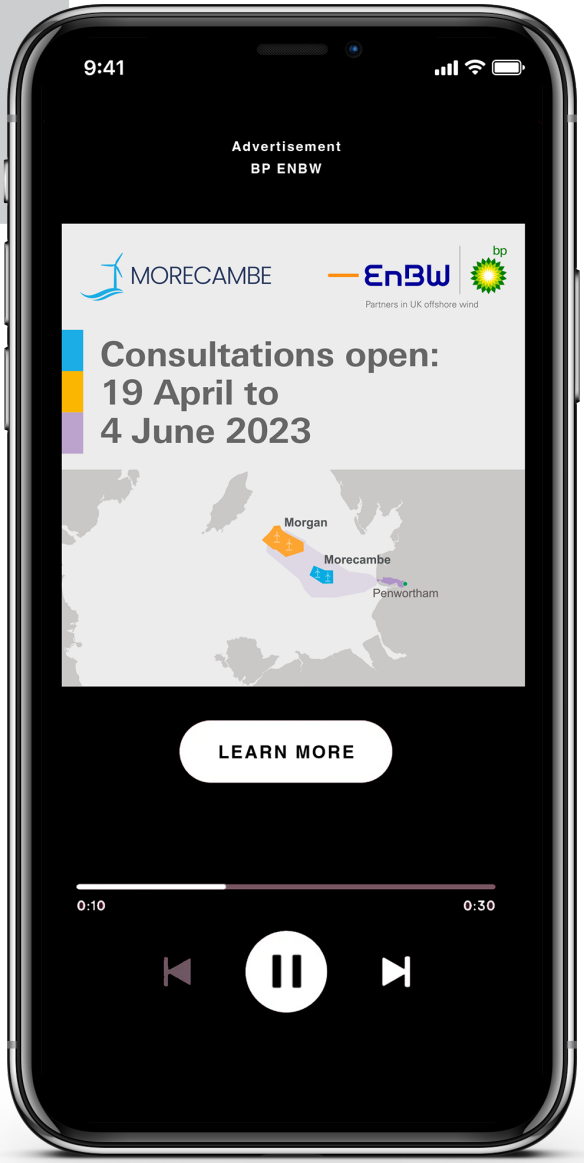
BP ENBW Morgan, Morecambe & Transmission digital ads MMT-Mobile banner_320px x 50px_3 tiles

BP ENBW Morgan, Morecambe & Transmission digital ads MMT-MPU_300px x 250px_3 tiles



BP ENBW Morgan, Morecambe & Transmission digital ads MMT-Double MPU_300px x600px_3 tiles

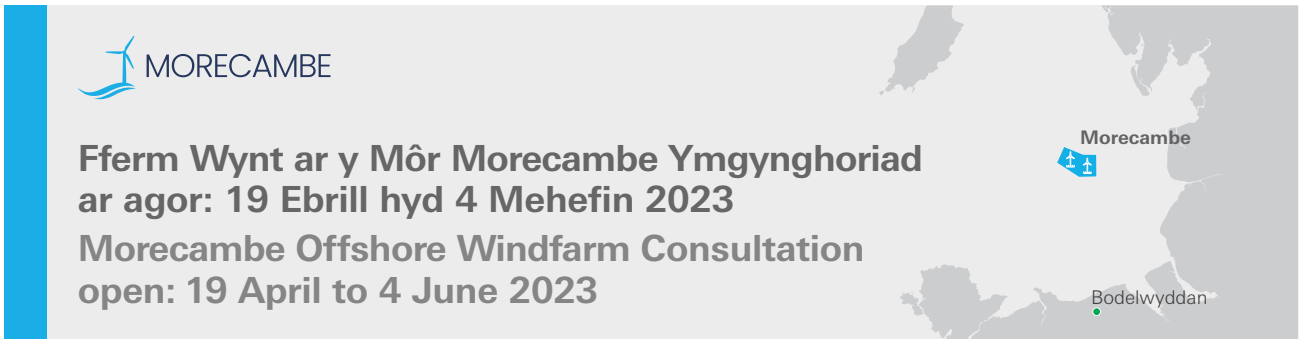
BP ENBW Morgan, Morecambe & Transmission digital ads
MMT-Spotify_640px x640px



MORECAMBE

Appendix D32
Statutory Consultation Digital Advertisement (Wales)

BP ENBW Mona & Morecambe digital ads
MM-Billboard_970px x 250px_2 tiles

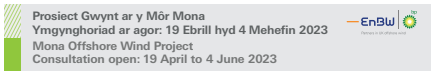


BP ENBW Mona & Morecambe digital ads
MM-Leaderboard_728px x 90px_2 tiles

Prosiect Gwynt ar y Môr Mona
Ymgynghoriad ar agor: 19 Ebrill hyd 4 Mehefin 2023
Mona Offshore Wind Project
Consultation open: 19 April to 4 June 2023

Fferm Wynt ar y Môr Morecambe
Ymgynghoriad ar agor: 19 Ebrill hyd 4 Mehefin 2023
Morecambe Offshore Windfarm
Consultation open: 19 April to 4 June 2023

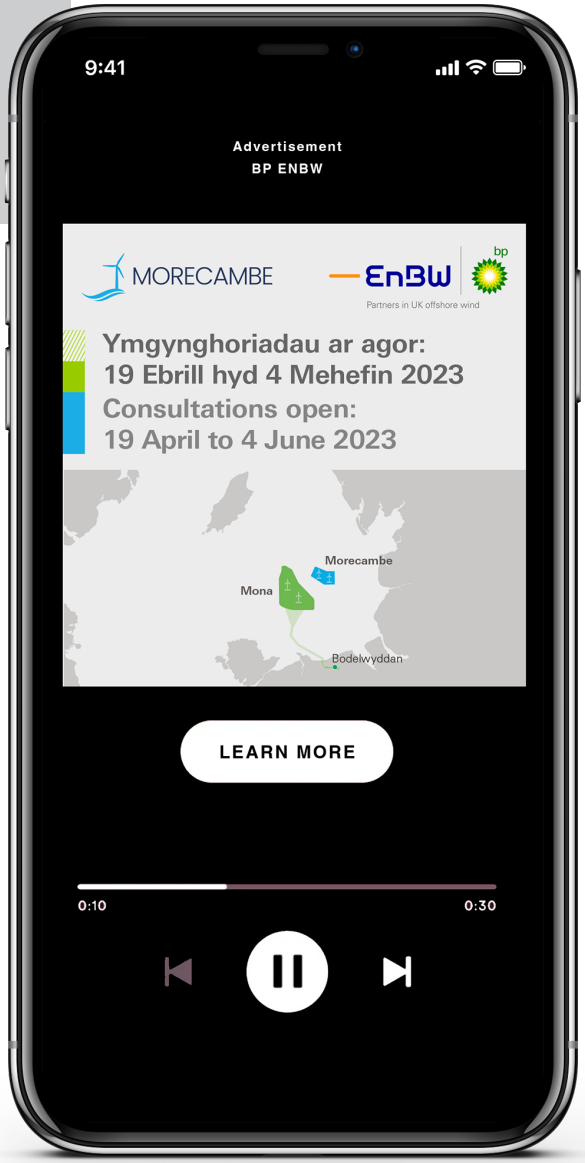
BP ENBW Mona & Morecambe digital ads
MM-Mobile banner_320px x 50px_2 tiles



BP ENBW Mona & Morecambe digital ads MM-MPU_300px x 250px_2 tiles

BP ENBW Mona & Morecambe digital ads MM-Double MPU_300px x600px_2 tiles

BP ENBW Mona & Morecambe digital ads
MM-Spotify_640px x640px



MORECAMBE

Appendix D33
Statutory Consultation Print Advertisement (English)

MORECAMBE

EnBW | bp

Partners in UK offshore wind

Morgan Offshore Wind Project Generation Assets

Morecambe Offshore Windfarm Generation Assets

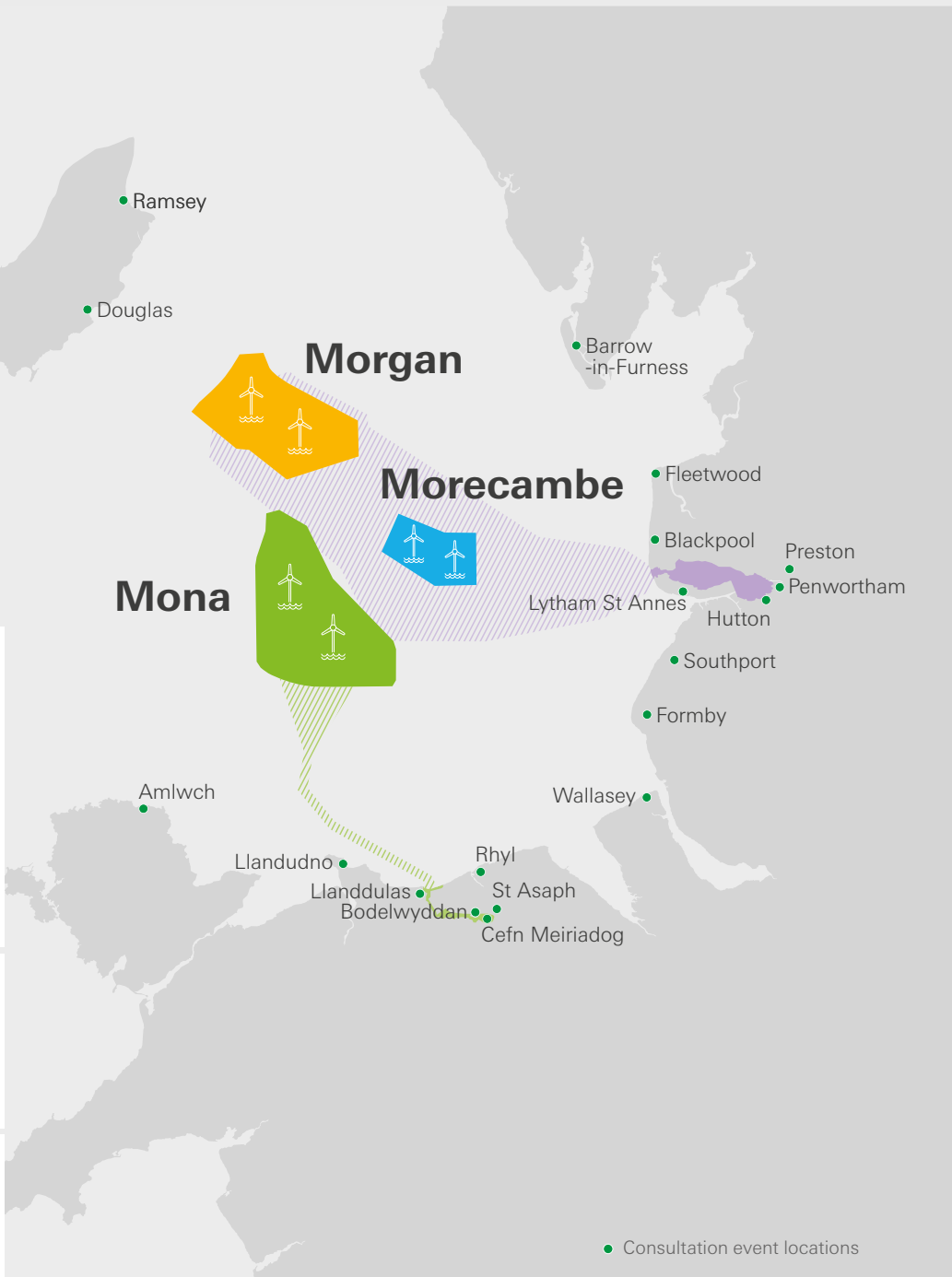
Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Consultations open: 19 April to 4 June 2023

We're holding three separate consultations and we want to hear your views. Statutory consultations are now open for **Morecambe Offshore Windfarm Generation Assets** and **Morgan Offshore Wind Project Generation Assets**. These projects are two new offshore wind farms being developed in the Irish Sea.

A non-statutory consultation is also open for **Morgan and Morecambe Offshore Wind Farms: Transmission Assets**. This focuses on the infrastructure which connects both wind farms (generation assets) to the existing electricity network.

Please provide feedback and have your say on each of the three separate consultations by 4 June 2023.



Come and see us:
All information regarding the consultations can be found on the project websites (see below). Alternatively, visit one of our joint public events, which are highlighted on the map. These are a great way to find out more about each project and ask any questions you may have. Scan the QR code or visit the website for more details.

Visit **www.morecambeandmorgan.com/morgan**
Call **0800 915 2493 (option 1)**
Write to **FREEPOST MORGAN**
Email **info@morganoffshorewind.com**

Visit **www.morecambeandmorgan.com/morecambe**
Call **0800 915 2493 (option 2)**
Write to **FREEPOST MORECAMBE GENERATION**
Email **hello@morecambeoffshorewind.com**

Visit **www.morecambeandmorgan.com/transmission**
Call **0800 915 2493 (option 3)**
Write to **FREEPOST MORECAMBE AND MORGAN**
Email **info@morecambeandmorgan.com**

Mona Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morganandmona.com**

MORECAMBE

EnBW | bp

Partners in UK offshore wind

Morgan Offshore Wind Project Generation Assets

Morecambe Offshore Windfarm Generation Assets

Morgan and Morecambe Offshore Wind Farms: Transmission Assets

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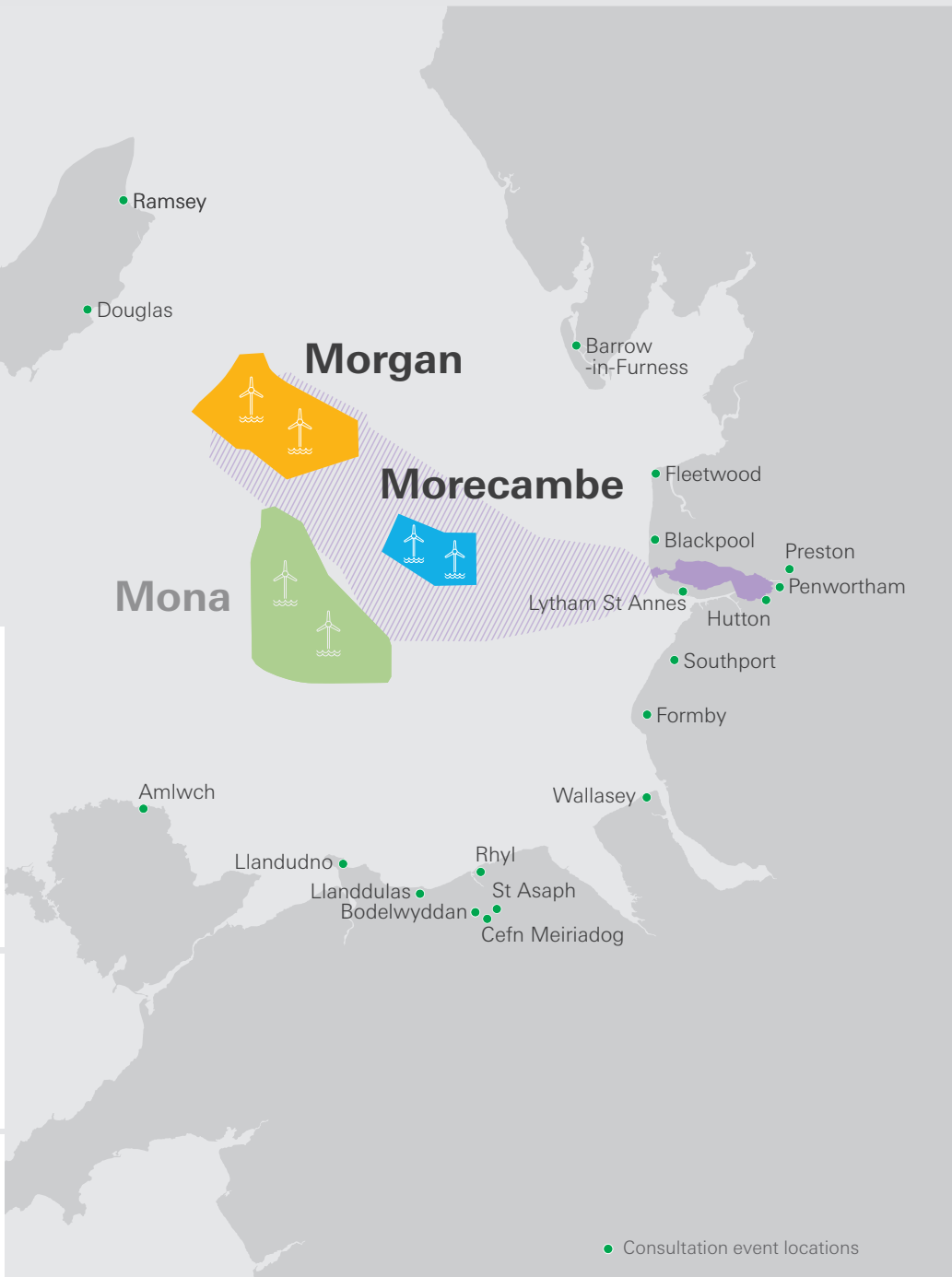

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Visit **www.morecambeandmorgan.com/morgan**
Call **0800 915 2493 (option 1)**
Write to **FREEPOST MORGAN**
Email **info@morganoffshorewind.com**

Visit **www.morecambeandmorgan.com/morecambe**
Call **0800 915 2493 (option 2)**
Write to **FREEPOST MORECAMBE GENERATION**
Email **hello@morecambeoffshorewind.com**

Visit **www.morecambeandmorgan.com/transmission**
Call **0800 915 2493 (option 3)**
Write to **FREEPOST MORECAMBE AND MORGAN**
Email **info@morecambeandmorgan.com**

Mona Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morganandmona.com**

MORECAMBE

Appendix D34
Statutory Consultation Print Advertisement (English and Welsh)

MORECAMBE

EnBW | bp

Partners in UK offshore wind

Prosiect Gwynt Alltraeth Mona
Mona Offshore Wind Project

Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe
Morecambe Offshore Windfarm Generation Assets

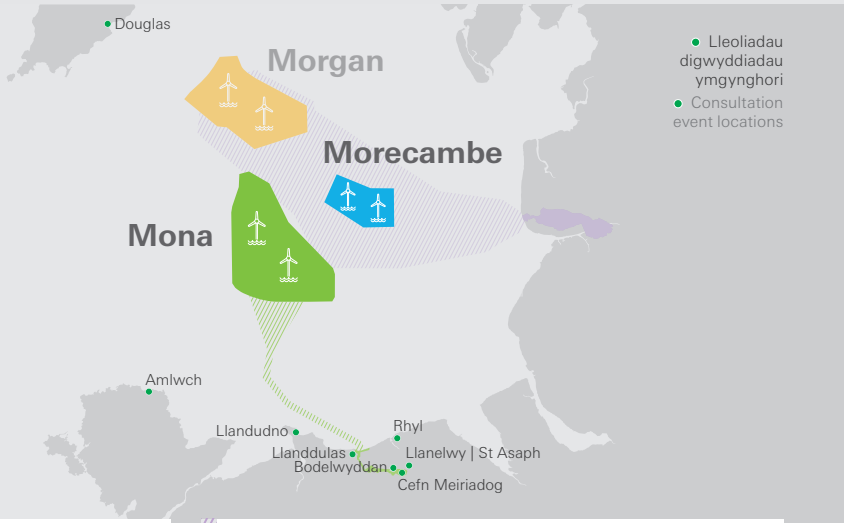
Ymgynghoriadau ar agor: 19 Ebrill hyd 4 Mehefin 2023 | Consultations open: 19 April to 4 June 2023

Mae ymgynghoriadau statudol nawr ar agor ar gyfer **Prosiect Gwynt Alltraeth Mona** ac **Asedau Cynhyrchu Fferm Wynt Alltraeth Morecambe**, sef dwy fferm wynt newydd ar y môr sy'n cael eu datblygu ym Môr Iwerddon.

Rydyn ni eisiau clywed eich barn. Rhowch adborth a dweud eich dweud am y ddau ymgynghoriad erbyn 4 Mehefin 2023.

Statutory consultations are now open for **Mona Offshore Wind Project** and **Morecambe Offshore Windfarm Generation Assets**, two new offshore wind farms being developed in the Irish Sea.

We want to hear your views. Please provide feedback and have your say on both consultations by 4 June 2023.



Dewch i'n gweld ni:
Mae'r holl wybodaeth am yr ymgynghoriadau ar gael ar wefannau'r prosiectau (gweler drosodd). Neu, ewch i un o'n digwyddiadau cyhoeddus ar y cyd, sydd wedi'u nodi ar y map. Mae'r rhain yn ffordd wych o gael rhagor o wybodaeth am bob prosiect a gofyn unrhyw gwestiynau sydd gennych chi.

Come and see us:
All information regarding the consultations can be found on the project websites (see overleaf). Alternatively, visit one of our joint public events, which are highlighted on the map. These are a great way to find out more about each project and ask any questions you may have.

Ewch i | Visit **www.morganandmona.com**
Ffoniwch | Call **0800 860 6263**
Ysgrifennwch at | Write **FREEPOST MONA**
E-bostiwch | Email **info@monaoffshorewind.com**

Ewch i | Visit **www.morecambeandmorgan.com/morecambe**
Ffoniwch | Call **0800 915 2493 (opsiwn | option 2)**
Ysgrifennwch at | Write **FREEPOST MORECAMBE GENERATION**
E-bostiwch | Email **hello@morecambeoffshorewind.com**

Mae **Prosiect Gwynt Alltraeth Morgan** yn fferm wynt arall ar y môr sy'n cael ei datblygu gan bp ac EnBW ym Môr Iwerddon. I gael rhagor o wybodaeth am y prosiect hwn a'i ymgynghoriad statudol, ewch i **www.morecambeandmorgan.com/morgan**.

Morgan Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morecambeandmorgan.com/morgan**.

Mae ymgynghoriad anstatudol ar agor hefyd ar gyfer **Ffermydd Gwynt Alltraeth Morgan a Morecambe: Asedau Trosglwyddo**. Mae rhagor o wybodaeth ar gael yn **www.morecambeandmorgan.com/transmission**.

A non-statutory consultation is also open for **Morgan and Morecambe Offshore Wind Farms: Transmission Assets**. More information can be found at **www.morecambeandmorgan.com/transmission**.

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Appendix D35
Statutory Consultation Press Releases

Press Release
19 April 2023

Community consultations launch for UK offshore wind projects

- *Local consultations will run for over six weeks for the Morgan and Mona, and Morecambe offshore wind projects.*
- *Together, when operational the wind farms could power the equivalent of more than three million homes.*

Community consultations today launched for the Morgan, Mona and Morecambe offshore wind farms to be located in the Irish Sea. The consultations will run from 19 April to 4 June and will be open to the local community and stakeholders.

Morgan and Mona are being developed under a joint venture between bp and Energie Baden-Wurttemberg AG (EnBW) and Morecambe is being developed under a joint venture between Cobra Instalaciones y Servicios, S.A. and Flotation Energy Ltd. Morgan, Mona and Morecambe have potential generation of over 3GW when operational, which could help contribute to the UK Government's commitment to 50GW of offshore wind power by 2030.

Throughout May, several events will be hosted across different locations in north west England, the Isle of Man, and Wales for local residents and stakeholders to learn more about each project and ask questions. The full events schedule is available online and is open for those wanting to engage and provide feedback on the consultations or find out further details.

This latest round follows the first stage of consultations for Morecambe and Morgan that launched in November 2022. These new consultations will look at all three wind farms, including:

- Full statutory consultation of Mona's transmission and generation assets,
- Statutory consultation for Morgan generation assets,
- Morecambe's generation assets, and a joint non-statutory consultation for Morecambe and Morgan's transmission assets.

Transmission assets are everything from the subsea cables to the onshore connection into the network- anything that brings the electricity onshore and into the grid. Generation assets are wind turbines, and anything else that turns the wind into power.

Richard Haydock, project director, bp, said: "These consultations are the next step in us delivering our offshore wind projects and supplying UK customers with home-grown renewable energy. "bp and EnBW are working closely with Cobra and Flotation Energy to develop the plans for the wind farms, so we encourage anyone who can, to attend the events and provide feedback. We look forward to working with the community and we're excited to work with our partners to help deliver the next step in getting our wind farms online."

Although Morgan and Morecambe aim to share their transmission works, and the projects are closely linked, all three wind farms will submit their own development consent orders. The applications for those orders are expected to be submitted in 2024.

Burkhard Römhild, acting project director, EnBW, said: "Following good conversations with several key stakeholders, we are glad to see our projects now progress to the next stage, opening and intensifying the opportunity for all interested to share their views and give input for us to consider.

“We will progress our projects considering all the valuable input and balancing renewable electricity production with the protection of sensitive habitats and legitimate interests of the communities in which we will operate. We are looking forward to supplying British consumers with affordable and reliable electricity from our projects Morgan & Mona. The design of our projects as well as our cooperation with our neighbour Morecambe will help to achieve this whilst minimizing impact on the environment as well as on our stakeholders.”

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’s journey to a net zero future. Collectively with the Morgan and Mona offshore wind farm projects, *we have the potential to* produce enough clean, renewable energy to power more than 3 million homes in the UK, as well as contributing to the security of the nation’s energy supplies.
“We are committed to engaging meaningfully with the local community throughout its development. We want it to be a shared endeavour, and something of which we and future generations can all be proud. Our formal consultation will, to that end, give people a chance to have their say and to shape the approach we take to delivering it.”

For the consultations on Morecambe Offshore Windfarm Generation Assets, Morgan Offshore Wind Project Generation Assets, and Morgan and Morecambe Offshore Wind Farms Transmission assets please visit: www.morecambeandmorgan.com
For the Morgan Offshore Wind Project Generation Assets consultation visit please: www.morecambeandmorgan.com/morgan
For the Morecambe Offshore Windfarm Generation Assets consultation visit please: www.morecambeandmorgan.com/morecambe
For the Morgan and Morecambe Offshore Wind Farms: Transmission Assets consultation please visit: www.morecambeandmorgan.com/transmission
For the Mona Offshore Wind Farm consultation please visit: www.morganandmona.com

– ENDS –

Notes to Editors

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 approximately 1.7GW, operating nine wind assets across the country as well as a 5.2GW net offshore pipeline.

About EnBW
Energie Baden-Württemberg AG (EnBW) is one of the largest energy supply companies in Germany and Europe, with a workforce of 27,000 employees supplying energy to around 5.5 million customers. Installed renewable energy capacity will account for 50 percent of EnBW’s generating portfolio by the end of 2025. EnBW was among the pioneers in offshore wind power with its Baltic 1 wind farm in the Baltic Sea. EnBW has developed, constructed and operates four offshore wind farms in Germany with a total installed capacity of 945 MW. Another 960 MW from the offshore wind farm He Dreiht are currently under development; the final investment decision in March 2023 cleared the way for the start of construction.

About Cobra

Cobra is a world leader in the development, construction and management of industrial infrastructure and energy projects, with more than 75 years of experience. Cobra is a worldwide reference with the capacity and determination to develop, create and operate industrial and energy infrastructures that require a high level of service, based on excellence in integration, technological innovation and financial strength.

About Floatation Energy

Flotation Energy, headquartered in Edinburgh, Scotland, is leading the way in the development of the offshore wind projects and pioneering the future of renewable energy. It has a growing project pipeline, managing 13GW of offshore wind projects in the UK, Ireland, Taiwan, Japan and Australia; with plans to expand into many more key markets. Its core strengths lie in building and operating offshore windfarms in new offshore locations around the globe with expertise in project and engineering management of large infrastructure projects. Determined to support the global movement to Net Zero and sustainable energy consumption, we recognise the benefits of collaboration and working in partnership with other developers to deliver proven, cost-effective solutions.

Further enquiries

bp press office: bppress@bp.com
EnBW: [redacted]@enbw.com
Morecambe: [redacted]@flotationenergy.com

Cautionary statement:

In order to utilize the 'safe harbor' provisions of the United States Private Securities Litigation Reform Act of 1995 (the 'PSLRA'), bp is providing the following cautionary statement. This press release contains certain forward-looking statements – that is, statements related to future, not past events and circumstances – which may relate to one or more of the financial condition, results of operations and businesses of bp and certain of the plans and objectives of bp with respect to these items. These statements are generally, but not always, identified by the use of words such as 'will', 'expects', 'is expected to', 'aims', 'should', 'may', 'objective', 'is likely to', 'intends', 'believes', 'anticipates', 'plans', 'we see' or similar expressions. Actual results may differ from those expressed in such statements, depending on a variety of factors including the risk factors set forth in our most recent Annual Report and Form 20-F under "Risk factors" and in any of our more recent public reports.

Our most recent Annual Report and Form 20-F and other period filings are available on our website at www.bp.com, or can be obtained from the SEC by calling 1-800-SEC-0330 or on its website at www.sec.gov.

PRESS RELEASES
Tuesday, 23 May 2023

Community consultations for UK offshore wind projects closing soon

Local consultations for UK wind farms: Morecambe, Morgan and Mona will end on 4 June 2023 after six weeks of events aimed at local stakeholders and residents. The online consultation hub is still available for those wanting to provide feedback, to access the events schedule, or find out further details on the projects. All responses to the consultation must be submitted by midnight on 4 June.

Wind farms Morgan and Mona are being developed under a joint venture between bp and Energie Baden-Wurttemberg AG(EnBW), and Morecambe is being developed under a joint venture by Cobra Instalaciones y Servicios, S.A. and Flotation Energy Ltd.

Launched on 19 April, events for the consultations have been hosted across North-west England, Wales and the Isle of Man, providing an opportunity for the local communities and stakeholders to engage and provide feedback on the projects in person.

Richard Haydock, Project Director, bp, said: “These consultations are an important next step in delivering these projects and getting them online. We’ve had a good level of response so far, and we hope to see it continue until consultations close in a week’s time.”

Burkhard Römhild, Project Director, EnBW, said: “We appreciate the constructive feedback received to date from our stakeholders regarding our wind farm developments Morgan and Mona in the Irish Sea. Taking this onboard we will further fine tune the project designs in preparation of the next milestones on our way to contributing to the UK’s ambitiousoffshore wind targets.”

Al Rayner, Projects Director, Offshore Wind (OWL), joint venture of Cobra and Flotation Energy, said: “These projects have huge potential to further advance the UK’s offshore wind industry and supporting our nation’s Net Zero ambitions. We’re delighted to have had so many meaningful and important conversations with our key stakeholders and look forward to continuing our conversations and collaborations with them throughout the projects’ development and delivery.”

The consultations are addressing:

- Full statutory consultation of Mona's transmission and generation assets,
- Statutory consultation for Morgan generation assets,
- Morecambe's generation assets, and a joint non-statutory consultation for Morecambe and Morgan's transmission assets.

For the consultations on Morecambe Offshore Windfarm Generation Assets, Morgan Offshore Wind Project Generation Assets, and Morgan and Morecambe Offshore Wind Farms Transmission assets please visit: www.morecambeandmorgan.com

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For the Morecambe Offshore Windfarm Generation Assets consultation visit please: www.morecambeandmorgan.com/morecambe

For the Morgan and Morecambe Offshore Wind Farms: Transmission Assets consultation please visit: www.morecambeandmorgan.com/transmission

For the Mona Offshore Wind Farm consultation please visit: www.morganandmona.com

Notes to Editors

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 approximately 1.7GW, operating nine wind assets across the country as well as a 5.2GW net offshore wind pipeline.

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Further enquiries

Morgan and Mona: bppress@bp.com, [redacted]@enbw.com

Flotation Energy: [redacted]

Cautionary statement:

In order to utilize the 'safe harbor' provisions of the United States Private Securities Litigation Reform Act of 1995 (the 'PSLRA'), bp is providing the following cautionary statement. This press release contains certain forward-looking statements – that is, statements related to future, not past events and circumstances – which may relate to one or more of the financial condition, results of operations and businesses of bp and certain of the plans and objectives of bp with respect to these items. These statements are generally, but not always, identified by the use of words such as 'will', 'expects', 'is expected to', 'aims', 'should', 'may', 'objective', 'is likely to', 'intends', 'believes', 'anticipates', 'plans', 'we see' or similar expressions. Actual results may differ from those expressed in such statements, depending on a variety of factors including the risk factors set forth in our most recent Annual Report and Form 20-F under "Risk factors" and in any of our more recent public reports.

Our most recent Annual Report and Form 20-F and other period filings are available on our website at www.bp.com, or can be obtained from the SEC by calling 1-800-SEC-0330 or on its website at www.sec.gov.

MORECAMBE

Appendix D36
Press Release Media Distribution List

Media Outlet
Isle of Man Today
Three FM
Manx Radio
BBC Isle of Man
Lancs Live
Lancashire Evening Post
BBC Radio Lancashire
BBC News Online North West
Newsquest titles
Lancashire Telegraph
Wigan Post
Wigan Observer
Fleetwood Weekly News
Blackpool Gazette & Fleetwood Weekly News
Blackpool Gazette & Lytham St Annes Express
Lytham St Annes Express
The Mail in South Cumbria
Liverpool Echo (Southport)
Lancaster Guardian
BBC Cymru Fyw (Welsh language)
Golwg (Welsh language)
Golwg 360 (Welsh language)
BBC Cymru (Newyddion - Welsh language)
BBC Cymru (North News)
BBC Online
BBC Wales
Business Insider Wales
Heart FM & Capital FM
The Daily Post
Daily Post (Anglesey)
Daily Post (Conwy)
Daily Post (Conwy)

Media Outlet
Daily Post (Denbighshire)
Daily Post / Wales Online / North Wales Live
ITV Wales
Denbighshire Free Press/NW Pioneer/NW Chronicle/Rhyl Journal
North Wales Pioneer
Western Mail
WalesOnline
Wales on Sunday
Heart FM & Capital FM
Heart FM
ITV Wales (News)
Cambrian News
Wales 247
Insider Wales
Energy Networks Association
reNews
Recharge
Energy Voice
Wind Power Monthly
Business Green
New Energy World
Offshore Wind.biz

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Appendix D37
Statutory Consultation Online Webinar Presentation

MORECAMBE

Morecambe Offshore Windfarm Generation Assets

Online event, 16 May 2023

Agenda

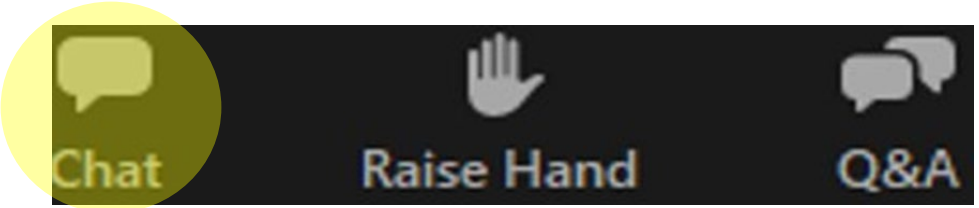
- Taking part in today's consultation
- Housekeeping
- Introductions
- Our consultation
- How to access more information
- About us
- The importance of renewable energy
- About the Project
- What the Project will look like
- Our work so far
- Preliminary Environmental Information Report (PEIR)
- Interaction with other marine users
- Your feedback
- Morgan and Morecambe Offshore Wind Farm: Transmission Assets
- Next steps
- Q&A

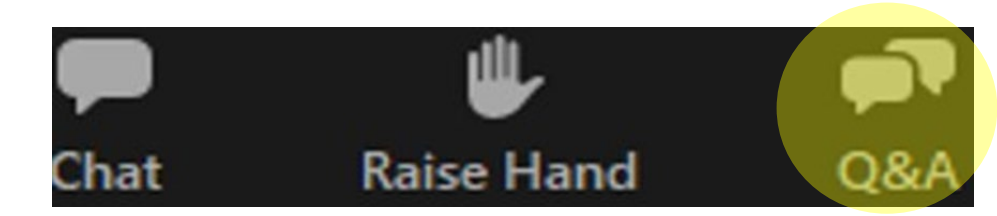
Taking part in today's event

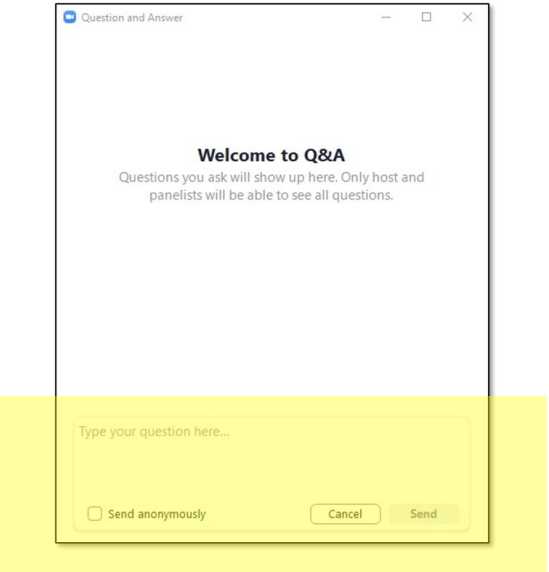
- If you're having technical difficulties, please let us know by using the chat box.

- If you would like to submit a question, you can do so by using the Q&A box. These will be answered by the team at the end of the presentation.

- Please note that todays webinar is being recorded.







Housekeeping

MORECAMBE

- Please be respectful of others' views.
- During the presentation, please submit written questions via the Q&A box.
- Questions will be answered by the project team following the presentation.
- Questions and comments will remain anonymous.
- This session will be recorded and uploaded to the project website to view following this event.
- Further to this webinar you can submit any further views and comments you have in writing / email or by using the online form on our website.
- Deadline for receipt of all feedback to this consultation is 11:59pm on Sunday 4 June 2023.

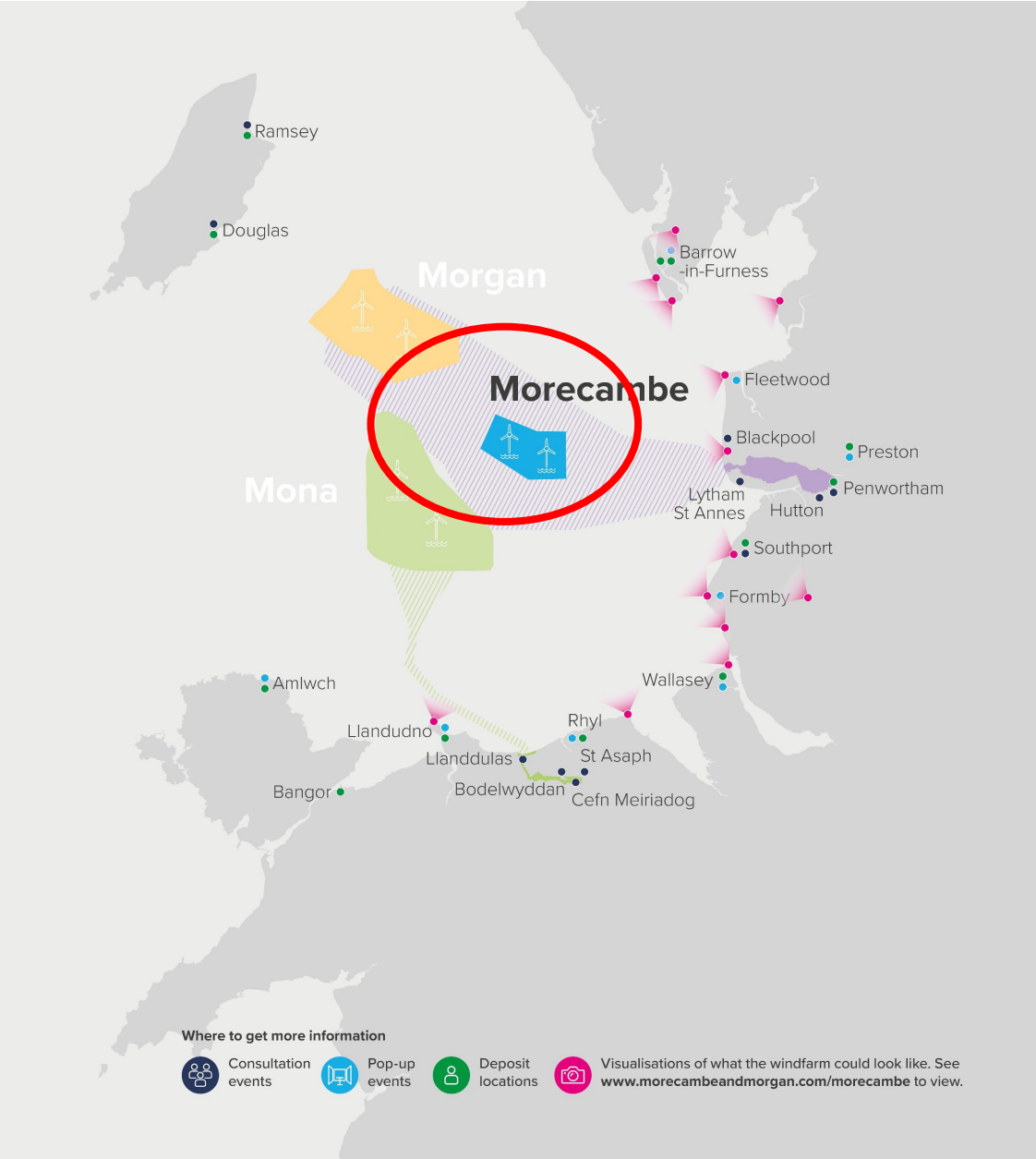
Introductions

- [redacted] – Communications Consultant, Camargue
- [redacted] – Stakeholder Lead, Flotation Energy
- [redacted] – Consents Lead, Flotation Energy
- [redacted] – Principle Marine Consultant, Royal HaskoningDHV

Today's webinar

In November and December 2022, we held non-statutory consultation events to help communities and other stakeholders understand the proposals for the proposed windfarm.

Morecambe Offshore Windfarm Limited is now holding a statutory consultation on our latest proposals for the Morecambe Offshore Windfarm Generation Assets project, located in the east Irish Sea. This is the focus of today's webinar.



Our consultation

MORECAMBE

- We're now holding a public consultation on our latest proposals
- Consultation will run for 47 days, from **19 April to 4 June**
- We're committed to an open and transparent consultation
- This is our second consultation, with our Project's Preliminary Environmental Information Report (PEIR) forming the focus of this statutory consultation

This stage of consultation is a statutory requirement of the **Development Consent Order** (DCO) process, in accordance with the Planning Act 2008.

This project is categorised as a **Nationally Significant Infrastructure Project** (NSIP). This means we're required to make an application for a DCO which grants us permission to build, operate and maintain the Project.

In line with applicable Environmental Impact Assessment (EIA) regulations, we will submit an Environmental Statement and other supporting documents with our DCO application.

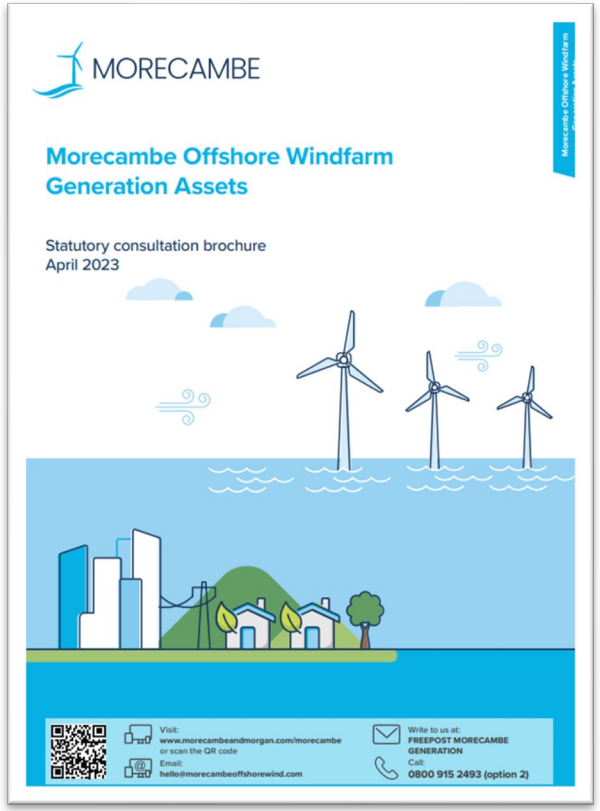
You can share any feedback you may have by using one of the following methods:

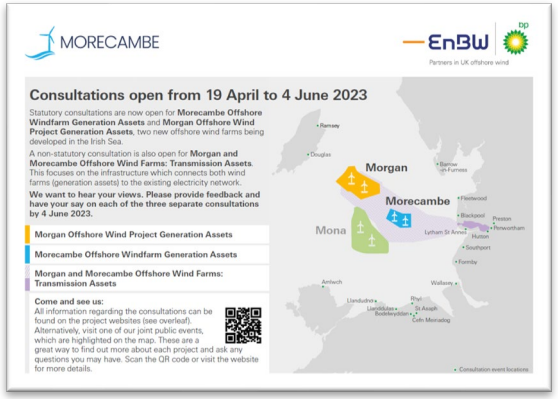
- Use our online consultation feedback map at **www.morecambeandmorgan.com/morecambe**
- Complete an online version of our feedback form at **www.morecambeandmorgan.com/morecambe**
- Pick up and fill out a paper copy feedback form at one of our in-person events or from one of our deposit locations
- Send an email to **hello@morecambeoffshorewind.com**
- Write to us at **FREEPOST MORECAMBE GENERATION**

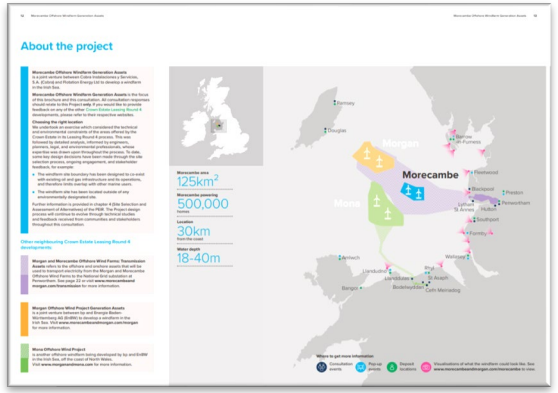
Our consultation

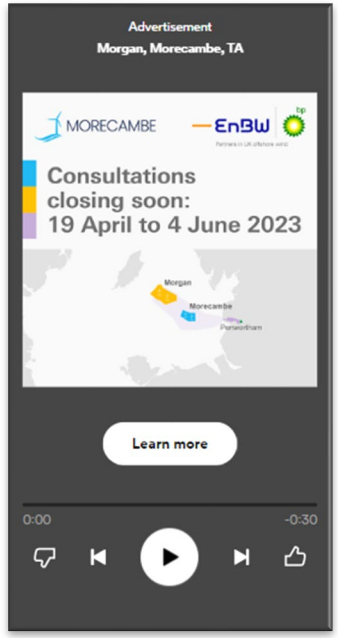
Promoting the consultation and our events

- Consultation invitation postcards sent to around 100,000 addresses across the North-West of England, North Wales and the Isle of Man.
- Joint press release with bp/ EnBW.
- Consultation brochure explaining the Project in an accessible way.
- Advertising campaign spanning print, digital, audio and search.





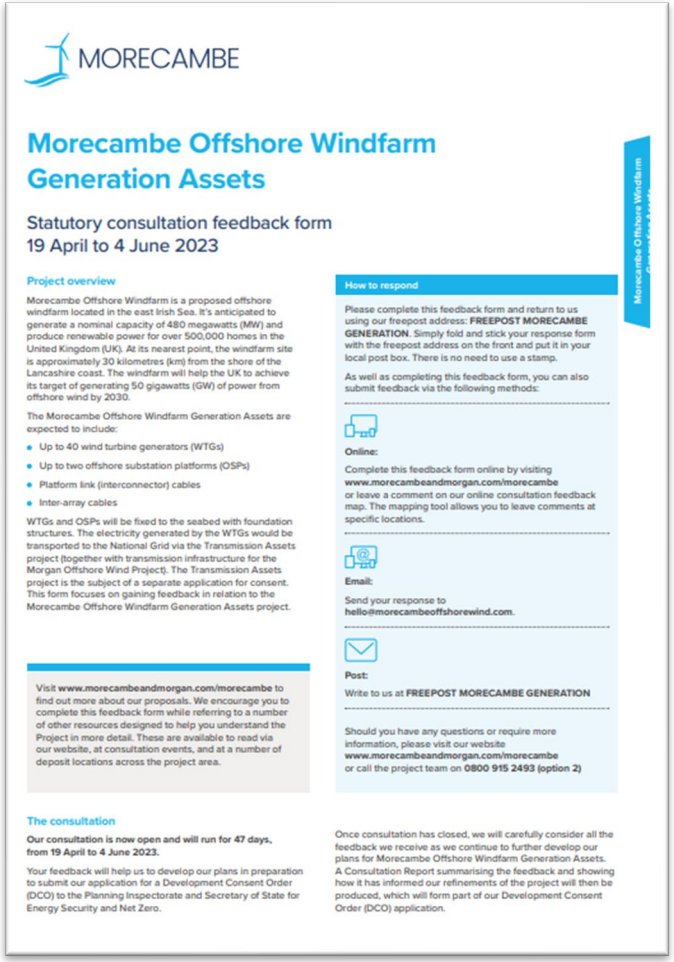




Our consultation

Promoting the consultation and our events

- Notices placed in regional, national and fishing trade newspapers
- 19 in-person consultation events and one online webinar
- 12 deposit locations
- Posters sent to prominent locations across the Project area
- Proposed approach to the statutory stage of consultation for the **Morecambe Offshore Windfarm Generation Assets** can be found in our Statement of Community Consultation (SoCC)



MORECAMBE

Morecambe Offshore Windfarm Generation Assets

Statutory consultation feedback form
19 April to 4 June 2023

Morecambe Offshore Windfarm Generation Assets

Project overview

Morecambe Offshore Windfarm is a proposed offshore windfarm located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30 kilometres (km) from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50 gigawatts (GW) of power from offshore wind by 2030.

The Morecambe Offshore Windfarm Generation Assets are expected to include:

- Up to 40 wind turbine generators (WTGs)
- Up to two offshore substation platforms (OSPs)
- Platform link (interconnector) cables
- Inter-array cables

WTGs and OSPs will be fixed to the seabed with foundation structures. The electricity generated by the WTGs would be transported to the National Grid via the Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project). The Transmission Assets project is the subject of a separate application for consent. This form focuses on gaining feedback in relation to the Morecambe Offshore Windfarm Generation Assets project.

Visit **www.morecambeandmorgan.com/morecambe** to find out more about our proposals. We encourage you to complete this feedback form while referring to a number of other resources designed to help you understand the Project in more detail. These are available to read via our website, at consultation events, and at a number of deposit locations across the project area.

How to respond

Please complete this feedback form and return to us using our freepost address: **FREEPOST MORECAMBE GENERATION**. Simply fold and stick your response form with the freepost address on the front and put it in your local post box. There is no need to use a stamp.

As well as completing this feedback form, you can also submit feedback via the following methods:

Online:

Complete this feedback form online by visiting **www.morecambeandmorgan.com/morecambe** or leave a comment on our online consultation feedback map. The mapping tool allows you to leave comments at specific locations.

Email:

Send your response to **hello@morecambeoffshorewind.com**.

Post:

Write to us at **FREEPOST MORECAMBE GENERATION**

Should you have any questions or require more information, please visit our website **www.morecambeandmorgan.com/morecambe** or call the project team on **0800 915 2493 (option 2)**

The consultation

Our consultation is now open and will run for 47 days, from 19 April to 4 June 2023.

Your feedback will help us to develop our plans in preparation to submit our application for a Development Consent Order (DCO) to the Planning Inspectorate and Secretary of State for Energy Security and Net Zero.

Once consultation has closed, we will carefully consider all the feedback we receive as we continue to further develop our plans for Morecambe Offshore Windfarm Generation Assets. A Consultation Report summarising the feedback and showing how it has informed our refinements of the project will then be produced, which will form part of our Development Consent Order (DCO) application.

MORECAMBE

EnBW bp
Partners in UK offshore wind

Morgan Offshore Wind Project Generation Assets

Morecambe Offshore Windfarm Generation Assets

Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Consultations open: 19 April to 4 June 2023

We're holding three separate consultations and we want to hear your views. Statutory consultations are now open for **Morecambe Offshore Windfarm Generation Assets** and **Morgan Offshore Wind Project Generation Assets**. These projects are two new offshore wind farms being developed in the Irish Sea.

A non-statutory consultation is also open for **Morgan and Morecambe Offshore Wind Farms: Transmission Assets**. This focuses on the infrastructure which connects both wind farms (generation assets) to the existing electricity network.

Please provide feedback and have your say on each of the three separate consultations by 4 June 2023.

Come and see us:
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Mona Offshore Wind Project is another offshore wind farm being developed by bp and EnBW in the Irish Sea. For more information on this project and its statutory consultation, please visit **www.morganandmona.com**

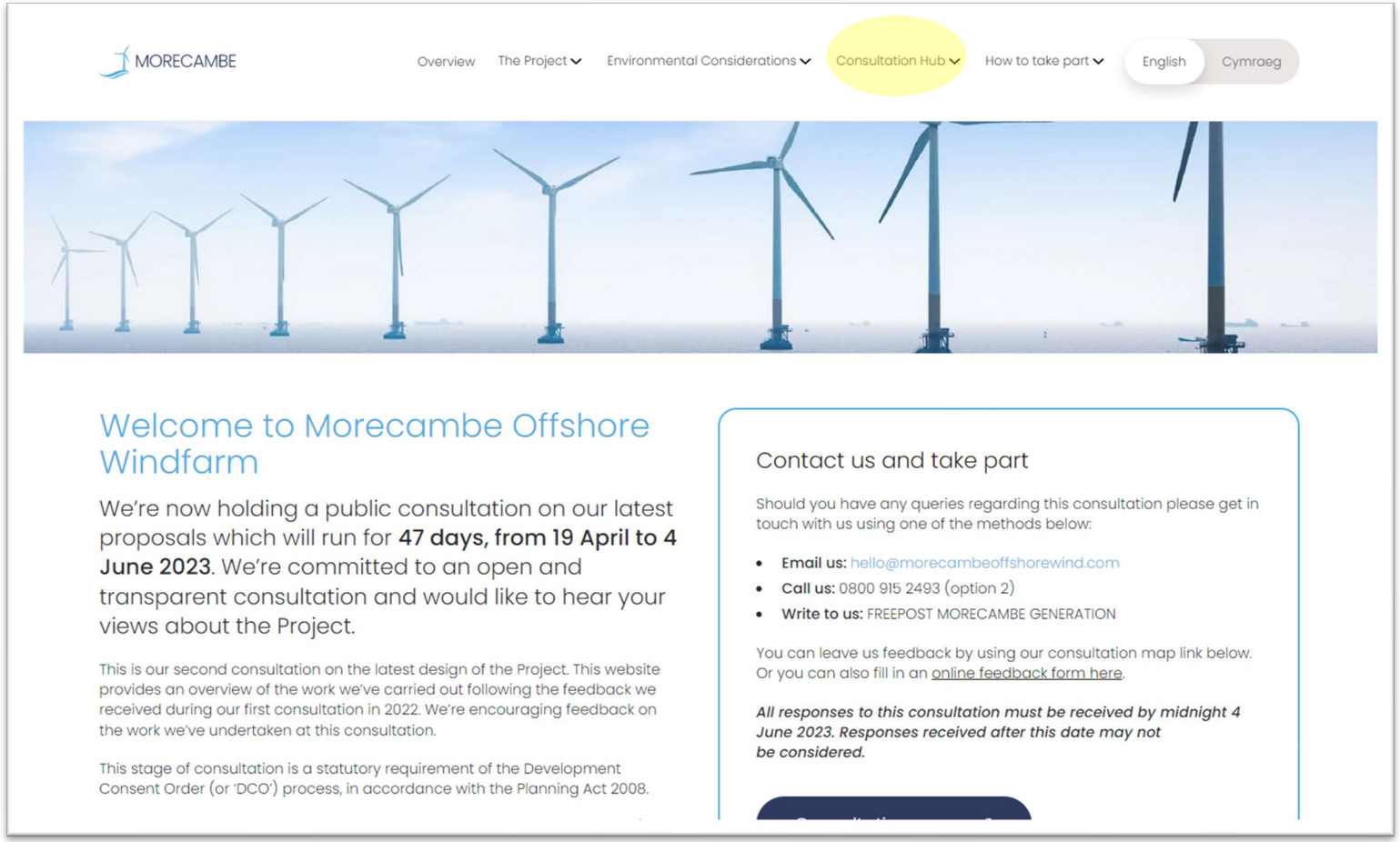
How to access more information

We want to make sure everyone has access to all the information needed about the Project. During the consultation you can:

- **Visit www.morecambeandmorgan.com/Morecambe**
  Here you can find more information and access our full suite of materials.

- **Attend a consultation event**
  We are holding a series of public consultation events where you can meet our team, find out more about the Project, and ask any questions you might have.

- **Visit one of our deposit locations**
  Throughout the consultation period (19 April to 4 June 2023) you can visit one of the deposit locations listed on our website.



About us

Morecambe Offshore Windfarm Limited is being developed as a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra), and Flotation Energy Limited.

About Cobra

Cobra is a world leader in the development, construction and management of industrial infrastructure and energy projects, with more than 75 years of experience.

Cobra is a worldwide reference with the capacity and determination to develop, create and operate industrial and energy infrastructures that require a high level of service, based on excellence in integration, technological innovation and financial strength.

About Flotation Energy

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 13GW in the UK, Ireland, Taiwan, Japan and Australia; and plans to expand into many more key markets.

The importance of renewable energy

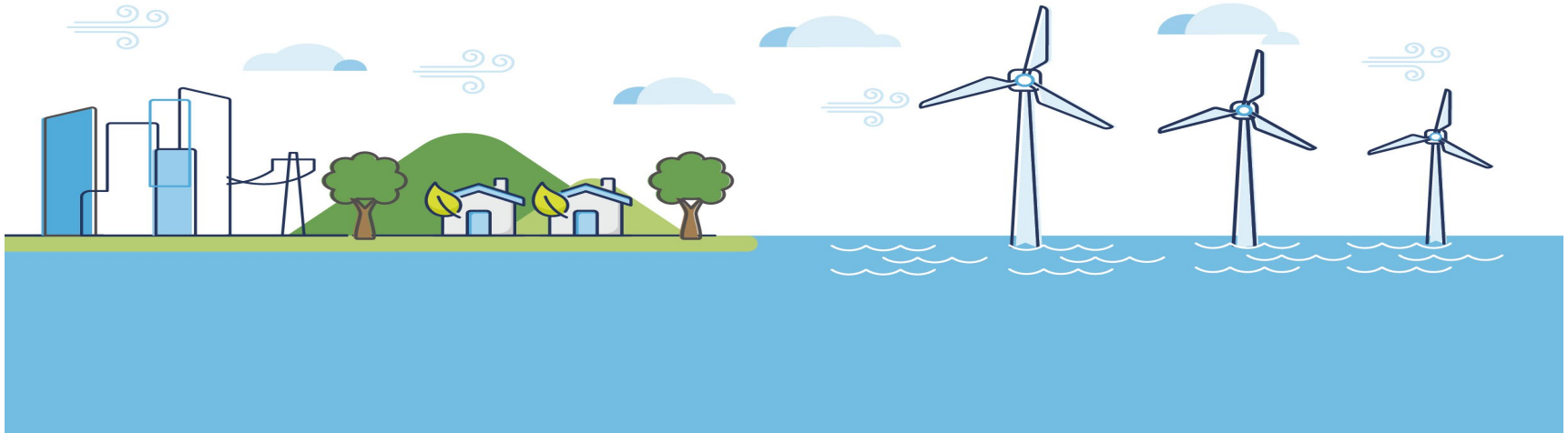
MORECAMBE

The UK 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 need to reduce greenhouse gas emissions to reach 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.

Renewable energy is central to supporting the UK's ambition 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.

To meet 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.



About the Project

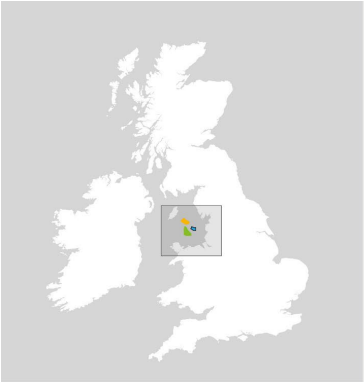
MORECAMBE

This Project will play a key role in tackling climate change by:

- Generating low carbon electricity from an offshore windfarm in support of the decarbonisation and security of the UK electricity supply.
- Optimising generation capacity within the constraints of available sites and grid infrastructure.
- Delivering a significant volume of offshore wind in support of the UK Government's Net Zero by 2050 target.
- Contributing to achieving the aims of the UK's Energy Security Strategy.

Our key objectives also include:

- Co-exist and collaborate with other activities, developers and operators to enable the balance of different users.
- Contribute to the local, regional and national economy by providing investment, as well as employment and new infrastructure during all phases of the Project.
- Provide low-cost energy to consumers and provide community benefits to help contribute to the fight against fuel poverty.

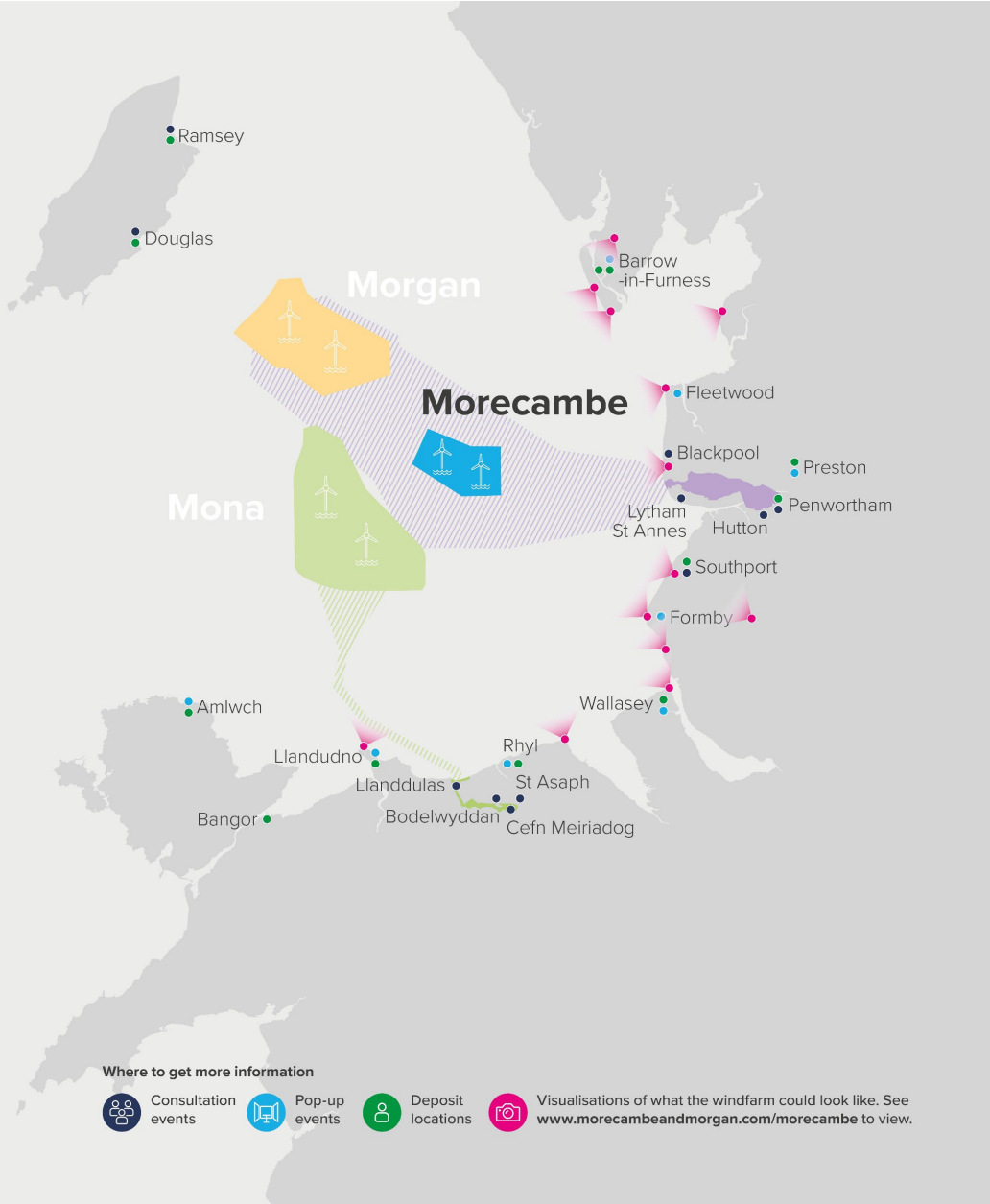


Morecambe area
125km^2

Morecambe powering
500,000
homes

Location
30km
from the coast

Water depth
18-40m

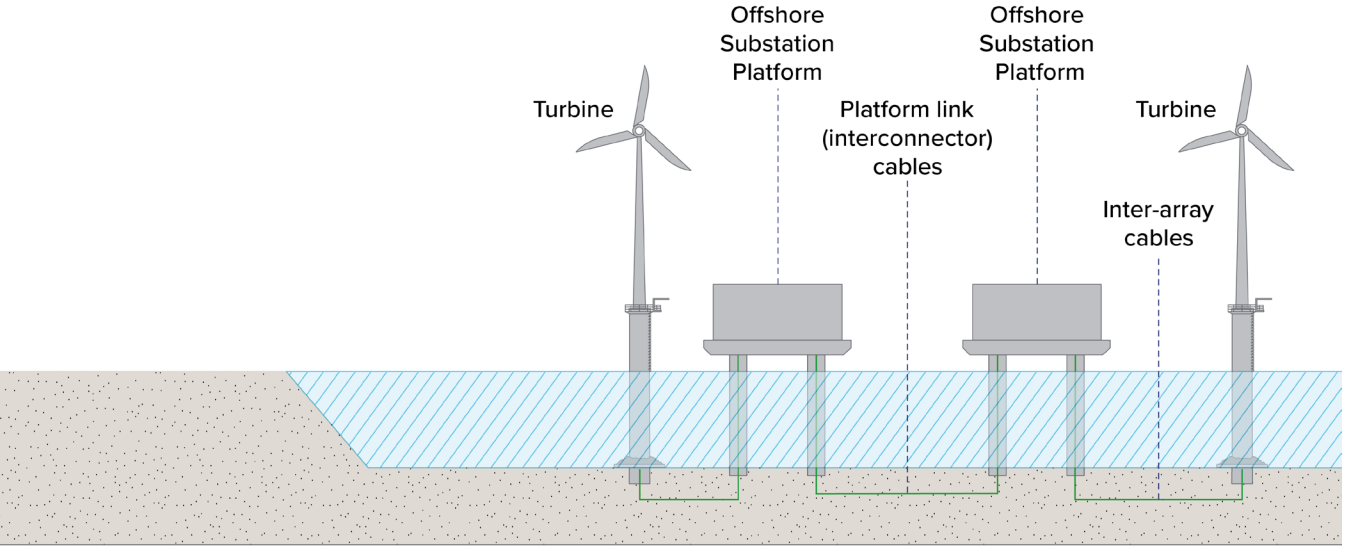


What the Project will look like

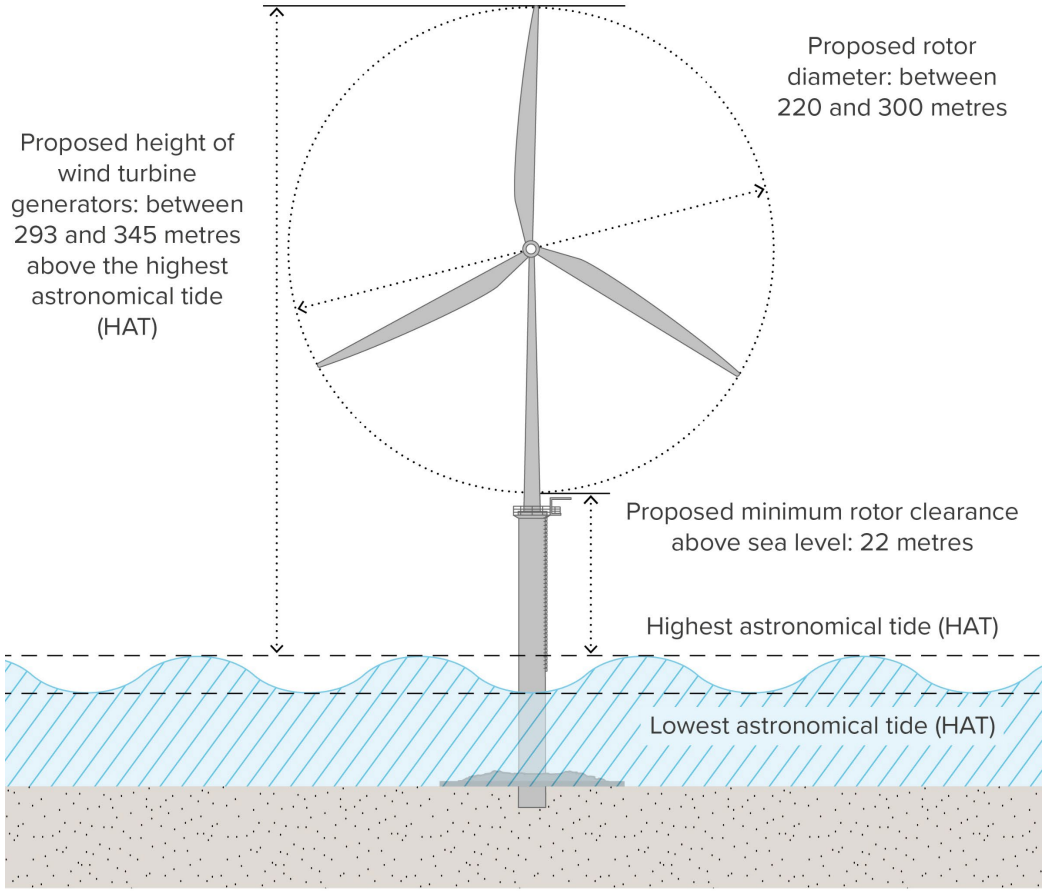
MORECAMBE

Offshore Generation Assets

- Up to 40 wind turbine generators (WTGs)
- Up to two offshore substation platforms (OSPs)
- Platform link (interconnector) cables
- Inter-array cables
- WTGs and OSPs will be fixed to seabed with foundation structures
- Overlaps existing Morecambe south gas fields



The components of Morecambe Offshore Windfarm Generation Assets



Indicative diagram of what a typical WTG could look like. Actual design may differ. The above image is not to scale and for illustrative purposes only.

Further details are set out in Chapter 5 of our PEIR

Our work so far

We've been carrying out a range of environmental assessments to better understand the potential impacts of the Project on the environment.

The results of these assessments to date are reflected in our PEIR and supporting documentation which have been made available during this consultation period.

We also continue to engage with stakeholders to understand in greater detail the area that we're proposing to work in. To date, we've undertaken the following surveys to inform our assessments:

- **Geophysical surveys** – to distinguish the physical characteristics of the site (surface and subsurface).
- **Benthic surveys** – to identify and map any seabed habitats. Video footage and a collection of sediment samples have been taken across the windfarm site.
- **Aerial surveys** – to record any birds and marine mammals seen across the site. So far, we have processed a year's worth of data and have another year's worth of data that will feed into our final environmental assessment that will be submitted with our DCO application.
- **Viewpoint photography** – to analyse the existing views in comparison to indicative views of the proposed Project.
- **Marine vessel traffic surveys** – two 14-day at sea surveys have been undertaken to record vessel activity in the area around the Project.

Preliminary Environmental Information Report

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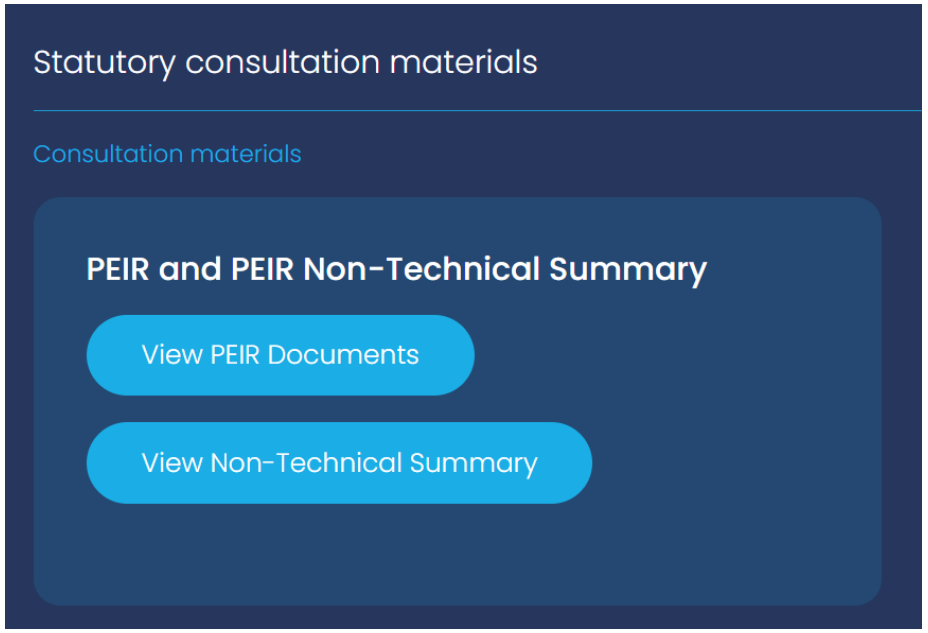
Our PEIR provides a range of assessments within our study areas to see how our proposed windfarm site could impact receptors, for example:

- **Biological**: Benthic Ecology, Fish and Shellfish Ecology, Marine Mammals, Offshore Ornithology
- **Physical**: Marine Geology, Oceanography, Physical Processes, Marine Sediment and Water Quality
- **Human**: Commercial Fisheries, Shipping and Navigation, Marine Archaeology and Cultural Heritage, Civil and Military Aviation and Radar, Infrastructure and Other Users

Also includes assessments of other topics, including Seascape, Landscape and Visual Impact, Human Health, Socioeconomic, Tourism and Recreation, Climate Change, Traffic and Transport



Each topic assessment considers:

- Applicable policy, legislation and consultation
- Existing and future environment conditions
- Potential impacts and mitigation measures during construction, operation and maintenance and decommissioning phases
- Assessment of effects, for Project alone and considering other plans, projects and activities

Interactions with other marine users

We have conducted a range of assessments within our study area to see how our proposed windfarm site could possibly impact other users and industries. For example, commercial fisheries, oil and gas infrastructure, shipping and navigation.

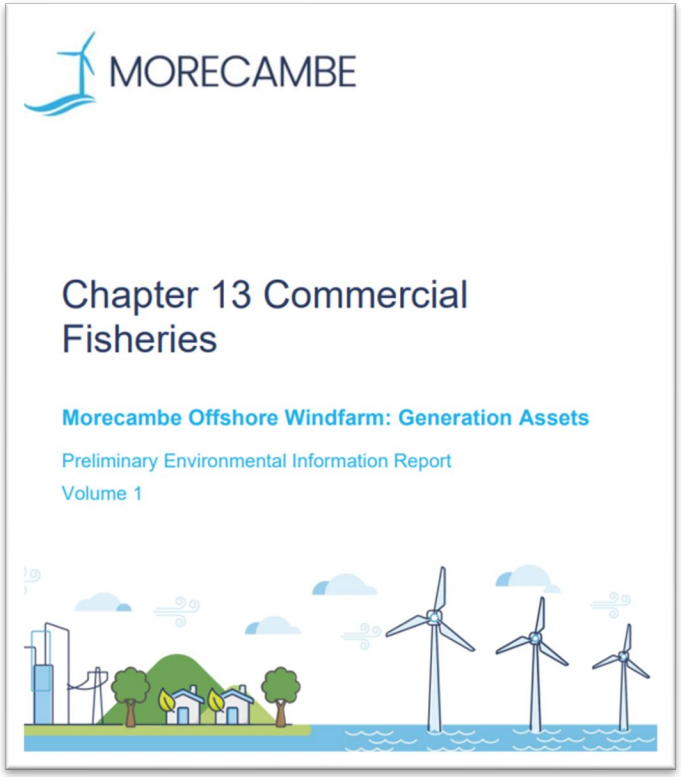
Commercial fisheries

Main fishing activity in windfarm site expected to be dominated by larger potting vessels for whelk, and to a lesser extent dredging for scallops, with occasional beam trawl activity.

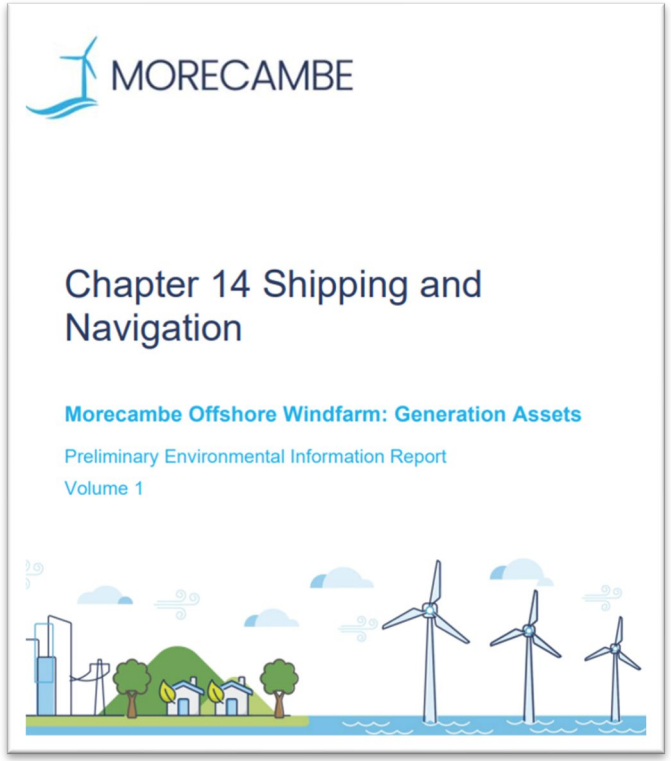
With implementation of mitigation for the construction period, it has been assessed that the effects from the Project are minor (not significant in EIA terms).

The Project will continue to liaise with fishing stakeholders following Fisheries Liaison with Offshore Wind and Wet Renewables (FLOWW) group guidance and development of a Fisheries Liaison and Co-existence Plan.

When considering other plans and projects in the area, further assessment will be undertaken considering possible reduction in access to or exclusion/displacement from established fishing grounds, and displacement or disruption to commercial fish/shellfish resources.



Interactions with other marine users



Four principal operators in study area:

- Isle of Man Steam Packet Company
- Seatruck
- Stena
- P&O

Shipping and navigation

A variety of sea users occur within in the study area, including service vessels for existing windfarms and oil and gas infrastructure, ferries and commercial cargo vessels. Potential impacts include impacts to vessel routing due to presence of windfarm infrastructure, potential for collisions and allisions, and impacts to vessel safety and communications.

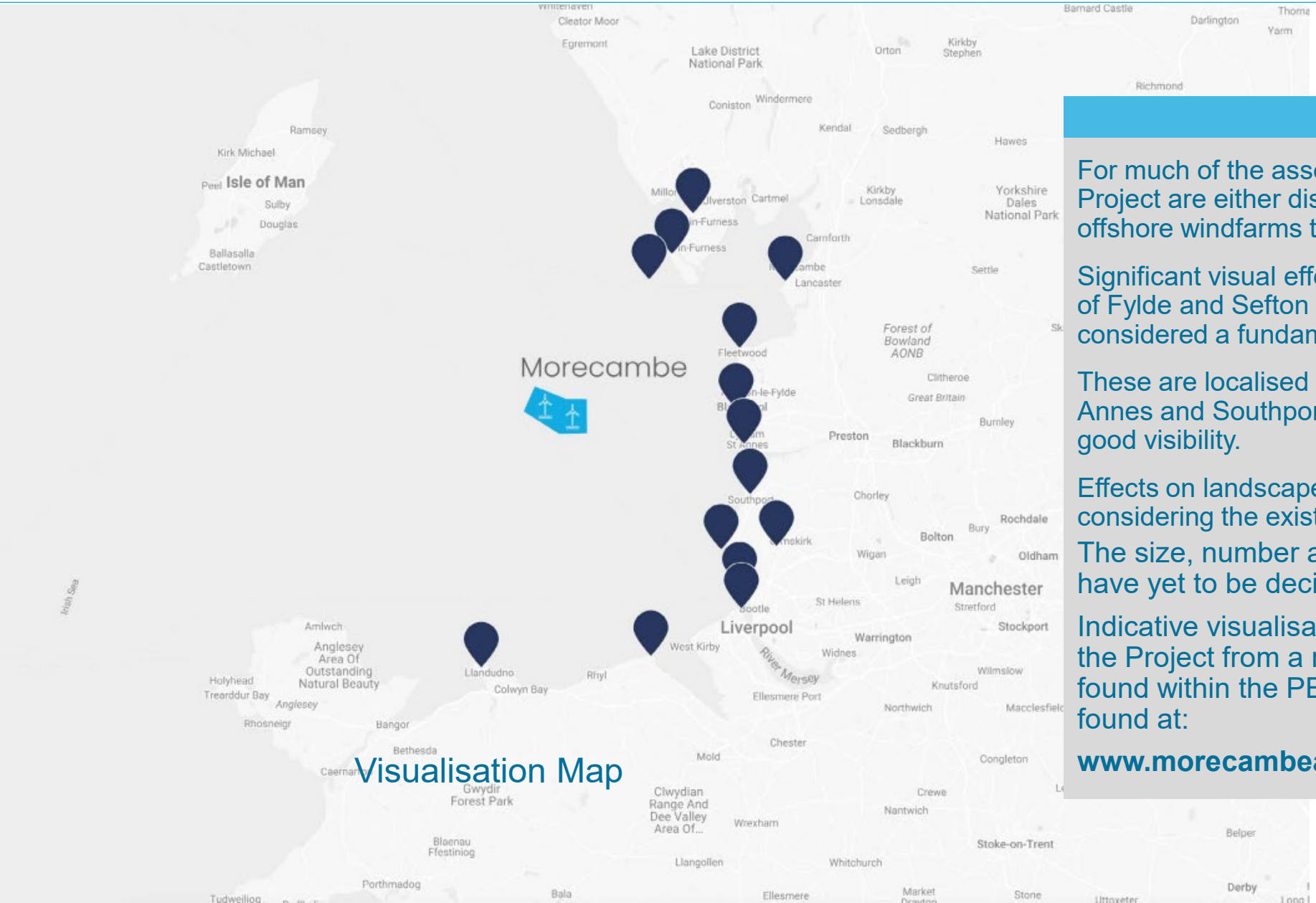
Our assessment has been supported by detailed analysis of vessel traffic data, navigational risk modelling and various meetings and workshops with vessel operators and key stakeholders.

While our Project would affect two ferry routes, only one would require a small additional travel distance from published passage plans as a result of the Project. The impacts from the Project alone were assessed as not significant in EIA terms. However, mitigations have been identified to reduce these effects further.

When considering the Project with other plans and neighbouring projects, significant effects have been identified, and are working alongside neighbouring developments jointly understand and assess these impacts.

Through ongoing assessment, risk modelling and continued engagement with key stakeholders, we will establish suitable mitigation measures ahead of developing our Environmental Statement and submitting our DCO application.

Seascape, Landscape and Visual Impact



For much of the assessment study area, views of the Project are either distant, or dominated by existing offshore windfarms to the north and south.

Significant visual effects are contained within the areas of Fylde and Sefton coast where sea views are considered a fundamental appeal of the coast.

These are localised effects at Blackpool, Lytham St Annes and Southport and are only prevalent during good visibility.

Effects on landscape character are not-significant considering the existing urban/settled character.

The size, number and positioning of our turbines have yet to be decided.

Indicative visualisations to show potential views of the Project from a range of onshore locations are found within the PEIR and on our visualisation map found at:

www.morecambeandmorgan.com/morecambe

Your feedback

MORECAMBE

We would like feedback on the work we've undertaken on our Project to date. This is covered in detail in our Preliminary Environmental Information Report (PEIR) and PEIR Non-Technical Summary.

- Marine Geology, Oceanography and Physical Processes
- Marine Sediment and Water Quality
- Benthic Ecology
- Fish and Shellfish Ecology
- Marine Mammals
- Offshore Ornithology
- Commercial Fisheries
- Shipping and Navigation
- Marine Archaeology and Cultural Heritage
- Civil and Military Aviation and Radar
- Infrastructure and Other Users
- Seascape, Landscape and Visual Impact (SLVIA)
- Human Health
- Socioeconomic, Tourism and Recreation
- Climate Change
- Traffic and Transport
- Community Benefits
- Any information that could help us plan for construction
- How we can help support job creation
- Our work to understand the technical and environmental constraints of the areas offered to us by the Crown Estate as part of its leasing process

Next steps

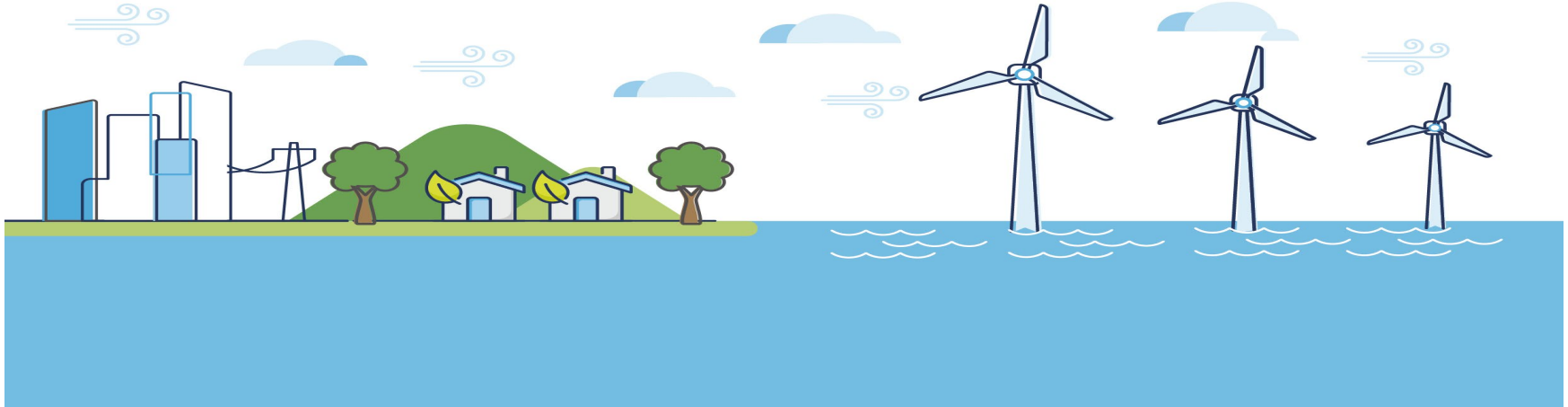
This consultation closes at **11:59pm on 4 June 2023**.

Once consultation has closed, we'll carefully consider all the responses received as we develop our proposals further and prepare to submit our DCO application to the Planning Inspectorate and Secretary of State.

This will include update of our environmental assessments to consider consultation feedback on the PEIR and any additional information obtained (e.g. new survey data). The updated assessments will be reflected in our Environmental Statement and supporting documents to be submitted with the DCO application.

We expect to submit our DCO application in 2024.

Assuming the DCO application is successful, we expect to start construction in 2026 at the earliest.



Indicative timeline

2022

Ongoing technical and environmental survey work.

Non-statutory consultation on Morecambe and Morgan offshore windfarms.

2023

Statutory consultation on Morecambe Offshore Windfarm Generation Assets.

2024

Application submitted for a Development Consent Order (DCO).

2026

Earliest anticipated commencement of construction.

2028/29

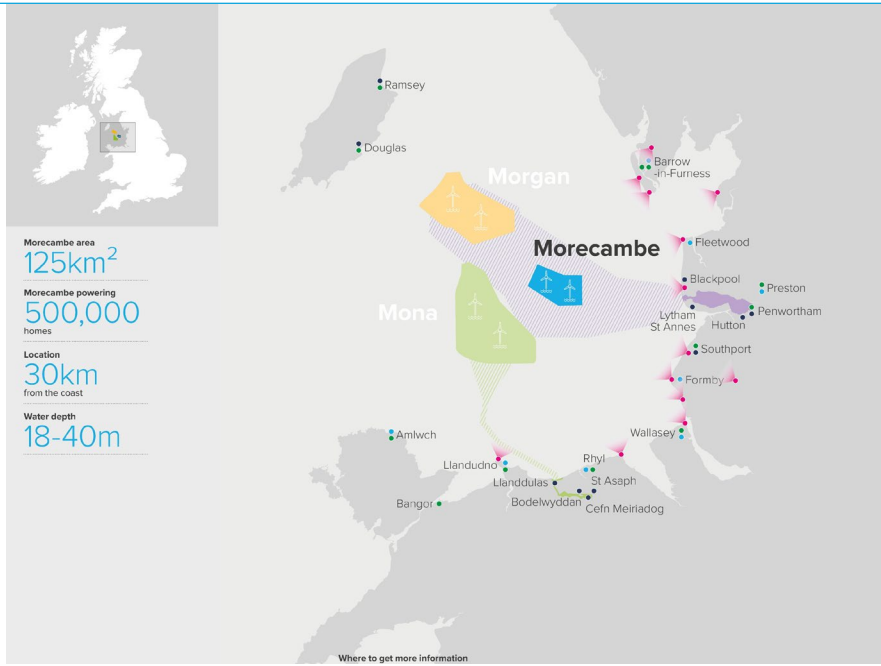
Expected start – Commercial Operation Date (COD).

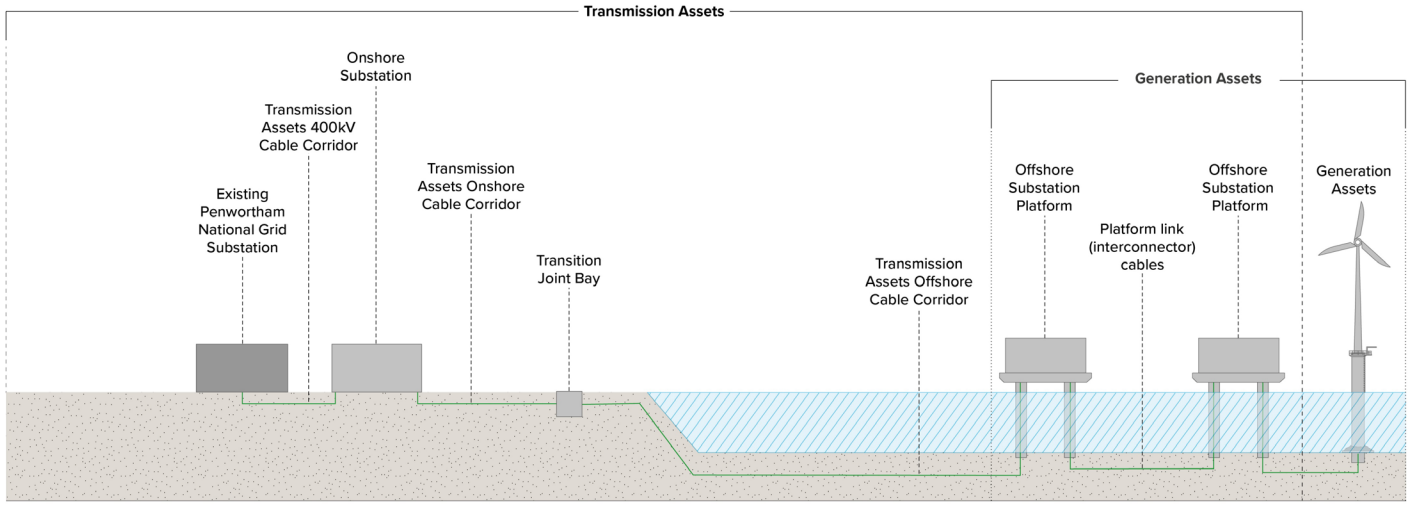
Correct at time of publication: April 2023. Please note that this is an indicative timeline subject to change.

Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Morgan and Morecambe Offshore Wind Farms: Transmission Assets refers to the offshore and onshore assets that will be used to transport electricity from **Morecambe Offshore Windfarm** and the **Morgan Offshore Wind Project** to the National Grid substation at Penwortham.

- Both projects were scoped into the Pathways to 2030 workstream under the Offshore Transmission Network Review
- The output of this process concluded that the Morecambe Offshore Windfarm and the Morgan Offshore Wind Project should work collaboratively in connecting the windfarms to the national grid
- Both offshore windfarm projects intend to submit a single joint application for the transmission assets
- Online webinar planned on **Tuesday 23 May**
- Further information can be found at **www.morecambeandmorgan.com/transmission**.





This indicative diagram illustrates which part of the projects are classified as generation assets (Morecambe Offshore Windfarm and Morgan Offshore Wind Project) and which parts are classified as transmission assets (Morgan and Morecambe Offshore Wind Farms: Transmission Assets).

Q&A

MORECAMBE

MORECAMBE

Appendix D38
Local Authority Online Briefing Presentation

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Morecambe Offshore Windfarm

Generation Assets

Statutory consultation briefing

25 April 2023

Agenda

- About us, the Project and our consultation
- What the Project will look like
- Our work so far
- Interactions with other marine users
- Your feedback
- Accessing more information
- Morgan and Morecambe Offshore Wind Farms: Transmission Assets
- Next steps

- Please note that this meeting is being recorded

About us

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Flotation Energy has a growing project pipeline of offshore wind projects with 13GW in the UK, Ireland, Taiwan, Japan and Australia; and plans to expand into many more key markets.

Our consultation

- We're now holding a public consultation on our latest proposals
- Consultation will run for 47 days, from 19 April to 4 June
- We're committed to an open and transparent consultation
- This is our second consultation on the latest design of the Project

This stage of consultation is a statutory requirement of the **Development Consent Order** (DCO) process, in accordance with the Planning Act 2008.

This project is categorised as a **Nationally Significant Infrastructure Project** (NSIP). This means we're required to make an application for a DCO which grants us permission to build, operate and maintain the Project.

You can share any feedback you may have by using one of the following methods:

- Use our online consultation feedback map at **www.morecambeandmorgan.com/morecambe**
- Complete an online version of our feedback form at **www.morecambeandmorgan.com/morecambe**
- Pick up and fill out a paper copy feedback form at one of our in-person events or from one of our deposit locations
- Send an email to **hello@morecambeoffshorewind.com**
- Write to us at **FREEPOST MORECAMBE GENERATION**

Our consultation

Promoting the consultation and our events

- Consultation invitation postcards sent to around 100,000 addresses across the North-West of England, North Wales and the Isle of Man.
- Joint press release with bp/ EnBW.
- Consultation brochure explaining the Project in an accessible way.
- Advertising campaign spanning print, digital, audio and search.

MORECAMBE

EnBW bp

Partners in UK offshore wind

Morgan Offshore Wind Project Generation Assets

Morecambe Offshore Windfarm Generation Assets

Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Consultations open: 19 April to 4 June 2023

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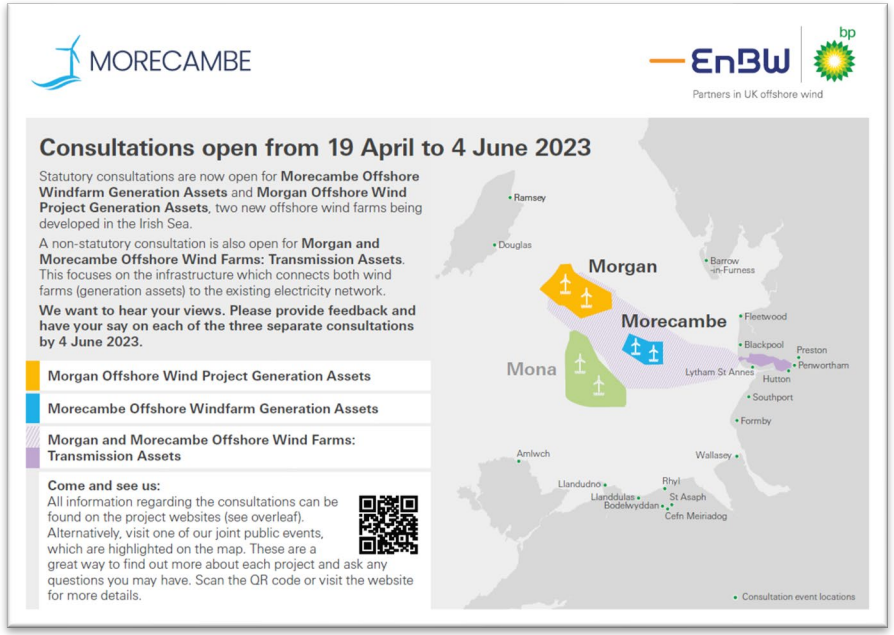

MORECAMBE

EnBW bp

Partners in UK offshore wind

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We want to hear your views. Please provide feedback and have your say on each of the three separate consultations by 4 June 2023.

Morgan Offshore Wind Project Generation Assets

Morecambe Offshore Windfarm Generation Assets

Morgan and Morecambe Offshore Wind Farms: Transmission Assets

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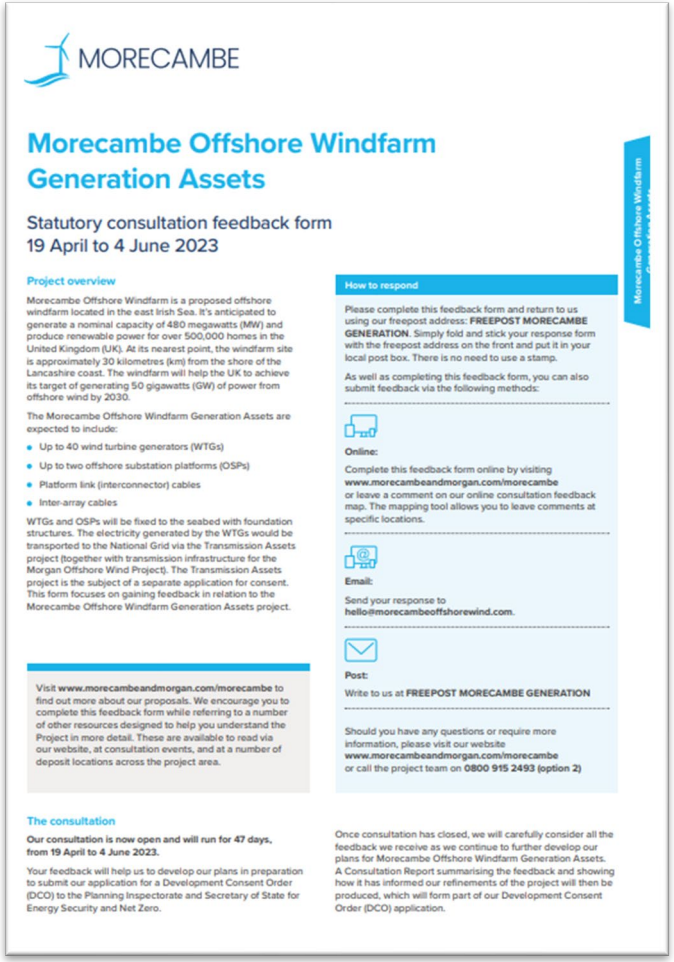
Our consultation

Promoting the consultation and our events

- Notices placed in regional, national and fishing trade newspapers
- 19 in-person consultation events and one online webinar
- 12 deposit locations
- Posters sent to prominent locations across the Project area
- Proposed approach to the statutory stage of consultation for the Morecambe Offshore Windfarm Generation Assets can be found in our Statement of Community Consultation (SoCC)



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Morecambe Offshore Windfarm Generation Assets

Statutory consultation feedback form
19 April to 4 June 2023

Project overview

Morecambe Offshore Windfarm is a proposed offshore windfarm located in the east Irish Sea. It's anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). At its nearest point, the windfarm site is approximately 30 kilometres (km) from the shore of the Lancashire coast. The windfarm will help the UK to achieve its target of generating 50 gigawatts (GW) of power from offshore wind by 2030.

The Morecambe Offshore Windfarm Generation Assets are expected to include:

- Up to 40 wind turbine generators (WTGs)
- Up to two offshore substation platforms (OSPs)
- Platform link (interconnector) cables
- Inter-array cables

WTGs and OSPs will be fixed to the seabed with foundation structures. The electricity generated by the WTGs would be transported to the National Grid via the Transmission Assets project (together with transmission infrastructure for the Morgan Offshore Wind Project). The Transmission Assets project is the subject of a separate application for consent. This form focuses on gaining feedback in relation to the Morecambe Offshore Windfarm Generation Assets project.

Visit **www.morecambeandmorgan.com/morecambe** to find out more about our proposals. We encourage you to complete this feedback form while referring to a number of other resources designed to help you understand the Project in more detail. These are available to read via our website, at consultation events, and at a number of deposit locations across the project area.

How to respond

Please complete this feedback form and return to us using our freepost address: **FREEPOST MORECAMBE GENERATION**. Simply fold and stick your response form with the freepost address on the front and put it in your local post box. There is no need to use a stamp.

As well as completing this feedback form, you can also submit feedback via the following methods:

Online:

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Email:

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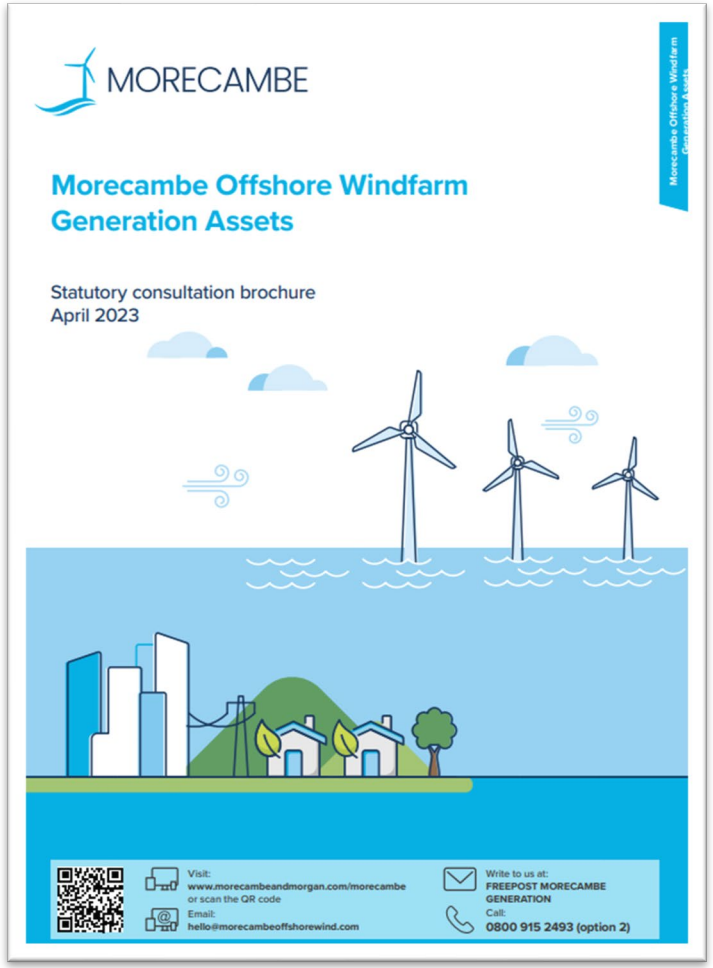
Your feedback will help us to develop our plans in preparation to submit our application for a Development Consent Order (DCO) to the Planning Inspectorate and Secretary of State for Energy Security and Net Zero.

Once consultation has closed, we will carefully consider all the feedback we receive as we continue to further develop our plans for Morecambe Offshore Windfarm Generation Assets. A Consultation Report summarising the feedback and showing how it has informed our refinements of the project will then be produced, which will form part of our Development Consent Order (DCO) application.



MORECAMBE

Morecambe Offshore Windfarm Generation Assets

Statutory consultation brochure
April 2023

Visit:
www.morecambeandmorgan.com/morecambe
or scan the QR code
Email:
hello@morecambeoffshorewind.com

Write to us at:
FREEPOST MORECAMBE GENERATION
Call:
0800 915 2493 (option 2)

About the Project

MORECAMBE

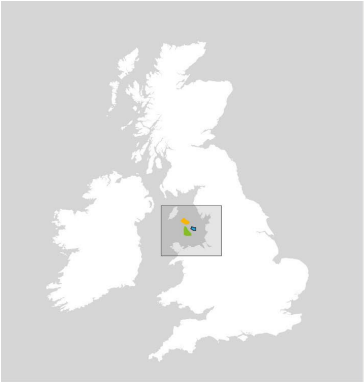
This Project will play a key role in tackling climate change by:

- Generating low carbon electricity from an offshore windfarm in support of the decarbonisation and security of the UK electricity supply.
- Optimising generation capacity within the constraints of available sites and grid infrastructure.
- Delivering a significant volume of offshore wind in support of the UK Government's Net Zero by 2050 target and commitment to deliver up to 50GW of offshore wind by 2030.
- Contribute to achieving the aims of the UK's Energy Security Strategy.

Choosing the right location

We undertook an exercise which considered the technical and environmental constraints of the area. This was followed by detailed analysis, informed by engineers, planners, legal, and environmental professionals, whose expertise was drawn upon throughout the process.

To date, some key design decisions have been made through the site selection process, ongoing engagement, and stakeholder feedback.

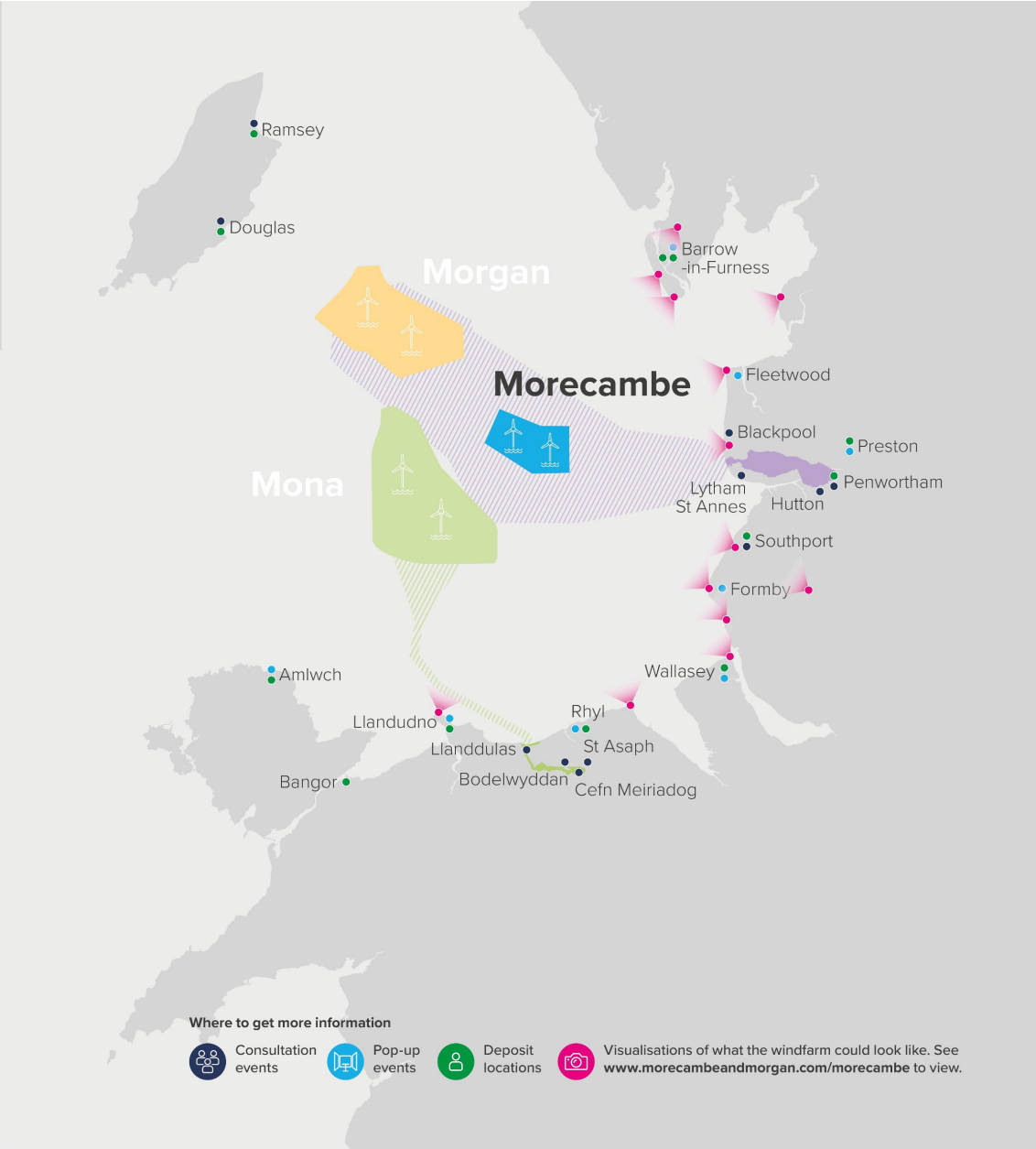


Morecambe area
125km^2

Morecambe powering
500,000
homes

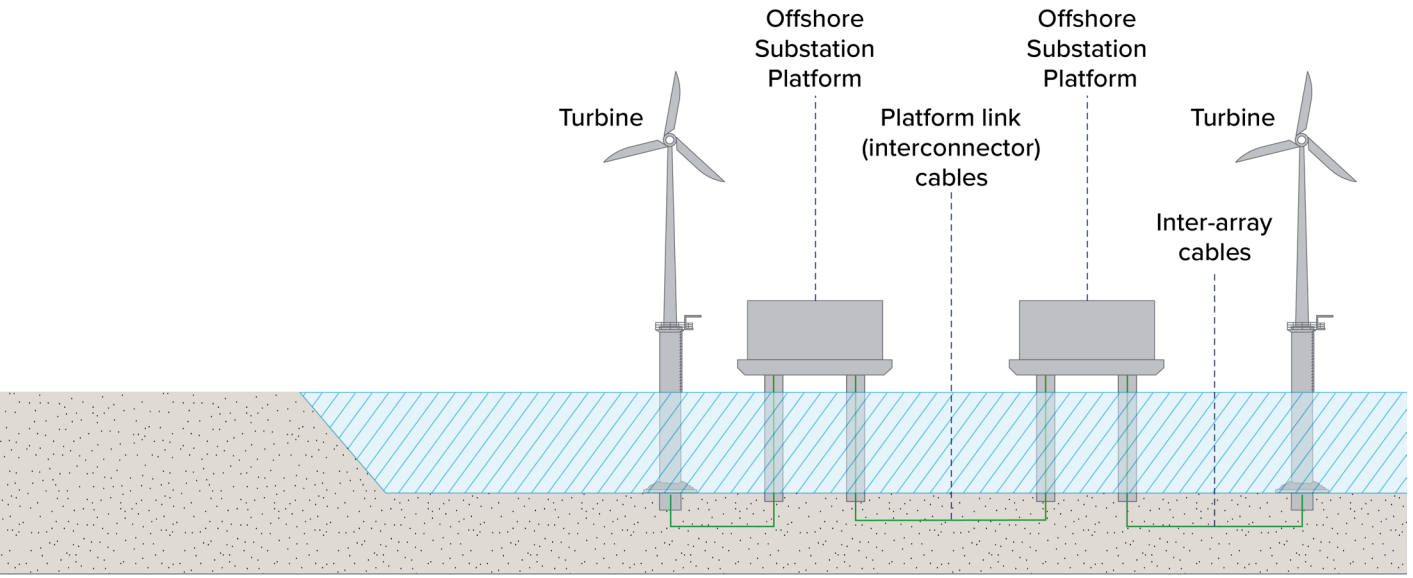
Location
30km
from the coast

Water depth
18-40m

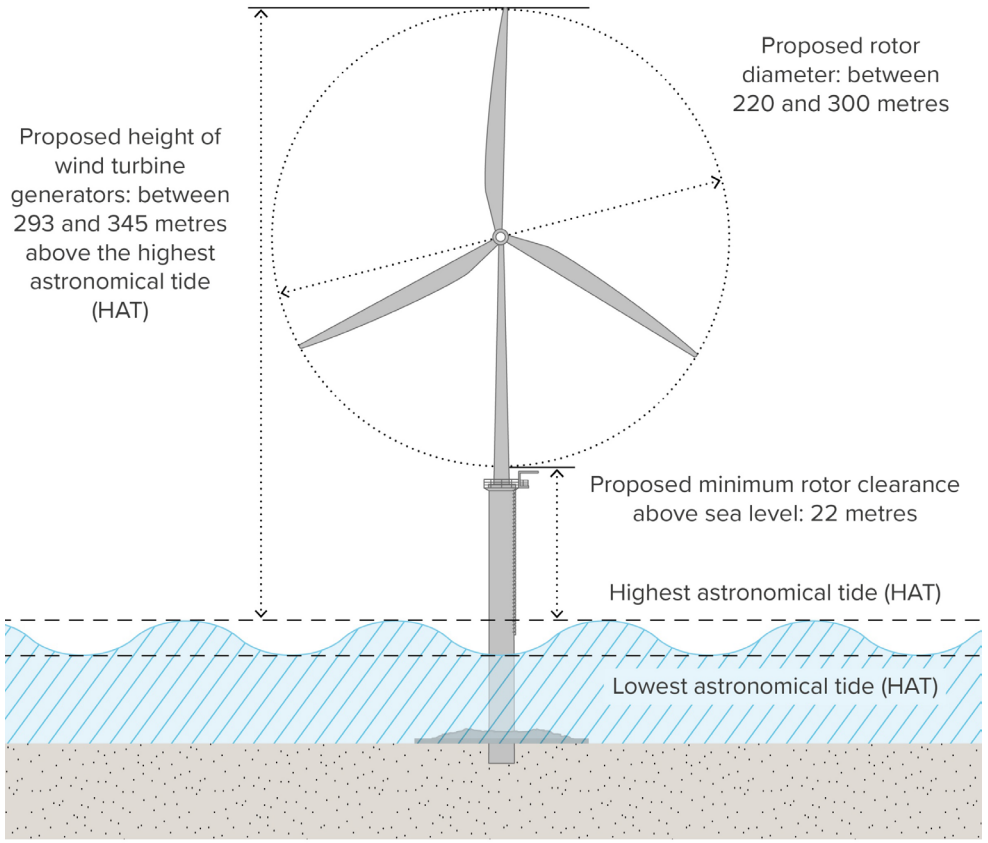


What the Project will look like

- Up to 40 wind turbine generators (WTGs)
- Up to two offshore substation platforms (OSPs)
- Platform link (interconnector) cables
- Inter-array cables



The components of Morecambe Offshore Windfarm Generation Assets



Indicative diagram of what a typical WTG could look like. Actual design may differ.
The above image is not to scale and for illustrative purposes only.

Our work so far

We've been carrying out a range of environmental assessments to better understand the potential impacts of the Project on the environment.

We also continue to engage with stakeholders to understand in greater detail the area that we're proposing to work in. To date, we've undertaken the following surveys and assessments:

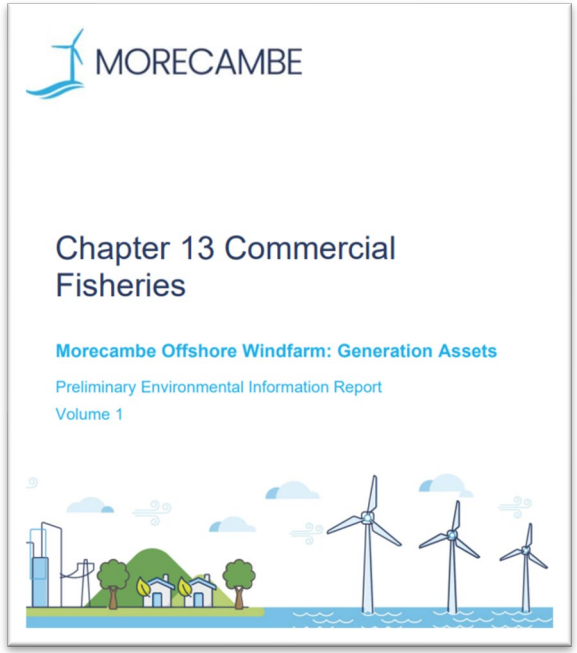
- **Geophysical surveys** – to distinguish the physical characteristics of the site (surface and subsurface).
- **Benthic surveys** – to identify and map any habitats. Video footage and a collection of sediment samples have been taken.
- **Aerial surveys** – to record any birds and marine mammals seen across the site. So far, we have processed a year's worth of data and have another year's worth of data that will feed into our final assessment.
- **Viewpoint photography** – to analyse the existing views in comparison to indicative views of the proposed Project.
- **Marine vessel traffic surveys** – two 14-day at sea surveys were undertaken to record vessel activity in the area around the Project.

Interactions with other marine users

We have conducted a range of assessments within our study area to see how our proposed windfarm site could possibly impact other users and industries. For example, commercial fisheries, oil and gas infrastructure, shipping and navigation.

Commercial fisheries

With mitigation for the construction period, it has been assessed that the effects from the Project are minor. When considering other plans and projects in the area, further assessment will be undertaken.

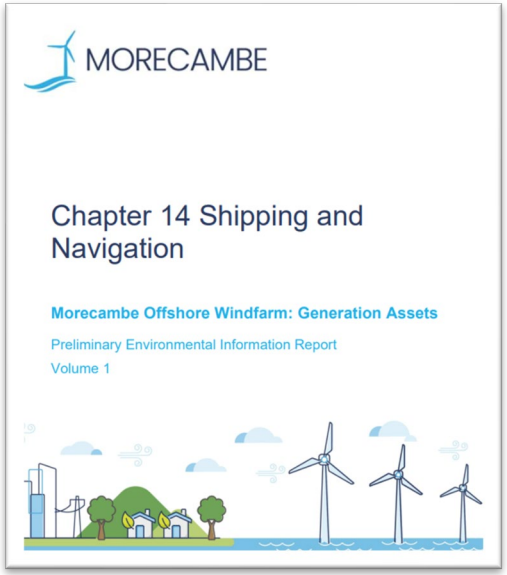


Shipping and navigation

The impacts from the Project alone were assessed as not significant. However, mitigations have been identified to reduce these effects further.

When considering the Project with other plans and neighbouring projects, significant effects have been identified.

We will aim to implement suitable mitigation measures ahead of developing our Environmental Statement and submitting our DCO application.



Your feedback

We would like feedback on the work we've undertaken on our Project to date. This is covered in detail in our Preliminary Environmental Information Report (PEIR) and PEIR Non-Technical Summary.

- Marine Geology, Oceanography and Physical Processes
- Marine Sediment and Water Quality
- Benthic Ecology
- Fish and Shellfish Ecology
- Marine Mammals
- Offshore Ornithology
- Commercial Fisheries
- Shipping and Navigation
- Marine Archaeology and Cultural Heritage
- Civil and Military Aviation and Radar
- Infrastructure and Other Users
- Seascape, Landscape and Visual Impact (SLVIA)
- Human Health
- Socioeconomic, Tourism and Recreation
- Climate Change
- Traffic and Transport
- Community Benefits
- Any information that could help us plan for construction
- How we can help support job creation
- Our work to understand the technical and environmental constraints of the areas offered to us by the Crown Estate as part of its leasing process

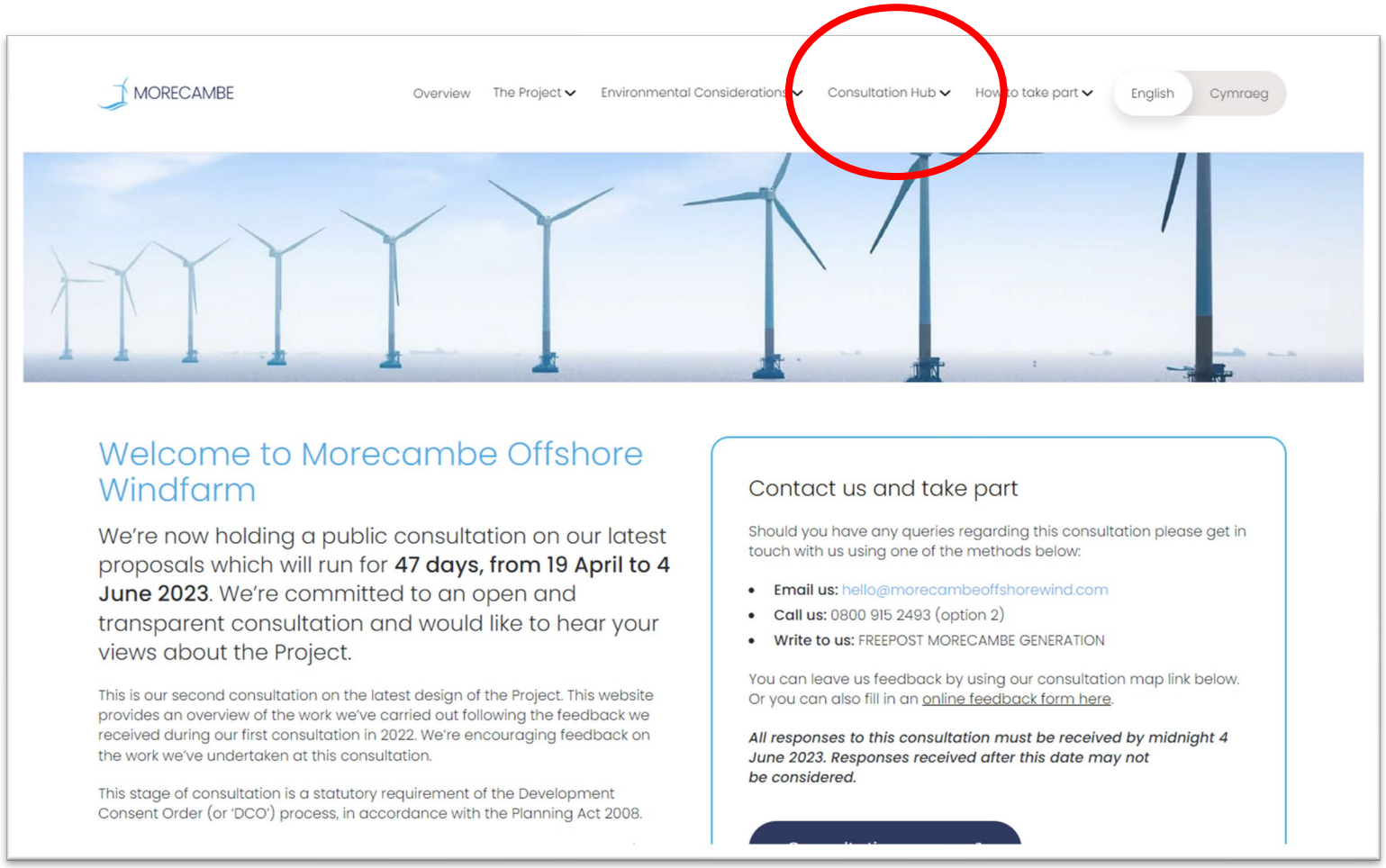
Accessing more information

We want to make sure everyone has access to all the information needed about the Project. During the consultation you can:

- **Visit www.morecambeandmorgan.com/Morecambe.** Here you can find more information and access our full suite of materials, including this brochure, online feedback form, online consultation feedback map, visualisations of what the windfarm could look like, PEIR and PEIR Non-Technical Summary (PEIR NTS).

- **Attend a consultation event**
  We will be holding a series of public consultation events where you can meet our team, find out more about the Project, and ask any questions you might have.

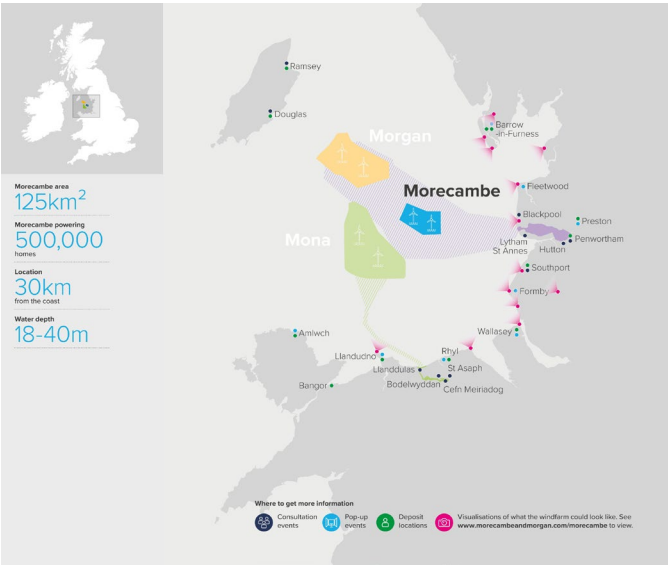
- **Visit one of our deposit locations**
  Throughout the consultation period (19 April to 4 June 2023) you can visit one of the deposit locations listed and pick up paper copies of our brochure, feedback form, PEIR NTS and Statement of Community Consultation (or 'SoCC')

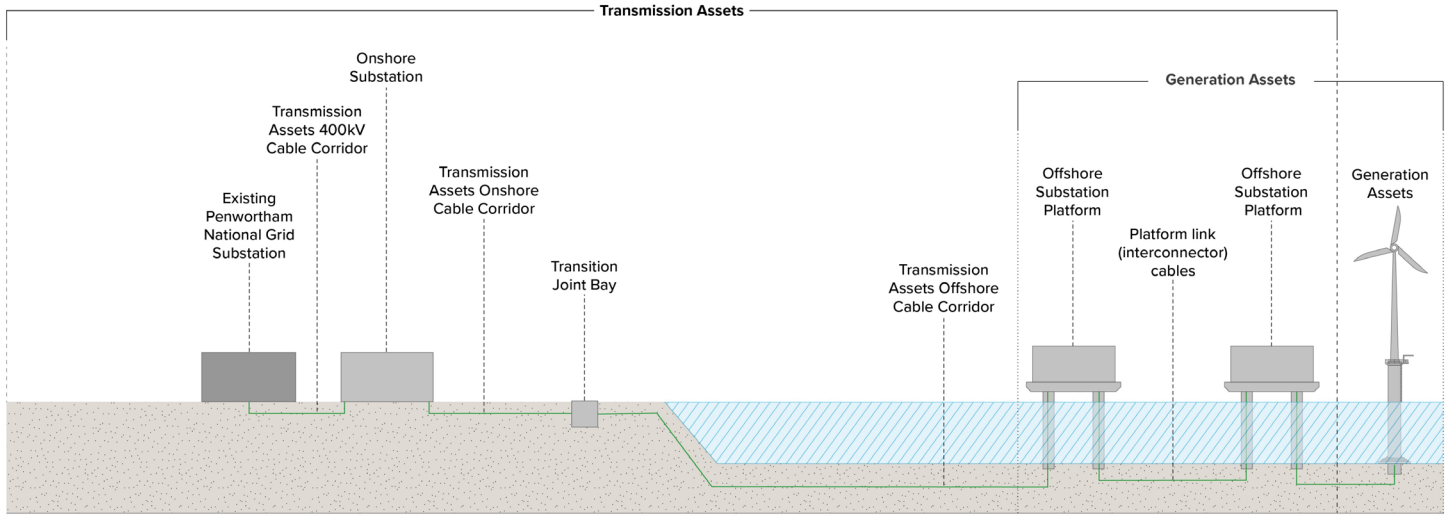


Morgan and Morecambe Offshore Wind Farms: Transmission Assets

Morgan and Morecambe Offshore Wind Farms: Transmission Assets refers to the offshore and onshore assets that will be used to transport electricity from **Morecambe Offshore Windfarm** and the **Morgan Offshore Wind Project** to the National Grid substation at Penwortham.

- Both projects were scoped into the Pathways to 2030 workstream under the Offshore Transmission Network Review
- The output of this process concluded that the Morecambe Offshore Windfarm and the Morgan Offshore Wind Project should work collaboratively in connecting the windfarms to the national grid.
- Both offshore windfarm projects intend to submit a single joint application for the transmission assets.
- Further information can be found at **www.morecambeandmorgan.com/transmission**





This indicative diagram illustrates which part of the projects are classified as generation assets (Morecambe Offshore Windfarm and Morgan Offshore Wind Project) and which parts are classified as transmission assets (Morgan and Morecambe Offshore Wind Farms: Transmission Assets).

Next steps

This consultation closes at **midnight 4 June 2023**.

Once consultation has closed, we'll carefully consider all the responses received as we develop our proposals further and prepare to submit our DCO application to the Planning Inspectorate and Secretary of State.

We expect to submit our application in 2024.

Assuming the DCO application is successful, we expect to start construction in 2026 at the earliest.

Indicative timeline

2022

Ongoing technical and environmental survey work.

Non-statutory consultation on Morecambe and Morgan offshore windfarms.

2023

Statutory consultation on Morecambe Offshore Windfarm Generation Assets.

2024

Application submitted for a Development Consent Order (DCO).

2026

Earliest anticipated commencement of construction.

2028/29

Expected start – Commercial Operation Date (COD).

Correct at time of publication: April 2023. Please note that this is an indicative timeline subject to change.

Any questions?

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Appendix D39
Acknowledgment Letter of Receipt

Hello

Morecambe Offshore Windfarm Generation Assets – acknowledgement of receipt of consultation feedback

Thank you for submitting your feedback to the Morecambe Offshore Windfarm Generation Assets. We can confirm that we have received your submission. Our consultation closed on 4 June 2023, and we are now reviewing your submission and all the feedback we received along with the findings from our ongoing assessments as we finalise our detailed proposals for the project.

When we are happy that our proposals are ready, we will then submit our application for development consent to the Planning Inspectorate. We are planning on providing more information on some aspects of the project refinement prior to application. To see the latest news and updates about the project, please visit www.morecambeoffshorewind.com.

While we will record and acknowledge all the feedback submitted to this consultation, we will be unable to respond to you individually.

We will address all the issues and themes raised in your feedback and explain how we have considered your views when developing our final proposals, in our Consultation Report. Our Consultation Report will be submitted as part of our application to the Planning Inspectorate.

Applications for development consent are submitted to the Planning Inspectorate and examined by an Examining Authority, and decisions are made by the relevant Secretary of State, in this case the Secretary of State for Energy Security and Net Zero. We expect to submit our application in 2024. If our application is successful, we expect to begin construction in 2026/2027, at the earliest.

Further opportunities to contribute

As someone who has submitted feedback to the consultation, you can sign up for PINS updates on their website: www.infrastructure.planninginspectorate.gov.uk.

Our recent consultation was likely the last time we will consult on our proposals for Morecambe Offshore Windfarm Generation Assets. However, further to our application being accepted for examination you will be able to register your interest in our proposals directly with the Planning Inspectorate, who will then inform you about the progress of our application during the examination process, and further opportunities you will have to contribute to that process.

You can find out more about the process for considering applications for development consent for Nationally Significant Infrastructure Projects and the Planning Inspectorate at https://infrastructure.planninginspectorate.gov.uk/

Should you need any assistance, please do not hesitate to contact the project team by phone on 0800 915 2493 (option 2), emailing us at hello@morecambeoffshorewind.com or sending a letter to FREEPOST MORECAMBE GENERATION.

Once again, thank you for taking part in the consultation process.

Yours sincerely,

Morecambe Offshore Wind Project: Generation Assets, on behalf of Morcambe Offshore Wind Limited

Hello

Mona Offshore Wind Project & Morecambe Offshore Windfarm Generation Assets – acknowledgement of receipt of consultation feedback

Thank you for submitting your feedback to the Mona Offshore Wind Project & Morecambe Offshore Windfarm Generation Assets consultations. We can confirm that we have received your submission. Our consultation closed on 4 June 2023, and we are now reviewing your submission and all the feedback we received along with the findings from our ongoing assessments as we finalise our detailed proposals for the project.

When we are happy that our proposals are ready, we will then submit our application for development consent to the Planning Inspectorate. We are planning on providing more information on some aspects of the project refinement prior to application. To see the latest news and updates about the project, please visit www.morganandmona.com and www.morecambeoffshorewind.com.

While we will record and acknowledge all the feedback submitted to these consultations, we will be unable to respond to you individually.

We will address all the issues and themes raised in your feedback and explain how we have considered your views when developing our final proposals, in our Consultation Reports. Our Consultation Reports will be submitted as part of our applications to the Planning Inspectorate.

Applications for development consent are submitted to the Planning Inspectorate and examined by an Examining Authority, and decisions are made by the relevant Secretary of State, in this case the Secretary of State for Energy Security and Net Zero. We expect to submit our applications in 2024. If our applications are successful, we expect to begin construction in 2026/2027, at the earliest.

Further opportunities to contribute

As someone who has submitted feedback to the consultations, you can sign up for PINS updates on their website: www.infrastructure.planninginspectorate.gov.uk.

Our recent consultations were likely the last times we will consult on our proposals for the Mona Offshore Wind Project & Morecambe Offshore Windfarm Generation Assets. However, further to our applications being accepted for examination you will be able to register your interest in our proposals directly with the Planning Inspectorate, who will then inform you about the progress of our applications during the examination process, and further opportunities you will have to contribute to that process.

You can find out more about the process for considering applications for development consent for Nationally Significant Infrastructure Projects and the Planning Inspectorate at https://infrastructure.planninginspectorate.gov.uk/

Should you need any assistance, please do not hesitate to contact the project teams on the following:

Mona Offshore Wind Project

Phone: 0800 860 6263

Email: info@monaoffshorewind.com

Post: FREEPOST MONA

Morecambe Offshore Windfarm Generation Assets

Phone: 0800 915 2493 (option 2)

Email: hello@morecambeoffshorewind.com

Post: FREEPOST MORECAMBE GENERATION

Once again, thank you for taking part in the consultation process.

Yours sincerely,

Hello

Mona Offshore Wind Project, Morgan Offshore Wind Project: Generation Assets & Morecambe Offshore Windfarm Generation Assets – acknowledgement of receipt of consultation feedback

Thank you for submitting your feedback to the Mona Offshore Wind Project, Morgan Offshore Wind Project: Generation Assets & Morecambe Offshore Windfarm Generation Assets consultations. We can confirm that we have received your submission(s). Our consultation closed on 4 June 2023, and we are now reviewing your submission(s) and all the feedback we received along with the findings from our ongoing assessments as we finalise our detailed proposals for the projects.

When we are happy that our proposals are ready, we will then submit our applications for development consent to the Planning Inspectorate. We are planning on providing more information on some aspects of the project refinement prior to application. To see the latest news and updates about the project, please visit www.morganandmona.com and www.morecambeandmorgan.com.

While we will record and acknowledge all the feedback submitted to these consultations, we will be unable to respond to you individually.

We will address all the issues and themes raised in your feedback and explain how we have considered your views when developing our final proposals, in our Consultation Reports. Our Consultation Reports will be submitted as part of our applications to the Planning Inspectorate.

Applications for development consent are submitted to the Planning Inspectorate and examined by an Examining Authority, and decisions are made by the relevant Secretary of State, in this case the Secretary of State for Energy Security and Net Zero. We expect to submit our applications in 2024. If our applications are successful, we expect to begin construction in 2026/2027, at the earliest.

Further opportunities to contribute

As someone who has submitted feedback to the consultations, you can sign up for PINS updates on their website: www.infrastructure.planninginspectorate.gov.uk.

Our recent consultations were likely the last times we will consult formally on our proposals for the Mona Offshore Wind Project, Morgan Offshore Wind Project: Generation Assets & Morecambe Offshore Windfarm Generation Assets. However, further to our applications being accepted for examination you will be able to register your interest in our proposals directly with the Planning Inspectorate, who will then inform you about the progress of our applications during the examination process, and further opportunities you will have to contribute to that process.

You can find out more about the process for considering applications for development consent for Nationally Significant Infrastructure Projects and the Planning Inspectorate at https://infrastructure.planninginspectorate.gov.uk/.

Should you need any assistance, please do not hesitate to contact the project teams on the following:

Mona Offshore Wind Project

Phone: 0800 860 6263

Email: info@monaoffshorewind.com

Post: FREEPOST MONA

Morgan Offshore Wind Project: Generation Assets on behalf Morgan Offshore Wind Limited

Phone: 0800 915 2493 (option 1)

Partners in UK offshore wind

Email: info@morganoffshorewind.com

Post: FREEPOST MORGAN

Morecambe Offshore Windfarm Generation Assets

Phone: 0800 915 2493 (option 2)

Email: hello@morecambeoffshorewind.com

Post: FREEPOST MORECAMBE GENERATION

Once again, thank you for taking part in the consultation process.

Yours sincerely,

MORECAMBE

Appendix D40
Acknowledgment of Receipt via Online Feedback Form/ Map

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

Should you have any queries, please get in touch with us using one of the methods below:

- **Email us:** hello@morecambeoff-shorewind.com
- **Call us:** 0800 915 2493 (option 2)
- **Write to us:** FREEPOST MORECAMBE GENERATION

Visualisations

The size, number and positioning of our turbines have yet to be decided. But at this early stage we've created indicative 3D visualisations to show potential views of the Morecambe Offshore Windfarm from a range of onshore locations.

View map

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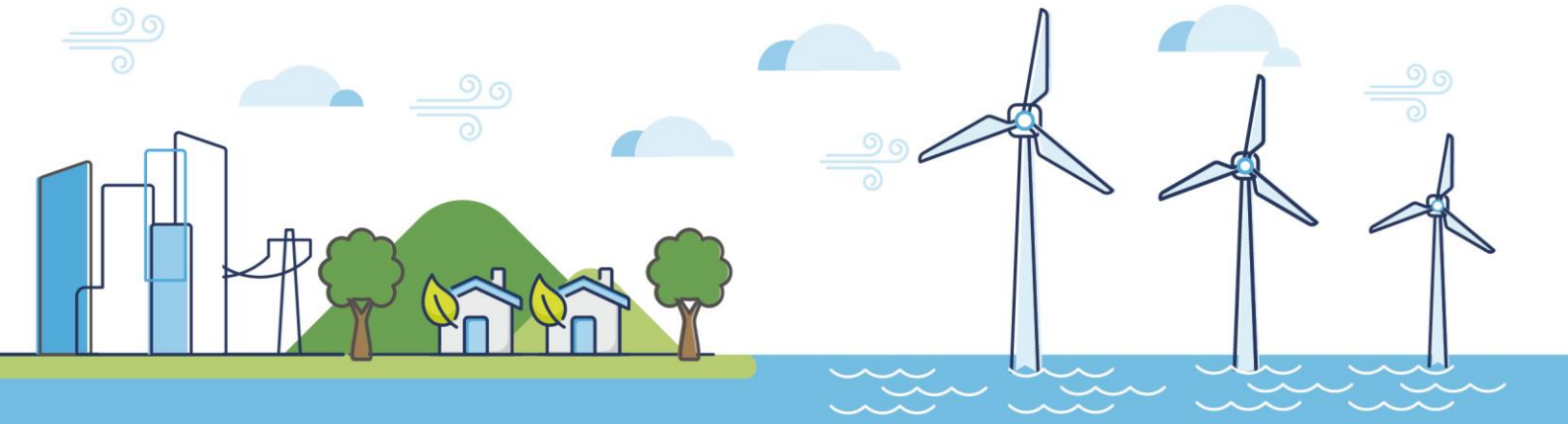
Appendix D41
PEIR Non Technical Summary

MORECAMBE

Non-Technical Summary

Morecambe Offshore Windfarm: Generation Assets

Preliminary Environmental Information Report



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Contractor Document Number:	PC1165-RHD-PE-XX-RP-Z-0001
Version Number:	V 0
Date:	31/03/2023
Prepared by:	Royal HaskoningDHV
Checked by:	RW (Morecambe Offshore Windfarm Limited)
Approved by:	JR (Morecambe Offshore Windfarm Limited)

Version Number	Reason for Issue / Major Changes	Date of Change
V 0	Final for submission	31/03/2023

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Glossary of Acronyms

CBD	Convention on Biological Diversity
CRNRA	Cumulative Regional Navigation Risk Assessment
DCO	Development Consent Order
EC	European Commission
EIA	Environmental Impact Assessment
EPP	Evidence Plan Process
EPS	European Protected Species
EnBW	Energie Baden-Württemberg
ES	Environmental Statement
ETG	Expert Topic Group
EU	European Union
FLOWW	Fisheries Liaison with Offshore Wind and Wet Renewables
HAT	Highest Astronomical Tide
LAT	Lowest Astronomical Tide
MMMP	Marine Mammal Mitigation Protocol
MCZ	Marine Conservation Zone
OWL	Offshore Windfarm Limited
MPS	Marine Policy Statement
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NSIP	Nationally Significant Infrastructure Project
NTS	Non-Technical Summary
OSP	Offshore Substation Platform
OSPAR Convention	Convention for the Protection of the Marine Environment of the North-East Atlantic
OWF(s)	Offshore Windfarm(s)
PDE	Project Design Envelope
PEI	Preliminary Environmental Information
PEIR	Preliminary Environmental Information Report
PEMP	Project Environmental Management Plan
PINS	Planning Inspectorate
PATP	Port Access and Transport Plan
PSR	Primary Surveillance Radar
SAC	Special Area of the Conservation
SLVIA	Seascape, Landscape and Visual Impact Assessment

SoCC	Statement of Community Consultation
UK	United Kingdom
UKHO	United Kingdom Hydrographic Office
WSI	Written Scheme of Investigation
WTG	Wind Turbine Generators

Glossary of Unit Terms

GW	Gigawatt
Km	Kilometre
MW	Megawatts

Glossary of Terminology

Applicant	Morecambe Offshore Windfarm Limited
Generation assets (the Project)	Generation assets associated with the Morecambe Offshore Windfarm. This is infrastructure in connection with electricity production, namely the fixed foundation wind turbine generators, inter-array cables, offshore substation platform(s) and possible platform link cables to connect offshore substations.
Inter-array cables	Cables which link the wind turbine generators to each other and the offshore substation platform.
Offshore export cables	The cables which bring electricity from the offshore substation platform to the landfall.
Offshore substation platform(s)	A fixed structure located within the windfarm site, containing electrical equipment to aggregate the power from the wind turbine generators and convert it into a more suitable form for export to shore.
Platform link cable (interconnector cables)	An electrical cable which links one or more offshore substation platforms.
Technical stakeholders	Technical consultees are considered to be organisations with detailed knowledge or experience of the area within which the Project is located and/or receptors which are considered in the Environmental Impact Assessment and the Habitats Regulations Assessment. Examples of technical stakeholders include Marine Management Organisation, local authorities, Natural England and Royal Society for the Protection of Birds.
Morgan and Morecambe Offshore Wind Farms: Transmission Assets	The transmission assets for the Morgan Offshore Wind Project and the Morecambe Offshore Windfarm. This includes the offshore substation platforms (OSPs)[1], interconnector cables, the Morgan offshore booster station, offshore export cables, landfall site, onshore export cables, onshore substations, 400kV cables and associated grid connection infrastructure such as circuit breaker infrastructure. Also referred to in this document as the transmission assets, for ease of reading.
Windfarm site	The area within which the wind turbine generators, inter-array cables, offshore substation platforms and platform link cables will be present.

[1] At this stage it has not been determined whether the OSPs will remain as part of the generation assets or be transferred to an offshore transmission owner (OFTO) with the transmission assets. For this reason, they are included in both the separate development consent orders (DCOs) for the generation and transmission assets.

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The future of renewable energy

A leading developer in Offshore Wind Projects

1 Introduction

1.1 About this document

1.1 This document is the Non-Technical Summary (NTS) of the Preliminary Environmental Information Report (PEIR) for Morecambe Offshore Windfarm Generation Assets (the Project). It provides a summary of the Project, the site selection process, engineering design development and the key findings of the Environmental Impact Assessment (EIA) process to date. The purpose of the EIA is to allow stakeholders to develop an informed view of the development, as required by The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017).

1.2 The Project is a Nationally Significant Infrastructure Project (NSIP). Consent to construct, operate and maintain, and decommission the Project is therefore being requested from the Secretary of State for Business, Energy and Industrial Strategy[2], through the Development Consent Order (DCO) process, under the Planning Act 2008. The purpose of the PEIR is to provide the Preliminary Environmental Information (PEI) which has been gathered and an assessment of the potential significant environmental effects of the Project, during its construction, operation and maintenance, and decommissioning phases.

1.3 The Project relates only to the generation assets of the Morecambe Offshore Windfarm, including wind turbine generators (WTGs), inter-array cables, offshore substation platforms (OSPs) and possible platform link cables to connect OSPs.

1.4 A separate DCO consent application under the Planning Act 2008 will be made for the transmission assets (including the offshore and onshore export cables and onshore substations) associated with both the Morecambe Offshore Windfarm and the Morgan Offshore Wind Project (another proposed windfarm to be located in the Irish Sea). In line with the governments drive for coordination, the Morecambe and Morgan projects are working cooperatively to deliver a single common onshore connection point to the National Grid electricity transmission network and are collaborating in the design and delivery of the transmission assets for both projects.

[2] As of February 2023, BEIS is known as the department for Energy Security and Net Zero

1.2 Project background

1.5 The Morecambe Offshore Windfarm is a proposed offshore windfarm (OWF) located in the east Irish Sea. It is anticipated to generate a nominal capacity of 480 megawatts (MW) and produce renewable power for over 500,000 homes in the United Kingdom (UK). The Project was successful in early 2021 as part of The Crown Estate's Offshore Wind Round 4 site leasing auction process. The Project windfarm site comprises an area of up to 125km^2 and is located approximately 30km off the Lancashire coast, as shown in **Figure 1.1**.

1.6 The Project will include WTGs to generate carbon free, renewable energy. Inter-array cables will connect to the WTGs and carry the electricity from the WTGs to one or two OSPs. The OSPs will convert the power from the WTGs to a suitable voltage for transmission to shore. As there may be up to two OSPs, these would be linked by platform link cables. This arrangement allows for greater flexibility in how the OSPs operate. The generation assets will be contained in the windfarm site as shown in **Figure 1.1**.

1.3 Who is developing the Project

1.7 The Applicant is Morecambe Offshore Windfarm Limited (Morecambe OWL), a joint venture between Cobra Instalaciones y Servicios, S.A. (Cobra), and Flotation Energy Limited (Flotation Energy).

1.8 Cobra is a world leader in the development, construction and management of industrial infrastructure and energy projects, with more than 75 years of experience.

1.9 Flotation Energy is a UK based offshore wind development company which has a growing project pipeline of offshore wind projects. The expertise of the Flotation Energy team lies in the project and engineering management of large infrastructure projects.

1.10 Royal HaskoningDHV has supported Morecambe OWL in the production of this PEIR. Royal HaskoningDHV is one of the UK's leading offshore wind EIA and consent consultancies. Royal HaskoningDHV has provided environmental, development and consenting support on over 14GW of renewable energy projects across the UK.

1.4 Consent and EIA process

1.11 The overall objective of the EIA process is to identify potential significant effects resulting from a project. Where possible and practicable, the EIA will identify ways for impacts to be avoided, minimised or mitigated.

1.12 As the Project has a planned capacity of over 100MW it is therefore considered a NSIP under the Planning Act 2008, as amended. Under The Infrastructure Planning (Environmental Impact Assessment) Regulations

2017, an EIA must be undertaken in support of an application for development consent of an NSIP. This PEIR sets out the preliminary findings of the EIA that will be finalised and reported within the Environmental Statement (ES), supporting the application for a DCO.

1.5 Transmission assets

1.13 The Morecambe Offshore Windfarm and Morgan Offshore Wind Project will apply for a single DCO which authorises two coordinated, but electrically separate, sets of transmission assets (for example, where each offshore windfarm would have its own transmission cables and substation infrastructure). As such, a separate EIA process will be required to support the DCO application for the transmission assets. Accordingly, an EIA scoping report for the transmission assets was published in October 2022, and a PEIR will be produced in the second half of 2023. A final ES will be produced as part of the DCO application process for the transmission assets. Whilst this is a separate application, a cumulative assessment will be undertaken for each DCO application, which will include consideration of effects of both the generation and transmission assets.

1.14 The Morgan Offshore Wind Project is being developed by Morgan Offshore Wind Limited, a joint venture between bp and Energie Baden-Württemberg AG (EnBW). Morecambe OWL will work alongside Morgan Offshore Wind Limited to jointly apply for the DCO for the transmission assets.

1.15 The locality of the Project, the Morgan Offshore Wind Project and the scoping boundary for the coordinated transmission assets (within which the infrastructure for the transmission assets will be located) are shown in **Figure 1.2**.

1.6 The PEIR structure

1.16 The PEIR for the Project comprises three volumes:

- Volume 1: PEIR chapters (a chapter list is given in **Table 1.1**)
- Volume 2: Figures
- Volume 3: Appendices

Table 1.1 PEIR Volume 1 chapter list

Section	Chapter heading
Introductory chapters	Chapter 1 Introduction
	Chapter 2 Need for the Project
	Chapter 3 Policy and Legislation
	Chapter 4 Site Selection and Assessment of Alternatives
	Chapter 5 Project Description
	Chapter 6 EIA Methodology
Technical chapters	Chapter 7 Marine Geology, Oceanography and Physical Processes
	Chapter 8 Marine Sediment and Water Quality
	Chapter 9 Benthic Ecology
	Chapter 10 Fish and Shellfish Ecology
	Chapter 11 Marine Mammals
	Chapter 12 Offshore Ornithology
	Chapter 13 Commercial Fisheries
	Chapter 14 Shipping and Navigation
	Chapter 15 Marine Archaeology and Cultural Heritage
	Chapter 16 Civil and Military Aviation and Radar
	Chapter 17 Infrastructure and Other Users
	Chapter 18 Seascape, Landscape and Visual Impact Assessment
	Chapter 19 Human Health
	Chapter 20 Socio-economics, Tourism and Recreation
	Chapter 21 Climate Change
	Chapter 22 Traffic and Transport

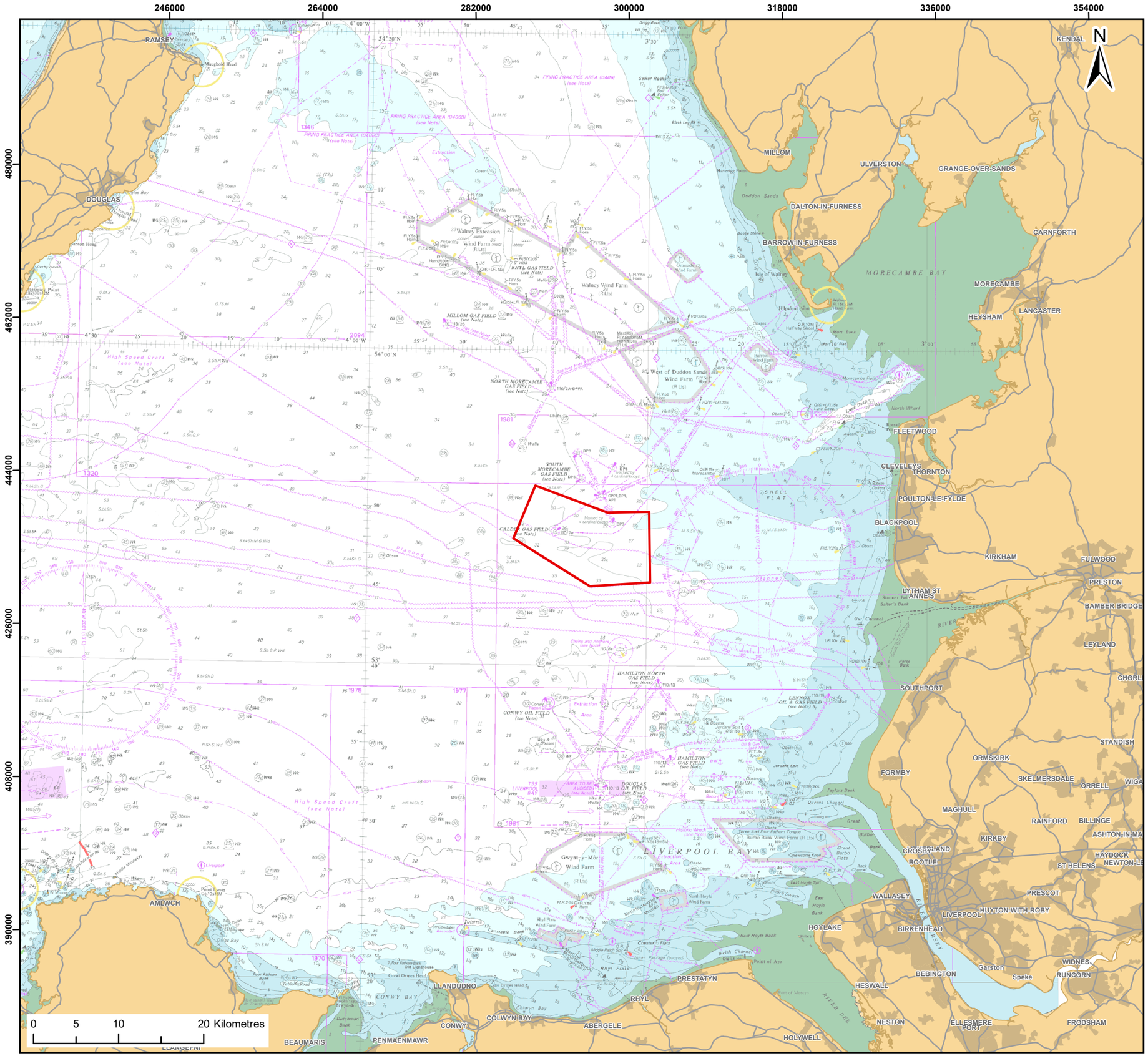
1.7 Consultation

1.17 Morecambe OWL is committed to open and transparent communication with stakeholders and the wider public. The Project website https://morecambeoffshorewind.com/ provides information about the Project and is regularly updated.

1.18 Early consultation with local communities and consultees is a key part of the Project's development, so that feedback on matters such as potential social and environmental impacts, opportunities and potential mitigation measures, can be considered in advance of the DCO application being made. The first round of community consultation on the Project ran for six weeks, from the 2nd of November to the 13th of December 2022, and further community engagement events will be established alongside the PEIR.

1.19 Consultation with technical stakeholders (which include statutory bodies and environmental groups) is being facilitated through targeted discussion with relevant parties and through the Evidence Plan Process (EPP). The EPP is a consultation process with specialist stakeholders to agree the approach to the EIA. It is structured with Expert Topic Groups (ETGs) where regular technical discussions take place to discuss and, where possible, agree the technical information required as part of the DCO application. Targeted consultation processes are also underway for specific stakeholders, such as fisheries groups, navigational stakeholders, aviation stakeholders and oil and gas operators.

1.20 A Consultation Report will be produced that sets out how feedback from all of our consultations has shaped the design of the proposed development. The Consultation Report will include a summary of consultation responses, including how this feedback was considered and how it may be used. It will detail the consultation process, demonstrating how it was undertaken in accordance with the Statement of Community Consultation (SoCC), and how it met all legal requirements.



Legend:

Morecambe Offshore Windfarm Site

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Report:
Morecambe Offshore Windfarm: Generation Assets
Preliminary Environmental Information Report

Title:
Morecambe Offshore Windfarm

Figure: 1.1 | Drawing No: PC1165-RHD-ZZ-OF-DR-Z-0182

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
P01	01/02/2023	JT	GC	A3	1:450,000

Co-ordinate system: WGS 1984 UTM Zone 30N

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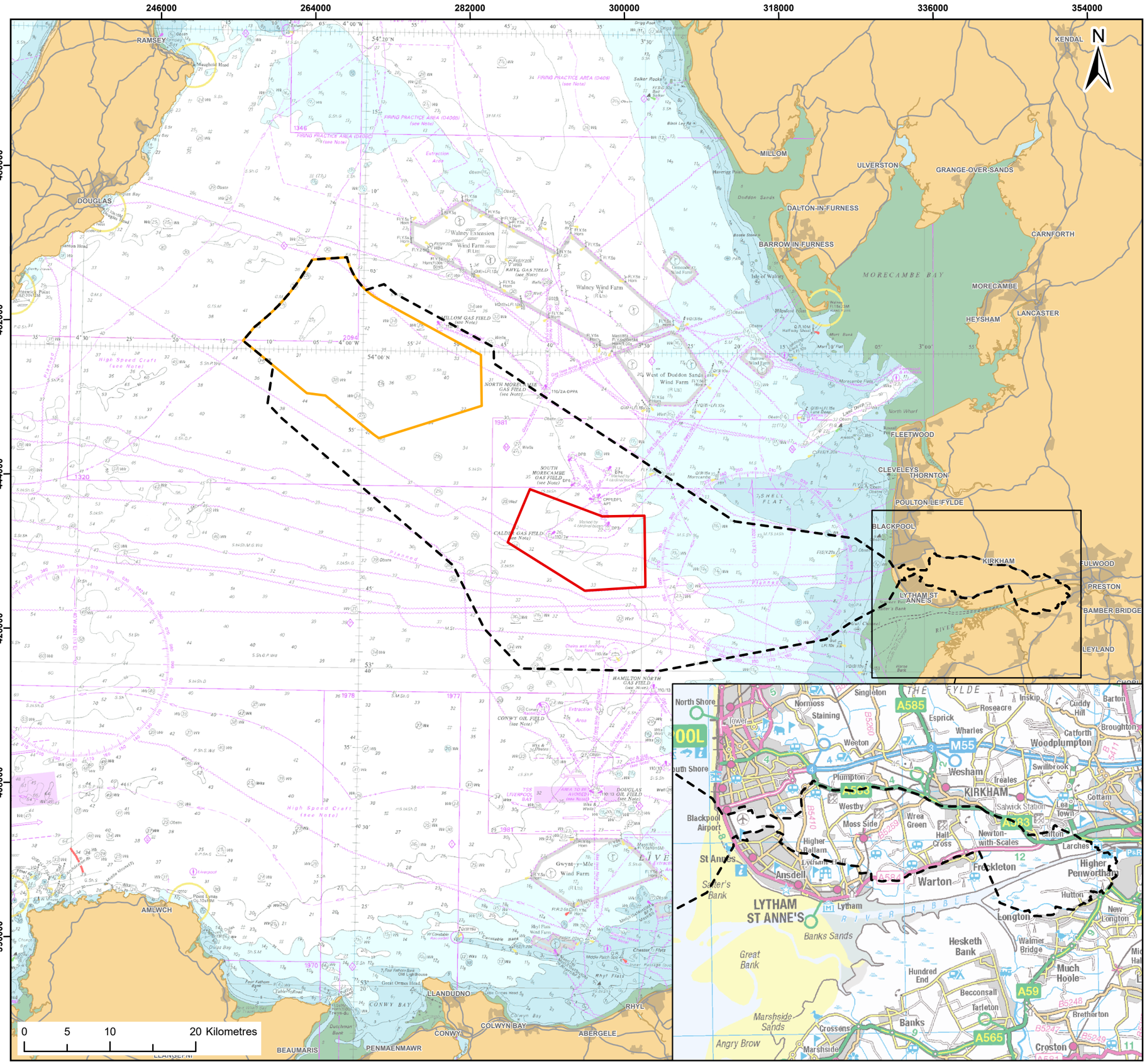

Legend:

- Morecambe Offshore Windfarm Site
- Morgan Offshore Wind Project
- Morgan and Morecambe Offshore Wind Farms: Transmission Assets (scoping boundary)

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Report:
Morecambe Offshore Windfarm: Generation Assets
Preliminary Environmental Information Report

Title:
Morecambe Offshore Windfarm,
Morgan Offshore Wind Project and the
Morgan and Morecambe Offshore Wind Farms:
Transmission Assets

Figure: 1.2 | Drawing No: PC1165-RHD-ZZ-OF-DR-Z-0183

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
P04	11/04/2023	JT	GC	A3	1:450,000
P03	05/04/2023	JT	GC	A3	1:450,000

Co-ordinate system: WGS 1984 UTM Zone 30N

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2 Need for the Project

1.21 There is a clear and urgent need for the development of the Project to help to meet the UK government's aims for renewable energy capacity, and the target for offshore wind installation. The Project makes significant contribution to the UK reaching its Net Zero by 2050 commitment. The Project also makes a significant contribution to achieving the aims of the Energy Security Strategy in 2022, which sets out an ambition to deliver up to 50GW by 2030.

1.22 The overarching objectives of the Project are to:

- Generate low carbon electricity from an offshore windfarm in support of the decarbonisation and security of the UK electricity supply
- Optimise generation capacity within the constraints of available sites and grid infrastructure
- Deliver a significant volume of offshore wind in support of the net-zero by 2050 target and UK Government commitment to deliver 50GW of offshore wind by 2030
- Co-exist, coordinate and collaborate with other activities, developers and operators to enable the balance of different users

1.23 The Project will provide secure, reliable and affordable renewable energy supply in the UK, powering over 500,000 homes, as well as providing decarbonisation alternatives to fossil fuel powered energy generation plants, as these are phased out. The Project would reduce carbon emissions and contribute to the economy, by providing substantial investment, as well as employment and new infrastructure during all phases of the Project.

1.24 The Project will continue to drive technology and development costs down with the aim to provide cost effective energy to consumers and provide community benefits to help fight fuel poverty and contribute significantly to the UK's commitment to meeting the legally binding target of net zero emissions by 2050.

1.25 The Project directly aligns with the key drivers in current and planned updates to National Policy and supports the offshore wind targets in the UK; clearly establishing the need for the Project.

3 Site selection and assessment of alternatives

1.26 Morecambe OWL undertook an exercise to consider the technical and environmental constraints of the areas offered by the Crown Estate in the Round 4 leasing process. This was followed by detailed constraint analysis, informed by specialists comprising engineers, planners, legal and environmental consultants, whose expertise was drawn upon throughout the process.

1.27 Analysis of constraints by Morecambe OWL, to identify potentially suitable offshore wind sites for development was undertaken, including consideration of:

- Physical parameters
- Bathymetry (water depths)
- Wind capacity
- Wave height
- Seabed conditions
- Location of possible onshore connection and marine port facilities
- Environmental receptors
- Seabed ecology and species and habitats of conservational interest
- Fish and shellfish species (spawning and nursery grounds)
- Marine mammals (ranges and distributions)
- Seabird density
- Environmental designations
- Shipping traffic
- Commercial fisheries intensity
- Relative visibility of coastal and marine areas from the land
- Known offshore wreck sites
- Military usage (exercise areas, danger areas and explosive disposal sites)
- Marine users (leisure and recreational boating activity)

- Oil and gas infrastructure
- Cumulative impacts with other activities and industries

1.28 Key design decisions to date that have been made by Morecambe OWL, as a result of the site selection, consultation process and stakeholder feedback, include:

- The windfarm site boundary has been designed to co-exist with existing oil and gas infrastructure and its operations, and so limit overlap with other marine users
- The windfarm site has been located outside of any environmentally designated site

1.29 The Project design process will continue to evolve, and is informed through technical studies, and the views of communities and stakeholders through consultation. Morecambe OWL are committed to effective consultation with stakeholders and communities, and it is hoped that this will ensure that design developments are communicated with people and allow for views and feedback to influence the development of the Project.

4 Policy and legislation

1.30 EIA is a requirement under The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). Under these regulations, the Project is considered a Schedule 1 project, a NSIP, and so an EIA is required.

1.31 Key features of the EIA process, as relevant to NSIPs, set out in the EIA Regulations 2017 include:

- Scoping (setting out the scope for the EIA): Scoping allows the applicant to request, in writing, the scope and the level of detail of the information to be provided in the ES. Prior to submitting the scoping request, non-statutory consultation can be undertaken with the consultation bodies, or others, to allow further refinement of the options and ensure a properly focused ES. A Scoping Opinion for the Project has been provided by the Planning Inspectorate (PINS) on the 2nd of August 2022, in response to an EIA Scoping Report, submitted by Morecambe OWL on the 23rd of June 2022.
- PEI: Preliminary environmental information can be provided to enable consultees (both specialist and non-specialist) to understand the likely significant environmental effects of a proposed development and help to inform their consultation responses during the pre-application stage. This PEIR provides PEI in relation to the Project.
- ES submission: Regulation 14 of the EIA Regulations 2017 sets out the information to include in the ES accompanying a DCO application. The ES should provide a clear description of the proposed development through all phases, a clear explanation of the processes followed to develop the ES, description of the reasonable alternatives considered, details of the forecasting methods for the assessment, assessment of likely significant effects, and details of the mitigation required and any measures envisaged to prevent, reduce and, where possible, offset any significant adverse effects. The Project will produce an ES, considering feedback on the PEIR, to support the DCO application.

4.1 International environmental and nature conservation legislation and treaties

1.32 The approach to the EIA has considered international legislation and treaties, as follows.

1.33 The Convention on Biological Diversity (CBD), which is informed by the Bern and Bonn conventions[3] and the establishment of the Natura 2000 network[4] across Europe.

1.34 The European Commission (EC) Directive 92/43/EEC, adopted in 1992, known as the Habitats Directive, implements the Bern and Bonn conventions and aims to conserve natural habitats of wild fauna and flora.

1.35 EC Directive 2009/147/EC on the conservation of wild birds (known as the Birds Directive) provides a framework for the conservation and management of wild birds in Europe.

1.36 The Conservation of Habitats and Species Regulations 2017 and the Conservation of Offshore Marine Habitats and Species Regulations 2017 (hereafter the 'Habitats Regulations'), together with the Wildlife and Countryside Act 1981, transpose the Habitats and Birds Directives into UK legislation. The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019 (the EU Exit Regulations) make changes to the 2017 Habitats Regulations so that they continue to work (are operable) following the UK's exit from the European Union on 31st January 2020.

1.37 The Ramsar Convention is the intergovernmental treaty that provides the framework for the conservation and wise use of wetlands and their resources.

1.38 Marine Protected Areas of the north-east Atlantic are identified through the Convention for the Protection of the Marine Environment of the north-east Atlantic (OSPAR Convention), which focuses on the prevention and elimination of pollution from land-based sources, dumping or incineration, and offshore sources.

1.39 These legislations are relevant to the Project as any potential for protected species and habitats to be affected by the Project must be considered.

[3] The Convention on the Conservation of European Wildlife and Natural Habitats (the Bern Convention) and The Convention on the Conservation of Migratory Species of Wild Animals (the Bonn Convention)

[4] Natura 2000 is an umbrella name for the network of protected sites that include Special Protection Area (SPA) and Special Areas of Conservation (SAC) sites designated across the European Union

4.2 National Policy Statements

1.40 There are three National Policy Statements (NPSs) which are relevant the Project:

- EN-1 Overarching Energy: Which highlights that there should be a presumption in favour of granting consent for projects which fall within relevant NPSs and recognises that offshore wind is a key factor in meeting UK policy objectives
- EN-3 Renewable Energy Infrastructure: Which covers nationally significant renewable energy infrastructure (including offshore windfarms in excess of 100MW)
- EN-5 Electricity Networks: Which covers the electrical infrastructure (including electricity cable systems and substations) in conjunction with EN-1

1.41 The PEIR outlines how the development will comply with the requirements of these NPSs, and also the expected updates to these documents that are available in draft. National Infrastructure Planning advice notes from the Planning Inspectorate (PINS) and the National Planning Policy Framework (NPPF) are also relevant to the Project and have been considered, as required.

5 Project description

1.42 The PEIR uses a design envelope approach, in accordance with National Policy Statement EN-3, which recognises that: "Owing to the complex nature of offshore windfarm development, many of the details of a proposed scheme may be unknown to the applicant at the time of the application, possibly including:

- *Precise number, location and configuration of turbines and associated development*
- *Foundation type*
- *Exact turbine tip height (and rotor diameter)"*

1.43 The Project Design Envelope (PDE) will therefore provide maximum and minimum design parameters, where appropriate. Worst case scenarios will be established using the PDE and used as the basis for assessment for the EIA, which allows for flexibility as the design is refined.

1.44 The parameters described in this NTS represent the key components of the PDE for the Project (which is described in detail in the PEIR) and are derived from the range of designs, technologies, and methodologies under consideration.

1.45 The windfarm site will contain all generation infrastructure. The windfarm site will have a maximum area of 125km^2 and is located approximately 30km to shore, at its closest distance. The water depth at the windfarm site ranges from 18m to 40m.

1.46 The Project is expected to include up to two OSPs and 40 WTGs (although the number may vary depending on the size of the WTGs selected). In addition, supporting subsea cables will be required to connect the WTGs and OSPs. The size, number and capacity of the WTGs will be decided at a later stage.

1.47 The current WTG key design parameters are illustrated in **Plate 5.1** and fully set out in the PEIR (**Chapter 5 Project Description**).

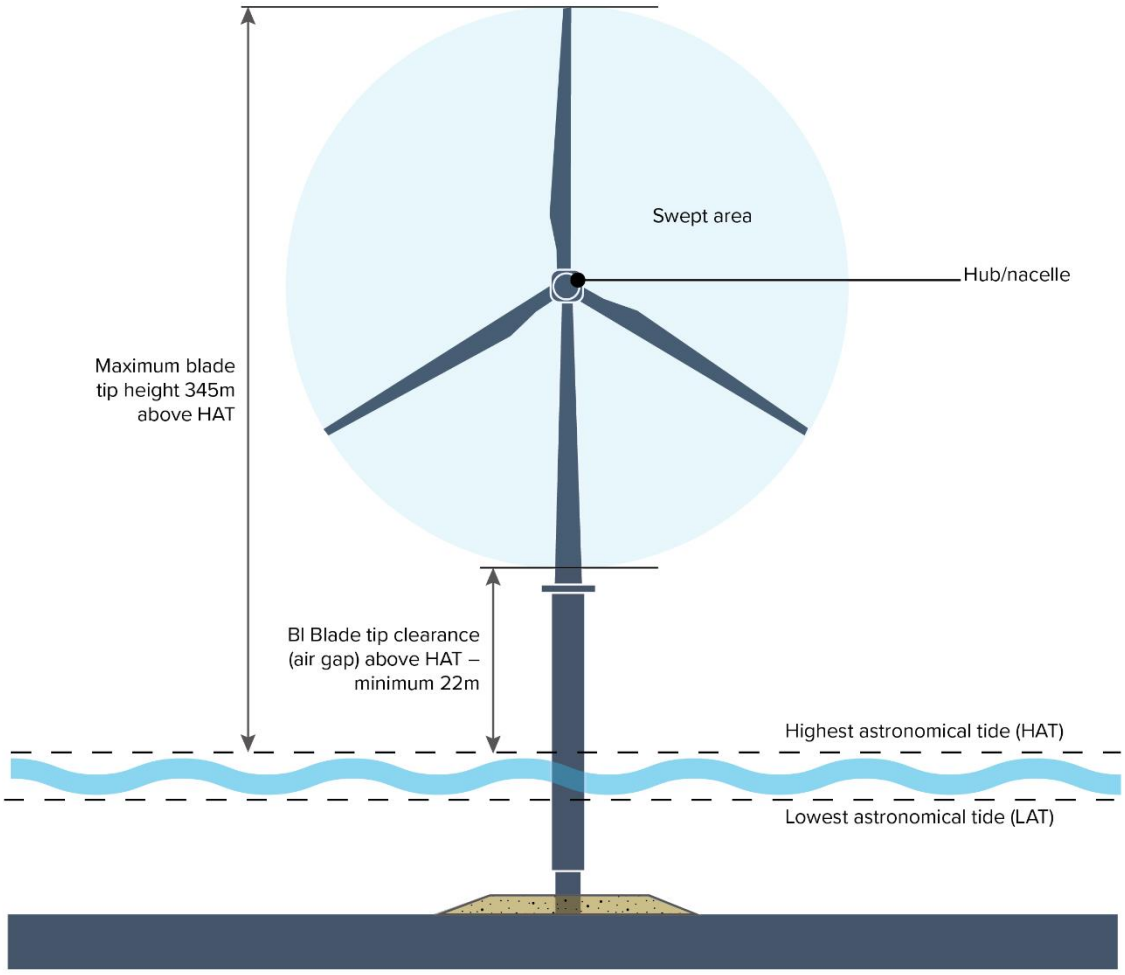

Plate 5.1 WTG schematic

1.48 WTGs and OSPs will be fixed to the seabed with foundation structures. There are a number of WTG and OSP foundation types being considered, with these illustrated in **Plate 5.2**. Seabed preparation and levelling may be required for the installation of all foundations with the diameter of seabed levelling reaching up to a maximum of 100m per foundation.

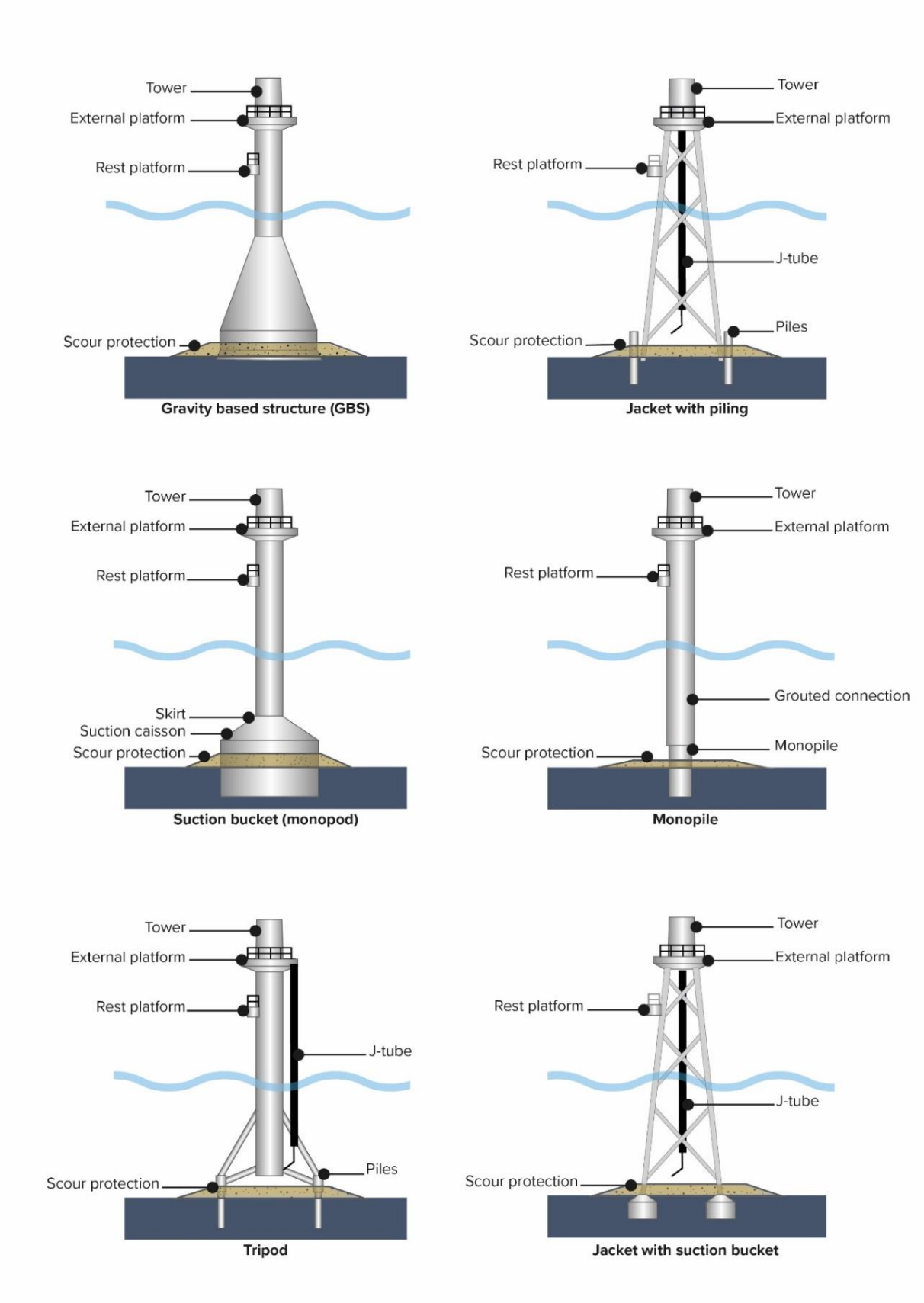

Plate 5.2 WTG/OSP foundation options

1.49 A number of factors will influence the choice of foundation, and the parameters of each foundation type, such as ground conditions, wave, wind, and tidal conditions, wind turbine selection, supply chain approach and constraints, as well as commercial consideration.

1.50 Cables will link the WTGs to the OSPs, the requirement for which will depend on the windfarm layout and OSP design.

1.51 The layout of WTGs and OSPs across the windfarm site, as well as required lighting and navigational markings, will be agreed following the DCO application.

1.52 The anticipated construction, operational and maintenance, and decommissioning activities are further described in the PEIR (**Chapter 5 Project Description**).

6 Topics considered in the environmental impact assessment

1.53 The PEIR covers a comprehensive range of environmental topics for which impacts on receptors have been assessed. Many of these technical assessments are related to each other and these inter-relationships are highlighted within the PEIR chapters.

1.54 The PEIR presents assessments for all of the topics and potential impacts that were specified within the Planning Inspectorate's Scoping Opinion (received in 2022). Each of those topics have been summarised as part of this NTS, in the sections that follow.

1.55 All PEIR chapters provide an overview of the existing environment, followed by an assessment of the potential effects and associated mitigation, where identified, for the construction, operation and maintenance, and decommissioning phases of the Project.

6.1 Marine geology, oceanography and physical processes

1.56 Protected sites, features and habitats within the relevant study area are identified as the Fylde coast, sandbanks, Shell Flat and Lune Deep Special Area of the Conservation (SAC), Morecambe Bay SAC, Sefton Coast SAC, West of Copeland Marine Conservation Zone (MCZ), West of Walney MCZ and Fylde MCZ. The assessment considers these sites and habitats, as well as the wider physical processes that may affect marine species. The assessment considers potential effects on the waves, tidal currents and the movement of sediment, both in the water column and along the seabed.

1.57 The baseline environment was characterised using data from a geophysical survey of the Project windfarm site, and from a ground truthing survey, where samples of sediment from the windfarm site were analysed. This was supported by a review of existing knowledge about this part of the Irish Sea, a desk-top assessment, analysis of tidal data and numerical modelling undertaken to inform the EIA for the Awel y Môr OWF (which has similar characteristics to the Project windfarm site). Potential effects have been assessed using an evidence-based approach, utilising this range of available datasets.

1.58 During the construction of the Project, there is the potential for foundation and cable installation activities to disturb sediment, resulting in changes in suspended sediment and/or seabed levels. Sediment disturbed during construction will be relatively localised. Coarser sediments will rapidly settle back onto the seabed, with larger-scale settlement for finer sediments. Given the lack of coarser sediments found at the windfarm site, the majority of sediment is expected to be suspended in the water column, but for a short time only (hours to days). Suspended sediments in the water column are predicted to return to baseline conditions within days and not be detectable above background levels beyond a few kilometres. The largest extent of sediment transport is the extent of a spring tide (10km).

1.59 Overall, effects on waves, currents and the movement of sediment are predicted to be of a small scale and have localised and temporary effects. Hence, they are categorised as minor or negligible adverse effects and not significant in EIA terms. This applies to the Project in isolation, and considering other plans, projects and activities in the area.

6.2 Marine sediment and water quality

1.60 The existing marine sediment quality environment within the windfarm site has been characterised using site-specific survey data and supplemented, where available, by publicly available information.

1.61 Site-specific surveys took sediment samples at the windfarm site, which were then analysed for levels of potential contamination. The analysis results showed that concentrations of contaminants within the sediments were low, with no parameters above the sediment quality thresholds used to determine the suitability of sediment to be disposed at sea.

1.62 The subsequent impact assessment determined that during the construction, operation and maintenance, and decommissioning phases, significant effects on water quality would not occur, including the assessment of both the Project in isolation and considering other plans, projects and activities in the area.

6.3 Benthic ecology

1.63 Seabed surveys were undertaken across the windfarm site, to provide a detailed understanding of the habitats and species on the seabed (benthic ecology). The survey results were then used to produce habitat maps to inform the assessment. This data was supplemented, where available, by information available in the public domain.

1.64 The seabed across the windfarm site is dominated by sands, with the corresponding benthic communities being typical of these sandy sediment habitats in the wider Irish Sea area.

1.65 Potential impacts to benthic communities include temporary disturbance and/or loss of habitats, increases in suspended sediments and sediment deposition, underwater noise and the potential introduction of invasive non-native species. The majority of impacts are temporary in nature and localised to the Project boundaries and immediate surrounding area. Permanent habitat loss is also assessed as not significant given the localised nature of the effects (limited to the physical footprint of infrastructure) and the availability of the same habitats in the region.

1.66 Species and habitats of conservation importance were found to be sufficiently distant from the windfarm site so that any potential impacts are expected to be unlikely. The same is true of the potential for cumulative impacts, which are limited by the temporary and/or localised nature of the effects.

1.67 Effects on benthic ecology, including considering other plans and projects, were assessed to be negligible or minor adverse, and not significant in EIA terms, due to the small scale of impact to the seabed in the windfarm site, relative to the extent of similar habitats in the wider area.

6.4 Fish and shellfish ecology

1.68 Fisheries landings datasets, in combination with other public and long-term datasets, provided sufficient information, detail and coverage to characterise and describe the fish and shellfish resource within the study area.

1.69 A range of activities during the construction, operation and maintenance, and decommissioning phases have the potential to impact fish and shellfish. For example, these include activities that cause disturbance to the seabed, habitat loss and underwater noise. The assessment of effects of underwater noise was informed through an underwater noise modelling study.

1.70 The impacts are generally localised in nature, being restricted to the Project boundary and immediate surrounding area. The same is true of the potential for cumulative impacts, which are limited by the temporary and/or localised nature of the effects. Noise effects were found to be wider reaching, and consideration of effects with other plans and projects will be further considered as more information is available, however there is sufficient separation between the noise source and designated sites.

1.71 The assessment found that there will be some negligible, to minor adverse, effects resulting from the Project which are not significant in EIA terms.

6.5 Marine mammals

1.72 The existing environment has been characterised using site-specific surveys, existing data from other offshore windfarms and other available information and studies across the region. This identified harbour porpoise, bottlenose

dolphin, common dolphin, Risso's dolphin, white-beaked dolphin, minke whale, grey seal and harbour seal as the key marine mammal species for assessment.

1.73 The site-specific high resolution digital aerial surveys captured the presence of marine mammals over a period of 12 months. A further 12 months of surveys will be completed prior to submission of the DCO application, and the assessment will be updated with the results from the full 24 months of survey, as part of the ES.

1.74 Activities during the construction, operation and maintenance, and decommissioning phases have the potential to impact marine mammals. The impacts that have been assessed include underwater noise from construction activities and operation and maintenance works. These impacts can result in a range of potential effects, including physical injury, disturbance, behavioural impacts, barrier effects (i.e. preventing movement of animals), changes to prey availability and disturbance at seal haul out sites. Other potential impacts assessed include increased collision risk with vessels and changes in water quality.

1.75 Modelling was undertaken to support the assessment of underwater noise effects on marine mammals, as well as an analysis of the numbers of marine mammals in the study areas for each species.

1.76 The windfarm site is situated away from areas protected for marine mammals. The impact assessment concluded that only minor adverse, and not significant, effects to marine mammals would occur with the implementation of mitigation measures during foundation piling activities. These measures will be further defined in a Marine Mammal Mitigation Protocol (MMMP), which will be provided in outline within the DCO application. Best practice measures to mitigate collision risk will also be included in the Project Environmental Management Plan (PEMP), which will also be provided in outline at the DCO application stage.

1.77 There is the potential for cumulative effects, when considering other activities and noise sources in the wider area, including with other offshore windfarms. A conservative assessment, based on the worst case scenario for offshore windfarms piling at the same time as the Project as well as noise sources from other activities and industries, identified that there was the potential for significant effects on harbour porpoise and harbour seal. Further assessment will be considered in the ES once two full years of survey data are available. Given the cumulative scenarios considered and the precautionary assessment approach taken it is not expected that there will be significant effects at a population level. It is also anticipated that appropriate mitigation measures will be secured to reduce cumulative effects if required.

6.6 Offshore ornithology

1.78 Characterisation of the existing environment for offshore ornithology (seabirds) has been undertaken, based on site-specific survey data, and existing information and literature. A study area around the windfarm site was surveyed, using high resolution digital aerial surveys, over a period of 12 months. Data from these surveys have been used to estimate the abundance and collection of birds using the study area. A further 12 months of surveys will be completed prior to submission of the DCO application, and the assessment will be updated with the results from the full 24 months of survey, as part of the ES.

1.79 The potential effects on offshore ornithology receptors have been minimised through the Project design and site selection process. The Project is located outside of areas designated for their importance to bird populations.

1.80 The impacts that could potentially occur on offshore ornithology receptors, during the construction and decommissioning stages of the Project, include disturbance and displacement, and indirect effects on habitats and prey species. The operational WTGs and maintenance activities may cause disturbance, displacement and barrier effects, collision risk and indirect impacts on habitats and prey species.

1.81 During the construction and decommissioning phases of the Project, no Project alone effects have been assessed to be greater than minor adverse significance for any offshore ornithology receptor. This includes the more sensitive receptors screened into detailed assessment for disturbance, displacement and barrier effects during these phases, i.e. common scoter, guillemot, razorbill and red-throated diver.

1.82 During the operation and maintenance phase of the Project, Project alone effects due to disturbance, displacement and barrier effects on the more sensitive receptors screened into detailed assessment (common scoter, gannet, guillemot, razorbill, Manx shearwater and red-throated diver) would not result in effects of more than minor adverse and are not considered significant in EIA terms.

1.83 The risk posed to offshore ornithology receptors due to collisions with Project WTGs is assessed as no greater than minor, and not significant, for all species recorded in flight at the windfarm site. This includes the species screened into detailed assessment (gannet, kittiwake, common gull, herring gull, lesser black-backed gull and great black-backed gull).

1.84 There is the potential for cumulative effects (assessment with other plans, projects and activities) for displacement and collision risk during the operation and maintenance phase. The risk to ornithological receptors from cumulative displacement and collisions is assessed as no greater than minor adverse

significance for all species, with the exception of great black-backed gull (the collision risk is moderate adverse and potentially significant). These preliminary assessments are highly conservative and will be reviewed and updated, as part of the ES and DCO application, once two full years of survey data are available and the project design parameters have been refined.

6.7 Commercial fisheries

1.85 Commercial fishing activity has been characterised using landings statistics, vessel monitoring and surveillance data, and consultation with the fishing industry.

1.86 The key fleets considered in the assessment are UK (and Isle of Man) and Irish scallop dredgers; UK potters targeting shellfish (primarily whelk offshore, but also lobster and brown crab); UK and Belgian beam trawlers targeting sole, plaice and other demersal fish (fish species that live close to the sea bed), with localised inshore trawling targeting brown shrimp and UK inshore vessels under 10m length targeting a variety of demersal species (e.g. bass) using nets and hooked gear.

1.87 Based on analysis of landings and spatial data, and the location of windfarm site, fishing activity is expected to be dominated by larger vessels potting for whelk and to a lesser extent dredging for scallops, with potential for occasional beam trawl activity.

1.88 The assessment established moderate adverse (significant) effects for the UK potting fleet in relation to reduction in access and displacement impacts during the construction and decommissioning phases. Additional mitigation, following Fisheries Liaison with Offshore Wind and Wet Renewables (FLOWW) group guidance, including justifiable, evidence-based disturbance payments, has been identified to reduce the effect to minor adverse and not significant in EIA terms.

1.89 During the operation and maintenance phase, the commercial fisheries assessment found all effects to all fleets to be minor adverse, or lower, and not significant in EIA terms.

1.90 The cumulative impact assessment found moderate adverse (significant) effects, for the UK potting and UK dredge fleets, related to reduction in access and displacement impacts during construction of the Project, along with other projects. While the Project contributes to only a small degree (considering the cumulative scenarios and large number of other plans, projects and activities assessed) Morecambe OWL will update these assessments with further information and continue discussions with stakeholders in the region, related to potential mitigation solutions for commercial fisheries.

6.8 Shipping and navigation

1.91 Shipping and navigation refers to the transport of people or goods (both commercially or for recreational purposes) and vessels associated with extraction activities (for example, fishing, aggregates and oil and gas) in the marine environment. In order to assess potential effects on shipping and navigation, existing vessel traffic and navigational features in the vicinity of the windfarm site have been analysed and recorded, using marine data sets and targeted marine vessel traffic surveys.

1.92 Analysis shows that service vessels associated with existing OWFs and oil and gas infrastructure account for a large proportion of vessel movements within the study area. Large vessels passing through the windfarm site are predominantly ferries and service vessels, and commercial cargo. Tanker routes are of low frequency in the windfarm site. Four principal operators are identified in the eastern Irish Sea. The Isle of Man Steam Packet Company operate between Douglas, Liverpool and Heysham. Seatruck operate between Heysham, Liverpool, Warrenpoint and Dublin. Stena operate between Liverpool, Heysham and Belfast. Finally, P&O operate between Liverpool and Dublin.

1.93 Offshore windfarms can impact vessel routeing by creating an obstruction in otherwise navigable waters that requires deviation of vessel routes. An assessment of the impacts on ferry routeing as a result of the presence of the Project, identified the Liverpool to Douglas ferry and the Liverpool to Belfast ferry routes would be affected, but only the Liverpool to Belfast route would require a small additional transit distance as a result.

1.94 An assessment of the effects on small craft routing determined that there is sufficient spacing between WTGs to facilitate safe navigation for fishing and recreational craft. However, where vessels do not choose to do so, there may be some effects due to the offsetting of vessels into adjacent channels.

1.95 An assessment of the effects of the Project on the likelihood of collision and allision (the striking of a vessel against a fixed object) for commercial vessels identified limited likelihood, due to the relatively low levels of vessel traffic in the study area. However, mitigation has been identified to reduce the risk to as low as reasonably possible.

1.96 An assessment of the effects of the Project on communications, ship-based radar and positioning systems determined that most impacts are negligible and not significant in EIA terms. Impacts to ships radar are inherent when navigating adjacent to OWFs and it is likely that these effects will be experienced in the vicinity of the windfarm site.

1.97 A joint Cumulative Regional Navigation Risk Assessment (CRNRA) was undertaken, to assess the effects of the Project, along with other relevant

cumulative projects, including the other Round 4 wind projects Mona and Morgan Offshore Wind Projects, on shipping and navigation. The assessment identified additional effects on vessel routeing, and significant effects on vessel safety, due to the creation of narrow corridors between windfarms. These high-risk effects were largely driven by the corridors between Mona and Morgan Offshore Wind Projects and between the Morgan Offshore Wind Project and the Walney Offshore Windfarm.

1.98 For all significant effects, suitable mitigation measures will be implemented, where necessary, and requirements will be refined through ongoing assessments and continued consultation with stakeholders and regulators. The appropriateness of additional mitigations will be reviewed and discussed with stakeholders ahead of the final ES and DCO application.

6.9 Offshore archaeology and cultural heritage

1.99 Characterisation of the existing environment for Offshore Archaeology and Cultural Heritage has been undertaken based on both existing and site-specific geophysical survey data. This has considered the historical landscape and seabed features of archaeological interest, such as wrecks of either maritime or aviation origin.

1.100 A number of seabed features have been identified that are of low and medium archaeological potential. There is also potential for the presence of further maritime and aviation archaeological material to be present, which has not been seen in the geophysical data. This may comprise isolated finds of material, or wrecks or aircraft crash sites potentially buried and concealed within, or beneath, marine seabed sediments.

1.101 It is not possible to avoid heritage assets that have not yet been discovered (potential heritage assets), and as such, the significance of effect is major and significant, without mitigation. To minimise this potential effect, further archaeological assessment and surveys will be undertaken. This will reduce, as far as possible, any potential for unintended impacts during construction to minor adverse. An Outline Written Scheme of Investigation (WSI) will be submitted as part of the DCO application, setting out the methodology for all proposed mitigation.

1.102 An initial assessment to identify potential historical assets onshore which could be affected by the presence of the Project has also been undertaken. This included consideration of the Seascape, Landscape and Visual Impact Assessment (SLVIA) results. Further assessment will be undertaken, on those assets identified to have potential effects, and will be reported in the final DCO application.

6.10 Civil and military aviation and radar

1.103 Characterisation of the existing environment, regarding civil and military aviation and radar, has been undertaken through a desk-based assessment. Potential impacts include physical obstruction to aircraft, increased air traffic in the area related to windfarm activities, and interference on radars, caused by rotating WTG blades.

1.104 Potentially affected aviation receptors include civil and military aerodromes and radar facilities, and offshore fixed-wing and helicopter flights, such as military low flying, safety and rescue operations and helicopter support for the oil and gas industry. Before mitigation, there is a potential for significant effects during construction due to the creation of aviation obstacles, and during the operation and maintenance phase by WTGs causing permanent interference on civil and military Primary Surveillance Radars (PSRs). Also identified, before mitigation, are potentially significant effects to Blackpool Airport due to the overlap of the windfarm site with the airport's minimum safe altitude. However, upon further development of the Project design, the assessment will be further refined, and mitigation discussed, as appropriate.

1.105 A range of mitigation measures, related to civil and military aviation and radar, are embedded in the Project design to reduce potential aviation effect to as low as reasonably practicable. Consultation has been initiated with aviation stakeholders and Morecambe OWL will continue to discuss the detail and effectiveness of this embedded mitigation, as well as agree additional mitigations, where appropriate, to safeguard airport operations and offshore oil and gas helicopter operations. Technical mitigation solutions are available and such solutions will be discussed and agreed with affected operators.

6.11 Infrastructure and other users

1.106 The infrastructure and other users assessment considers activities associated with the marine users and industries such as the offshore oil and gas industry, offshore windfarm developments, telecommunications cables and interconnectors, marine aggregate extraction, marine disposal sites, ministry of defence and marine recreation. It covers a wide geographic scope, to ensure that all activities with the potential to interact with the Project are identified.

1.107 The site selection process identified the windfarm site through analysis of technical resources and constraints, with further analysis of constraints undertaken by Morecambe OWL to reduce impacts on marine users. As such, the potential effects from the Project associated with the potential to interfere with other activities in this region of the Irish Sea, are largely avoided, or are minor and not significant (including other plans, projects and activities). However, given the location of the windfarm site within the Morecambe gas

field, potential moderate, and therefore significant, effects on existing oil and gas infrastructure and future exploration could occur. Morecambe OWL is actively engaging with oil and gas operators within and around the windfarm site. As the development and design layout of the Project continues, suitable mitigation (such as separation distances) is anticipated to be agreed, reducing effects to not significant.

6.12 Seascape, Landscape and Visual Impact Assessment (SLVIA)

1.108 A desk-based review of literature, datasets and surveys have been undertaken to inform the SLVIA. Baseline surveys were also undertaken, consisting of viewpoint photography, to collect baseline data on landscape character and visual amenity associated with views of the Project. The study area includes the English counties of Cumbria, Lancashire and Merseyside; a southern terrestrial area, including the Welsh counties of Flintshire, Denbighshire, Conwy, Gwyneth and the Isle of Anglesey; and a western offshore area, defined by the waters of the Irish Sea and the Isle of Man.

1.109 The assessment identified that, for much of the study area, views of the Project are either distant, or dominated by the existing OWFs (Burbo Bank, Burbo Bank Extension, North Hoyle, Rhyl Flats and Gwynt y Môr, West of Duddon Sands, Ormonde and Walney Windfarms OWFs).

1.110 Significant visual effects identified are contained within the areas of the Fylde and Sefton coasts, as sea views are considered being a fundamental part of the appeal of the coast and settlements at Blackpool, Lytham St Annes and Southport. Although there are localised significant effects on views from this section of coast, these visual effects do not result in significant effects on the perceived landscape character, which is extensively urbanised, and its urban/settled character will not be changed as a result of the Project.

1.111 Measures are embedded as part of the Project to avoid, minimise or reduce any significant environmental effects on seascape, landscape and visual receptors, as far as possible. The siting of the Project, at a comparatively long distance offshore, forms the key designed-in measure which minimises potential for significant effects experienced in coastal views.

1.112 The Project is also assessed as contributing to some significant visual effects with other projects, experienced from parts of the Fylde and Sefton coasts. The significant effect derives primarily from the introduction of a new windfarm grouping in the southern Irish Sea, resulting from the Project, Mona and Morgan Offshore Wind Projects. This results in the loss of open sea views arising, and the effect of multiple WTG arrays across much of the sea skyline, albeit at long distance. These effects will, however, only occur during

infrequent periods of excellent, long-range, visibility, and will not occur during most prevailing conditions and periods of lower visibility.

6.13 Human health

1.113 An assessment of activities, which may affect people's physical or mental health during the construction, operation and maintenance, and decommissioning of the Project, was undertaken. The health assessment looked at the potential effects for both the general population and for vulnerable groups.

1.114 The characterisation of the baseline environment with regards to human health was established with reference to relevant legislation and guidance. The study area comprised the local authority areas along the adjacent coast, that is Wyre, Fylde and West Lancashire Councils (within Lancashire County Council), Blackpool Council and Sefton Metropolitan Borough.

1.115 Local, regional, national and international population trends were used in the assessment, however as the population is remote from the windfarm site, the only onshore activities are associated with the port(s) that will service the Project. At this stage, Morecambe OWL are unable to confirm which port(s) will be used for each of the Project phases. As such, an assessment of the human health implications relating to port(s) has not been conducted in detail, and the need for any separate health impact assessment will be reviewed upon selection of the port(s). It is likely that port related activities for the Project will fall within permitted port operations and no significant effects are expected.

1.116 Potential pathways for the Project to adversely or positively affect human health receptors are considered through the assessment, with consideration of impacts on leisure and lifestyles, employment and education, environmental conditions, community identify and society.

1.117 The assessment identified that effects would be negligible to minor adverse or beneficial, and not significant. Beneficial effects are expected whilst the windfarm is operational, relating to the positive impacts on climate change, and the public health improvements derived from access to clean and secure energy. Beneficial health effects due to socio-economic factors (income and employment) and workforce upskilling is also expected to be realised during all project phases.

6.14 Socio-economics, tourism and recreation

1.118 The socio-economic, tourism and recreation assessment drew on a range of publicly available statistics for the local study area (including Liverpool, Halton, Sefton, Wirral, Copeland, South Lakeland, Barrow-in-Furness, Blackpool, Fylde, Lancaster, West Lancashire, Wyre, Cheshire West and Chester, Denbighshire, and Flintshire) and for the UK. No site surveys were required,

as publicly available statistics were used to define the existing environment and conduct the assessment.

1.119 The receptors relating to this this topic are the economic activity for the local area and for the UK, the tourism sector, including tourism and recreation receptors within the local area, and local community assets such as housing, schools and health facilities.

1.120 The assessment shows that potential beneficial effects will arise from the increase in expenditure, and the resulting boost for the economy, and the creation of employment particularly during the construction phase. At this stage, because the port(s) used to service the Project are unknown and the local study area is broad, beneficial effects are shown to be negligible, and not significant, although it is expected that the benefit would increase once the local area is refined.

1.121 No significant effects on the tourism economy, recreational activities or community assets were identified. Significant economic effects were not identified in relation to commercial fishing and shipping; however, effects, and cumulative effects considering other projects in the Irish Sea, and the mitigations required, will be further assessed upon refinement of the Projects design and in discussions with stakeholders.

6.15 Climate change

1.122 The climate change assessment considers the effects of the Project on the global climate.

1.123 The assessment involves a greenhouse gas assessment, to determine the emissions of the Project. Results determined that the construction phase of the Project will incur the highest levels of greenhouse gas emissions, and that beneficial effects on climate change from the operational period are predicted. Over the Project lifespan, there will be significant greenhouse gas savings, when compared to energy produced from non-renewable sources, saving approximately 36 million tonnes CO_2 equivalent. The Project would, therefore, support the UK's transition to a low to zero-carbon energy generation mix.

1.124 A review of the vulnerability and resilience of the Project to climate change will be considered at ES stage when more detailed design information will be provided.

6.16 Traffic and transport

1.125 Due to commercial processes, Morecambe OWL will not be able to confirm which port(s) will be used for each of the Project phases during the EIA process and therefore no detailed assessment of traffic and transport effects associated with the port activities can be presented at this stage. However, a

draft Port Access and Transport Plan (PATP) will be produced, in support of the DCO application. This will capture a framework of measures and commitments to be implemented, should the need for a further assessment be established.

7 Conclusions

1.126 The site selection and early design process has been used to avoid or minimise effects. For the majority of topics, the assessments concluded that, with mitigation where required, the Project will not result in significant effects, alone or with other activities, plans and projects. In a number of areas, the mitigations will need to be agreed and further developed with stakeholders, for example, with oil and gas operators and radar and aviation operators.

1.127 Notably, potential significant effects have been identified for the following topics where further assessment is required:

- Marine mammals (cumulative effects)
- Offshore ornithology (cumulative effects)
- Commercial fisheries (cumulative effects)
- Shipping and navigation (cumulative effects)
- Seascape and landscape (Project alone and cumulative effects)

1.128 The assessment for marine mammals identified that the Project, along with other noisy activities in the region, has the potential to cause significant effects on harbour porpoise and harbour seal. However, this assessment is highly conservative and given the cumulative scenarios considered, it is not expected that there will be significant effects at a population level. Further assessment will be undertaken for the DCO application, including updated calculations when all survey data is available, and details from other projects are available. There are also a range of mitigation options available should they be required.

1.129 The assessment of the risk to ornithological receptors from displacement and collisions during WTG operation, identified one species (great black-backed gull) where there is a significant effect considering the Project alongside other plans and projects. When survey data for two full years is available, these conclusions will be reviewed and updated (including updated collision risk modelling and displacement analysis) for the DCO application, and appropriate mitigation considered as necessary.

1.130 The commercial fisheries assessment found significant cumulative effects (noting only a small contribution from the Project) for the UK potting fleet, related to reduction in access and displacement impacts, and the UK dredge fleet, due to a reduction in access. Additional mitigation, to be developed at a later stage following (FLOWW) group guidance, including justifiable, evidence-based disturbance payments, is expected to reduce effects.

1.131 Significant impacts on vessel safety were identified when considering other plans and projects in the region due to the creation of narrow shipping corridors (although not specifically around the Morecambe Project). Effects to ferry routeing has also been identified in the assessment and concern raised through consultation. Additional mitigation measures and controls are being developed across the projects in the region, and in discussion with stakeholders, to reduce the risks.

1.132 Potentially significant effects have been identified in relation to seascape, landscape and visual receptors along the coastline adjacent to the Project, where sea views are considered as being a fundamental part of the appeal of the coast and settlements. However, whilst an effect may be significant, that does not necessarily mean that it would be unacceptable, particularly considering the existing offshore windfarms in the wider area and the distance the Project is from the coast, noting that assessments are made on the basis of clear weather conditions, which would not be experienced at all times.

1.133 Further work is being undertaken across all topics considered in the EIA. Of particular note, is the detail that will be provided in the ES in relation to the cumulative effects with other projects, when additional data is available. The list of plans and projects that may interact with the Project will be updated in light of any new publicly available information.

1.134 As the design of the Project is refined, and further data and information is available, the assessments will be updated for the final ES, which will support the DCO application. This will include incorporation of feedback that is provided on the assessments made in this PEIR.